

Selection of Publications

Leica Laser Microdissection Systems

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Sorted by application and alphabet (first author)

Are you missing a citation? Please do not hesitate to contact your local Leica Microsystems CMS support:

<http://www.leica-microsystems.com/contact-support/contact-us-online/>

This list as well as further information on the current laser microdissection systems can be found on:

<https://www.leica-microsystems.com/products/light-microscopes/p/leica-lmd7/>

<https://www.youtube.com/watch?v=RQVCGUKwmGc>

<https://www.youtube.com/watch?v=TRTogn6xafk&t=15s>

<https://www.youtube.com/watch?v=0vj9i3iS5Vw>

1. Single cell applications

Making space for spatial biology in the clinic

Nat Biotechnol (6 Jan 2025).

<https://doi.org/10.1038/s41587-024-02543-2>

Method of the Year 2024: spatial proteomics.

Nat Methods 21, 2195–2196 (2024).

<https://doi.org/10.1038/s41592-024-02565-3>

Aguado, C., Colon, J., Ciruela, F., Schlaudraff, F., Cabanero, M.J., Perry, C., Watanabe, M., Liss, B., Wickman, K., and Lujan, R.:

Cell type-specific subunit composition of G protein-gated potassium channels in the cerebellum

J Neurochem 105(2): 497-511 (2008)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1471-4159.2007.05153.x/full>

Allred MJ, Pidikiti H, Ibrahim KW, Lee SH, Heguy A, Hoffman GE, Roussos P, Wisniewski T, Wegiel J, Stutzmann GE, Mufson EJ, Ginsberg SD:

Analysis of microisolated frontal cortex excitatory layer III and V pyramidal neurons reveals a neurodegenerative phenotype in individuals with Down syndrome

Acta Neuropathol. 2024 Aug 6;148(1):16. doi: 10.1007/s00401-024-02768-0.

<https://doi.org/10.1007/s00401-024-02768-0>

Baldassari S, Klingler E, Teijeiro LG, Doladilhe M, Raoux C, Roig-Puiggros S, Bizzotto S, Couturier J, Gilbert A, Sami L, Ribierre T, Aronica E, Adle-Biasette H, Chipaux M, Jabaudon D, Baulac S:

Single-cell genotyping and transcriptomic profiling of mosaic focal cortical dysplasia

Nat Neurosci. 2025 Apr 30. doi: 10.1038/s41593-025-01936-z.

<https://doi.org/10.1038/s41593-025-01936-z>

Bandyopadhyay U, Cotney J, Nagy M, Oh S, Leng J, Mahajan M, Mane S, Fenton WA, Noonan JP, Horwich AL:

RNA-Seq Profiling of Spinal Cord Motor Neurons from a Presymptomatic SOD1 ALS Mouse

PLoS ONE 8(1): e53575. doi:10.1371/journal.pone.0053575

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0053575>

Bandyopadhyay U, Fenton WA, Horwich AL, Nagy M:

Production of RNA for transcriptomic analysis from mouse spinal cord motor neuron cell bodies by laser capture microdissection

J Vis Exp. 2014 Jan 13;(83). doi: 10.3791/51168.

<http://dx.doi.org/10.3791/51168>

Beagrie RA, Thieme CJ, Annunziatella C, Baugher C, Zhang Y, Schueler M, Kukalev A, Kempfer R, Chiariello AM, Bianco S, Li Y, Davis T, Scialdone A, Welch LR, Nicodemi M, Pombo A:

Multiplex-GAM: genome-wide identification of chromatin contacts yields insights overlooked by Hi-C

Nat Methods. 2023 Jun 19. doi: 10.1038/s41592-023-01903-1.

<https://www.nature.com/articles/s41592-023-01903-1>

Benkert J, Hess S, Roy S, Beccano-Kelly D, Wiederspohn N, Duda J, Simons C, Patil K, Gaifullina A, Mannal N, Dragicevic E, Spaich D, Müller S, Nemeth J, Hollmann H, Deuter N, Mousba Y, Kubisch C, Poetschke C, Striessnig J, Pongs O, Schneider T, Wade-Martins R, Patel S, Parlato R, Frank T, Kloppenburg P & Liss B:

Cav2.3 channels contribute to dopaminergic neuron loss in a model of Parkinson's disease

Nat Commun 10, 5094 (8 Nov 2019) doi:10.1038/s41467-019-12834-x

<https://www.nature.com/articles/s41467-019-12834-x>

Bolck HA, Migh E, Kriston A, Zajac NH, Kreutzer S, Tofu T, Leary P, Kovacs F, Rutishauser D, Pfammatter S, Grossmann J, Lichtfeld C, Buljan M, Rupp NJ, Horvath P, Moch H:
Deep visual multi-omics profiling reveals mechanisms that underly cancer cell differentiation and aggressiveness in clear cell renal cell carcinoma

bioRxiv, 5. Feb 2025

<https://doi.org/10.1101/2025.01.31.635927>

Calabrese F:

A single-cell view on the intra- and inter-population metabolic heterogeneity and ecophysiology of microorganisms at different ecological scales

Thesis, 2021

<https://tubaf.gucosa.de/api/gucosa%3A76344/attachment/ATT-0/>

Chakrabarti S, Makhmut A, Mohammadi A, Luo W, Wang L, Lewin GR, Coscia F:

Ultrasensitive proteomics uncovers nociceptor diversity and novel pain targets

bioRxiv, Sept 21, 2025

<https://doi.org/10.1101/2025.09.20.677124>

Deng W, Xing C, David R, Mastreoni D, Ning MM, Lo EH, Coleman PD:

AmpliSeq Transcriptome of Laser Captured Neurons from Alzheimer Brain: Comparison of Single Cell Versus Neuron Pools

Aging and Disease, Volume 10, Number 6; xxx-xx, December 2019

<http://dx.doi.org/10.14336/AD.2019.0225>

Dragicevic E, Poetschke C, Duda J, Schlaudraff F, Lammel S, Schiemann J, Fauler M, Hetzel A, Watanabe M, Lujan R, Malenka RC, Striessnig J, Liss B:

Cav1.3 channels control D2-autoreceptor responses via NCS-1 in substantia nigra dopamine neurons

Brain. 2014 Jun 16. pii: awu131.

<http://brain.oxfordjournals.org/content/early/2014/06/16/brain.awu131.full>

Duda J, Fauler M, Gründemann J, Liss B:

Cell-Specific RNA Quantification in Human SN DA Neurons from Heterogeneous Post-mortem Midbrain Samples by UV-Laser Microdissection and RT-qPCR

Methods Mol Biol. 2018;1723:335-360. doi: 10.1007/978-1-4939-7558-7_19.

https://link.springer.com/protocol/10.1007/978-1-4939-7558-7_19

Elstner M, Morris CM, Heim K, Bender A, Mehta D, Jaros E, Klopstock T, Meitinger T, Turnbull DM, Prokisch H:

Expression analysis of dopaminergic neurons in Parkinson's disease and aging links transcriptional dysregulation of energy metabolism to cell death

Acta Neuropathol. 2011 Jul;122(1):75-86

<http://www.springerlink.com/content/e2w286484498651g/>

Elstner M, Morris CM, Heim K, Lichtner P, Bender A, Mehta D, Schulte C, Sharma M, Hudson G, Goldwurm S, Giovanetti A, Zeviani M, Burn DJ, McKeith IG, Perry RH, Jaros E, Krüger R, Wichmann HE, Schreiber S, Campbell H, Wilson JF, Wright AF, Dunlop M, Pistis G, Toniolo D, Chinnery PF, Gasser T, Klopstock T, Meitinger T, Prokisch H, Turnbull DM:

Single-cell expression profiling of dopaminergic neurons combined with association analysis identifies pyridoxal kinase as Parkinson's disease gene

Ann Neurol 66(6):792-8 (2009)

<http://onlinelibrary.wiley.com/doi/10.1002/ana.21780/full>

Elstner M, Muller SK, Leidolt L, Laub C, Krieg L, Schlaudraff F, Liss B, Morris C, Turnbull DM, Masliah E, Prokisch H, Klopstock T, Bender A:

Neuromelanin, neurotransmitter status and brainstem location determine the differential vulnerability of catecholaminergic neurons to mitochondrial DNA deletions

Mol Brain. 2011 Dec 21;4(1):43.

<http://www.molecularbrain.com/content/4/1/43/abstract>

Fang W, Liu X, Maiga M, Cao W, Mu Y, Yan Q, and Zhu Q:

Digital PCR for Single-Cell Analysis

Biosensors 2024, 14(2), 64

<https://doi.org/10.3390/bios14020064>

Fu Y, Li W, Mai Y, Guan J, Ding R, Hou J, Chen B, Cao G, Sun S, Tang Y, and Fu R:

Association between RMTg Neuropeptide Genes and Negative Effect during Alcohol Withdrawal in Mice

Int. J. Mol. Sci. 2024, 25(5), 2933; <https://doi.org/10.3390/ijms25052933>

<https://doi.org/10.3390/ijms25052933>

Fuchs A, Kutterer S, Mühling T, Duda J, Schütz B, Liss B, Keller BU, Roeper J:

Selective mitochondrial Ca²⁺ uptake deficit in disease endstage vulnerable motoneurons of the SOD1G93A mouse model of amyotrophic lateral sclerosis

J Physiol. 2013 Feb 11. [Epub ahead of print]

<http://onlinelibrary.wiley.com/doi/10.1113/jphysiol.2012.247981/abstract>

García-Berrocó T, Llobart V, Colàs-Campàs L, Hainard A, Licker V, Penalba A, Ramiro L, Simats A, Bustamante A, Martínez-Saez E, Canals F, Sanchez JC, Montaner J:

Single Cell Immuno-laser Microdissection Coupled to Label-free Proteomics to Reveal the Proteotypes of Human Brain Cells After Ischemia

Mol Cell Proteomics. 2017 Nov 13. pii: mcp.RA117.000419. doi: 10.1074/mcp.RA117.000419.

<http://www.mcponline.org/cgi/pmidlookup?view=long&pmid=29133510>

Gründemann J, Schlaudraff F, Haeckel O, Liss B.

Elevated alpha-synuclein mRNA levels in individual UV-laser-microdissected dopaminergic substantia nigra neurons in idiopathic Parkinson's disease.

Nucleic Acids Res. 2008 Apr;36(7):e38. Epub 2008 Mar 10.

<http://nar.oxfordjournals.org/content/36/7/e38.long>

Gründemann J, Schlaudraff F, Liss B:

UV-Laser Microdissection and mRNA Expression Analysis of Individual Neurons from Postmortem Parkinson's Disease Brains

Methods Mol Biol. 2011;755:363-74

<http://www.springerlink.com/content/n106421460111003/#section=924970&page=1>

Guo W, Hu Y, Qian J, Zhu L, Cheng J, Liao J, Fan X:

Laser capture microdissection for biomedical research: towards high-throughput, multi-omics, and single-cell resolution

J Genet Genomics. 2023 Aug 4:S1673-8527(23)00163-7. doi: 10.1016/j.jgg.2023.07.011.

<https://doi.org/10.1016/j.jgg.2023.07.011>

Hammoudeh SM, Hammoudeh AM, Venkatachalam T, Rawat S, Jayakumar MN, Rahmani M, and Hamoudi R:

Enriched transcriptome analysis of laser capture microdissected populations of single cells to investigate intracellular heterogeneity in immunostained FFPE sections

Computational and Structural Biotechnology Journal, 9 Sep 21, S2001-0370(21)00395-0

<https://doi.org/10.1016/j.csbj.2021.09.010>

Handschiek K, Beuerlein K, Jurida L, Bartkuhn M, Müller H, Soelch J, Weber A, Dittrich-Breiholz O, Schneider H, Scharfe M, Jarek M, Stellzig J, Schmitz ML, Kracht M:
Cyclin-Dependent Kinase 6 Is a Chromatin-Bound Cofactor for NF- κ B-Dependent Gene Expression
Mol Cell. 2013 Dec 31. pii: S1097-2765(13)00870-8. doi: 10.1016/j.molcel.2013.12.002.
<https://www.cell.com/molecular-cell/abstract/S1097-2765%2813%2900870-8>

Hård J, Al Hakim E, Kindblom M, Björklund ÅK, Sennblad B, Demirci I, Paterlini M, Reu P, Borgström E, Ståhl PL, Michaelsson J, Mold JE, Frisén J:
Conbase: a software for unsupervised discovery of clonal somatic mutations in single cells through read phasing
Genome Biol. 2019 Apr 1;20(1):68. doi: 10.1186/s13059-019-1673-8.
<https://doi.org/10.1186/s13059-019-1673-8>

Hayen C:
Unveiling The Therapeutic Potential of Glycine Receptor Alpha 2 in Psychosis
Thesis, 2023
<https://documentserver.uhasselt.be/bitstream/1942/41064/1/0954ccb9-e7c5-4032-9651-25a03756d870.pdf>

Heinmoller, E., Schlake, G., Renke, B., Liu, Q., Hill, K.A., Sommer, S.S., and Ruschoff, J.:
Microdissection and molecular analysis of single cells or small cell clusters in pathology and diagnosis--significance and challenges
Anal Cell Pathol 24(4-5): 125-134 (2002)
<http://iospress.metapress.com/content/9uvwg5dtv43bcqxh/?p=b340043114c641c2a4487363174b3505&pi=0>

Hölscher D:
Cellular-Specific Detection of Polyphenolic Compounds by NMR-and MS-Based Techniques
Recent Advances in Polyphenol Research, 2019
<https://books.google.de/>

Hölscher D, Fuchser J, Knop K, Menezes RC, Buerkert A, Svatoš A, Schubert US, Schneider B:
High resolution mass spectrometry imaging reveals the occurrence of phenylphenalenone-type compounds in red paracytic stomata and red epidermis tissue of *Musa acuminata* ssp. *zebrina* cv. 'Rowe Red'
Phytochemistry. 2015 May 21. pii: S0031-9422(15)00147-8. doi: 10.1016/j.phytochem.2015.04.010.
[http://linkinghub.elsevier.com/retrieve/pii/S0031-9422\(15\)00147-8](http://linkinghub.elsevier.com/retrieve/pii/S0031-9422(15)00147-8)

Hölscher, D. and Schneider, B.:
Application of laser-assisted microdissection for tissue and cell-specific analysis of RNA, proteins, and metabolites
Progress in Botany 69: 141-167 (2007)
<http://www.springerlink.com/content/m15305g9262t5776/>

Hölscher, D. and Schneider, B.:
Laser microdissection and cryogenic nuclear magnetic resonance spectroscopy: an alliance for cell type-specific metabolite profiling
Planta 225(3): 763-770 (2007)
<http://www.springerlink.com/content/m5787044k63758q0/>

Hölscher, D., Shroff, R., Knop, K., Gottschaldt, M., Crecelius, A., Schneider, B., Heckel, D.G., Schubert, U.S., Svatoš, A.
Matrix-free UV-laser desorption/ionization (LDI) mass spectrometric imaging at the single-cell level: distribution of secondary metabolites of *Arabidopsis thaliana* and *Hypericum* species

The Plant Journal 60 (5): 907-918 (2009)
<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-313X.2009.04012.x/full>

Horvath P, Coscia F:
Spatial proteomics in translational and clinical research
Mol Syst Biol. 2025 Apr 14. doi: 10.1038/s44320-025-00101-9
<https://doi.org/10.1038/s44320-025-00101-9>

Hoshino T, Mukai A, Yamashita H, Misawa H, Urushitani M, Tashiro Y, Matsuzawa SI, Takahashi R:
NDRG1 upregulation by ubiquitin proteasome system dysfunction aggravates neurodegeneration
Mol Brain. 2024 Oct 23;17(1):77. doi: 10.1186/s13041-024-01150-1.
<https://doi.org/10.1186/s13041-024-01150-1>

Hu H, Liu G, Li Y:
The isolation strategy and chemical analysis of oil cells from Asari Radix et Rhizoma
Plant Methods. 2024 May 17;20(1):72. doi: 10.1186/s13007-024-01184-5.
<https://doi.org/10.1186/s13007-024-01184-5>

Huang P and Wang S:
Establishment of a new method to detect gene expression by laser capture microdissection-assisted single-cell real time RT-PCR without RNA purification
Molecular Biology, July 2013, Volume 47, Issue 4, pp 509-514
<http://link.springer.com/article/10.1134/S0026893313040055>

Huang Y, Ma G, Xie S, Wei R, Liu Y, Zeng Y, Zhao Y, Wang Q, Yang L, Huang H, Hao L, Zhao X, Wang H, Shen W, Wong SSC, Cao JL, Tao YX, Pan ZQ:
SERBP1-PCIF1 complex-controlled m6Am modification in glutamatergic neurons of the primary somatosensory cortex is required for neuropathic pain in mice
Nat Commun. 2025 Aug 5;16(1):7225. doi: 10.1038/s41467-025-62565-5.
<https://doi.org/10.1038/s41467-025-62565-5>

Johnson KR:
Development of High-Sensitivity CE-ESI-MS-Based Methods for Proteomic Profiling of Limited Samples and Single Cells
Thesis, August 2022
<https://www.proquest.com/openview/628674e2ded6ad8d9d599fda69bc4f37/1.pdf>

Kalef-Ezra E, Bowes A, Proukakis C:
Single-cell Whole Genome Amplification (scWGA) of human frozen post-mortem brain samples isolated by Laser Capture Microdissection (LCM)
Protocols.io, Dec 07 2023
<https://dx.doi.org/10.17504/protocols.io.5qpvorjw7v4o/v1>

Kantlehner M, Kirchner R, Hartmann P, Ellwart JW, Alunni-Fabbroni M, Schumacher A.:
A high-throughput DNA methylation analysis of a single cell.
Nucleic Acids Res. 2011 Apr;39(7):e44.
<http://nar.oxfordjournals.org/content/39/7/e44.long>

Ke Y, Podio M, Conner J, Ozias-Akins P:
Single-cell transcriptome profiling of buffelgrass (Cenchrus ciliaris) eggs unveils apomictic parthenogenesis signatures
Sci Rep. 2021 May 10;11(1):9880. doi: 10.1038/s41598-021-89170-y.
<https://www.nature.com/articles/s41598-021-89170-y>

Kenwood MM, Souaiaia T, Kovner R, Fox AS, French DA, Oler JA, Roseboom PH, Riedel MK, Mueller SAL, Kalin NH:

Gene expression in the primate orbitofrontal cortex related to anxious temperament

Proc Natl Acad Sci U S A. 2023 Dec 5;120(49):e2305775120. doi: 10.1073/pnas.2305775120.
<https://doi.org/10.1073/pnas.2305775120>

Kitzinger K, Marchant HK, Bristow LA, Herbold CW, Padilla CC, Kidane AT, Littmann S, Daims H, Pjevac P, Stewart FJ, Wagner M, Kuypers MMM:

Single cell analyses reveal contrasting life strategies of the two main nitrifiers in the ocean

Nat Commun. 2020 Feb 7;11(1):767. doi: 10.1038/s41467-020-14542-3.
<https://www.nature.com/articles/s41467-020-14542-3>

Klingeberg M, Krisp C, Fritzsche S, Schallenberg S, Hornburg D, and Coscia F:

An ultrasensitive spatial tissue proteomics workflow exceeding 100 proteomes per day

bioRxiv, 05 June 2025
<https://doi.org/10.1101/2025.06.02.657389>

Krabbe S, Duda J, Schiemann J, Poetschke C, Schneider G, Kandel ER, Liss B, Roeper J, Simpson EH:
Increased dopamine D2 receptor activity in the striatum alters the firing pattern of dopamine neurons in the ventral tegmental area

Proc Natl Acad Sci U S A. 2015 Feb 9. pii: 201500450.
<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=25675529>

Lammel, S., Hetzel, A., Hackel, O., Jones, I., Liss, B., and Roeper, J.:

Unique properties of mesoprefrontal neurons within a dual mesocorticolimbic dopamine system

Neuron 57(5): 760-773 (2008)
<http://www.cell.com/neuron/retrieve/pii/S0896627308001074>

Le J, Dian Y, Zhao D, Guo Z, Luo Z, Chen X, Zeng F, Deng G:

Single-cell multi-omics in cancer immunotherapy: from tumor heterogeneity to personalized precision treatment

Mol Cancer. 2025 Aug 25;24(1):221. doi: 10.1186/s12943-025-02426-3.
<https://doi.org/10.1186/s12943-025-02426-3>

Lenoel I, Ribon M, Lorenc F, Diebold A, Philibert CE, Robaldo D, Badsì M, Perronnet J, Lameth J, Berriat F, Misawa H, Coutelier M, Cassel R, Sarrazin N, Jost-Mousseau C, Bohl D, Millecamps S, Mallat M, Brenner D, Weishaupt JH, Boillée S, Lobsiger CS:

ALS/FTD-linked TBK1 deficiency in microglia induces an aged-like microglial signature and drives social recognition deficits in mice

Nat Commun. 2025 Aug 26;16(1):7951. doi: 10.1038/s41467-025-63211-w.
<https://doi.org/10.1038/s41467-025-63211-w>

Leonov S, Zemskova E, Ivanov P:

LMD-assisted single cell DNA typing of forensic biological evidence: Issues of the cell type and sample condition

Forensic Science International: Genetics Supplement Series, doi:10.1016/j.fsigs.2011.08.023
<http://www.sciencedirect.com/science/article/pii/S1875176811000242>

Li R, Ferdinand JR, Loudon KW, Bowyer GS, Laidlaw S, Muyas F, Mamanova L, Neves JB, Bolt L, Fasouli ES, Lawson ARJ, Young MD, Hooks Y, Oliver TRW, Butler TM, Armitage JN, Aho T, Riddick ACP, Gnanapragasam V, Welsh SJ, Meyer KB, Warren AY, Tran MGB, Stewart GD, Cortés-Ciriano I, Behjati S, Clatworthy MR, Campbell PJ, Teichmann SA, Mitchell TJ:

Mapping single-cell transcriptomes in the intra-tumoral and associated territories of kidney cancer

Cancer Cell. 2022 Nov 16:S1535-6108(22)00548-7. doi: 10.1016/j.ccell.2022.11.001.
<https://doi.org/10.1016/j.ccell.2022.11.001>

Li Y, Guo X, Xue Q, Zhu M, Gao L, and Wang Y:

Single Cell Gene Profiling Revealed Heterogeneity of Paracrine Effects of Bone Marrow Cells in Mouse Infarcted Hearts

PLoS ONE 8(7): e68270. doi:10.1371/journal.pone.0068270

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0068270>

Liao J, Qian J, Fang Y, Chen Z, Zhuang X, Zhang N, Shao X, Yang H, Yang P, Cheng J, Hu Y, Hu Y, Yu L, Zhang J, Lu X, Shao L, Wu D, Gao Y, Chen H, Fan X:

Spatially resolved single-cell deconvolution of bulk RNA seq using Bulk2Space

bioRxiv, 18 Jan 2022, doi: <https://doi.org/10.1101/2022.01.15.476472>

<https://www.biorxiv.org/content/biorxiv/early/2022/01/18/2022.01.15.476472.full.pdf>

Liba A and Wanagat J:

Single Cell Multiplex Protein Measurements through Rare Earth Element Immunolabeling, Laser Capture Microdissection and Inductively Coupled Mass Spectrometry

J Cytol Histo 2014, 5:6

<http://dx.doi.org/10.4172/2157-7099.1000290>

Liss, B., Haeckel, O., Wildmann, J., Miki, T., Seino, S., and Roeper, J.:

K-ATP channels promote the differential degeneration of dopaminergic midbrain neurons

Nat Neurosci 8(12): 1742-1751 (2005)

<http://www.nature.com/neuro/journal/v8/n12/full/nn1570.html>

Liss B, Simons C, Benkert J, Deuter N, Pongs O, Schneider T, Duda J:

NCS-1 deficiency affects mRNA-levels of genes involved in regulation of ATP-Synthesis and mitochondrial stress in highly vulnerable Substantia nigra dopaminergic neurons

Front. Mol. Neurosci. | doi: 10.3389/fnmol.2019.00252

<https://www.frontiersin.org/articles/10.3389/fnmol.2019.00252/abstract>

Liu Y, Chen L, Yu J, Ye L, Hu H, Wang J, Wu B:

Advances in Single-Cell Toxicogenomics in Environmental Toxicology

Environ Sci Technol. 2022 Jul 26. doi: 10.1021/acs.est.2c01098.

<https://pubs.acs.org/doi/full/10.1021/acs.est.2c01098>

Long Q, Zhang P, Ou Y, Li W, Yan Q, Yuan X:

Single-cell sequencing advances in research on mesenchymal stem/stromal cells

Hum Cell. 2024 May 14. doi: 10.1007/s13577-024-01076-9.

<https://doi.org/10.1007/s13577-024-01076-9>

Luo W:

Single-Soma Deep RNA Sequencing of Human Dorsal Root Ganglion Neurons Reveals Novel Molecular and Cellular Mechanisms Underlying Somatosensation

Research Square, 15th Sep 2023

<https://doi.org/10.21203/rs.3.rs-3293629/v1>

Makhmut A, Qin D, Hartlmayr D, Seth A, and Coscia F:

An automated and fast sample preparation workflow for laser microdissection guided ultrasensitive proteomics

bioRxiv, Dec 1st 2023

<https://doi.org/10.1101/2023.11.29.569257>

Makhmut A, Qin D, Hartlmayr D, Seth A, and Coscia F:

An Automated and Fast Sample Preparation Workflow for Laser Microdissection Guided Ultrasensitive Proteomics

Mol Cell Proteomics 23(5), 100750, 2024

<https://doi.org/10.1101/2023.11.29.569257>

Mardamshina M, Dorka N, Thielert M, Bjoerklund F, Navarro FB, Casals AM, Kovacs F, Fox JEM, Horvath P, Macdonald PE, Mann M, Lundberg:

Multiplexed Deep Visual Proteomics Unveils Spatial Heterogeneity and Rare Endocrine States in Human Adult Pancreatic Islets

bioRxiv 27 April 2025

<https://doi.org/10.1101/2025.04.27.650857>

Massimino, M.; Martorana, F.; Stella, S.; Vitale, S.R.; Tomarchio, C.; Manzella, L.; Vigneri, P.:

Single-Cell Analysis in the OMICS Era: Technologies and Applications in Cancer

Genes 2023, 14, 1330.

<https://doi.org/10.3390/genes14071330>

Menon S, Chi Hang Lui V, Kwong Hang Tam P:

Comparison of Computational Tools for Differential Gene Expression Analysis of RNA Sequencing and Single-Cell RNA Sequencing Data

ejbps, 2022, Volume 9, Issue 4, 86-94

https://www.ejbps.com/ejbps/abstract_id/8681

Metousis A, Kenny HA, Shimizu A, Schweizer L, Ben-Moshe S, Bilecz A, Krishnan R, Zhang J, Alcazar I, Kelliher L, Ravi M, Samantaray T, Richter S, Li Y, Wang J, Steigerwald S, Theis FJ, Rosenberger FA, Nordmann TM, Yamada SD, Lastra R, Mann M, and Lengyel E:

Integration of cell-type resolved spatial proteomics and transcriptomics reveals novel mechanisms in early ovarian cancer

medRxiv, 28 Aug 2025

<https://doi.org/10.1101/2025.08.25.25333715>

Min J, Schweizer L, Zonderland G, Selvanesan BC, Oldenburg L, Hollingsworth MA, Grandgenett PM, Ummat I, Strauss MT, Mund A, Maitra A:

AI-powered deep visual proteomics (DVP) for early pancreatic cancer insights

Proceedings of the American Association for Cancer Research Annual Meeting 2025; Part 1 (Regular Abstracts); 2025 Apr 25-30; Chicago, IL. Philadelphia (PA): AACR; Cancer Res 2025;85(8_Suppl_1):Abstract nr 753.

<https://doi.org/10.1158/1538-7445.AM2025-753>

Mühling T, Duda J, Weishaupt J, Ludolph AC and Liss B:

Elevated mRNA-levels of distinct mitochondrial and plasma membrane Ca²⁺ transporters in individual hypoglossal motor neurons of endstage SOD1 transgenic mice.

Front. Cell. Neurosci., 8:353. doi:10.3389/fncel.2014.00353

<http://journal.frontiersin.org/Journal/10.3389/fncel.2014.00353/abstract>

Müller SK, Bender A, Laub C, Högen T, Schlaudraff F, Liss B, Klopstock T, Elstner M:

Lewy body pathology is associated with mitochondrial DNA damage in Parkinson's disease

Neurobiol Aging. 2013 Apr 6. pii: S0197-4580(13)00116-4. doi: 10.1016/j.neurobiolaging.2013.03.016.

<http://www.sciencedirect.com/science/article/pii/S0197458013001164>

Mund A:

When imaging and mass-spec collide - Deep Visual Proteomics (DVP) brings us the best of both worlds

Interview, Proteomics Playbook 2025, Front Line Genomics, p. 68 ff

<https://frontlinegenomics.com/proteomics-playbook-2025/>

Mund A, Brunner AD, Mann M:

Unbiased spatial proteomics with single-cell resolution in tissues

Mol Cell. 2022 Jun 16;82(12):2335-2349. doi: 10.1016/j.molcel.2022.05.022.

<https://www.sciencedirect.com/science/article/pii/S1097276522004890>

Mund A, Coscia F, Hollandi R, Kovacs F, Kriston A, Brunner A-D, Bzorek M, Naimy S, Rahbeck Gjerdrum LM, Dyring-Andersen B, Bulkescher JM, Lukas C, Gnann C, Lundberg E, Horvath P, Mann M:

AI-driven Deep Visual Proteomics defines cell identity and heterogeneity

bioRxiv, 27 Jan 2021, doi: <https://doi.org/10.1101/2021.01.25.427969>

<https://www.biorxiv.org/content/10.1101/2021.01.25.427969v1>

Mund A, Coscia F, Kriston A, Hollandi R, Kovacs F, Brunner A-D, Migh E, Schweizer L, Santos A, Bzorek M, Naimy S, Rahbeck Gjerdrum LM, Dyring-Andersen B, Bulkescher JM, Lukas C, Gnann C, Lundberg E, Horvath P, Mann M:

Deep Visual Proteomics defines single-cell identity and heterogeneity

Nat Biotechnol (2022). <https://doi.org/10.1038/s41587-022-01302-5>

<https://www.nature.com/articles/s41587-022-01302-5>

Mund A, Coscia F, Kriston A, Hollandi R, Kovacs F, Brunner A-D, Migh E, Schweizer L, Santos A, Bzorek M, Naimy S, Rahbeck Gjerdrum LM, Dyring-Andersen B, Bulkescher JM, Lukas C, Gnann C, Lundberg E, Horvath P, Mann M:

Neue Methode revolutioniert Krebsdiagnose: Wegweisende Technologie "Deep Visual Proteomics" vereint vier Technologien

Analytica-World, 23.05.2022 - Max-Planck-Institut für Biochemie (German language)

https://www.analytica-world.com/de/news/1176189/neue-methode-revolutioniert-krebsdiagnose.html?utm_source=newsletter&utm_medium=email&utm_campaign=awportalde

Naimy S, Sølberg JBK, Kuczek DE, Løvendorf MB, Bzorek M, Litman T, Mund A, Rahbek Gjerdrum LM, Clark RA, Mann M, Dyring-Andersen B:

Comparative quantitative proteomic analysis of melanoma subtypes, nevus-associated melanoma, and corresponding nevi

J Invest Dermatol. 2024 Jan 5:S0022-202X(23)03211-6. doi: 10.1016/j.jid.2023.12.011.

<https://doi.org/10.1016/j.jid.2023.12.011>

Nimo J, Fritzsche S, Valdes DS, Trinh M, Pentimalli T, Schallenberg S, Klauschen F, Herse F, Florian S, Rajewski N, and Coscia F:

OpenDVP: An experimental and computational framework for community-empowered deep visual proteomics

bioRxiv preprint doi: <https://doi.org/10.1101/2025.07.13.662099>; July 16, 2025.

<https://doi.org/10.1101/2025.07.13.662099>

Nordmann TM, Anderton H, Hasegawa A, Schweizer L, Zhang P, Stadler P-C, Sinha A, Metousis A, Rosenberger FA, Zwiebel M, Satoh TK, Anzengruber F, Tanzer MC, Saito Y, Gong T, Thielert M, Kimura H, Silke N, Rodriguez EH, Gaetana R, Nguyen HH, Gross A, Levesque MP, Murray PJ, Ingen-Housz-Oro S, Mund A, Abe R, Silke J, Ji C, French LE, Mann M:

Single-cell spatial proteomics identifies the JAK/STAT pathway as an actionable therapeutic target in lethal cutaneous drug reactions

medRxiv preprint, November 12, 2023

<https://doi.org/10.1101/2023.11.11.23295492>

Nordmann TM, Mund A, Mann M:

A new understanding of tissue biology from MS-based proteomics at single-cell resolution

Nat Methods 21, 2220–2222 (2024).

<https://doi.org/10.1038/s41592-024-02541-x>

Oikawa A, Saito K:

Metabolite analyses of single cells

Plant J. 2012 Apr;70(1):30-8. doi: 10.1111/j.1365-313X.2012.04967.x.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-313X.2012.04967.x/full>

Ortner NJ, Bock G, Dougalis A, Kharitonova M, Duda J, Hess S, Tuluc P, Pomberger T, Stefanova N, Pitterl F, Ciossek T, Oberacher H, Draheim HJ, Kloppenburg P, Liss B, Striessnig J :

Lower affinity of isradipine for L-type Ca²⁺ channels during substantia nigra dopamine neuron-like activity: implications for neuroprotection in Parkinson's disease

J Neurosci. 2017 Jun 7. pii: 2946-16. doi: 10.1523/JNEUROSCI.2946-16.2017.
<http://www.jneurosci.org/content/early/2017/06/07/JNEUROSCI.2946-16.2017>

Paß T, Ricke KM, Hofmann P, Chowdhury RS, Nie Y, Chinnery P, Endepols H, Neumaier B, Carvalho A, Rigoux L, Steculorum SM, Prudent J, Riemer T, Aswendt M, Liss B, Brachvogel B, Wiesner RJ:

Preserved striatal innervation maintains motor function despite severe loss of nigral dopaminergic neurons

Brain. 2024 Apr 4;awae089. doi: 10.1093/brain/awae089.
<https://doi.org/10.1093/brain/awae089>

Pavličev M, Wagner GP, Chavan AR, Owens K, Maziarz J, Dunn-Fletcher C, Kallapur SG, Muglia L, Jones H:

Single-cell transcriptomics of the human placenta: inferring the cell communication network of the maternal-fetal interface

Genome Res. 2017 Feb 7. doi: 10.1101/gr.207597.116.
<http://genome.cshlp.org/cgi/pmidlookup?view=long&pmid=28174237>

Pensold D, Zimmer-Bensch G:

Methods for Single-Cell Isolation and Preparation

In: Yu B., Zhang J., Zeng Y., Li L., Wang X. (eds) Single-cell Sequencing and Methylation. Advances in Experimental Medicine and Biology, vol 1255.

https://link.springer.com/chapter/10.1007/978-981-15-4494-1_2

Podgorny OV:

Live cell isolation by laser microdissection with gravity transfer

Journal of Biomedical Optics, May 2013, Volume 18 Issue 5
<http://biomedicaloptics.spiedigitallibrary.org/article.aspx?articleid=1686701>

Podgorny OV, Lazarev VN:

Laser microdissection: A promising tool for exploring microorganisms and their interactions with hosts

J Microbiol Methods. 2016 Jan 13. pii: S0167-7012(16)30001-X. doi: 10.1016/j.mimet.2016.01.001.
[http://linkinghub.elsevier.com/retrieve/pii/S0167-7012\(16\)30001-X](http://linkinghub.elsevier.com/retrieve/pii/S0167-7012(16)30001-X)

Podgorny OV, Polina NF, Babenko VV, Karpova IY, Kostryukova ES, Govorun VM, Lazarev VN:

Isolation of single Chlamydia-infected cells using laser microdissection

J Microbiol Methods. 2014 Dec 26. pii: S0167-7012(14)00367-4. doi: 10.1016/j.mimet.2014.12.018.
<http://www.sciencedirect.com/science/article/pii/S0167701214003674>

Poppe M, Wittig S, Jurida L, Bartkuhn M, Wilhelm J, Müller H, Beuerlein K, Karl N, Bhuju S, Ziebuhr J, Schmitz ML, Kracht M:

The NF- κ B-dependent and -independent transcriptome and chromatin landscapes of human coronavirus 229E-infected cells

PLoS Pathog. 2017 Mar 29;13(3):e1006286. doi: 10.1371/journal.ppat.1006286.
<http://journals.plos.org/plospathogens/article?id=10.1371/journal.ppat.1006286>

Post F, Hausmann A, Kabatnik S, Steigerwald S, Brand A, Clement DL, Skov J, Boyce TL, Sato T, Steenholdt C, Mund A, Nielsen OH, Jensen KB, Mann M:

Deep Visual Proteomics advances human colon organoid models by revealing a switch to an in vivo-like phenotype upon xenotransplantation

bioRxiv preprint, doi: <https://doi.org/10.1101/2024.05.13.593888>; May 14, 2024

<https://doi.org/10.1101/2024.05.13.593888>

Post F, Hausmann A, Kabatnik S, Steigerwald S, Brand A, Clement DL, Skov J, Löhmußaar K, Larsen HL, Maimets M, Boyce TL, Jez G, Sato T, Steenholdt C, Rosenberger F, Mund A, Nielsen OH, Jensen KB, Mann M:

Deep visual proteomics reveals an in vivo-like phenotype of orthotopically transplanted human colon organoids

Cell Systems 16, 101396, September 17, 2025

<https://doi.org/10.1016/j.cels.2025.101396>

Qu S, Gong M, Deng Y, Xiang Y, Ye D:

Research progress and application of single-cell sequencing in head and neck malignant tumors

Cancer Gene Ther. 2023 Nov 15. doi: 10.1038/s41417-023-00691-2.

<https://www.nature.com/articles/s41417-023-00691-2>

Ramirez A, Heimbach A, Grundemann J, Stiller B, Hampshire D, Cid LP, Goebel I, Mubaidin AF, Wriekat AL, Roeper J, Al-Din A, Hillmer AM, Karsak M, Liss B, Woods CG, Behrens MI, and Kubisch C:

Hereditary parkinsonism with dementia is caused by mutations in ATP13A2, encoding a lysosomal type 5 P-type ATPase

Nat Genet 38(10): 1184-1191 (2006)

<http://www.nature.com/ng/journal/v38/n10/full/ng1884.html>

Ran R, Li L, Wang M, Wang S, Zheng Z, Lin PP:

Determination of EGFR mutations in single cells microdissected from enriched lung tumor cells in peripheral blood

Anal Bioanal Chem. 2013 Jul 5

<http://dx.doi.org/10.1007/s00216-013-7156-y>

Rosenberger FA, Mädler SC, Thorhauge KH, Steigerwald S, Fromme M, Lebedev M, Weiss CAM, Oeller M, Wahle M, Metousis A, Zwiebel M, Schmacke NA, Detlefsen S, Boor P, Fabián O, Fraňková S, Krag A, Strnad P, Mann M:

Deep Visual Proteomics maps proteotoxicity in a genetic liver disease

Nature. 2025 Apr 16. doi: 10.1038/s41586-025-08885-4.

<https://www.nature.com/articles/s41586-025-08885-4>

Rosenberger FA, Mädler SC, Thorhauge KH, Steigerwald S, Fromme M, Lebedev M, Weiss CAM, Oeller M, Wahle M, Zwiebel M, Schmacke NA, Detlefsen S, Boor P, Kaseran J, Wilson A, Fabián O, Franková S, Krag AA, Strnad P, and Mann M:

The proteomic landscape of proteotoxic stress in a fibrogenic liver disease

bioRxiv, 3rd Nov 2024

<https://doi.org/10.1101/2024.11.01.621457>

Rosenberger FA, Thielert M, Mann M:

Making single-cell proteomics biologically relevant

Nat Methods. 2023 Mar;20(3):320-323. doi: 10.1038/s41592-023-01771-9.

<https://www.nature.com/articles/s41592-023-01771-9>

Rosenberger FA, Thielert M, Strauss MT, Ammar C, Mädler SC, Schweizer L, Metousis A, Skowronek P, Wahle M, Gote-Schniering J, Semenova A, Schiller HB, Rodriguez E, Nordmann TM, Mund A, Mann M:

Spatial single-cell mass spectrometry defines zonation of the hepatocyte proteome

bioRxiv, 3. Dec 2022, doi: <https://doi.org/10.1101/2022.12.03.518957>

<https://doi.org/10.1101/2022.12.03.518957>

Rosenberger FA, Thielert M, Strauss MT, Schweizer L, Ammar C, Mädler SC, Metousis A, Skowronek P, Wahle M, Madden K, Gote-Schniering J, Semenova A, Schiller HB, Rodriguez E, Nordmann TM, Mund A, Mann M:

Spatial single-cell mass spectrometry defines zonation of the hepatocyte proteome.

Nat Methods. 2023 Oct 2. doi: 10.1038/s41592-023-02007-6.

<https://doi.org/10.1038/s41592-023-02007-6>

Sachithanandham J, Leep-Lazar J, Quinn J, Bowden K, Balasubramaniam P, Ward K, Ribeiro R, Sulkowski MS, Balagopal A:

Direct acting antivirals eradicate HCV from the liver quickly in people with HIV but do not fully reverse immune activation

The Journal of Infectious Diseases, 2024 Dec 2, DOI: 10.1093/infdis/jiae598

<https://doi.org/10.1093/infdis/jiae598>

Schiemann J, Schlaudraff F, Klose V, Bingmer M, Seino S, Magill PJ, Zaghloul KA, Schneider G, Liss B, Roeper J:

K-ATP channels in dopamine substantia nigra neurons control bursting and novelty-induced exploration

Nat Neurosci. 2012 Aug 19. doi: 10.1038/nn.3185

http://www.uni-ulm.de/fileadmin/website_uni_ulm/med.inst.010/bliss-pdf/Schiemann_NatNeurosci_2012.pdf

Schlaudraff F:

Quantitative Genexpressionsanalysen humaner dopaminerges Neurone nach Lasermikrodissektion aus post-mortem Mittelhirngewebe von Morbus Parkinson Patienten und Kontrollen

Dissertation, 2010 (in German)

http://vts.uni-ulm.de/query/longview.meta.asp?document_id=7359

Schlaudraff F, Gründemann J, Fauler M, Dragecivic E, Hardy J, and Liss B:

Orchestrated increase of dopamine and PARK mRNAs but not miR-133b in dopamine neurons in Parkinson's disease

Neurobiology of Aging, 22 March 2014, <http://dx.doi.org/10.1016/j.neurobiolaging.2014.03.016>

<http://www.sciencedirect.com/science/article/pii/S019745801400270X>

Schmacke NA, Mädler SC, Wallmann G, Metousis A, Bérouti M, Harz H, Leonhardt H, Mann M, Horning V:

SPARCS, a platform for genome-scale CRISPR screening for spatial cellular phenotypes

bioRxiv, 1 June 2023, DOI: 10.1101/2023.06.01.542416

<https://doi.org/10.1101/2023.06.01.542416>

Schweizer L, Kenny HA, Krishnan R, Kelliher L, Bilecz AJ, Heide J, Donle L, Shimizu A, Metousis A, Mendoza R, Nordmann TM, Rauch S, Richter S, Yan L, Rosenberger FA, Strauss MT, Kurnit KC, Thielert M, Rodriguez E, Müller-Reif JB, Yamada SD, Theis FJ, Mund A, Lastra RR, Mann M, and Lengyei E:

Spatial proteo-transcriptomic profiling reveals the molecular landscape of borderline ovarian tumors and their invasive progression

Cancer Cell, 26 June 2025

<https://doi.org/10.1016/j.ccell.2025.06.004>

Schweizer L, Krishnan R, Shimizu A, Metousis A, Kenny H, Mendoza R, Nordmann TM, Rauch S, Kelliher L, Heide J, Rosenberger FA, Bilecz A, Borrego SN, Strauss MT, Thielert M, Rodriguez E, Müller-Reif JB, Chen M, Yamada SD, Mund A, Lastra RR, Mann M, and Lengyei E:

Spatial proteo-transcriptomic profiling reveals the molecular landscape of borderline ovarian tumors and their invasive progression

medRxiv preprint, November 13, 2023

<https://doi.org/10.1101/2023.11.13.23298409>

Steinecke A, Kurabayashi N, Hayano Y, Ishino Y, Taniguchi H:

In Vivo Single-Cell Genotyping of Mouse Cortical Neurons Transfected with CRISPR/Cas9

Cell Rep. 2019 Jul 9;28(2):325-331.e4. doi: 10.1016/j.celrep.2019.06.038.

[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(19\)30804-6](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(19)30804-6)

Siller A, Hofer NT, Tomagra G, Wiederspohn N, Hess S, Benkert J, Gaifullina A, Spaich D, Duda J, Pötschke C, Vilusic K, Fritz EM, Schneider T, Kloppenburg P, Liss B, Carabelli V, Carbone E, Ortner NJ, and Strieessnig J :

Alternative splicing of auxiliary $\beta 2$ -subunits stabilizes Cav2.3 Ca^{2+} channel activity in continuously active midbrain dopamine neurons

bioRxiv, 10 Feb 2021, doi: <https://doi.org/10.1101/2021.02.10.430224>

<https://www.biorxiv.org/content/10.1101/2021.02.10.430224v1>

Su S, and Li X:

Dive into Single, Seek Out Multiple: Probing Cancer Metastases via Single-Cell Sequencing and Imaging Techniques

Cancers 2021, 13(5), 1067; <https://doi.org/10.3390/cancers13051067>

<https://www.mdpi.com/2072-6694/13/5/1067>

Suzuki T:

Overview of single-cell RNA sequencing analysis and its application to spermatogenesis research

Reprod Med Biol. 2023;22:e12502.

<https://doi.org/10.1002/rmb2.12502>

Taddese M, Grudda T, Belluccini G, Anderson M, Cloherty G, Hwang HS, Mani M, Lo CM, Esrig N, Sulkowski MS, Sterling RK, Zhang Y, Ribeiro RM, Thomas DL, Thio CL, Balagopal A:

Transcription of hepatitis B surface antigen shifts from cccDNA to integrated HBV DNA during treatment

J Clin Invest. 2025 Jan 30:e184243. doi: 10.1172/JCI184243.

<https://doi.org/10.1172/jci184243>

Tokizane K, Brace CS, Imai SI:

DMH^{Ppp1r17} neurons regulate aging and lifespan in mice through hypothalamic-adipose inter-tissue communication

Cell Metab. 2024 Jan 1:S1550-4131(23)00462-X. doi: 10.1016/j.cmet.2023.12.011.

<https://doi.org/10.1016/j.cmet.2023.12.011>

Valdes DS, Nimo J, Nonn, O, Ulrich J, Forstner D, Haider S, Ressler M, Pignitter M, Muller DN, Dechend R, Gauster M, Coscia F, Herse F:

Maternal smoking in early pregnancy disrupts placental function through syncytiotrophoblast and macrophage dysregulation

bioRxiv, July 15, 2025.

<https://doi.org/10.1101/2025.07.10.664172>

Visci G, Tolomeo D, Lonoce A, Arshadi A, Bascetta L, Trotta G, van Riel M, Vermeesch JR, Carbone R, Storlazzi CT:

A novel method for the isolation of single cells mimicking circulating tumour cells adhered on Smart Bio Surface slides by Laser Capture Microdissection

Protocols.io, 26 Oct 2023

<https://www.protocols.io/view/a-novel-method-for-the-isolation-of-single-cells-m-81wgbx5kolpk/v1>

Wang R, Li J, Zhou X, Mao Y, Wang W, Gao S, Wang W, Gao Y, Chen K, Yu S, Wu X, Wen L, Ge H, Fu W, Tang F:

Single-cell genomic and transcriptomic landscapes of primary and metastatic colorectal cancer tumors

Genome Med. 2022 Aug 16;14(1):93. doi: 10.1186/s13073-022-01093-z.

<https://genomemedicine.biomedcentral.com/articles/10.1186/s13073-022-01093-z>

Weiss CAM, Brown LA, Miranda L, Pelizzoni P, Ben-Moshe S, Steigerwald S, Remmert K, Hernandez J, Borgwardt K, Rosenberger FA, Porat-Shliom N, Mann M:

Single cell spatial proteomics maps human liver zonation patterns and their vulnerability to fibrosis

bioRxiv, 13. April 2025

<https://doi.org/10.1101/2025.04.13.648568>

Woschitz V:

Investigating modifiers that can regulate selective vulnerability in mouse models of spinal muscular atrophy

Thesis, 2023

<http://dx.doi.org/10.7488/era/3896>

Yanagihara K, Niki H, Baba T:

Direct PCR amplification of the 16S rRNA gene from single microbial cells isolated from an Antarctic iceberg using laser microdissection microscopy

Polar Science, Volume 5, Issue 3, September 2011, Pages 375–382

<http://www.sciencedirect.com/science/article/pii/S1873965211000375>

Yao J, Cui Q, Fan W, Ma Y, Chen Y, Liu T, Zhang X, Xi Y, Wang C, Peng L, Luo Y, Lin A, Guo W, Lin L, Lin Y, Tan W, Lin D, Wu C, Wang J:

Single-cell transcriptomic analysis in a mouse model deciphers cell transition states in the multistep development of esophageal cancer

Nat Commun. 2020 Jul 24;11(1):3715. doi: 10.1038/s41467-020-17492-y.

<https://www.nature.com/articles/s41467-020-17492-y.pdf>

Yu H, Nagi SS, Usoskin D, Hu Y, Kupari J, Bouchatta O, Yan H, Cranfill SL, Gautam M, Su Y, Lu Y, Wymer J, Glanz M, Albrecht P, Song H, Ming GL, Prouty S, Seykora J, Wu H, Ma M, Marshall A, Rice FL, Li M, Olausson H, Ernfors P, Luo W:

Leveraging deep single-soma RNA sequencing to explore the neural basis of human somatosensation

Nat Neurosci. 2024 Nov 4. doi: 10.1038/s41593-024-01794-1.

<https://doi.org/10.1038/s41593-024-01794-1>

Yu J, Mo Y:

近视小鼠巩膜成纤维细胞的基因表达谱：基于单细胞RNA测序的生物信息学分析

[Gene expression profiles of myopic mouse scleral fibroblasts: a bioinformatics analysis based on single-cell RNA sequencing]

Nan Fang Yi Ke Da Xue Xue Bao. 2021 Jul 20;41(7):1087-1092. doi: 10.12122/j.issn.1673-4254.2021.07.18

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8329679/>

Zhang F, Zhang B, Wang Y, Jiang R, Liu J, Wei Y, Gao X, Zhu Y, Wang X, Sun M, Kang J, Liu Y, You G, Wei D, Xin J, Bao J, Wang M, Gu Y, Wang Z, Ye J, Guo S, Huang H, Sun Q:

An extra-erythrocyte role of haemoglobin body in chondrocyte hypoxia adaption

Nature. 2023 Oct 4. doi: 10.1038/s41586-023-06611-6.

<https://doi.org/10.1038/s41586-023-06611-6>

Zheng S, Liang JY, Tang Y, Xie J, Zou Y, Yang A, Shao N, Kuang X, Ji F, Liu X, Tian W, Xiao W, Lin Y:

Dissecting the role of cancer-associated fibroblast-derived biglycan as a potential therapeutic target in immunotherapy resistance: A tumor bulk and single-cell transcriptomic study

Clin Transl Med. 2023 Feb;13(2):e1189. doi: 10.1002/ctm2.1189.

<https://doi.org/10.1002/ctm2.1189>

Zheng X, Mund A, Mann M:

Deciphering functional tumor-immune crosstalk through highly multiplexed imaging and deep visual proteomics

Molecular Cell, 14 Jan 2025, ISSN 1097-2765, DOI: 10.1016/j.molcel.2024.12.023

<https://doi.org/10.1016/j.molcel.2024.12.023>

Zheng X, Mund A, Mann M:

Protocol for spatial proteomic profiling of tonsil cancer microenvironments using multiplexed imaging-powered deep visual proteomics

STAR Protoc. 2025 Jun 18;6(3):103901. doi: 10.1016/j.xpro.2025.103901.

<https://doi.org/10.1016/j.xpro.2025.103901>

Zhou Q, Yang L, Verne ZT, Zhang BB, Fields JZ, Thacker AT, Verne GN:

Human colonic EVs induce murine enteric neuroplasticity via the lncRNA GAS5/miR-23/NMDA NR2B axis

JCI Insight. 2025 Mar 10;10(5):e178631. doi: 10.1172/jci.insight.178631.

<https://doi.org/10.1172/jci.insight.178631>

Zhu Y, Piehowski PD, Zhao R, Chen J, Shen Y, Moore RJ, Shukla AK, Petyuk VA, Campbell-Thompson M, Mathews CE, Smith RD, Qian WJ, Kelly RT

Nanodroplet processing platform for deep and quantitative proteome profiling of 10-100 mammalian cells

Nat Commun. 2018 Feb 28;9(1):882. doi: 10.1038/s41467-018-03367-w.

<https://www.nature.com/articles/s41467-018-03367-w.pdf>

2. DNA-Research

Adachi JI, Shirahata M, Suzuki T, Mishima K, Uchida E, Sasaki A, Nishikawa R:
Droplet digital PCR assay for detecting TERT promoter mutations in patients with glioma.
Brain Tumor Pathol. 2021 Jun 14. doi: 10.1007/s10014-021-00403-4.
<https://link.springer.com/article/10.1007/s10014-021-00403-4>

Ährlund-Richter A, Holzhauser S, Dalianis T, Näsman A, and Mints M:
Whole-Exome Sequencing of HPV Positive Tonsillar and Base of Tongue Squamous Cell Carcinomas Reveals a Global Mutational Pattern along with Relapse-Specific Somatic Variants
Cancers 2022, 14, 77. <https://doi.org/10.3390/cancers14010077>
<https://www.mdpi.com/2072-6694/14/1/77>

Aguilar-Mahecha, A., Hales, B.F., and Robaire, B.:
Effects of acute and chronic cyclophosphamide treatment on meiotic progression and the induction of DNA double-strand breaks in rat spermatocytes
Biol Reprod 72(6): 1297-1304 (2005)
<http://www.biolreprod.org/content/72/6/1297.long>

Al Hamad M, Matalaka I, Al Zoubi MA, Armogida I, Khasawneh R, Al-Hussein M, Sughayer M, Jaradat S, Al-Nasser A, and Mazzanti CM:
Human Mammary Tumor Virus, Human Papilloma Virus, and Epstein-Barr Virus Infection Are Associated With Sporadic Breast Cancer Metastasis
Breast Cancer: Basic and Clinical Research Volume 14: 1–8
<https://journals.sagepub.com/doi/pdf/10.1177/1178223420976388>

Amatori S, Ballarini M, Favarsani A, Belloni E, Fusar F, Bosari S, Pelicci PG, Minucci S, Fanelli M:
PAT-ChIP coupled with laser microdissection allows the study of chromatin in selected cell populations from paraffin-embedded patient samples
Epigenetics Chromatin. 2014 Aug 5;7:18. doi: 10.1186/1756-8935-7-18. eCollection 2014.
<http://www.epigeneticsandchromatin.com/content/7/1/18>

Amé JC, Fouquerel E, Gauthier LR, Biard D, Boussin FD, Dantzer F, de Murcia G, Schreiber V:
Radiation-induced mitotic catastrophe in PARG-deficient cells
J Cell Sci. 2009 Jun 15;122(Pt 12):1990-2002
<http://jcs.biologists.org/content/122/12/1990.long>

An S, Kim MJ, Kim SJ, Sung YN, Kim YW, Song KB, Hwang DW, Kim SC, Hruban RH, Hong SM
Multiple KRAS mutations in the non-mucinous epithelial lining in the majority of mucinous cystic neoplasms of the pancreas
Histopathology. 2019 May 11. doi: 10.1111/his.13897.
<https://doi.org/10.1111/his.13897>

Anglesio MS, Papadopoulos N, Ayhan A, Nazeran TM, Noë M, Horlings HM, Lum A, Jones S, Senz J, Seckin T, Ho J, Wu RC, Lac V, Ogawa H, Tessier-Cloutier B, Alhassan R, Wang A, Wang Y, Cohen JD, Wong F, Hasanovic A, Orr N, Zhang M, Popoli M, McMahon W, Wood LD, Mattox A, Allaire C, Segars J, Williams C, Tomasetti C, Boyd N, Kinzler KW, Gilks CB, Diaz L, Wang TL, Vogelstein B, Yong PJ, Huntsman DG, Shih IM:
Cancer-Associated Mutations in Endometriosis without Cancer
N Engl J Med. 2017 May 11;376(19):1835-1848. doi: 10.1056/NEJMoa1614814.
http://www.nejm.org/doi/abs/10.1056/NEJMoa1614814?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed

Anjiki H, Mukaisho KI, Kadomoto Y, Doi H, Yoshikawa K, Nakayama T, Vo DT, Hattori T, Sugihara H:

Adenocarcinoma arising in multiple hyperplastic polyps in a patient with *Helicobacter pylori* infection and hypergastrinemia during long-term proton pump inhibitor therapy

Clin J Gastroenterol. 2017 Feb 3. doi: 10.1007/s12328-017-0714-7.

<http://link.springer.com/article/10.1007/s12328-017-0714-7>

Aoki Y, Mizuma M, Hata T, Aoki T, Omori Y, Ono Y, Mizukami Y, Unno M, Furukawa T

Intraductal papillary neoplasms of the bile duct are consisted of two distinct types specifically associated with clinicopathological features and molecular phenotypes

J Pathol. 2020 Feb 26. doi: 10.1002/path.5398.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/path.5398>

Archer, A., Sauvaget, D., Chauffeton, V., Bouchet, P.E., Chambaz, J., Pincon-Raymond, M., Cardot, P., Ribeiro, A., and Lacasa, M.:

Intestinal apolipoprotein A-IV gene transcription is controlled by two hormone-responsive elements: a role for hepatic nuclear factor-4 isoforms

Mol Endocrinol 19(9): 2320-2334 (2005)

<http://mend.endojournals.org/cgi/content/full/19/9/2320>

Ardighieri L, Mori L, Conzadori S, Bugatti M, Falchetti M, Donzelli CM, Ravaggi A, Odicino FE, Facchetti F

Identical TP53 mutations in pelvic carcinosarcomas and associated serous tubal intraepithelial carcinomas provide evidence of their clonal relationship

Virchows Arch. 2016 Apr 8.

<http://dx.doi.org/10.1007/s00428-016-1933-x>

Ardighieri L, Zeppernick F, Hannibal CG, Vang R, Cope L, Junge J, Kjaer SK, Kurman RJ, Shih IM:

Mutational Analysis of BRAF and KRAS in Ovarian Atypical Proliferative Serous (Borderline) Tumors and Associated Peritoneal Implants

J. Pathol., 1096-9896, 10.1002/path.4293, 2013

<http://dx.doi.org/10.1002/path.4293>

Arstad C, Taskén K, Refinetti P, Axcróna U, Giercksky K-E, Ekstrøm PO:

Somatic Mitochondrial DNA Point Mutations Used as Biomarkers to Demonstrate Genomic Heterogeneity in Primary Prostate Cancer

Prostate Cancer, 28 Aug 2020, Volume 2020, Article ID 7673684

<https://www.hindawi.com/journals/pc/2020/7673684/>

Balagopal A, Grudda T, Ribeiro RM, Saad YS, Hwang HS, Quinn J, Murphy M, Ward K, Sterling RK, Zhang Y, Perelson AS, Sulkowski MS, Osburn WO, Thio CL:

Single hepatocytes show persistence and transcriptional inactivity of hepatitis B

JCI Insight. 2020 Oct 2;5(19):140584. doi: 10.1172/jci.insight.140584.

<https://insight.jci.org/articles/view/140584>

Balbinot C, Armant O, Elarouci N, Marisa L, Martin E, De Clara E, Onea A, Deschamps J, Beck F, Freund JN, Duluc I:

The Cdx2 homeobox gene suppresses intestinal tumorigenesis through non-cell-autonomous mechanisms

J Exp Med. 2018 Feb 8. pii: jem.20170934. doi: 10.1084/jem.20170934.

<http://jem.rupress.org/cgi/pmidlookup?view=long&pmid=29439001>

Baldassari S, Ribierre T, Marsan E, Adle-Biassette H, Ferrand-Sorbets S, Bulteau C, Dorison N, Fohlen M, Polivka M, Weckhuysen S, Dorfmueller G, Chipaux M, Baulac S:

Dissecting the genetic basis of focal cortical dysplasia: a large cohort study

Acta Neuropathol. 2019 Aug 23. doi: 10.1007/s00401-019-02061-5.

<https://link.springer.com/content/pdf/10.1007%2Fs00401-019-02061-5.pdf>

Barault L, Ellsworth RE, Harris HR, Valente AL, Shriver CD, and Michels KB:

Leukocyte DNA as Surrogate for the Evaluation of Imprinted Loci Methylation in Mammary Tissue DNA

PLoS ONE 8(2): e55896. doi:10.1371/journal.pone.0055896

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0055896>

Barrow TM, Barault L, Ellsworth RE, Harris HR, Binder AM, Valente AL, Shriver CD, Michels KB:

Aberrant methylation of imprinted genes is associated with negative hormone receptor status in invasive breast cancer

Int J Cancer. 2015 Jan 5. doi: 10.1002/ijc.29419.

<http://dx.doi.org/10.1002/ijc.29419>

Baquedano MS, Garrido NP, Goñi J, Saraco N, Aliberti P, Berensztejn E, Rivarola MA, Belgorosky A:

DNA methylation is not involved in specific down-regulation of HSD3B2, NR4A1 and RAR β genes in androgen-secreting cells of human adrenal cortex

Molecular and Cellular Endocrinology, 23 Sep 2016, ISSN 0303-7207

<http://dx.doi.org/10.1016/j.mce.2016.09.024>

Baslan T, Morris JP 4th, Zhao Z, Reyes J, Ho YJ, Tsanov KM, Bermeo J, Tian S, Zhang S, Askan G, Yavas A, Lecomte N, Erakky A, Varghese AM, Zhang A, Kendall J, Ghiban E, Chorbadjiev L, Wu J, Dimitrova N, Chadalavada K, Nanjangud GJ, Bandlamudi C, Gong Y, Donoghue MTA, Socci ND, Krasnitz A, Notta F, Leach SD, Iacobuzio-Donahue CA, Lowe SW:

Ordered and deterministic cancer genome evolution after p53 loss.

Nature. 2022 Aug;608(7924):795-802. doi: 10.1038/s41586-022-05082-5.

<https://www.nature.com/articles/s41586-022-05082-5>

Bateman NW, Abulez T, Soltis AR, McPherson A, Choi S, Garsed DW, Pandey A, Tian C, Hood BL, Conrads KA, Teng PN, Oliver J, Gist G, Mitchell D, Litzi TJ, Tarney CM, Crothers BA, Mhawech-Fauceglia P, Dalgard CL, Wilkerson MD, Pierobon M, Petricoin EF, Yan C, Meerzaman D, Bodelon C, Wentzensen N, Lee JSH; APOLLO Research Network; Huntsman DG, Shah S, Shriver CD, Phippen NT, Darcy KM, Bowtell DDL, Conrads TP, Maxwell GL:

Proteogenomic analysis of enriched HGSOC tumor epithelium identifies prognostic signatures and therapeutic vulnerabilities

NPJ Precis Oncol. 2024 Mar 13;8(1):68. doi: 10.1038/s41698-024-00519-8.

<https://www.nature.com/articles/s41698-024-00519-8>

Bayona-Bafaluy, M.P., Blits, B., Battersby, B.J., Shoubbridge, E.A., and Moraes, C.T.:

Rapid directional shift of mitochondrial DNA heteroplasmy in animal tissues by a mitochondrially targeted restriction endonuclease

Proc Natl Acad Sci U S A 102(40): 14392-14397 (2005)

<http://www.pnas.org/content/102/40/14392.long>

Beagrie RA, Thieme CJ, Annunziatella C, Baugher C, Zhang Y, Schueler M, Kukalev A, Kempfer R, Chiariello AM, Bianco S, Li Y, Davis T, Scialdone A, Welch LR, Nicodemi M, Pombo A:

Multiplex-GAM: genome-wide identification of chromatin contacts yields insights overlooked by Hi-C

Nat Methods. 2023 Jun 19. doi: 10.1038/s41592-023-01903-1.

<https://www.nature.com/articles/s41592-023-01903-1>

Begus-Nahrmann, Y., Lechel, A., Obenauf, A., Nalapareddy, K., Peit, E., Hoffmann, E., Schlaudraff, F., Liss, B., Schirmacher, P., Kestler, H., Danenberg, E., Barker, N., Clevers, H., Speicher, M., Rudolph, K.L.

p53 deletion impairs clearance of chromosomal-instable stem cells in aging telomere-dysfunctional mice

Nature Genetics 41(10): 1138-43 (2009)

<http://www.nature.com/ng/journal/v41/n10/full/ng.426.html>

Bonduelle T, Hartlieb T, Baldassari S, Sim NS, Kim SH, Kang HC, Kobow K, Coras R, Chipaux M, Dorfmueller G, Adle-Biasette H, Aronica E, Lee JH, Blumcke I, Baulac S:

Frequent SLC35A2 brain mosaicism in mild malformation of cortical development with oligodendroglial hyperplasia in epilepsy (MOGHE)

Acta Neuropathol Commun. 2021 Jan 6;9(1):3. doi: 10.1186/s40478-020-01085-3.
<https://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-020-01085-3>

Boschetti E, Caporali L, D'Angelo R, Malagelada C, Accarino A, Dotti MT, Costa R, Cenacchi G, Pironi L, Rinaldi R, Stanghellini V, Ratti S, Manzoli L, Carelli V, De Giorgio R:

Anatomical Laser Microdissection of the Ileum Reveals mtDNA Depletion Recovery in A Mitochondrial Neuro-Gastrointestinal Encephalomyopathy (MNGIE) Patient Receiving Liver Transplant

Int J Mol Sci. 2022 Aug 8;23(15):8792. doi: 10.3390/ijms23158792.
<https://doi.org/10.3390/ijms23158792>

Bourdeaut F, Hérault A, Gentien D, Pierron G, Ballet S, Reynaud S, Paris R, Schleiermacher G, Baumann C, Philippe-Chomette P, Gauthier-Villars M, Peuchmaur M, Radvanyi F, Delattre O:

Mosaicism for oncogenic G12D KRAS mutation associated with epidermal nevus, polycystic kidneys and rhabdomyosarcoma

J Med Genet 47(12):859-62 (2010)
<http://jmg.bmj.com/content/47/12/859.short>

Boureille A, Ferraro-Peyret C, Pontarollo G, Confavreux C, Pialat J-B, Isaac S, Forest F, Yvoret V, Watkin E, Girard N, Brevet M:

Rapid detection of EGFR mutations in decalcified lung cancer bone metastasis

Journal of Bone Oncology, Volume 21, 2020, 100277, ISSN 2212-1374
<https://doi.org/10.1016/j.jbo.2020.100277>

Bowes A:

Profiling the genomic landscape of polyploid giant cancer cells in sarcomas

Thesis, University College London, September 2024

https://discovery.ucl.ac.uk/id/eprint/10200291/13/Bowes_10200291_Thesis.pdf

Braxton AM, Kiemen AL, Grahm MP, Forjaz A, Babu JM, Zheng L, Jiang L, Cheng H, Song Q, Reichel R, Graham S, Damanakis AI, Fischer CG, Mou S, Metz C, Granger J, Liu X-D, Bachmann N, Almagro-Pérez C, Jiang AC, Yoo J, Kim B, Du S, Foster E, Hsu JY, Rivera PA, Chu LC, Liu F, Niknafs N, Fishman EK, Yuille A, Roberts NJ, Thompson ED, Scharpf RB, Cornish TC, Jiao Y, Karchin R, Hruban RH, Wu P-H, Wirtz D, Wood LD:

Three-dimensional genomic mapping of human pancreatic tissue reveals striking multifocality and genetic heterogeneity in precancerous lesions

bioRxiv 2023.01.27.525553; doi: <https://doi.org/10.1101/2023.01.27.525553>
<https://doi.org/10.1101/2023.01.27.525553>

Braxton AM, Kiemen AL, Grahm MP, Forjaz A, Parksong J, Mahesh Babu J, Lai J, Zheng L, Niknafs N, Jiang L, Cheng H, Song Q, Reichel R, Graham S, Damanakis AI, Fischer CG, Mou S, Metz C, Granger J, Liu XD, Bachmann N, Zhu Y, Liu Y, Almagro-Pérez C, Jiang AC, Yoo J, Kim B, Du S, Foster E, Hsu JY, Rivera PA, Chu LC, Liu F, Fishman EK, Yuille A, Roberts NJ, Thompson ED, Scharpf RB, Cornish TC, Jiao Y, Karchin R, Hruban RH, Wu PH, Wirtz D, Wood LD:

3D genomic mapping reveals multifocality of human pancreatic precancers

Nature. 2024 May 1. doi: 10.1038/s41586-024-07359-3.
<https://www.nature.com/articles/s41586-024-07359-3>

Brzozowska N, Wu LYD, Khodzhaeva V, Griffiths WJ, Duckworth A, Jung H, Coorens THH, Hooks Y, Chambers JE, Campbell PJ, Marciniak SJ, Hoare M

Selection for somatic escape variants in SERPINA1 in the liver of patients with alpha-1 antitrypsin deficiency

Nat Genet. 2025 Mar 10. doi: 10.1038/s41588-025-02125-1.

<https://doi.org/10.1038/s41588-025-02125-1>

Bu W, Creighton CJ, Heavener KS, Gutierrez C, Dou Y, Ku AT, Zhang Y, Jiang W, Urrutia J, Jiang W, Yue F, Jia L, Ibrahim AA, Zhang B, Huang S, Li Y:

Efficient cancer modeling through CRISPR-Cas9/HDR-based somatic precision gene editing in mice

Sci Adv. 2023 May 12;9(19):eade0059. doi: 10.1126/sciadv.ade0059.

<https://doi.org/10.1126/sciadv.ade0059>

Buttó LF, Pelletier A, More SK, Zhao N, Osme A, Hager CL, Ghannoum MA, Sekaly RP, Cominelli F, Dave M:

Intestinal Stem Cell Niche Defects Result in Impaired 3D Organoid Formation in Mouse Models of Crohn's Disease-like Ileitis

Stem Cell Reports. 2020 Jul 6:S2213-6711(20)30238-1. doi: 10.1016/j.stemcr.2020.06.017.

[https://linkinghub.elsevier.com/retrieve/pii/S2213-6711\(20\)30238-1](https://linkinghub.elsevier.com/retrieve/pii/S2213-6711(20)30238-1)

Cai X, Zhang H, Zhang J, Li T:

Isolation of Cells with Morphological and Spatial Information from Oral Submucous Fibrosis Samples by Laser Capture Microdissection

J. Vis. Exp. (198), e65890, doi:10.3791/65890 (11 Aug 2023).

<https://dx.doi.org/10.3791/65890>

Cai X, Zhang J, Li L, Liu L, Tang M, Zhou X, Peng C, Li X, Chen X, Xu M, Zhang H, Wang J, Huang Y, Li T:

Copy Number Alterations Predict Development of OSCC from Oral Leukoplakia

J Dent Res. 2024 Jan 12:220345231217160. doi: 10.1177/00220345231217160.

<https://doi.org/10.1177/00220345231217160>

Cai YR, Dong YJ, Wu HB, Liu ZC, Zhou LJ, Su D, Chen XJ, Zhang L, Zhao YL:

Micropapillary: A component more likely to harbour heterogeneous EGFR mutations in lung adenocarcinomas

Sci Rep. 2016 Apr 5;6:23755. doi: 10.1038/srep23755.

<http://dx.doi.org/10.1038/srep23755>

Cai YR, Wu H, Shi X, Dong Y, Chang X, Zhang L, Zhou L, Su D, Yang M:

Heterogeneous components of lung adenocarcinomas confer distinct EGFR mutation and PD-L1 expression

BMC Cancer, Oncology, 20 Nov 2019, DOI:10.21203/rs.2.17531/v1

<https://www.researchsquare.com/article/ffe3d959-2e1e-4ed0-8add-447b06feea55/v1>

Campbell GR, Reeve A, Ziabreva I, Polvikoski TM, Taylor RW, Reynolds R, Turnbull DM, Mahad DJ:

Mitochondrial DNA deletions and depletion within paraspinal muscles

Neuropathol Appl Neurobiol. 2012 Jul 5. doi: 10.1111/j.1365-2990.2012.01290.x

<http://dx.doi.org/10.1111/j.1365-2990.2012.01290.x>

Cameselle-Teijeiro J, Ferreira R, Caramés N, Abdulkader I, Máximo V, Soares P, Sobrinho-Simões M:
Absence of the BRAF and the GRIM-19 Mutations in Oncocytic (Hurthle Cell) Solid Cell Nests of the Thyroid

Am J Clin Pathol. 2012 Apr;137(4):612-8

<http://ajcp.ascpjournals.org/content/137/4/612.full>

Campbell G, Krishnan KJ, Deschauer M, Taylor RW, Turnbull DM:

Dissecting the mechanisms underlying the accumulation of mitochondrial DNA deletions in human skeletal muscle

Hum Mol Genet. 2014 Sep 1;23(17):4612-20. doi: 10.1093/hmg/ddu176.
<http://hmg.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=24740879>

Cavalloni G, Peraldo-Neia C, Sassi F, Chiorino G, Sarotto I, Aglietta M, Leone F:

Establishment of a patient-derived intrahepatic cholangiocarcinoma xenograft model with KRAS mutation

BMC Cancer. 2016 Feb 11;16(1):90. doi: 10.1186/s12885-016-2136-1.
<http://bmccancer.biomedcentral.com/articles/10.1186/s12885-016-2136-1>

Cerbelli B, Pisano A, Colafrancesco S, Pignataro MG, Biffoni M, Berni S, De Luca A, Ricciari V, Priori R, Valesini G, d'Amati G, Giordano C:

Anti-aminoacyl-tRNA synthetase-related myositis and dermatomyositis: clues for differential diagnosis on muscle biopsy

Virchows Arch. 2017 Nov 16. doi: 10.1007/s00428-017-2269-x.
<https://dx.doi.org/10.1007/s00428-017-2269-x>

Chan MK, Ocampo-Hafalla MT, Vartanian V, Jaruga P, Kirkali G, Koenig KL, Brown S, Lloyd RS, Dizdaroglu M, Teebor GW:

Targeted deletion of the genes encoding NTH1 and NEIL1 DNA N-glycosylases reveals the existence of novel carcinogenic oxidative damage to DNA

DNA Repair (Amst). 2009 Jul 4;8(7):786-94
<http://dx.doi.org/10.1016/j.dnarep.2009.03.001>

Chan-Seng-Yue M, Kim JC, Wilson GW, Ng K, Figueroa EF, O'Kane GM, Connor AA, Denroche RE, Grant RC, McLeod J, Wilson JM, Jang GH, Zhang A, Liang SB, Borgida A, Chadwick D, Kalimuthu S, Lungu I, Bartlett JMS, Krzyzanowski PM, Sandhu V, Tiriach H, Froeling FEM, Karasinska JM, Topham JT, Renouf DJ, Schaeffer DF, Jones SJM, Marra MA, Laskin J, Chetty R, Stein LD, Zogopoulos G, Haibe-Kains B, Campbell PJ, Tuveson DA, Knox JJ, Fischer SE, Gallinger S, Notta F:

Transcription phenotypes of pancreatic cancer are driven by genomic events during tumor evolution

Nat Genet. 2020 Jan 13. doi: 10.1038/s41588-019-0566-9.
<http://dx.doi.org/10.1038/s41588-019-0566-9>

Chang J, Zhao X, Wang Y, Liu T, Zhong C, Lao Y, Zhang S, Liao H, Bai F, Lin D, Wu C:

Genomic alterations driving precancerous to cancerous lesions in esophageal cancer development

Cancer Cell. 2023 Nov 20;S1535-6108(23)00394-X. doi: 10.1016/j.ccell.2023.11.003.
<https://doi.org/10.1016/j.ccell.2023.11.003>

Chapman MS, Ranzoni AM, Myers B, Williams N, Coorens THH, Mitchell E, Butler T, Dawson KJ, Hooks Y, Moore L, Nangalia J, Robinson PS, Yoshida K, Hook E, Campbell PJ, Cvejic A:

Lineage tracing of human development through somatic mutations

Nature. 2021 May 12. doi: 10.1038/s41586-021-03548-6.
<https://www.nature.com/articles/s41586-021-03548-6>

Chatziandreu I, Tsioli P, Sakellariou S, Mourikioti I, Giannopoulou I, Levidou G, Korkolopoulou P, Patsouris E, Saetta AA:

Comprehensive Molecular Analysis of NSCLC; Clinicopathological Associations

PLoS One. 2015 Jul 24;10(7):e0133859. doi: 10.1371/journal.pone.0133859. eCollection 2015.
<http://dx.plos.org/10.1371/journal.pone.0133859>

Chau SL, Tong JH, Chow C, Kwan JS, Lung RW, Chung LY, Tin EK, Wong SS, Cheung AH, Lau RW, Ng CS, Mok TS, Lo KW, To KF:

Distinct Molecular Landscape of Epstein-Barr Virus Associated Pulmonary Lymphoepithelioma-Like Carcinoma Revealed by Genomic Sequencing

Cancers (Basel). 2020 Jul 27;12(8):E2065. doi: 10.3390/cancers12082065.
<https://www.mdpi.com/resolver?pii=cancers12082065>

Chen D, Qi W, Feng L, Wang J, Wang L, Guan H:

Investigation of the clonal origin of multifocal papillary thyroid carcinoma according to the X-chromosome inactivation pattern

Oncology Letters 17, no. 5 (2019): 4695-4700. <https://doi.org/10.3892/ol.2019.10105>
<https://www.spandidos-publications.com/10.3892/ol.2019.10105>

Chen J, Zheng Q, Hicks JL, Trabzonlu L, Ozbek B, Jones T, Vaghasia A, Larman TC, Wang R, Markowski MC, Denmeade SR, Pienta KJ, Hruban RH, Antonaraskis ES, Gupta A, Dang CV, Yegnasubramanian S, De Marzo AM:

MYC-driven increases in mitochondrial DNA copy number occur early and persist throughout prostatic cancer progression

bioRxiv 2023.02.20.529259; doi: <https://doi.org/10.1101/2023.02.20.529259>
<https://doi.org/10.1101/2023.02.20.529259>

Chen M, Bui AQ, Goldberg RB:

Using Giant Scarlet Runner Bean (*Phaseolus coccineus*) Embryos to Dissect the Early Events in Plant Embryogenesis

Methods Mol Biol. 2020;2122:205-222. doi: 10.1007/978-1-0716-0342-0_15.
https://link.springer.com/protocol/10.1007/978-1-0716-0342-0_15

Chen S, Zuo S, Zhu J, Yue T, Bu D, Wang X, Wang P, Pan Y, Liu Y:

Decreased expression of cystathionine β -synthase exacerbates intestinal barrier injury in ulcerative colitis

J Crohns Colitis. 2019 Feb 5. doi: 10.1093/ecco-jcc/jjz027.
<https://academic.oup.com/ecco-jcc/article-lookup/doi/10.1093/ecco-jcc/jjz027>

Chen X, Sun S, Li S, Yu S, Chen J, Chen X:

Attenuated immune surveillance during squamous cell transformation of pancreatic adenosquamous cancer defines new therapeutic opportunity for cancer interception

J Immunother Cancer. 2025 Jun 23;13(6):e012066. doi: 10.1136/jitc-2025-012066.
<https://doi.org/10.1136/jitc-2025-012066>

Chen Z, Hong Y, Zhao Z, Wu N, Ma X, Chen L, Zhang R :

Differences in BRAF V600E mutation between the epithelium and mesenchyme in classic ameloblastoma

Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 21 Aug 2024
<https://doi.org/10.1016/j.oooo.2024.08.001>

Chen ZH, Yan SM, Chen XX, Zhang Q, Liu SX, Liu Y, Luo YL, Zhang C, Xu M, Zhao YF, Huang LY, Liu BL, Xia TL, Xu DZ, Liang Y, Chen YM, Wang W, Yuan SQ, Zhang HZ, Yun JP, Zhai WW, Zeng MS, Bai F, Zhong Q :

The genomic architecture of EBV and infected gastric tissue from precursor lesions to carcinoma.

Genome Med. 2021 Sep 7;13(1):146. doi: 10.1186/s13073-021-00963-2.
<https://link.springer.com/article/10.1186/s13073-021-00963-2>

Cheng L, Mann SA, Lopez-Beltran A, Chovanec M, Santoni M, Wang M, Albany C, Adra N, Davidson DD, Cimadamore A, Montironi R, and Zhang S :

Molecular Characterization of Testicular Germ Cell Tumors Using Tissue Microdissection

Methods Mol Biol. 2021;2195:31-47. doi: 10.1007/978-1-0716-0860-9_3.
https://dx.doi.org/10.1007/978-1-0716-0860-9_3

Chien Y-W, Wang Y, Huang P, Lawson BC, Kolin DL, Chui MH, Vang R, Numan TA, Soong TR, Wang BG, Smith SA, Chen C-L, Stone R, Douville C, Wang T-L, Shih IM:

Morphologic and Molecular Heterogeneity of High-grade Serous Carcinoma Precursor Lesions

The American Journal of Surgical Pathology ():10.1097/PAS.0000000000002187, February 1, 2024.

<https://doi.org/10.1097/PAS.0000000000002187>

Chika N, Eguchi H, Kumamoto K, Suzuki O, Ishibashi K, Tachikawa T, Akagi K, Tamaru JI, Okazaki Y, Ishida H:

Prevalence of Lynch syndrome and Lynch-like syndrome among patients with colorectal cancer in a Japanese hospital-based population

Jpn J Clin Oncol. 2016 Dec 4.

<http://jco.oxfordjournals.org/content/early/2016/12/04/jco.hyw178.abstract>

Chiappetta C, Proietti I, Soccodato V, Puggioni C, Zaralli R, Pacini L, Porta N, Skroza N, Petrozza V, Potenza C, Rocca CD, Di Cristofano C:

BRAF and NRAS Mutations are Heterogeneous and Not Mutually Exclusive in Nodular Melanoma

Applied Immunohistochemistry & Molecular Morphology, doi: 10.1097/PAI.0000000000000071

http://journals.lww.com/appliedimmunohist/Abstract/publishahead/BRAF_and_NRAS_Mutations_are_Heterogeneous_and_Not.99403.aspx

Choate KA, Lu Y, Zhou J, Elias PM, Zaidi S, Paller AS, Farhi A, Nelson-Williams C, Crumrine D, Milstone LM, Lifton RP:

Frequent somatic reversion of KRT1 mutations in ichthyosis with confetti

J Clin Invest. 2015 Apr 1;125(4):1703-7. doi: 10.1172/JCI64415.

<http://dx.doi.org/10.1172/JCI64415>

Chong KWY, Thong Z, Kiu-Choong Syn C :

Recent trends and developments in forensic DNA extraction

WIREs Forensic Science, 30 July 2020, DOI: 10.1002/wfs2.1395

<https://onlinelibrary.wiley.com/doi/abs/10.1002/wfs2.1395>

Choong, N.W., Dietrich, S., Seiwert, T.Y., Tretiakova, M.S., Nallasura, V., Davies, G.C., Lipkowitz, S., Husain, A.N., Salgia, R., and Ma, P.C.:

Gefitinib response of erlotinib-refractory lung cancer involving meninges--role of EGFR mutation

Nat Clin Pract Oncol 3(1): 50-57; quiz 51 p following 57 (2006)

<http://www.nature.com/nrclinonc/journal/v3/n1/full/ncponc0400.html>

Chueca E, Valero A, Hördnler C, Puertas A, Carrera P, García-González MA, Strunk M, Lanás A, Piazzuelo E:

Quantitative analysis of p16 methylation in Barrett's carcinogenesis

Ann Diagn Pathol. 2020 Jun 17;47:151554. doi: 10.1016/j.anndiagpath.2020.151554.

<https://www.sciencedirect.com/science/article/abs/pii/S1092913420300976>

Chui, D.T., Hammond, D., Baird, M., Shield, L., Jackson, R., and Jarrett, R.F.:

Classical Hodgkin lymphoma is associated with frequent gains of 17q

Genes Chromosomes Cancer 38(2): 126-136 (2003)

<http://onlinelibrary.wiley.com/doi/10.1002/gcc.10266/full>

Ci X, Chen S, Zhu R, Zarif M, Jain R, Guo W, Ramotar M, Gong L, Xu W, Singh O, Mansouri S, Zadeh G, Wei GH, Xu W, Bristow R, Berlin A, Koritzinsky M, van der Kwast T, He HH:

Oral pimonidazole unveils clinicopathologic and epigenetic features of hypoxic tumour aggressiveness in localized prostate cancer

BMC Cancer. 2024 Jun 18;24(1):744. doi: 10.1186/s12885-024-12505-1.

<https://doi.org/10.1186/s12885-024-12505-1>

Confavreux CB, Girard N, Pialat J-P, Bringuier P-P, Shisheboran MD, Rousseau J-C, Isaac S, Thivolet-Bejui F, Clezardin P, and Brevet M:

Mutational profiling of bone metastases from lung adenocarcinoma: results of a prospective study (POUMOS-TEC)

BoneKey Reports 3, Article number: 580 (2014) | doi:10.1038/bonekey.2014.75

<http://www.nature.com/bonekeyreports/2014/141001/bonekey201475/pdf/bonekey201475.pdf>

Coorens T:

Lineage tracing of normal human development and childhood cancers

Thesis, 2020

https://aspace.repository.cam.ac.uk/bitstream/handle/1810/325354/PhD_Thesis_Final_submission.pdf

Coorens THH, Oliver TRW, Sanghvi R, Sovio U, Cook E, Vento-Torno R, Haniffa M, Young MD, Rahbari R, Sebire N, Campbell PJ, Charnock-Jones DS, Smith GCS, Behjati S:

Somatic mutations reveal widespread mosaicism and mutagenesis in human placentas

bioRxiv, 27 Jan 2021, doi: <https://doi.org/10.1101/2021.01.26.428217>

<https://www.biorxiv.org/content/biorxiv/early/2021/01/27/2021.01.26.428217.full.pdf>

Co NN, Iglesias D, Celestino J, Kwan SY, Mok SC, Schmandt R, Lu KH:

Loss of LKB1 in high-grade endometrial carcinoma: LKB1 is a novel transcriptional target of p53

Cancer. 2014 Jul 16. doi: 10.1002/cncr.28854.

<http://dx.doi.org/10.1002/cncr.28854>

Connor AA:

Germline & Somatic Variation in Gastrointestinal Malignancies

Thesis, 2017

<https://tspace.library.utoronto.ca/handle/1807/80761>

Connor AA, Denroche RE, Jang GH, Timms L, Kalimuthu SN, Selander I, McPherson T, Wilson GW, Chan-Seng-Yue MA, Borozan I, Ferretti V, Grant RC, Lungu IM, Costello E, Greenhalf W, Palmer D, Ghaneh P, Neoptolemos JP, Buchler M, Petersen G, Thayer S, Hollingsworth MA, Sherker A, Durocher D, Dhani N, Hedley D, Serra S, Pollett A, Roehrl MH, Bavi P, Bartlett JM, Cleary S, Wilson JM, Alexandrov LB, Moore M, Wouters BG, McPherson JD, Notta F, Stein LD, Gallinger S:

Association of Distinct Mutational Signatures With Correlates of Increased Immune Activity in Pancreatic Ductal Adenocarcinoma

JAMA Oncol. 2016 Oct 20. doi: 10.1001/jamaoncol.2016.3916

<http://oncology.jamanetwork.com/article.aspx?doi=10.1001/jamaoncol.2016.3916>

Coope RJ, Schlosser C, Corbett RD, Pleasance S, Tessier-Cloutier B, Pandoh P, Kirk H, Haile S, Zhao Y, Mungall AJ, Marra MA:

Whole-slide laser microdissection for tumour enrichment.

J Pathol. 2020 Nov 2. doi: 10.1002/path.5575.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/path.5575>

Cruz-Flores R, Dhar AK:

Tracking the emergence of a novel genotype of *Decapod hepanhamaparvovirus* in shrimp using laser microdissection and next generation sequencing

PLoS One. 2024 Oct 10;19(10):e0311592. doi: 10.1371/journal.pone.0311592.

<https://doi.org/10.1371/journal.pone.0311592>

Cui Y:

Development of detection technique for minimal residual diseases through detection of circulating tumor DNA in oral cancer patients

Thesis, Dec 2020

<https://ir.ymlib.yonsei.ac.kr/bitstream/22282913/185357/1/TA02970.pdf>

Cui Y, Kim HS, Cho ES, Han D, Park JA, Park JY, Nam W, Kim HJ, Cha IH, Cha YH:
Longitudinal detection of somatic mutations in saliva and plasma for the surveillance of oral squamous cell carcinomas

PLoS One. 2021 Sep 3;16(9):e0256979. doi: 10.1371/journal.pone.0256979. eCollection 2021.
<https://journals.plos.org/plosone/article/authors?id=10.1371/journal.pone.0256979>

Cumming N, Dinan A, McLean CA:

Qualitative Assurance in Molecular Testing: Assessing Minimum Tumour Area Requirements for PCR Amplification and MALDI-TOF MS Using FFPE Tissues

Pathology, 2019

[https://www.pathologyjournal.rcpa.edu.au/article/S0031-3025\(18\)30908-5/pdf](https://www.pathologyjournal.rcpa.edu.au/article/S0031-3025(18)30908-5/pdf)

da Silva EM, Beca F, Sebastiao APM, Murray MP, Silveira C, Da Cruz Paula A, Pareja F, Wen HY, D'Alfonso TM, Edelweiss M, Weigelt B, Brogi E, Reis-Filho JS, Zhang H:

Stromal MED12 exon 2 mutations in complex fibroadenomas of the breast

J Clin Pathol. 2022 Feb;75(2):133-136. doi: 10.1136/jclinpath-2020-207062

<https://doi.org/10.1136/jclinpath-2020-207062>

da Silva EM, Cruz Paula AD, Dessources K, Gordhandas S, Selenica P, Abu-Rustum NR, Weigelt B, Murali R:

A subset of serous tubal intraepithelial carcinoma (STIC)-like lesions and concurrent high-grade endometrial carcinoma are genomically related entities

Mod Pathol. 2025 Sep 12:100890. doi: 10.1016/j.modpat.2025.100890.

<https://doi.org/10.1016/j.modpat.2025.100890>

Dash HR:

Advancements in differentiation between sperm cells and epithelial cells for efficient forensic DNA analysis in sexual assault cases

Int J Legal Med. 2024 Jul 12. doi: 10.1007/s00414-024-03285-1.

<https://doi.org/10.1007/s00414-024-03285-1>

De Palma FDE, Pol JG, Carbonnier V, Scuderi SA, Mannino D, Montégut L, Sauvat A, Perez-Lanzon M, Uribe-Carretero E, Guarracino M, Granata I, Calogero R, Del Monaco V, Montanaro D, Stoll G, Botti G, D'Aiuto M, Baldi A, D'Argenio V, Guigó R, Rezsöházy R, Kroemer G, Maiuri MC, Salvatore F:

Epigenetic regulation of HOXA2 expression affects tumor progression and predicts breast cancer patient survival

Cell Death Differ. 2025 Jan 20. doi: 10.1038/s41418-024-01430-2.

<https://doi.org/10.1038/s41418-024-01430-2>

De Raeve, L.E., Claes, A., Ruiter, D.J., van Muijen, G.N., Roseeuw, D., and van Kempen, L.C.:

Distinct phenotypic changes between the superficial and deep component of giant congenital melanocytic naevi: a rationale for curettage

Br J Dermatol 154(3): 485-492 (2006)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2133.2005.07055.x/full>

De Velez Sendon PM:

Development and Characterization of a Novel Mouse Model Carrying Mitochondrial DNA Mutations
thesis, 2024

https://kups.ub.uni-koeln.de/73684/1/Thesis_PMDSendon_KUPS.pdf

Delgado DA:

Characterizing gene-environment relationships in diverse populations

Thesis, June 2021

<https://knowledge.uchicago.edu/record/3003>

Delvaux E, Mastroeni D, Nolz J, Coleman PD:

Novel method to ascertain chromatin accessibility at specific genomic loci from frozen brain homogenates and laser capture microdissected defined cells

Neuroepigenetics, 17 Mar 2016, doi:10.1016/j.nepig.2016.03.001

<http://www.sciencedirect.com/science/article/pii/S2214784515300128>

Di Cristofano, C., Mrad, K., Zavaglia, K., Bertacca, G., Aretini, P., Cipollini, G., Bevilacqua, G., Ben Romdhane, K., and Cavazzana, A.:

Papillary lesions of the breast: a molecular progression?

Breast Cancer Res Treat 90(1): 71-76 (2005)

<http://www.springerlink.com/content/k541817888758k14/>

Di Niro R, Snir O, Kaukinen K, Yaari G, Lundin KE, Gupta NT, Kleinstein SH, Cols M, Cerutti A, Mäki M, Shlomchik MJ, Sollid LM:

Responsive population dynamics and wide seeding into the duodenal lamina propria of transglutaminase-2-specific plasma cells in celiac disease

Mucosal Immunol. 2015 Jul 8. doi: 10.1038/mi.2015.57.

<http://www.nature.com/mi/journal/vaop/ncurrent/pdf/mi201557a.pdf>

Dietrich D, Lesche R, Tetzner R, Krispin M, Dietrich J, Haedicke W, Schuster M, Kristiansen G:

Analysis of DNA methylation of multiple genes in microdissected cells from formalin-fixed and paraffin-embedded tissues

J Histochem Cytochem. 2009 May;57(5):477-89.

<http://jhc.sagepub.com/cgi/pmidlookup?view=long&pmid=19153192>

Ding RB, Chen P, Rajendran BK, Lyu X, Wang H, Bao J, Zeng J, Hao W, Sun H, Wong AH, Valecha MV, Yang EJ, Su SM, Choi TK, Liu S, Chan KI, Yang LL, Wu J, Miao K, Chen Q, Shim JS, Xu X, Deng CX:

Molecular landscape and subtype-specific therapeutic response of nasopharyngeal carcinoma revealed by integrative pharmacogenomics

Nat Commun. 2021 May 24;12(1):3046. doi: 10.1038/s41467-021-23379-3.

<https://www.nature.com/articles/s41467-021-23379-3>

Dong, B., Sato, M., Sakurada, A., Sagawa, M., Endo, C., Wu, S., Yamanaka, S., Horii, A., and Kondo, T.:
Computed tomographic images reflect the biologic behavior of small lung adenocarcinoma: they correlate with cell proliferation, microvascularization, cell adhesion, degradation of extracellular matrix, and K-ras mutation

J Thorac Cardiovasc Surg 130(3): 733-739 (2005)

<http://www.jtcvsonline.org/article/S0022-5223%2805%2900791-9/abstract>

Donzel M, Gaillot-Durand L, Joubert M, Aziza J, Beneteau C, Mauduit C, Ploteau S, Hajri T, Bolze PA, Massardier J, Devouassoux-Shisheboran M, Sunde L, Allias F:

Androgenetic/biparental mosaicism in a diploid mole-like conceptus: report of a case with triple paternal contribution

Virchows Arch. 2023 Sep 11. doi: 10.1007/s00428-023-03638-y.

<https://doi.org/10.1007/s00428-023-03638-y>

Du L, Peng R, Björkman A, Filipe de Miranda N, Rosner C, Kotnis A, Berglund M, Liu C, Rosenquist R, Enblad G, Sundström C, Hojjat-Farsangi M, Rabbani H, Teixeira MR, Revy P, Durandy A, Zeng Y, Gennery AR, de Villartay JP, Pan-Hammarström Q:

Cernunnos influences human immunoglobulin class switch recombination and may be associated with B cell lymphomagenesis

J Exp Med. 2012 Feb 6. [Epub ahead of print]

<http://www.jem.org/cgi/pmidlookup?view=long&pmid=22312109>

Duong TT, Vo DT, Nakayama T, Mukaisho KI, Bamba M, Nguyen TS, Sugihara H:

Rapidly and Slowly Growing Lineages in Chromosomal Instability-Type Gland-Forming Gastric Carcinomas as Revealed by Multisampling Analysis of DNA Copy-Number Profile

Pathobiology. 2019 Jan 9;1-10. doi: 10.1159/000494926.

<https://www.karger.com/Article/Abstract/494926>

Eichmüller OL, Corsini NS, Vértessy Á, Scholl T, Gruber V-E, Peer AM, Chu J, Novatchkova M, Paredes MF, Feucht M, Knoblich JA:

Cerebral organoid model reveals excessive proliferation of human caudal late interneuron progenitors in Tuberous Sclerosis Complex

bioRxiv, Feb 27, 2020; doi: <https://doi.org/10.1101/2020.02.27.967802>

<https://www.biorxiv.org/content/10.1101/2020.02.27.967802v1>

Ellis P, Moore L, Sanders MA, Butler TM, Brunner SF, Lee-Six H, Osborne R, Farr B, Coorens THH, Lawson ARJ, Cagan A, Stratton MR, Martincorena I, Campbell PJ:

Reliable detection of somatic mutations in solid tissues by laser-capture microdissection and low-input DNA sequencing

Nat Protoc. 2020 Dec 14. doi: 10.1038/s41596-020-00437-6.

<https://www.nature.com/articles/s41596-020-00437-6>

Ellsworth, D.L., Ellsworth, R.E., Love, B., Deyarmin, B., Lubert, S.M., Mittal, V., and Shriver, C.D.:

Genomic patterns of allelic imbalance in disease free tissue adjacent to primary breast carcinomas

Breast Cancer Res Treat 88(2): 131-139 (2004)

<http://www.springerlink.com/content/p08585p766261t33/>

Ellsworth, D.L., Shriver, C.D., Ellsworth, R.E., Deyarmin, B., and Somiari, R.I.:

Laser capture microdissection of paraffin-embedded tissues

Biotechniques 34(1): 42-44, 46 (2003)

http://www.biotechniques.com/multimedia/archive/00010/03341bm05_10303a.pdf

Ellsworth, R.E., Ellsworth, D.L., Lubert, S.M., Hooke, J., Somiari, R.I., and Shriver, C.D.:

High-throughput loss of heterozygosity mapping in 26 commonly deleted regions in breast cancer

Cancer Epidemiol Biomarkers Prev 12(9): 915-919 (2003)

<http://cebp.aacrjournals.org/content/12/9/915.long>

Elsner M:

Genome organization by the slice

Nat Biotechnol. 2017 May 9;35(5):430. doi: 10.1038/nbt.3866.

<https://www.nature.com/nbt/journal/v35/n5/pdf/nbt.3866.pdf>

Elstner M, Muller SK, Leidolt L, Laub C, Krieg L, Schlaudraff F, Liss B, Morris C, Turnbull DM, Masliah E, Prokisch H, Klopstock T, Bender A:

Neuromelanin, neurotransmitter status and brainstem location determine the differential vulnerability of catecholaminergic neurons to mitochondrial DNA deletions

Mol Brain. 2011 Dec 21;4(1):43.

<http://www.molecularbrain.com/content/4/1/43/abstract>

Engelham S, Mdaki K, Jewell K, Austin R, Lehner AN, and Langley-Evans SC:

Mitochondrial Respiration Is Decreased in Rat Kidney Following Fetal Exposure to a Maternal Low-Protein Diet

Journal of Nutrition and Metabolism Volume 2012 (2012), Article ID 989037, 10 pages,

doi:10.1155/2012/989037

<http://www.hindawi.com/journals/jnume/2012/989037/>

England R, Nancollis G, Stacey J, Sarman A, Min J, Harbison SA:

Compatibility of the ForenSeq™ DNA Signature Prep Kit with laser microdissected cells: An exploration of issues that arise with samples containing low cell numbers

Forensic Science International: Genetics, 1 May 2020, 102278

<https://www.sciencedirect.com/science/article/abs/pii/S187249732030051X>

Feltmate, C.M., Lee, K.R., Johnson, M., Schorge, J.O., Wong, K.K., Hao, K., Welch, W.R., Bell, D.A., Berkowitz, R.S., and Mok, S.C.:

Whole-genome allelotyping identified distinct loss-of-heterozygosity patterns in mucinous ovarian and appendiceal carcinomas

Clin Cancer Res 11(21): 7651-7657 (2005)

<http://clincancerres.aacrjournals.org/content/11/21/7651.long>

Feng, X., Ren, C., Zhou, W., Liu, W., Zeng, L., Li, G., Wang, L., Li, M., Zhu, B., Yao, K. and Jiang, X:
Promoter Hypermethylation Along With LOH, But Not Mutation, Contributes to Inactivation of DLC-1 in Nasopharyngeal Carcinoma

Mol. Carcinog., 12 JUN 2013, DOI: 10.1002/mc.22044

<http://onlinelibrary.wiley.com/doi/10.1002/mc.22044/abstract>

Filograna R, Koolmeister C, Upadhyay M, Pajak A, Clemente P, Wibom R, Simard ML, Wredenberg A, Freyer C, Stewart JB, Larsson NG:

Modulation of mtDNA copy number ameliorates the pathological consequences of a heteroplasmic mtDNA mutation in the mouse

Sci Adv. 2019 Apr 3;5(4):eaav9824. doi: 10.1126/sciadv.aav9824. eCollection 2019 Apr.

<https://advances.sciencemag.org/content/advances/5/4/eaav9824.full.pdf>

Frick A, Khare V, Paul G, Lang M, Ferk F, Knasmueller S, Beer A, Oberhuber G, Gasche C:

Overt Increase of Oxidative Stress and DNA Damage in Murine and Human Colitis and Colitis-associated Neoplasia

Mol Cancer Res. 2018 Jan 29. pii: molcanres.0451.2017. doi: 10.1158/1541-7786.MCR-17-0451.

<http://mcr.aacrjournals.org/cgi/pmidlookup?view=long&pmid=29378905>

Frimer M, Levano KS, Rodriguez-Gabin A, Wang Y, Goldberg GL, Horwitz SB, Hou JY:

Germline mutations of the DNA repair pathways in uterine serous carcinoma

Gynecol Oncol. 2016 Apr;141(1):101-7. doi: 10.1016/j.ygyno.2015.12.034.

[http://linkinghub.elsevier.com/retrieve/pii/S0090-8258\(15\)30237-7](http://linkinghub.elsevier.com/retrieve/pii/S0090-8258(15)30237-7)

Forsberg LA, Rasi C, Pekar G, Davies H, Piotrowski A, Absher D, Razzaghian HR, Ambicka A, Halaszka K, Przewoźnik M, Kruczak A, Mandava G, Pasupulati S, Hacker J, Prakash KR, Dasari RC, Lau J, Penagos-Tafurt N, Olofsson HM, Hallberg G, Skotnicki P, Mituś J, Skokowski J, Jankowski M, Śrutek E, Zegarski W, Tiensuu Janson E, Ryś J, Tot T, Dumanski JP:

Signatures of post-zygotic structural genetic aberrations in the cells of histologically normal breast tissue that can predispose to sporadic breast cancer

Genome Res. 2015 Oct;25(10):1521-35. doi: 10.1101/gr.187823.114.

<http://genome.cshlp.org/cgi/pmidlookup?view=long&pmid=26430163>

Fujikura K, Hosoda W, Felsenstein M, Song Q, Reiter JG, Zheng L, Beleva Guthrie V, Rincon N, Dal Molin M, Dudley J, Cohen JD, Wang P, Fischer CG, Braxton AM, Noë M, Jongepier M, Fernández-Del Castillo C, Mino-Kenudson M, Schmidt CM, Yip-Schneider MT, Lawlor RT, Salvia R, Roberts NJ, Thompson ED, Karchin R, Lennon AM, Jiao Y, Wood LD:

Multiregion whole-exome sequencing of intraductal papillary mucinous neoplasms reveals frequent somatic KLF4 mutations predominantly in low-grade regions

Gut. 2020 Oct 7;gutjnl-2020-321217. doi: 10.1136/gutjnl-2020-321217.

<https://gut.bmj.com/lookup/pmidlookup?view=long&pmid=33028669>

Fukumoto T, Umakoshi H, Iwahashi N, Ogasawara T, Yokomoto-Umakoshi M, Kaneko H, Fujita M, Uchida N, Nakao H, Kawamura N, Matsuda Y, Sakamoto R, Miyazawa T, Seki M, Eto M, Oda Y, Suzuki Y, Ogawa S, Ogawa Y:

Steroids-producing nodules: a two-layered adrenocortical nodular structure as a precursor lesion of cortisol-producing adenoma

EBioMedicine. 2024 Mar 29;105087. doi: 10.1016/j.ebiom.2024.105087

<https://doi.org/10.1016/j.ebiom.2024.105087>

Fukushima S:

Genomic and transcriptomic analyses of melanoma in Japanese patients reveal candidate biomarkers for immune checkpoint inhibitor responders

Research Square, 18. Feb 2025

<https://doi.org/10.21203/rs.3.rs-5997977/v1>

Funk T, Lim Y, Kulungowski AM, Prok L, Crombleholme TM, Choate K, Bruckner AL:

Symptomatic Congenital Hemangioma and Congenital Hemangiomatosis Associated With a Somatic Activating Mutation in GNA11

JAMA Dermatol. 2016 Jul 20. doi: 10.1001/jamadermatol.2016.2365.

<http://archderm.jamanetwork.com/article.aspx?articleid=2536060>

Gambineri E, Ciullini Mannurita S, Robertson H, Vignoli M, Haugk B, Lionetti P, Hambleton S, Barge D, Gennery AR, Slatter M, Nademi Z, Flood TJ, Jackson A, Abinun M, Cant AJ:

Gut immune reconstitution in immune dysregulation, polyendocrinopathy, enteropathy, X-linked syndrome after hematopoietic stem cell transplantation

Journal of Allergy and Clinical Immunology, 2014, DOI: <http://dx.doi.org/10.1016/j.jaci.2014.09.009>

<http://www.jacionline.org/article/S0091-6749%2814%2901318-9/abstract>

Gendoo DMA, Denroche RE, Zhang A, Radulovich N, Jang GH, Lemire M, Fischer S, Chadwick D, Lungu IM, Ibrahimov E, Cao PJ, Stein LD, Wilson JM, Bartlett JMS, Tsao MS, Dhani N, Hedley D, Gallinger S, Haibe-Kains B:

Whole genomes define concordance of matched primary, xenograft, and organoid models of pancreas cancer

PLoS Comput Biol. 2019 Jan 10;15(1):e1006596. doi: 10.1371/journal.pcbi.1006596. eCollection 2019 Jan.

<http://dx.plos.org/10.1371/journal.pcbi.1006596>

Gillard M, Lack J, Pontier A, Gandla D, Hatcher D, Sowalsky AG, Rodriguez-Nieves J, Vander Griend D, Paner G, VanderWeele D:

Integrative Genomic Analysis of Coincident Cancer Foci Implicates CTNNB1 and PTEN Alterations in Ductal Prostate Cancer

Eur Urol Focus. 2017 Dec 8. pii: S2405-4569(17)30272-9. doi: 10.1016/j.euf.2017.12.003.

[http://www.eu-focus.europeanurology.com/article/S2405-4569\(17\)30272-9/fulltext](http://www.eu-focus.europeanurology.com/article/S2405-4569(17)30272-9/fulltext)

Giuffre, G., Muller, A., Brodegger, T., Bocker-Edmonston, T., Gebert, J., Kloor, M., Dietmaier, W., Kullmann, F., Buttner, R., Tuccari, G., and Ruschoff, J.:

Microsatellite analysis of hereditary nonpolyposis colorectal cancer-associated colorectal adenomas by laser-assisted microdissection: correlation with mismatch repair protein expression provides new insights in early steps of tumorigenesis

J Mol Diagn 7(2): 160-170 (2005)

<http://www.journals.elsevierhealth.com/periodicals/jmdi/article/S1525-1578%2810%2960542-9/abstract>

Gniadecki R, Iyer A, Hennessey D, Khan L, O'Keefe S, Redmond D, Storek J, Durand C, Cohen-Tervaert JW, Osman M:

Genomic instability in early systemic sclerosis

J Autoimmun. 2022 Jul 6;131:102847. doi: 10.1016/j.jaut.2022.102847.

<https://doi.org/10.1016/j.jaut.2022.102847>

Gong L, Li Y, Li X, Tu Q, Mou X, Wang S, Wan Y, Lu Q, Wang J, Zhang W, Zhu S, Han X, Yao L, Zhang J, Huang G, Zhang W:

Detection of human parvovirus B19 infection in the thymus of patients with thymic hyperplasia-associated myasthenia gravis

Clin Microbiol Infect. 2018 Apr 9. pii: S1198-743X(18)30298-2. doi: 10.1016/j.cmi.2018.03.036.
[http://www.clinicalmicrobiologyandinfection.com/article/S1198-743X\(18\)30298-2/fulltext](http://www.clinicalmicrobiologyandinfection.com/article/S1198-743X(18)30298-2/fulltext)

Gong L, Wei LX, Ren P, Zhang WD, Liu XY, Han XJ, Yao L, Zhu SJ, Lan M, Li YH, Zhang W:

Dysplastic nodules with glypican-3 positive immunostaining: a risk for early hepatocellular carcinoma

PLoS One. 2014 Jan 31;9(1):e87120. doi: 10.1371/journal.pone.0087120. eCollection 2014.
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0087120>

Good M, Chu T, Shaw P, McClain L, Chamberlain A, Castro C, Rimer JM, Mihi B, Gong Q, Nolan LS, Cooksey K, Linneman L, Agrawal P, Finegold DN, Peters D:

Global hypermethylation of intestinal epithelial cells is a hallmark feature of neonatal surgical necrotizing enterocolitis

Clin Epigenetics. 2020 Dec 11;12(1):190. doi: 10.1186/s13148-020-00983-6.
<https://link.springer.com/article/10.1186/s13148-020-00983-6>

Gotoh O, Sugiyama Y, Takazawa Y, Kato K, Tanaka N, Omatsu K, Takeshima N, Nomura H, Hasegawa K, Fujiwara K, Taki M, Matsumura N, Noda T, Mori S:

Clinically relevant molecular subtypes and genomic alteration-independent differentiation in gynecologic carcinosarcoma

Nat Commun. 2019 Oct 31;10(1):4965. doi: 10.1038/s41467-019-12985-x.
<https://www.nature.com/articles/s41467-019-12985-x>

Gotoh O, Sugiyama Y, Tonooka A, Kosugi M, Kitaura S, Minegishi R, Sano M, Amino S, Furuya R, Tanaka N, Kaneyasu T, Kumegawa K, Abe A, Nomura H, Takazawa Y, Kanao H, Maruyama R, Noda T, Mori S:

Genetic and epigenetic alterations in precursor lesions of endometrial endometrioid carcinoma

J Pathol. 2024 May 11. doi: 10.1002/path.6278.
<https://doi.org/10.1002/path.6278>

Greaves LC, Barron MJ, Plusa S, Kirkwood TB, Mathers JC, Taylor RW, Turnbull DM:

Defects in multiple complexes of the respiratory chain are present in ageing human colonic crypts

Exp Gerontol 45(7-8):573-9 (2010)
<http://dx.doi.org/10.1016/j.exger.2010.01.013>

Greaves LC, Elson JL, Nooteboom M, Grady JP, Taylor GA, Taylor RW, Mathers JC, Kirkwood TB, Turnbull DM:

Comparison of mitochondrial mutation spectra in ageing human colonic epithelium and disease: absence of evidence for purifying selection in somatic mitochondrial DNA point mutations

PLoS Genet. 2012 Nov;8(11):e1003082. doi: 10.1371/journal.pgen.1003082. Epub 2012 Nov 15.
<http://dx.plos.org/10.1371/journal.pgen.1003082>

Greaves, L.C., Preston, S.L., Tadrous, P.J., Taylor, R.W., Barron, M.J., Oukrif, D., Leedham, S.J., Deheragoda, M., Sasieni, P., Novelli, M.R., Jankowski, J.A., Turnbull, D.M., Wright, N.A., and McDonald, S.A.:

Mitochondrial DNA mutations are established in human colonic stem cells, and mutated clones expand by crypt fission

Proc Natl Acad Sci U S A 103(3): 714-719 (2006)
<http://www.pnas.org/content/103/3/714.long>

Grinstein JD:

Here, There, and Everywhere: Somatic Genomics Uncovers DNA Variants to Inspire Drug Discovery

GEN Biotechnology, Volume 3, Number 2, 2024 ©Mary Ann Liebert, Inc.

<https://doi.org/10.1089/genbio.2024.29137.jdg58>

Grisotto, M.G., Garin, A., Martin, A.P., Jensen, K.K., Chan, P., Sealfon, S.C., and Lira, S.A.:

The human herpesvirus 8 chemokine receptor vGPCR triggers autonomous proliferation of endothelial cells

J Clin Invest 116(5): 1264-1273 (2006)

<http://www.jci.org/articles/view/26666>

Grossmann S, Hooks Y, Wilson L, Moore L, O'Neill L, Martincorena I, Voet T, Stratton MR, Heer R, Campbell PJ:

Development, maturation, and maintenance of human prostate inferred from somatic mutations.

Cell Stem Cell. 2021 Feb 24:S1934-5909(21)00055-2. doi: 10.1016/j.stem.2021.02.005.

<https://www.sciencedirect.com/science/article/pii/S1934590921000552>

Grzywa TM, Koppolu AA, Paskal W, Klicka K, Rydzanicz M, Wejman J, Ploski R, and Wlodarski P:

Higher Mutation Burden in High Proliferation Compartments of Heterogeneous Melanoma Tumors

Int. J. Mol. Sci. 2021, 22(8), 3886; <https://doi.org/10.3390/ijms22083886>

<https://www.mdpi.com/1422-0067/22/8/3886>

Guerra A, Sapio MR, Marotta V, Campanile E, Rossi S, Forno I, Fugazzola L, Budillon A, Moccia T, Fenzi G, Vitale M

The Primary Occurrence of BRAFV600E Is a Rare Clonal Event in Papillary Thyroid Carcinoma

J Clin Endocrinol Metab. 2011 Dec 14. [Epub ahead of print]

<http://cem.endojournals.org/cgi/pmidlookup?view=long&pmid=22170714>

Guidoboni, M., Ponzoni, M., Caggiari, L., Lettini, A.A., Vago, L., De Re, V., Gloghini, A., Zancai, P., Carbone, A., Boiocchi, M., and Dolcetti, R.:

Latent membrane protein 1 deletion mutants accumulate in reed-sternberg cells of human immunodeficiency virus-related Hodgkin's lymphoma

J Virol 79(4): 2643-2649 (2005)

<http://jvi.asm.org/cgi/content/full/79/4/2643?view=long&pmid=15681466>

Guo X, Xue J, Sun L, Li T:

Are Ameloblastic Fibroma-related Lesions True Tumors? Evidence Through CNA and BRAF Mutation Analysis

The American Journal of Surgical Pathology ():10.1097/PAS.0000000000002319, October 11, 2024.

<https://dx.doi.org/10.1097/PAS.0000000000002319>

Hård J, Al Hakim E, Kindblom M, Björklund ÅK, Sennblad B, Demirci I, Paterlini M, Reu P, Borgström E, Ståhl PL, Michaelsson J, Mold JE, Frisén J:

Conbase: a software for unsupervised discovery of clonal somatic mutations in single cells through read phasing

Genome Biol. 2019 Apr 1;20(1):68. doi: 10.1186/s13059-019-1673-8.

<https://doi.org/10.1186/s13059-019-1673-8>

Harino T, Tanaka K, Motooka D, Masuie Y, Takahashi T, Yamashita K, Saito T, Yamamoto K, Makino T, Kurokawa Y, Nakajima K, Eguchi H, Doki Y:

D-loop mutations in mitochondrial DNA are a risk factor for chemotherapy resistance in esophageal cancer

Sci Rep. 2024 Dec 30;14(1):31653. doi: 10.1038/s41598-024-80226-3.

<https://doi.org/10.1038/s41598-024-80226-3>

Harou O, Tondeur G, Descotes F, Balme B, Depaepe L, Bringuier P-P, Caramel J, Thomas L, Dalle S, Lopez J:

The dynamic molecular landscape of malignant melanomas arising from congenital or common nevi

Integr Mol Med 6: DOI: 10.15761/IMM.1000370

<https://www.oatext.com/the-dynamic-molecular-landscape-of-malignant-melanomas-arising-from-congenital-or-common-nevi.php>

Hata T, Suenaga M, Marchionni L, Macgregor-Das A, Yu J, Shindo K, Tamura K, Hruban RH, Goggins M:
Genome-Wide Somatic Copy Number Alterations and Mutations in High-Grade Pancreatic Intraepithelial Neoplasia

Am J Pathol. 2018 Apr 22. pii: S0002-9440(17)31170-7. doi: 10.1016/j.ajpath.2018.03.012.

<https://www.sciencedirect.com/science/article/pii/S0002944017311707#!>

Hawkins MG, Winder DM, Ball SL, Vaughan K, Sonnex C, Stanley MA, Sterling JC, Goon PK:

Detection of specific HPV subtypes responsible for the pathogenesis of condylomata acuminata

Virol J. 2013 May 1;10(1):137.

<http://www.virologyj.com/content/10/1/137>

Heinmoller, E., Bockholt, A., Werther, M., Ziemer, M., Muller, A., Ghadimi, B.M., and Ruschoff, J.:

Laser microdissection of small tissue samples-application to chronic pancreatitis tissues

Pathol Res Pract 199(6): 363-371 (2003)

<http://dx.doi.org/10.1078/0344-0338-00432>

Heinmoller, E., Schlake, G., Renke, B., Liu, Q., Hill, K.A., Sommer, S.S., and Ruschoff, J.:

Microdissection and molecular analysis of single cells or small cell clusters in pathology and diagnosis--significance and challenges

Anal Cell Pathol 24(4-5): 125-134 (2002)

<http://iospress.metapress.com/content/9uvwg5dvt43bcqxh/?p=b340043114c641c2a4487363174b3505&pi=0>

Herbst A, Wanagat J, Cheema N, Widjaja K, McKenzie D, Aiken JM:

Latent mitochondrial DNA deletion mutations drive muscle fiber loss at old age

Aging Cell. 2016 Aug 25. doi: 10.1111/accel.12520.

<http://dx.doi.org/10.1111/accel.12520>

Hirano D, Urabe Y, Tanaka S, Nakamura K, Ninomiya Y, Yuge R, Hayashi R, Oka S, Kitadai Y, Shimamoto F, Arihiro K, Chayama K:

Early-stage serrated adenocarcinomas are divided into several molecularly distinct subtypes

PLoS One. 2019 Feb 20;14(2):e0211477. doi: 10.1371/journal.pone.0211477. eCollection 2019.

<http://dx.plos.org/10.1371/journal.pone.0211477>

Hou S, Zhao L, Shen Q, Yu J, Ng C, Kong X, Wu D, Song M, Shi X, Xu X, OuYang WH, He R, Zhao XZ, Lee T, Brunicardi FC, Garcia MA, Ribas A, Lo RS, Tseng HR:

Polymer nanofiber-embedded microchips for detection, isolation, and molecular analysis of single circulating melanoma cells

Angew Chem Int Ed Engl. 2013 Mar 18;52(12):3379-83. doi: 10.1002/anie.201208452. Epub 2013 Feb 21.

<http://dx.doi.org/10.1002/anie.201208452>

Holzapfel N, Zhang A, Choi W-J, Denroche R, Jang G, Dodd A, Bucur R, Wilson J, Sapisochon G, Notta F, Grant RC, Gallinger S, Knox JJ, O'Kane GM:

Whole-genome sequencing of 20 cholangiocarcinoma cases reveals unique profiles in patients with cirrhosis and primary sclerosing cholangitis

J Gastrointest Oncol 2023

<https://dx.doi.org/10.21037/jgo-22-676>

Huang Q, Wang Y, Chen X, Wang Y, Li Z, Du S, Wang L, Chen S:

Nanotechnology-Based Strategies for Early Cancer Diagnosis Using Circulating Tumor Cells as a Liquid Biopsy

Nanotheranostics 2018, Vol. 2

<http://www.ntno.org/v02p0021.pdf>

Huang YS, Bu DF, Li XY, Ma ZH, Yang Y, Lin ZM, Lu FM, Tu P, Li H:

Unique features of PTCH1 mutation spectrum in Chinese sporadic basal cell carcinoma

J Eur Acad Dermatol Venereol. 2012 Feb 7. doi: 10.1111/j.1468-3083.2012.04453.x.

<http://dx.doi.org/10.1111/j.1468-3083.2012.04453.x>

Humphries A, Cereser B, Gay LJ, Miller DS, Das B, Gutteridge A, Elia G, Nye E, Jeffery R, Poulsom R, Novelli MR, Rodriguez-Justo M, McDonald SA, Wright NA, Graham TA:

Lineage tracing reveals multipotent stem cells maintain human adenomas and the pattern of clonal expansion in tumor evolution

Proc Natl Acad Sci U S A. 2013 Jun 13.

<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=23766371>

Ichikawa T, Arai M, Miyashita M, Arai M, Obata N, Nohara I, Ohshima K, Niizato K, Okazaki Y, Doi N, Itokawa M:

Maternal inheritance and heteroplasmy of mtDNA mutations

Molecular Genetics and Metabolism, Available online 8 October 2011, ISSN 1096-7192, 10.1016/j.ymgme.2011.09.034.

<http://www.sciencedirect.com/science/article/pii/S1096719211003453>

Ikeda, J., Morii, E., Tomita, Y., Xu, J.X., Kimura, H., Kohara, M., Hoshida, Y., and Aozasa, K.:

Methotrexate-associated lymphoproliferative disorder mimicking composite lymphoma

Int J Hematol 83(4): 363-365 (2006)

<http://www.springerlink.com/content/2700876436721844/>

Imaoka, T., Okamoto, M., Nishimura, M., Nishimura, Y., Ootawara, M., Kakinuma, S., Tokairin, Y., and Shimada, Y.:

Mammary tumorigenesis in ApcMin/+ mice is enhanced by X irradiation with a characteristic age dependence

Radiat Res 165(2): 165-173 (2006)

<http://www.rjournal.org/doi/full/10.1667/RR3502.1>

Inoue S, Hirota Y, Ueno T, Fukui Y, Yoshida E, Hayashi T, Kojima S, Takeyama R, Hashimoto T, Kiyono T, Ikemura M, Taguchi A, Tanaka T, Tanaka Y, Sakata S, Takeuchi K, Muraoka A, Osuka S, Saito T, Oda K, Osuga Y, Terao Y, Kawazu M, Mano H :

Uterine adenomyosis is an oligoclonal disorder associated with KRAS mutations

Nat Commun. 2019 Dec 19;10(1):5785. doi: 10.1038/s41467-019-13708-y.

<https://www.nature.com/articles/s41467-019-13708-y>

Ito, S., Ohga, T., Saeki, H., Nakamura, T., Watanabe, M., Tanaka, S., Kakeji, Y., and Maehara, Y.:

p53 mutation profiling of multiple esophageal carcinoma using laser capture microdissection to demonstrate field carcinogenesis

Int J Cancer 113(1): 22-28 (2005)

<http://onlinelibrary.wiley.com/doi/10.1002/ijc.20500/full>

Iyer A, Hennessey D, O'Keefe S, Patterson J, Wang W, Salopek T, Wong GK, Gniadecki R:
Clonotypic heterogeneity in cutaneous T-cell lymphoma (mycosis fungoides) revealed by comprehensive whole-exome sequencing

Blood Adv. 2019 Apr 9;3(7):1175-1184. doi: 10.1182/bloodadvances.2018027482.

<http://www.bloodadvances.org/cgi/pmidlookup?view=long&pmid=30967393>

Jan YJ, Chen JF, Zhu Y, Lu YT, Chen SH, Chung H, Smalley M, Huang YW, Dong J, Chen LC, Yu HH, Tomlinson JS, Hou S, Agopian VG, Posadas EM, Tseng HR:

NanoVelcro rare-cell assays for detection and characterization of circulating tumor cells

Adv Drug Deliv Rev. 2018 Mar 15. pii: S0169-409X(18)30045-0. doi: 10.1016/j.addr.2018.03.006.

[https://linkinghub.elsevier.com/retrieve/pii/S0169-409X\(18\)30045-0](https://linkinghub.elsevier.com/retrieve/pii/S0169-409X(18)30045-0)

Janik K, Jin LQ, Kyzy KZ, Kaminski R, Smith GM, Krynska B:

Neural tube defects induce abnormal astrocyte development by activation and epigenetic permissiveness of STAT3

Exp Neurol. 2025 Mar 30;389:115231. doi: 10.1016/j.expneurol.2025.115231.

<https://doi.org/10.1016/j.expneurol.2025.115231>

Janssen MJ, Salomon J, Te Morsche RH, Drenth JP:

Loss of Heterozygosity Is Present in SEC63 Germline Carriers with Polycystic Liver Disease

PLoS One. 2012;7(11):e50324. doi: 10.1371/journal.pone.0050324.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0050324>

Janssen, M.J., Waanders, E., te Morsche, R.H.M., Xing, R., Dijkman, H.B.P.M., Woudenberg, J., Drenth, J.P.H.:

Secondary, Somatic Mutations Might Promote Cyst Formation in Patients with Autosomal-Dominant Polycystic Liver Disease

Gastroenterology (2011), doi: 10.1053/j.gastro.2011.08.004

<http://www.sciencedirect.com/science/article/pii/S0016508511011528>

Jia HH, Xu YT, Yin ZP, Wu XM, Qing M, Fan YJ, Song X, Xie KD, Xie ZZ, Xu Q, Deng XX, Guo WW:
Transcriptomes and DNA methylomes in apomictic cells delineate nucellar embryogenesis initiation in citrus

DNA Res. 2021 Aug 23;dsab014. doi: 10.1093/dnares/dsab014.

<https://academic.oup.com/dnares/advance-article-pdf/doi/10.1093/dnares/dsab014/39846198/dsab014.pdf>

Jiang YZ, Yu KD, Peng WT, Di GH, Wu J, Liu GY, Shao ZM:

Enriched variations in TEK4 and breast cancer resistance to paclitaxel

Nat Commun. 2014 May 13;5:3802. doi: 10.1038/ncomms4802.

<http://dx.doi.org/10.1038/ncomms4802>

Johnston LE, Randall J, Chouraichi S, Luu M, Hunt AL, Mauro L, Mueller C, Davis JB, Petricoin EF, Conrads TP, Cannon TL, Huynh J:

Proteomics based selection achieves complete response to HER2 therapy in HER2 IHC 0 breast cancer

NPJ Precis Oncol. 2024 Sep 14;8(1):203. doi: 10.1038/s41698-024-00696-6.

<https://doi.org/10.1038/s41698-024-00696-6>

Jonchère V, Montémont H, Le Scanf E, Siret A, Letourneur Q, Tubacher E, Battail C, Fall A, Labreche K, Renault V, Ratovomanana T, Buhard O, Jolly A, Le Rouzic P, Feys C, Despras E, Zouali H, Nicolle R, Cervera P, Svrcek M, Bourgoïn P, Blanché H, Boland A, Lefèvre J, Parc Y, Touat M, Bielle F, Arzur D, Cueff G, Le Jossic-Corcós C, Quéré G, Dujardin G, Blondel M, Le Maréchal C, Cohen R, André T, Coulet F, de la Grange P, de Reyniès A, Fléjou JF, Renaud F, Alentorn A, Corcos L, Deleuze JF, Collura A, Duval A:

Microsatellite instability at U2AF-binding polypyrimidic tract sites perturbs alternative splicing during colorectal cancer initiation

Genome Biol. 2024 Aug 6;25(1):210. doi: 10.1186/s13059-024-03340-5.

<https://doi.org/10.1186/s13059-024-03340-5>

Kalantari M, Garcia-Carranca A, Morales-Vazquez CD, Zuna R, Montiel DP, Calleja-Macias IE, Johansson B, Andersson S, Bernard HU:

Laser capture microdissection of cervical human papillomavirus infections: Copy number of the virus in cancerous and normal tissue and heterogeneous DNA methylation

Virology 390(2):261-7 (2009)

<http://dx.doi.org/10.1016/j.virol.2009.05.006>

Kalef-Ezra E, Bowes A, Proukakis C:

Single-cell Whole Genome Amplification (scWGA) of human frozen post-mortem brain samples isolated by Laser Capture Microdissection (LCM)

Protocols.io, Dec 07 2023

<https://dx.doi.org/10.17504/protocols.io.5qpvorjw7v4o/v1>

Kantlehner M, Kirchner R, Hartmann P, Ellwart JW, Alunni-Fabbroni M, Schumacher A.:

A high-throughput DNA methylation analysis of a single cell.

Nucleic Acids Res. 2011 Apr;39(7):e44.

<http://nar.oxfordjournals.org/content/39/7/e44.long>

Katagiri H, Kushida Y, Nojima M, Kuroda Y, Wakao S, Ishida K, Endo F, Kume K, Takahara T, Nitta H, Tsuda H, Dezawa M, Nishizuka SS:

A Distinct Subpopulation of Bone Marrow Mesenchymal Stem Cells, Muse Cells, Directly Commit to the Replacement of Liver Components

Am J Transplant. 2015 Dec 11. doi: 10.1111/ajt.13537.

<http://dx.doi.org/10.1111/ajt.13537>

Kato K, Kuhara A, Yoneda T, Inoue T, Takao T, Ohgami T, Dan L, Kuboyama A, Kusunoki S, Takeda S, Wake N:

Sodium butyrate inhibits the self-renewal capacity of endometrial tumor side-population cells by inducing a DNA damage response.

Mol Cancer Ther. 2011 Jun 1. [Epub ahead of print]

<http://mct.aacrjournals.org/content/early/2011/06/01/1535-7163.MCT-10-1062.abstract>

Katsumi T, Sato H, Murakami R, Hanatani T, Uchiyama F, Suzuki F, Maki K, Hoshikawa K, Haga H, Saito T, Ueno Y:

Identification of microbial antigens in liver tissues involved in the pathogenesis of primary biliary cholangitis using 16S rRNA metagenome analysis

PLoS One. 2024 Aug 19;19(8):e0308912. doi: 10.1371/journal.pone.0308912.

<https://doi.org/10.1371/journal.pone.0308912>

Katz SF, Lechel A, Obenaus AC, Begus-Nahrmann Y, Kraus J, Hoffmann EM, Duda J, Eshraghi P, Hartmann D, Liss B, Schirmacher P, Kestler HA, Speicher MR, Rudolph KL

Disruption of Trp53 in Livers of Mice Induces Formation of Carcinomas with Bilineal Differentiation

Gastroenterology. 2012 Feb 15. [Epub ahead of print]

[http://linkinghub.elsevier.com/retrieve/pii/S0016-5085\(12\)00204-1](http://linkinghub.elsevier.com/retrieve/pii/S0016-5085(12)00204-1)

Kaupilla JH, Baines HL, Bratic A, Simard ML, Freyer C, Mourier A, Stamp C, Filograna R, Larsson NG, Greaves LC, Stewart JB:

A Phenotype-Driven Approach to Generate Mouse Models with Pathogenic mtDNA Mutations Causing Mitochondrial Disease

Cell Rep. 2016 Sep 13;16(11):2980-90. doi: 10.1016/j.celrep.2016.08.037.

<http://www.sciencedirect.com/science/article/pii/S2211124716311019>

Kawata J, Koga Y, Noguchi S, Shimada Y, Yamada Y, Yamamoto T, Shindo K, Nakamura M, Oda Y:
Clinicopathological features and genetic alterations in mixed-type ampullary carcinoma
Mod Pathol. 2023 Mar 31:100181. doi: 10.1016/j.modpat.2023.100181.
<https://doi.org/10.1016/j.modpat.2023.100181>

Kecheryukova M.M., Snezhko A.V., Verenikina E.V., Menshenina A.P., Adamyan M.L.,
Arja A.Yu., Kecheryukova T.M.:
Features of genes copy number in normal, primary tumor, and lymph nodes metastases cells in patients with cervical cancer
Journal of Clinical Oncology, 28 May 2021, Volume 39, Issue 15_suppl (Russian language)
<https://www.science-education.ru/pdf/2021/3/30904.pdf>

Keel MK, Keeler S, Brown J, Fenton H, Munk B, Gerhold R, Gottdenker N, Ruder M, Elsmo E, Nemeth N:
Granulomatous Inflammation of the Muzzle in White-Tailed Deer (*Odocoileus virginianus*) and Mule Deer (*Odocoileus hemionus*) Associated With *Mannheimia granulomatis*
Vet Pathol. 2020 Aug 19:300985820948825. doi: 10.1177/0300985820948825.
<https://journals.sagepub.com/doi/abs/10.1177/0300985820948825>

Kempfer R:
Chromatin folding in health and disease: exploring allele-specific topologies and the reorganization due to the 16p11.2 deletion in autism-spectrum disorder
Thesis, 2020 Oct 7
<https://edoc.hu-berlin.de/handle/18452/22777>

Kempfer R, Pombo A:
Methods for mapping 3D chromosome architecture
Nat Rev Genet. 2019 Dec 17. doi: 10.1038/s41576-019-0195-2.
<https://www.nature.com/articles/s41576-019-0195-2>

Kikuchi A, Ishikawa T, Mogushi K, Ishiguro M, Iida S, Mizushima H, Uetake H, Tanaka H, Sugihara K:
Identification of NUCKS1 as a colorectal cancer prognostic marker through integrated expression and copy number analysis
Int J Cancer. 2012 Oct 15. doi: 10.1002/ijc.27911.
<http://dx.doi.org/10.1002/ijc.27911>

Kikuchi-Koike R, Nagasaka K, Tsuda H, Ishii Y, Sakamoto M, Kikuchi Y, Fukui S, Miyagawa Y, Hiraike H, Kobayashi T, Kinoshita T, Kanai Y, Shibata T, Imoto I, Inazawa J, Matsubara O, Ayabe T:
Array comparative genomic hybridization analysis discloses chromosome copy number alterations as indicators of patient outcome in lymph node-negative breast cancer
BMC Cancer. 2019 May 30;19(1):521. doi: 10.1186/s12885-019-5737-7.
<https://bmccancer.biomedcentral.com/track/pdf/10.1186/s12885-019-5737-7>

Kim JW, Oh MM, Yoon CY, Bae JH, Kim JJ, Moon DG:
The effect of diet-induced insulin resistance on DNA methylation of the androgen receptor promoter in the penile cavernosal smooth muscle of mice
Asian J Androl. 2013 Jun 3. doi: 10.1038/aja.2013.26.
<http://www.nature.com/aja/journal/vaop/ncurrent/full/aja201326a.html>

King RA:
Analyzing the CRISPR Cas-9 Activity of a Split-Suppression Drive through Sequence Diversity in *Drosophila melanogaster*
Thesis, 2024
<https://edepot.wur.nl/669791>

Kiso M, Urabe Y, Ito M, Masuda K, Boda T, Kotachi T, Hata K, Yorita N, Nagasaki N, Abduwali M, Hiyama Y, Oka S, Tanaka S, Chayama K:

Clinical and genomic characteristics of mucosal signet-ring cell carcinoma in *Helicobacter pylori*-uninfected stomach

BMC Gastroenterol. 2020 Jul 29;20(1):243. doi: 10.1186/s12876-020-01387-9

<https://link.springer.com/content/pdf/10.1186/s12876-020-01387-9.pdf>

Kitamura J, Uemura M, Kurozumi M, Sonobe M, Manabe T, Hiai H, Date H, Kinoshita K:

Chronic lung injury by constitutive expression of activation-induced cytidine deaminase leads to focal mucous cell metaplasia and cancer

PMC Biophys. 2015 Feb 6;10(2):e0117986. doi: 10.1371/journal.pone.0117986. eCollection 2015.

<http://www.physmathcentral.com/1757-5036/10/e0117986>

Klevebring D, Lindberg J, Rockberg J, Hilliges C, Hall P, Sandberg M, Czene K:

Exome sequencing of contralateral breast cancer identifies metastatic disease

Breast Cancer Res Treat. 2015 Apr 29.

<http://dx.doi.org/10.1007/s10549-015-3403-6>

Kobayashi H, Nakai T, Nakanishi Y, Esumi M, Masuda S:

Phylogenetic analysis of combined lobular and ductal carcinoma of the breast

Mol Med Rep. 2021 Oct;24(4):718. doi: 10.3892/mmr.2021.12357.

<https://www.spandidos-publications.com/mmr/24/4/718>

Kobayashi T, Omori Y, Ono Y, Karasaki H, Mizukami Y, Makino N, Motoi F, Unno M, Ueno Y, Furukawa T:

Pathways for the development of multiple epithelial types of intraductal papillary mucinous neoplasm of the pancreas

J Gastroenterol. 2021 Apr 1. doi: 10.1007/s00535-021-01783-2.

<https://link.springer.com/article/10.1007/s00535-021-01783-2>

Kohama Y, Higo S, Masumura Y, Shiba M, Kondo T, Ishizu T, Higo T, Nakamura S, Kameda S, Tabata T, Inoue H, Motooka D, Okuzaki D, Takashima S, Miyagawa S, Sawa Y, Hikoso S, Sakata Y

Adeno-associated virus-mediated gene delivery promotes S-phase entry-independent precise targeted integration in cardiomyocytes

Sci Rep. 2020 Sep 18;10(1):15348. doi: 10.1038/s41598-020-72216-y.

<https://www.nature.com/articles/s41598-020-72216-y>

Korabecna M, Steiner P, Jirkovska M

DNA from microdissected tissues may be extracted and stored on microscopic slides

Neoplasma. 2016 Jun 7. doi: 10.4149/neo_2016_404.

http://dx.doi.org/10.4149/neo_2016_404

Kortüm B, Campregher C, Lang M, Khare V, Pinter M, Evstatiev R, Schmid G, Mittlböck M, Scharl T, Kucherlapati MH, Edelmann W, Gasche C:

Mesalazine and thymoquinone attenuate intestinal tumour development in Msh2loxP/loxP Villin-Cre mice

Gut. 2014 Nov 26. pii: gutjnl-2014-307663. doi: 10.1136/gutjnl-2014-307663.

<http://gut.bmj.com/cgi/lookup?view=long&pmid=25429050>

Kozlenkov A, Roussos P, Timashpolsky A, Barbu M, Rudchenko S, Bibikova M, Klotzle B, Byne W, Lyddon R, Di Narzo AF, Hurd YL, Koonin EV, Dracheva S :

Differences in DNA methylation between human neuronal and glial cells are concentrated in enhancers and non-CpG sites

Nucleic Acids Res. 2013 Sep 20.

<http://nar.oxfordjournals.org/content/early/2013/09/19/nar.gkt838.abstract>

Kraytsberg Y, Bodyak N, Myerow S, Nicholas A, Ebralidze K, Khrapko K:
Collection of isolated cells for studying mitochondrial DNA mutations within individual cells
Methods Mol Biol. 2009;554:315-27
<http://www.springerlink.com/content/r73643704l711552/#section=67449&page=1>

Krishnan KJ, Blackwood JK, Reeve AK, Turnbull DM, Taylor RW:
Detection of mitochondrial DNA variation in human cells
Methods Mol Biol. 2010;628:227-57
<http://www.springerlink.com/content/g920m483112120k6/#section=676826&page=1>

Kubo Y, Tanaka K, Masuie Y, Yamashita K, Makino T, Saito T, Yamamoto K, Takahashi T, Kurokawa Y, Yamasaki M, Nakajima K, Eguchi H, Doki Y:
Low mitochondrial DNA copy number induces chemotherapy resistance via epithelial-mesenchymal transition by DNA methylation in esophageal squamous cancer cells
Research Square, 6th May 2022, DOI: <https://doi.org/10.21203/rs.3.rs-1602834/v1>
<https://doi.org/10.21203/rs.3.rs-1602834/v1>

Kumagae Y, Hirahashi M, Takizawa K, Yamamoto H, Gushima M, Esaki M, Matsumoto T, Nakamura M, Kitazono T, Oda Y:
Overexpression of MTH1 and OGG1 proteins in ulcerative colitis-associated carcinogenesis
Oncology Letters, 0, 0-0. <https://doi.org/10.3892/ol.2018.8812>
<https://www.spandidos-publications.com/10.3892/ol.2018.8812>

Kumagai K, Shimizu T, Nikaïdo M, Hirano T, Kakiuchi N, Takeuchi Y, Minamiguchi S, Sakurai T, Teramura M, Utsumi T, Hiramatsu Y, Nakanishi Y, Takai A, Miyamoto S, Ogawa S, Seno H:
On the origin of gastric tumours: analysis of a case with intramucosal gastric carcinoma and oxyntic gland adenoma
J Pathol. 2023 Jan 10. doi: 10.1002/path.6050.
<https://doi.org/10.1002/path.6050>

Kuscu C, Evensen N, Kim D, Hu Y-J, Zucker S, and Cao J:
Transcriptional and Epigenetic Regulation of KIAA1199 Gene Expression in Human Breast Cancer
PLoS ONE 7(9): e44661. doi:10.1371/journal.pone.0044661
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0044661>

Kuwabara K, Suzuki O, Chika N, Kumamoto K, Minabe T, Fukuda T, Arai E, Tamaru JI, Akagi K, Eguchi H, Okazaki Y, Ishida H:
Prevalence and molecular characteristics of DNA mismatch repair protein-deficient sebaceous neoplasms and keratoacanthomas in a Japanese hospital-based population
Jpn J Clin Oncol. 2018 Apr 28. doi: 10.1093/jjco/hyy055.
<https://academic.oup.com/jjco/article-lookup/doi/10.1093/jjco/hyy055>

Kverneng SU, Stige KE, Berven H, Mostafavi S, Lundervold K, Brischigliaro M, Brakedal B, Skeie GO, Flønes IH, Toker L, Fernandez-Vizarra E, Skogseth RE, Haugarvoll K, Cleuren YNT, Dölle C, Nido GS, Tzoulis C:
Mitochondrial complex I deficiency occurs in skeletal muscle of a subgroup of individuals with Parkinson's disease
Commun Med (Lond). 2025 Apr 27;5(1):141. doi: 10.1038/s43856-025-00817-7.
<https://doi.org/10.1038/s43856-025-00817-7>

Lawson ARJ, Abascal F, Coorens THH, Hooks Y, O'Neill L, Latimer C, Raine K, Sanders MA, Warren AY, Mahbubani KTA, Bareham B, Butler TM, Harvey LMR, Cagan A, Menzies A, Moore L, Colquhoun AJ, Turner W, Thomas B, Gnanapragasam V, Williams N, Rassl DM, Vöhringer H, Zumalave S, Nangalia J, Tubio JMC, Gerstung M, Saeb-Parsy K, Stratton MR, Campbell PJ, Mitchell TJ, Martincorena I:

Extensive heterogeneity in somatic mutation and selection in the human bladder

Science. 2020 Oct 2;370(6512):75-82. doi: 10.1126/science.aba8347.

<https://science.sciencemag.org/content/370/6512/75.abstract>

Le Loarer F, Watson S, Pierron G, de Montpreville VT, Ballet S, Firmin N, Auguste A, Pissaloux D, Boyault S, Painsdavoine S, Dechelotte PJ, Besse B, Vignaud JM, Brevet M, Fadel E, Richer W, Treilleux I, Masliah-Planchon J, Devouassoux-Shisheboran M, Zalcman G, Allory Y, Bourdeaut F, Thivolet-Bejui F, Ranchere-Vince D, Girard N, Lantuejoul S, Galateau-Sallé F, Coindre JM, Leary A, Delattre O, Blay JY, Tirode F:

SMARCA4 inactivation defines a group of undifferentiated thoracic malignancies transcriptionally related to BAF-deficient sarcomas

Nat Genet. 2015 Sep 7. doi: 10.1038/ng.3399.

<http://dx.doi.org/10.1038/ng.3399>

Lee BCH, Robinson PS, Coorens THH, Yan HHN, Olafsson S, Lee-Six H, Sanders MA, Siu HC, Hewinson J, Yue SSK, Tsui WY, Chan ASY, Chan AKW, Ho SL, Campbell PJ, Martincorena I, Buczacck SJA, Yuen ST, Leung SY, Stratton MR:

Mutational landscape of normal epithelial cells in Lynch Syndrome patients

Nat Commun. 2022 May 17;13(1):2710. doi: 10.1038/s41467-022-29920-2.

<https://www.nature.com/articles/s41467-022-29920-2>

Lee WS, Baldassari S, Chipaux M, Adle-Biassette H, Stephenson SEM, Maixner W, Harvey AS, Lockhart PJ, Baulac S, Leventer RJ:

Gradient of brain mosaic RHEB variants causes a continuum of cortical dysplasia.

Ann Clin Transl Neurol. 2021 Jan 12. doi: 10.1002/acn3.51286.

<https://onlinelibrary.wiley.com/doi/epdf/10.1002/acn3.51286>

Lee-Six H, Olafsson S, Ellis P, Osborne RJ, Sanders MA, Moore L, Georgakopoulos N, Torrente F, Noorani A, Goddard M, Robinson P, Coorens THH, O'Neill L, Alder C, Wang J, Fitzgerald RC, Zilbauer M, Coleman N, Saeb-Parsy K, Martincorena I, Campbell PJ, Stratton MR:

The landscape of somatic mutation in normal colorectal epithelial cells

Nature. 2019 Oct;574(7779):532-537. doi: 10.1038/s41586-019-1672-7.

<https://www.nature.com/articles/s41586-019-1672-7>

Lee-Six H, Treger TD, Dave M, Coorens TH, Anderson ND, Tiersma Y, Derakhshan S, de Haan S, van den Heuvel-Eibrink MM, Wang Y, Wenger A, Al-Saadi R, Lawford A, Letunovska A, Wegert J, Parks C, Morcrette G, Gessler M, Vujanic G, Chowdhury T, J O'Sullivan M, de Krijger RR, Stratton MR, Pritchard-Jones K, Hutchinson JC, Drost J, Behjati S:

High resolution clonal architecture of hypomutated Wilms tumours

Nat Commun. 2025 May 29;16(1):4647. doi: 10.1038/s41467-025-59854-4.

<https://doi.org/10.1038/s41467-025-59854-4>

Leone, F., Cavalloni, G., Pignochino, Y., Sarotto, I., Ferraris, R., Piacibello, W., Venesio, T., Capussotti, L., Risio, M., and Aglietta, M.:

Somatic mutations of epidermal growth factor receptor in bile duct and gallbladder carcinoma

Clin Cancer Res 12(6): 1680-1685 (2006)

<http://clincancerres.aacrjournals.org/content/12/6/1680.long>

Lesellier S, Boschirola ML, Barrat J, Wanke C, Salguero FJ, Garcia-Jimenez WL, Nunez A, Godinho A, Spiropoulos J, Palmer S, Dave D, Anderson P, Boucher JM, de Cruz K, Henault S, Michelet L, Gowtage S, Williams GA, Nadian AK, Monchâtre-Leroy E, Boué F, Chambers MA, Richomme C:

Detection of live *M. bovis* BCG in tissues and IFN- γ responses in European badgers (*Meles meles*) vaccinated by oropharyngeal instillation or directly in the ileum.

BMC Vet Res. 2019 Dec 6;15(1):445. doi: 10.1186/s12917-019-2166-4.

<https://link.springer.com/content/pdf/10.1186%2Fs12917-019-2166-4.pdf>

Letellier E, Schmitz M, Baig K, Beaume N, Schwartz C, Frاسquilho S, Antunes L, Marcon N, Nazarov PV, Vallar L, Even J, Haan S:

Identification of SOCS2 and SOCS6 as biomarkers in human colorectal cancer

Br J Cancer. 2014 Jul 15. doi: 10.1038/bjc.2014.377.

<http://dx.doi.org/10.1038/bjc.2014.377>

Li D, Xu ZP, Liu JM, Pu XY, Luo YX, Zheng XG:

Restriction landmark genomic scanning for screening aberrant CpG methylations in prostate cancer

Nan Fang Yi Ke Da Xue Xue Bao. 2016 Jan 20;36(1):103-8. (Article in Chinese)

<http://www.ncbi.nlm.nih.gov/pubmed/26806748>

Li G, Zhang Z, Jin T, Liang H, Tu Y, Gong L, Chen Z, Gao G:

High frequency of the X-chromosome inactivation in young female patients with high-grade glioma

Diagn Pathol. 2013 Jun 19;8(1):101.

<http://www.diagnosticpathology.org/content/8/1/101>

Li L, Antero MF, Zhang M, Chu T, Seckin T, Ayhan A, Pisanic T, Wang TL, Cope L, Segars J, Shih IM:

Mutation and methylation profiles of ectopic and eutopic endometrial tissues

J Pathol. 2021 Dec;255(4):387-398. doi: 10.1002/path.5778.

<https://doi.org/10.1002/path.5778>

Li Q, Li M, Ma L, Li W, Wu X, Richards J, Fu G, Xu W, Bythwood T, Li X, Wang J, Song Q:

A method to evaluate genome-wide methylation in archival formalin-fixed, paraffin-embedded ovarian epithelial cells

PLoS One. 2014 Aug 18;9(8):e104481. doi: 10.1371/journal.pone.0104481. eCollection 2014.

<http://dx.plos.org/10.1371/journal.pone.0104481>

Li Q, Xue X, Li W, Wang Q, Han L, Brunson T, Xu W, Chambers-Harris I, Wang Q, Li X, Ma L, Song Q:

Heterogeneous DNA methylation status in same-cell subpopulations of ovarian cancer tissues

Tumour Biol. 2017 Jun;39(6):1010428317701650. doi: 10.1177/1010428317701650.

<https://dx.doi.org/10.1177/1010428317701650>

Li R, Du Y, Chen Z, Xu D, Lin T, Jin S, Wang G, Liu Z, Lu M, Chen X, Xu T, Bai F:

Macroscopic somatic clonal expansion in morphologically normal human urothelium

Science. 2020 Oct 2;370(6512):82-89. doi: 10.1126/science.aba7300.

<https://science.sciencemag.org/content/370/6512/82.abstract>

Li R, Ferdinand JR, Loudon KW, Bowyer GS, Laidlaw S, Muyas F, Mamanova L, Neves JB, Bolt L, Fasouli ES, Lawson ARJ, Young MD, Hooks Y, Oliver TRW, Butler TM, Armitage JN, Aho T, Riddick ACP, Gnanapragasam V, Welsh SJ, Meyer KB, Warren AY, Tran MGB, Stewart GD, Cortés-Ciriano I, Behjati S, Clatworthy MR, Campbell PJ, Teichmann SA, Mitchell TJ:

Mapping single-cell transcriptomes in the intra-tumoral and associated territories of kidney cancer

Cancer Cell. 2022 Nov 16:S1535-6108(22)00548-7. doi: 10.1016/j.ccell.2022.11.001.

<https://doi.org/10.1016/j.ccell.2022.11.001>

Li, Y., Wang, J., Zhu, G., Zhang, X., Zhai, H., Zhang, W., Wang, W., and Huang, G.:

Detection of parvovirus B19 nucleic acids and expression of viral VP1/VP2 antigen in human colon carcinoma

Am J Gastroenterol 102(7): 1489-1498 (2007)

<http://www.nature.com/ajg/journal/v102/n7/full/ajg2007292a.html>

Licht-Mayer S, Campbell GR, Canizares M, Mehta AR, Gane AB, McGill K, Ghosh A, Fullerton A, Menezes N, Dean J, Dunham J, Al-Azki S, Pryce G, Zandee S, Zhao C, Kipp M, Smith KJ, Baker D, Altmann D, Anderton SM, Kap YS, Laman JD, Hart BA', Rodriguez M, Watzlawick R, Schwab JM, Carter

R, Morton N, Zagnoni M, Franklin RJM, Mitchell R, Fleetwood-Walker S, Lyons DA, Chandran S, Lassmann H, Trapp BD, Mahad DJ:

Enhanced axonal response of mitochondria to demyelination offers neuroprotection: implications for multiple sclerosis

Acta Neuropathol. 2020 Jun 22. doi: 10.1007/s00401-020-02179-x.
<https://link.springer.com/content/pdf/10.1007/s00401-020-02179-x.pdf>

Lin CS, Wang LS, Chou TY, Hsu WH, Lin HC, Lee SY, Lee MH, Chang SC, Wei YH :

Cigarette Smoking and hOGG1 Ser326Cys Polymorphism are Associated with 8-OHdG Accumulation on Mitochondrial DNA in Thoracic Esophageal Squamous Cell Carcinoma

Ann Surg Oncol. 2012 Sep 1.
<http://dx.doi.org/10.1245/s10434-012-2576-z>

Lin J, Peng X, Dong K, Long J, Guo X, Li H, Bai Y, Yang X, Wang D, Lu X, Mao Y, Sang X, Ji X, Zhao H, Liang H:

Genomic characterization of co-existing neoplasia and carcinoma lesions reveals distinct evolutionary paths of gallbladder cancer

Nat Commun. 2021 Aug 6;12(1):4753. doi: 10.1038/s41467-021-25012-9.
<https://www.nature.com/articles/s41467-021-25012-9>

Lin Y, Jiang X, Shen Y, Li M, Ma H, Xing M, Lu Y:

Frequent mutations and amplifications of the PIK3CA gene in pituitary tumors

Endocr Relat Cancer 16(1):301-10 (2009)
<http://erc.endocrinology-journals.org/cgi/content/abstract/16/1/301>

Lipata F, Parkash V, Talmor M, Bell S, Chen S, Maric V, Hui P:

Precise DNA genotyping diagnosis of hydatidiform mole

Obstet Gynecol. 2010 Apr;115(4):784-94.
http://journals.lww.com/greenjournal/Abstract/2010/04000/Precise_DNA_Genotyping_Diagnosis_of_Hydatidiform.18.aspx

Liu D, Xu X, Wen J, Xie L, Zhang J, Shen Y, Jiang G, Chen J, Fan M:

Integrated Genome-wide Analysis of Gene Expression and DNA Copy Number Variations Highlights Stem Cell Related Pathways in Small Cell Esophageal Carcinoma

<http://downloads.hindawi.com/journals/sci/aip/3481783.pdf>

Liu H, Gao J, Feng M, Cheng J, Tang Y, Cao Q, Zhao Z, Meng Z, Zhang J, Zhang G, Zhang C, Zhao M, Yan Y, Wang Y, Xue R, Zhang N, Li H:

Integrative molecular and spatial analysis reveals evolutionary dynamics and tumor-immune interplay of in situ and invasive acral melanoma

Cancer Cell. 2024 May 9:S1535-6108(24)00136-3. doi: 10.1016/j.ccell.2024.04.012.
<https://doi.org/10.1016/j.ccell.2024.04.012>

Liu WB, Ao L, Zhou ZY, Cui ZH, Zhou YH, Yuan XY, Xiang YL, Cao J, Liu JY:

CpG island hypermethylation of multiple tumor suppressor genes associated with loss of their protein expression during rat lung carcinogenesis induced by 3-methylcholanthrene and diethylnitrosamine

Biochem Biophys Res Commun. 2010 Nov 19;402(3):507-14
<http://dx.doi.org/10.1016/j.bbrc.2010.10.061>

Liu Y, Eastwood JD, Alba DE, Velmurugan S, Sun N, Porciatti V, Lee RK, Hauswirth WW, Guy J, Yu H:

Gene therapy restores mitochondrial function and protects retinal ganglion cells in optic neuropathy induced by a mito-targeted mutant ND1 gene

Gene Ther. 2022 Apr 6. doi: 10.1038/s41434-022-00333-6.
<https://www.nature.com/articles/s41434-022-00333-6>

Liu Z, Brown A, Fisher D, Wu Y, Warren J, Cui X:

Tissue Specific Expression of Cre in Rat Tyrosine Hydroxylase and Dopamine Active Transporter-Positive Neurons

PLoS One. 2016 Feb 17;11(2):e0149379. doi: 10.1371/journal.pone.0149379. eCollection 2016.

<http://dx.plos.org/10.1371/journal.pone.0149379>

Locatelli-Sanchez M, Couraud S, Arpin D, Riou R, Bringuier PP, Souquet PJ :

Routine EGFR Molecular Analysis in Non-Small-Cell Lung Cancer Patients is Feasible: Exons 18-21 Sequencing Results of 753 Patients and Subsequent Clinical Outcomes

Lung. 2013 Jun 9.

<http://dx.doi.org/10.1007/s00408-013-9482-4>

Lomakin A, Svedlund J, Strell C, Gataric M, Shmatko A, Rukhovich G, Park JS, Ju YS, Dentre S, Kleshchevnikov V, Vaskivskiy V, Li T, Bayraktar OA, Pinder S, Richardson AL, Santagata S, Campbell PJ, Russnes H, Gerstung M, Nilsson M, Yates LR:

Spatial genomics maps the structure, nature and evolution of cancer clones

Nature. 2022 Nov 9. doi: 10.1038/s41586-022-05425-2.

<https://www.nature.com/articles/s41586-022-05425-2>

Longley MJ, Clark S, Yu Wai Man C, Hudson G, Durham SE, Taylor RW, Nightingale S, Turnbull DM, Copeland WC, Chinnery PF:

Mutant POLG2 disrupts DNA polymerase gamma subunits and causes progressive external ophthalmoplegia

Am J Hum Genet. 2006 Jun;78(6):1026-34.

[http://linkinghub.elsevier.com/retrieve/pii/S0002-9297\(07\)63923-8](http://linkinghub.elsevier.com/retrieve/pii/S0002-9297(07)63923-8)

Lozada JR, Geyer FC, Selenica P, Brown D, Alemar B, Merghoub T, Berger MF, Busam KJ, Halpern AC, Weigelt B, Reis-Filho JS, Hollmann TJ:

Massively Parallel Sequencing Analysis of Benign Melanocytic Nevi

Histopathology. 2019 Feb 21. doi: 10.1111/his.13843.

<https://onlinelibrary.wiley.com/doi/pdf/10.1111/his.13843>

Lucchini V:

Il difetto ossidativo mitocondriale e le alterazioni del DNA mitocondriale in topi transgenici modello animale della Atassia Spinocerebellare di tipo 1

Tesi di Dottorato, PhD thesis

http://air.unimi.it/bitstream/2434/169922/4/phd_unimi_R08149.pdf

Lynch L, Gamblin A, Vintiner S, Simons JL:

STR profiling of epithelial cells identified by X/Y-FISH labelling and laser microdissection using standard and elevated PCR conditions

Forensic Sci Int Genet. 2014 Oct 25;16C:1-7. doi: 10.1016/j.fsigen.2014.10.017.

[http://linkinghub.elsevier.com/retrieve/pii/S1872-4973\(14\)00233-6](http://linkinghub.elsevier.com/retrieve/pii/S1872-4973(14)00233-6)

Ma L, Li W, Song Q:

Chromosome-Range Whole-Genome High-Throughput Experimental Haplotyping by Single-Chromosome Microdissection

Methods Mol Biol. 2017;1551:161-169. doi: 10.1007/978-1-4939-6750-6_9.

http://link.springer.com/protocol/10.1007/978-1-4939-6750-6_9

Ma L, Xiao Y, Huang H, Wang Q, Rao W, Feng Y, Zhang K, Song Q:

Direct determination of molecular haplotypes by chromosome microdissection

Nat Methods 7(4):299-301 (2010)

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2871314/>

Ma M, Liu L, Shi R, Zhang J, Li X, LiX, Bai J, Wang J, Huang Y, Li T:

Copy number alteration profiling facilitates differential diagnosis between ossifying fibroma and fibrous dysplasia of the jaws

Int J Oral Sci. 2021 Jun 30;13(1):21. doi: 10.1038/s41368-021-00127-3.

<https://www.nature.com/articles/s41368-021-00127-3>

Maag NG:

Analyse der molekularen Heterogenität solider Tumoren unter Verwendung der Lasermikrodissektion am Beispiel des kolorektalen Karzinoms

Thesis, 2022 (German language)

<https://oparu.uni-ulm.de/xmlui/handle/123456789/51173>

Machado, R.D., James, V., Southwood, M., Harrison, R.E., Atkinson, C., Stewart, S., Morrell, N.W., Trembath, R.C., and Aldred, M.A.:

Investigation of second genetic hits at the BMPR2 locus as a modulator of disease progression in familial pulmonary arterial hypertension

Circulation 111(5): 607-613 (2005)

<http://circ.ahajournals.org/cgi/content/full/111/5/607>

Makita K, Kitazawa R, Semba S, Fujiishi K, Nakagawa M, Haraguchi R, Kitazawa S:

Cdx2 expression and its promoter methylation during metaplasia-dysplasia-carcinoma sequence in Barrett's esophagus

World J Gastroenterol. 2013 Jan 28;19(4):536-41. doi: 10.3748/wjg.v19.i4.536.

<http://www.wjgnet.com/1007-9327/full/v19/i4/536.htm>

Makohon-Moore AP, Matsukuma K, Zhang M, Reiter JG, Gerold JM, Jiao Y, Sikkema L, Attiyeh MA, Yachida S, Sandone C, Hruban RH, Klimstra DS, Papadopoulos N, Nowak MA, Kinzler KW, Vogelstein B, Iacobuzio-Donahue CA:

Precancerous neoplastic cells can move through the pancreatic ductal system

Nature. 2018 Sep;561(7722):201-205. doi: 10.1038/s41586-018-0481-8

<http://dx.doi.org/10.1038/s41586-018-0481-8>

Markaryan, A., Nelson, E.G., and Hinojosa, R.:

Detection of mitochondrial DNA deletions in the cochlea and its structural elements from archival human temporal bone tissue

Mutat Res 640(1-2): 38-45 (2008)

<http://dx.doi.org/10.1016/j.mrfmmm.2007.12.007>

Markaryan A, Nelson EG, Hinojosa R:

Major arc mitochondrial DNA deletions in cytochrome c oxidase-deficient human cochlear spiral ganglion cells

Acta Otolaryngol. 2010 Jul;130(7):780-7

<http://informahealthcare.com/doi/abs/10.3109/00016480903397702>

Martins-Filho SN, Alves VAF, Wakamatsu A, Maeda M, Craig AJ, Assato AK, Villacorta-Martin C, D'Avola D, Labgaa I, Carrilho FJ, Thung SN, Villanueva A:

A phenotypic map of disseminated hepatocellular carcinoma suggests clonal constraints in metastatic sites

Histopathology. 2019 Jan 12. doi: 10.1111/his.13809.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/his.13809>

Masuda K, Urabe Y, Ito M, Ono A, Clair Nelson H, Nakamura K, Kotachi T, Boda T, Tanaka S, Chayama K

Genomic landscape of epithelium with low-grade atypia on gastric cancer after Helicobacter pylori eradication therapy

J Gastroenterol. 2019 Jun 13. doi: 10.1007/s00535-019-01596-4.
<https://link.springer.com/article/10.1007/s00535-019-01596-4>

Masuda M, Iida K, Iwabuchi S, Tanaka M, Kubota S, Uematsu H, Onuma K, Kukita Y, Kato K, Kamiura S, Nakajima A, Coppo R, Kanda M, Yoshino K, Ueda Y, Morii E, Kimura T, Kondo J, Okada-Hatakeyama M, Hashimoto S, Inoue M:

Clonal origin and lineage ambiguity in mixed neuroendocrine carcinoma of the uterine cervix

Am J Pathol. 2023 Dec 14:S0002-9440(23)00458-3. doi: 10.1016/j.ajpath.2023.11.013.

<https://doi.org/10.1016/j.ajpath.2023.11.013>

Masuike Y, Tanaka K, Makino T, Yamasaki M, Miyazaki Y, Takahashi T, Kurokawa Y, Nakajima K, Mori M, Doki Y:

Esophageal squamous cell carcinoma with low mitochondrial copy number has mesenchymal and stem-like characteristics, and contributes to poor prognosis

PLoS One. 2018 Feb 15;13(2):e0193159. doi: 10.1371/journal.pone.0193159. eCollection 2018.

<http://dx.plos.org/10.1371/journal.pone.0193159>

Matsui H, Eguchi H, Okazaki Y, Hirayama Y, Nibu KI, Shinomiya H:

Comparison of Somatic Mutations in Primary Squamous Cell Carcinomas of the Hypopharynx and the Esophagus Developed in Individual Patients

Head Neck. 2025 Jun 19. doi: 10.1002/hed.28220.

<https://doi.org/10.1002/hed.28220>

Matsui S, Kagara N, Mishima C, Naoi Y, Shimoda M, Shimomura A, Shimazu K, Kim SJ, Noguchi S:

Methylation of the SEPT9_v2 promoter as a novel marker for the detection of circulating tumor DNA in breast cancer patients

Oncol Rep. 2016 Aug 4. doi: 10.3892/or.2016.5004.

<http://www.spandidos-publications.com/10.3892/or.2016.5004>

Matsumoto K, Urabe Y, Oka S, Inagaki K, Tanaka H, Yuge R, Hayashi R, Kitadai Y, Arihiro K, Shimamoto F, Tanaka S, Chayama K:

Genomic Landscape of Early-stage Colorectal Neoplasia Developing From the Ulcerative Colitis Mucosa in the Japanese Population

Inflamm Bowel Dis. 2020 Oct 22:izaa268. doi: 10.1093/ibd/izaa268.

<https://academic.oup.com/ibdjournal/advance-article-abstract/doi/10.1093/ibd/izaa268/5934978>

Matsunoki A, Kawakami K, Kotake M, Kaneko M, Kitamura H, Ooi A, Watanabe G, Minamoto T:

LINE-1 methylation shows little intra-patient heterogeneity in primary and synchronous metastatic colorectal cancer

BMC Cancer. 2012 Dec 5;12(1):574.

<http://www.biomedcentral.com/content/pdf/1471-2407-12-574.pdf>

Matsuo H, Shiga S, Imai T, Kamikubo Y, Toki T, Terui K, Ito E, Adachi S

Purification of leukemic blast cells from blood smears using laser microdissection

Int J Hematol. 2017 Apr 13. doi: 10.1007/s12185-017-2227-z.

<https://dx.doi.org/10.1007/s12185-017-2227-z>

Mazzanti CM, Hamad MA, Fanelli G, Scatena C, Zammarchi F, Zavaglia K, Lessi F, Pistello M, Naccarato AG, Bevilacqua G:

A Murine Mammary Tumor Virus env-Like Exogenous Sequence Is Strictly Related to Progression of Human Sporadic Breast Carcinoma

Am J Pathol. 2011 Aug 17. doi:10.1016/j.ajpath.2011.06.046

<http://www.sciencedirect.com/science/article/pii/S0002944011006961>

Mennuni M, Wilkie SE, Michon P, Alsina D, Filograna R, Lindberg M, Sanin DE, Rosenberger F, Schaaf A, Larsson E, Pearce EL, Larsson NG:

High mitochondrial DNA levels accelerate lung adenocarcinoma progression

Sci Adv. 2024 Nov;10(44):eadp3481. doi: 10.1126/sciadv.adp3481.

<https://doi.org/10.1126/sciadv.adp3481>

Miyaguchi K, Fukuoka Y, Mizushima H, Yasen M, Nemoto S, Ishikawa T, Uetake H, Tanaka S, Sugihara K, Arai S, Tanaka H:

Genome-wide integrative analysis revealed a correlation between lengths of copy number segments and corresponding gene expression profile

Bioinformatics. 2011;7(6):280-4. Epub 2011 Nov 20.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3280495/pdf/97320630007280.pdf>

Miyai K, Yonekura Y, Ito K, Matsukuma S, Tsuda H :

Gene expression microarray analysis of adult testicular germ cell tumor: a comparison between pure-type seminomas and seminoma components in mixed tumors

Virchows Arch. 2021 Aug 4. doi: 10.1007/s00428-021-03168-5.

<https://link.springer.com/article/10.1007/s00428-021-03168-5>

Miyamoto T, Ida K, Tanaka Y, Asaka S, and Shiozawa T:

Whole-exome Sequence Analysis of Gastric-type Adenocarcinoma of the Uterine Cervix and Adjacent Lobular Endocervical Glandular Hyperplasia in the Same Case

International Journal of Gynecological Pathology ():10.1097/PGP.0000000000001052, July 29, 2024.

<https://dx.doi.org/10.1097/PGP.0000000000001052>

Miyauchi T, Takahashi M, Mitsuzuka K, Saiki Y, Okubo T, Vertino PM, Goto A, Arai Y, Horii A, and Fukushima S:

Aberrant Hypermethylation-Mediated Suppression of PYCARD Is Extremely Frequent in Prostate Cancer with Gleason Score ≥ 7

Disease Markers, 04 Feb 2021 | Volume 2021 | Article ID 8858905

<https://doi.org/10.1155/2021/8858905>

Molijn A, Jenkins D, Chen W, Zhang X, Pirog E, Enqi W, Liu B, Schmidt J, Cui J, Qiao Y, Quint W:

The complex relationship between human papillomavirus and cervical adenocarcinoma

Int J Cancer. 2015 Aug 8. doi: 10.1002/ijc.29722.

<http://dx.doi.org/10.1002/ijc.29722>

Monsur M, Yamaguchi M, Tashiro H, Yoshinobu K, Saito F, Erdenebaatar C, Li C, Iwagoi Y, Ohba T, Iyama KI, Katabuchi H

Endometrial cancer with a POLE mutation progresses frequently through the type I pathway despite its high-grade endometrioid morphology: a cohort study at a single institution in Japan

Med Mol Morphol. 2021 Jan 5. doi: 10.1007/s00795-020-00273-3.

<https://link.springer.com/article/10.1007/s00795-020-00273-3>

Moore L, Leongamornlert D, Coorens THH, Sanders MA, Ellis P, D'Ento SC, Dawson KJ, Butler T, Rahbari R, Mitchell TJ, Maura F, Nangalia J, Tarpey PS, Brunner SF, Lee-Six H, Hooks Y, Moody S, Mahbubani KT, Jimenez-Linan M, Brosens JJ, Iacobuzio-Donahue CA, Martincorena I, Saeb-Parsy K, Campbell PJ, Stratton MR:

The mutational landscape of normal human endometrial epithelium.

Nature. 2020 Apr;580(7805):640-646. doi: 10.1038/s41586-020-2214-z.

<https://doi.org/10.1038/s41586-020-2214-z>

Mori D, Miyagawa S, Kawamura T, Yoshioka D, Hata H, Ueno T, Toda K, Kuratani T, Oota M, Kawai K, Kurata H, Nishida H, Harada A, Toyofuku T, and Sawa Y:

Mitochondrial Transfer through Pericardium Contributes to Functional Recovery in Ischemic Cardiomyopathy

ResearchSquare.com, 2020, DOI: <https://doi.org/10.21203/rs.3.rs-107042/v1>
<https://www.researchsquare.com/article/rs-107042/latest.pdf>

Müller JN, Falk M, Talwar J, Neemann N, Mariotti E, Bertrand M, Zacherle T, Lakis S, Menon R, Gloeckner C, Tiemann M, Heukamp LC, Thomas RK, Griesinger F, Heuckmann JM:

Concordance between comprehensive cancer genome profiling in plasma and tumor specimens

J Thorac Oncol. 2017 Jul 24. pii: S1556-0864(17)30611-1. doi: 10.1016/j.jtho.2017.07.014.
<http://www.sciencedirect.com/science/article/pii/S1556086417306111#!>

Müller SK, Bender A, Laub C, Högen T, Schlaudraff F, Liss B, Klopstock T, Elstner M:

Lewy body pathology is associated with mitochondrial DNA damage in Parkinson's disease

Neurobiol Aging. 2013 Apr 6. pii: S0197-4580(13)00116-4. doi: 10.1016/j.neurobiolaging.2013.03.016.
<http://www.sciencedirect.com/science/article/pii/S0197458013001164>

Muller, A., Giuffre, G., Edmonston, T.B., Mathiak, M., Roggendorf, B., Heinmoller, E., Brodegger, T., Tuccari, G., Mangold, E., Buettner, R., and Ruschoff, J.:

Challenges and pitfalls in HNPCC screening by microsatellite analysis and immunohistochemistry

J Mol Diagn 6(4): 308-315 (2004)
<http://www.journals.elsevierhealth.com/periodicals/jmdi/article/S1525-1578%2810%2960526-0/abstract>

Murakami I, Matsushita M, Iwasaki T, Kuwamoto S, Kato M, Horie Y, Hayashi K, Imamura T, Morimoto A, Imashuku S, Gogusev J, Jaubert F, Takata K, Oka T, Yoshino T:

Merkel cell polyomavirus DNA sequences in peripheral blood and tissues from patients with Langerhans cell histiocytosis

Hum Pathol. 2014 Jan;45(1):119-26. doi: 10.1016/j.humpath.2013.05.028.
<http://www.humanpathol.com/article/S0046-8177%2813%2900367-5/abstract>

Murakami K, Hata S, Ishibashi N, Kubota M, Eishi Y, Uchida K, Tabata T, Nakamura Y, Murakami K :

A Solitary Necrotizing Sarcoid Granulomatosis-like Pulmonary Lesion Possibly Associated with Propionibacterium Acnes and Mycobacterium Avium.

Intern Med. 2021 Jun 12. doi: 10.2169/internalmedicine.7162-21.
https://www.jstage.jst.go.jp/article/internalmedicine/advpub/0/advpub_7162-21/_pdf

Murakami K, Kanto A, Sakai K, Miyagawa C, Takaya H, Nakai H, Kotani Y, Nishio K, Matsumura N:

Frequent PIK3CA mutations in eutopic endometrium of patients with ovarian clear cell carcinoma

bioRxiv, Mar 2021, doi: <https://doi.org/10.1101/2021.02.25.432943>
<https://www.biorxiv.org/content/biorxiv/early/2021/02/25/2021.02.25.432943.full.pdf>

Murata, N., Masuda, K., Nishiyama, R., and Nomura, K.:

Construction of a micro-library enriched with genomic replication origins of carrot somatic embryos by laser microdissection

Plant Physiol Biochem 43(6): 513-519 (2005)
<http://dx.doi.org/10.1016/j.plaphy.2005.04.004>

Murphy JL, Ratnaike TE, Shang E, Falkous G, Blakely EL, Alston CL, Taivassalo T, Haller RG, Taylor RW, Turnbull DM:

Cytochrome c oxidase-intermediate fibres: Importance in understanding the pathogenesis and treatment of mitochondrial myopathy

Neuromuscul Disord. 2012 May 28. [Epub ahead of print]
<http://www.sciencedirect.com/science/article/pii/S0960896612001204>

Nagahara, H., Mimori, K., Ohta, M., Utsunomiya, T., Inoue, H., Barnard, G.F., Ohira, M., Hirakawa, K., and Mori, M.:

Somatic mutations of epidermal growth factor receptor in colorectal carcinoma

Clin Cancer Res 11(4): 1368-1371 (2005)

<http://clincancerres.aacrjournals.org/content/11/4/1368.long>

Nakamura K, Nakayama K, Ishibashi T, Ishikawa N, Ishikawa M, Katagiri H, Minamoto T, Sato E, Sanuki K, Yamashita H, Iida K, Sultana R, Kyo S:

KRAS/BRAF Analysis in Ovarian Low-Grade Serous Carcinoma Having Synchronous All Pathological Precursor Regions

Int J Mol Sci. 2016 Apr 26;17(5). pii: E625. doi: 10.3390/ijms17050625.

<http://www.mdpi.com/resolver?pii=ijms17050625>

Nakashima Y, Egami Y, Kimura M, Wakimoto T, Abe I:

Metagenomic Analysis of the Sponge Discodermia Reveals the Production of the Cyanobacterial Natural Product Kasumigamide by 'Entotheonella'

PLoS One. 2016 Oct 12;11(10):e0164468. doi: 10.1371/journal.pone.0164468. eCollection 2016.

<http://dx.plos.org/10.1371/journal.pone.0164468>

Nakayama M, Pyo Hong C, Oshima H, Sakai E, Kim S-J, Oshima M:

Loss of wild-type p53 promotes mutant p53-driven metastasis through acquisition of survival and tumor-initiating properties

Nat Commun. 2020 May 11;11(1):2333. doi: 10.1038/s41467-020-16245-1.

<https://www.nature.com/articles/s41467-020-16245-1>

Nakayama T, Ling ZQ, Mukaisho K, Hattori T, Sugihara H:

Lineage analysis of early and advanced tubular adenocarcinomas of the stomach: continuous or discontinuous?

BMC Cancer. 2010 Jun 21;10:311

<http://www.biomedcentral.com/1471-2407/10/311/>

Nancollis G, England R, Harbison SA:

Establishing the limit of detection of massively parallel sequencing using laser micro-dissected cells

Forensic Science International: Genetics Supplement Series, Sep 2017

[http://www.fsigeneticssup.com/article/S1875-1768\(17\)30174-9/abstract](http://www.fsigeneticssup.com/article/S1875-1768(17)30174-9/abstract)

Narikiyo M, Yano M, Kamada K, Katoh T, Ito K, Shuto M, Kayano H, Yasuda M

Molecular association of functioning stroma with carcinoma cells in the ovary: A preliminary study

Oncol Lett. 2019 Mar;17(3):3562-3568. doi: 10.3892/ol.2019.9992.

<https://www.spandidos-publications.com/10.3892/ol.2019.9992>

Nguyen TB, Sakata-Yanagimoto M, Asabe Y, Matsubara D, Kano J, Yoshida K, Shiraishi Y, Chiba K, Tanaka H, Miyano S, Izutsu K, Nakamura N, Takeuchi K, Miyoshi H, Ohshima K, Minowa T, Ogawa S, Noguchi M, and Chiba S:

Identification of cell-type-specific mutations in nodal T-cell lymphomas

Blood Cancer Journal (2017)7, e516; doi:10.1038/bcj.2016.122

<http://www.nature.com/bcj/journal/v7/n1/pdf/bcj2016122a.pdf>

Nguyen TT, Hachisuga T, Urabe R, Kurita T, Kagami S, Kawagoe T, Shimajiri S, Nabeshima K:

Significance of p53 expression in background endometrium in endometrial carcinoma

Virchows Arch. 2015 Jun;466(6):695-702. doi: 10.1007/s00428-015-1752-5.

<http://dx.doi.org/10.1007/s00428-015-1752-5>

Nishimura T, Kakiuchi N, Yoshida K, Sakurai T, Kataoka TR, Kondoh E, Chigusa Y, Kawai M, Sawada M, Inoue T, Takeuchi Y, Maeda H, Baba S, Shiozawa Y, Saiki R, Nakagawa MM, Nannya Y, Ochi Y, Hirano T, Nakagawa T, Inagaki-Kawata Y, Aoki K, Hirata M, Nanki K, Matano M, Saito M, Suzuki E, Takada M,

Kawashima M, Kawaguchi K, Chiba K, Shiraishi Y, Takita J, Miyano S, Mandai M, Sato T, Takeuchi K, Haga H, Toi M, Ogawa S:

Evolutionary histories of breast cancer and related clones

Nature. 2023 Jul 26. doi: 10.1038/s41586-023-06333-9.

<https://doi.org/10.1038/s41586-023-06333-9>

Nishimura T, Eijitsu R, Inoue S, Kawazu M, Ueno T, Namikawa K, Takahashi A, Ogata D, Yoshida A, Yamazaki N, Mano H, Yatabe Y, Mori T:

Strategic approach to heterogeneity analysis of cutaneous adnexal carcinomas using computational pathology and genomics

JID Innovations, Skin Science from Molecules to Population Health, 05 Sep 2023

<https://doi.org/10.1016/j.xjidi.2023.100229>

Nishino K, Yamamoto E, Oda Y, Watanabe E, Niimi K, Yamamoto T, Kajiyama H:

Short tandem repeat analysis to identify the causative pregnancy of high-risk gestational trophoblastic neoplasia: molar versus nonmolar pregnancy and its relation to the outcome

Placenta, Available online 2 July 2021, DOI: <https://doi.org/10.1016/j.placenta.2021.06.015>

<https://www.sciencedirect.com/science/article/pii/S0143400421001880>

Nishio M, Kunisaki R, Shibata W, Ajioka Y, Hirasawa K, Takase A, Chiba S, Inayama Y, Ueda W, Okawa K, Otake H, Ogashiwa T, Kinoshita H, Saigusa Y, Kimura H, Kato J, Maeda S:

Serrated polyps in patients with ulcerative colitis: Unique clinicopathological and biological characteristics

PLoS One. 2023 Feb 24;18(2):e0282204. doi: 10.1371/journal.pone.0282204.

<https://doi.org/10.1371/journal.pone.0282204>

Noë M, Niknafs N, Fischer CG, Hackeng WM, Beleva Guthrie V, Hosoda W, Debeljak M, Papp E, Adleff V, White JR, Luchini C, Pea A, Scarpa A, Butturini G, Zamboni G, Castelli P, Hong SM, Yachida S, Hiraoka N, Gill AJ, Samra JS, Offerhaus GJA, Hoorens A, Verheij J, Jansen C, Adsay NV, Jiang W, Winter J, Albores-Saavedra J, Terris B, Thompson ED, Roberts NJ, Hruban RH, Karchin R, Scharpf RB, Brosens LAA, Velculescu VE, Wood LD:

Genomic characterization of malignant progression in neoplastic pancreatic cysts

Nat Commun. 2020 Aug 14;11(1):4085. doi: 10.1038/s41467-020-17917-8.

<https://doi.org/10.1038/s41467-020-17917-8>

Noguchi R, Yamaguchi K, Yano H, Gohda Y, Kiyomatsu T, Ota Y, Igari T, Takahashi N, Ohsugi T, Takane K, Ikenoue T, Niida A, Shimizu E, Yamaguchi R, Miyano S, Imoto S, Furukawa Y:

Cell of origin and expression profiles of pseudomyxoma peritonei derived from the appendix

Pathol Res Pract. 2024 Dec 21;266:155776. doi: 10.1016/j.prp.2024.155776.

<https://doi.org/10.1016/j.prp.2024.155776>

Noguchi R, Yano H, Gohda Y, Suda R, Igari T, Ohta Y, Yamashita N, Yamaguchi K, Terakado Y, Ikenoue T, Furukawa Y:

Molecular profiles of high-grade and low-grade pseudomyxoma peritonei

Cancer Med. 2015 Oct 16. doi: 10.1002/cam4.542.

<http://dx.doi.org/10.1002/cam4.542>

Notta F, Chan-Seng-Yue M, Lemire M, Li Y, Wilson GW, Connor AA, Denroche RE, Liang SB, Brown AM, Kim JC, Wang T, Simpson JT, Beck T, Borgida A, Buchner N, Chadwick D, Hafezi-Bakhtiari S, Dick JE, Heisler L, Hollingsworth MA, Ibrahimov E, Jang GH, Johns J, Jorgensen LG, Law C, Ludkovski O, Lungu I, Ng K, Pasternack D, Petersen GM, Shlush LI, Timms L, Tsao MS, Wilson JM, Yung CK, Zogopoulos G, Bartlett JM, Alexandrov LB, Real FX, Cleary SP, Roehrl MH, McPherson JD, Stein LD, Hudson TJ, Campbell PJ, Gallinger S:

A renewed model of pancreatic cancer evolution based on genomic rearrangement patterns

Nature. 2016 Oct 12. doi: 10.1038/nature19823.

<http://dx.doi.org/10.1038/nature19823>

Oh MS:

Immunologic response to a CCL21-gene modified dendritic cell vaccine in non-small cell lung cancer

Thesis, 2025

<https://escholarship.org/uc/item/2v441432>

Ohashi R, Umezu H, Sato A, Abé T, Kondo S, Daigo K, Sato S, Hara N, Miyashita A, Ikeuchi T, Motoyama T, Kishi M, Nagaoka T, Horiuchi K, Shiga A, Okuda S, Sekiya T, Ohtsubo A, Ichikawa K, Kagamu H, Kikuchi T, Watanabe S, Tanuma JI, Schraml P, Hamakubo T, Tsuchida M, Ajioka Y:
Frequent Germline and Somatic Single Nucleotide Variants in the Promoter Region of the Ribosomal RNA Gene in Japanese Lung Adenocarcinoma Patients

Cells. 2020 Nov 3;9(11):E2409. doi: 10.3390/cells9112409.

<https://www.mdpi.com/2073-4409/9/11/2409/htm>

Okamoto T, duVerle D, Yaginuma K, Natsume Y, Yamanaka H, Kusama D, Fukuda M, Yamamoto M, Perraud F, Srivastava U, Kashima Y, Suzuki A, Kuze Y, Takahashi Y, Ueno M, Sakai Y, Noda T, Tsuda K, Suzuki Y, Nagayama S, Yao R:

Comparative Analysis of Patient-Matched PDOs Revealed a Reduction in OLFM4-Associated Clusters in Metastatic Lesions in Colorectal Cancer

Stem Cell Reports. 2021 Mar 2:S2213-6711(21)00092-8. doi: 10.1016/j.stemcr.2021.02.012.

<https://www.sciencedirect.com/science/article/pii/S2213671121000928#mmc1>

Olafsson S, Anderson CA:

Somatic mutations provide important and unique insights into the biology of complex diseases.

Trends Genet. 2021 Jul 3:S0168-9525(21)00168-2. doi: 10.1016/j.tig.2021.06.012.

<https://www.sciencedirect.com/science/article/pii/S0168952521001682>

Olafsson S, McIntyre RE, Coorens T, Butler T, Jung H, Robinson P, Lee-Six H, Sanders MA, Arestang K, Dawson C, Tripathi M, Strongili K, Hooks Y, Stratton MR, Parkes M, Martincorena I, Raine T, Campbell PJ, Anderson CA:

Somatic evolution in non-neoplastic IBD-affected colon

bioRxiv, 12 Mar 2020, doi: <https://doi.org/10.1101/832014>

<https://www.biorxiv.org/content/10.1101/832014v2>

Oliver TRW, Lawson ARJ, Lee-Six H, Tollit A, Jung H, Hooks Y, Sanghvi R, Young MD, Butler TM, Nicola PA, Treger TD, Lensing SV, Burke GAA, Aquilina K, Löbel U, Cortes-Ciriano I, Hargrave D, Jorgensen M, Jessop FA, Coorens THH, Flanagan AM, Allinson K, Martincorena I, Jacques TS, Behjati S:

Cancer-independent somatic mutation of the wild-type NF1 allele in normal tissues in neurofibromatosis type 1

Nat Genet. 2025 Feb 25. doi: 10.1038/s41588-025-02097-2.

<https://doi.org/10.1038/s41588-025-02097-2>

Olpe C, Khamis D, Chukanova M, Skoufou-Papoutsaki N, Kemp R, Marks K, Tatton C, Lindskog C, Nicholson A, Brunton-Sim R, Malhotra S, Hoopen RT, Stanley R, Winton DJ, Morrissey E:

A diffusion-like process accommodates new crypts during clonal expansion in human colonic epithelium.

Gastroenterology. 2021 Apr 22:S0016-5085(21)00659-4. doi: 10.1053/j.gastro.2021.04.035.

[https://www.gastrojournal.org/article/S0016-5085\(21\)00659-4/fulltext](https://www.gastrojournal.org/article/S0016-5085(21)00659-4/fulltext)

Onozato Y, Sasaki Y, Abe Y, Sato H, Yagi M, Mizumoto N, Kon T, Sakai T, Ito M, Umehara M, Koseki A, Ueno Y:

Novel genomic alteration in superficial esophageal squamous cell neoplasms in non-smoker non-drinker females

Sci Rep. 2021 Oct 11;11(1):20150. doi: 10.1038/s41598-021-99790-z.
<https://www.nature.com/articles/s41598-021-99790-z>

Oparka R, Cassidy A, Reilly S, Stenhouse A, McCluggage WG, Herrington CS:
The C134W (402 C>G) FOXL2 mutation is absent in ovarian gynandroblastoma: insights into the genesis of an unusual tumour

Histopathology. 2012 Feb 1. doi: 10.1111/j.1365-2559.2011.04148.x.
<http://dx.doi.org/10.1111/j.1365-2559.2011.04148.x>

Ortega-García MV, Salguero FJ, García N, Domínguez M, Moreno I, Berrocal A :
Equine infection with Leishmania spp. in Costa Rica: Study of five cases.

Vet Med Sci. 2021 Aug 2. doi: 10.1002/vms3.587.
<https://onlinelibrary.wiley.com/doi/epdf/10.1002/vms3.587>

Ortega-García MV, Salguero FJ, Rodríguez-Bertos A, Moreno I, García N, García-Seco T, Luz Torre G, Domínguez L, Domínguez M :

A pathological study of Leishmania infantum natural infection in European rabbits (Oryctolagus cuniculus) and Iberian hares (Lepus granatensis)

Transbound Emerg Dis. 2019 Jul 24. doi: 10.1111/tbed.13305.
<https://doi.org/10.1111/tbed.13305>

Otsubo T, Okamura T, Hagiwara T, Ishizaka Y, Dohi T, Kawamura YI:

Retrotransposition of long interspersed nucleotide element-1 is associated with colitis but not tumors in a murine colitic cancer model

PLoS One. 2015 Feb 24;10(2):e0116072. doi: 10.1371/journal.pone.0116072. eCollection 2015.
<http://dx.plos.org/10.1371/journal.pone.0116072>

Oulhen, M., Tayoun, T., Aberlenc, A., Pawlikowska, P., Farace, F., Cote, R.J., Lianidou, E. (eds):
Insight into Intratumoral Heterogeneity Through Single CTC Sequencing and CDX Analysis

Circulating Tumor Cells. Current Cancer Research. Springer, Cham.
https://doi.org/10.1007/978-3-031-22903-9_12

Oyama H, Tada M, Takagi K, Tateishi K, Hamada T, Nakai Y, Hakuta R, Ijichi H, Ishigaki K, Kanai S, Kogure H, Mizuno S, Saito K, Saito T, Sato T, Suzuki T, Takahara N, Morishita Y, Arita J, Hasegawa K, Tanaka M, Fukayama M, Koike K:

Long-term Risk of Malignancy in Branch Duct Intraductal Papillary Mucinous Neoplasms

Gastroenterology. 2019 Aug 29. pii: S0016-5085(19)41257-2. doi: 10.1053/j.gastro.2019.08.032.
<https://www.sciencedirect.com/science/article/abs/pii/S0016508519412572#!>

Oyama Y, Nishida H, Kusaba T, Kadowaki H, Arakane M, Wada J, Urabe S, Hirano T, Kawano K, Suzuki M, Yokoyama S, Daa T:

Difference in transducin-like enhancer of split 1 protein expression between basal cell adenomas and basal cell adenocarcinomas - an immunohistochemical study

Diagn Pathol. 2018 Jul 27;13(1):48. doi: 10.1186/s13000-018-0726-8.
<https://diagnosticpathology.biomedcentral.com/articles/10.1186/s13000-018-0726-8>

Paasch TP, Jarlstad Olesen MT, García-Rodríguez JL, Assmus AM, Fenton RA, Kjems J, Hager H, Kristensen LS:

ciRS-7 expression is epigenetically regulated in cancer cells across human adenocarcinomas

PLoS Genet. 2025 Jun 2;21(6):e1011726. doi: 10.1371/journal.pgen.1011726.
<https://doi.org/10.1371/journal.pgen.1011726>

Pan Y, Feng C, Wang H, Lee M, Tang Z, Lin Z:

Ichthyosis with confetti caused by new and recurrent mutations in KRT10 associated with varying degrees of keratin 10 mis-localization

Journal of Dermatological Science, Feb 21, 2020; DOI:<https://doi.org/10.1016/j.jdermsci.2020.02.005>
[https://www.jdsjournal.com/article/S0923-1811\(20\)30076-1/fulltext](https://www.jdsjournal.com/article/S0923-1811(20)30076-1/fulltext)

Paranal RM, Jiang Z, Hutchings D, Kryklyva V, Gauthier C, Fujikura K, Nanda N, Huang B, Skaro M, Wolfgang CL, He J, Klimstra DS, Brand RE, Singhi AD, DeMarzo A, Zheng L, Goggins M, Brosens LA, Hruban RH, Klein AP, Lotan T, Wood LD, Roberts NJ:

Somatic loss of ATM is a late event in pancreatic tumorigenesis

J Pathol. 2023 Jun 22. doi: 10.1002/path.6136.

<https://doi.org/10.1002/path.6136>

Pareja F, Ptashkin RN, Brown DN, Derakhshan F, Selenica P, da Silva EM, Gazzo AM, Da Cruz Paula A, Breen K, Shen R, Marra A, Zehir A, Benayed R, Berger MF, Ceyhan-Birsoy O, Jairam S, Sheehan M, Patel U, Kemel Y, Casanova-Murphy J, Schwartz CJ, Vahdatinia M, Comen E, Borsu L, Pei X, Riaz N, Abramson DH, Weigelt B, Walsh MF, Hadjantonakis AK, Ladanyi M, Offit K, Stadler ZK, Robson ME, Reis-Filho JS, Mandelker D:

Cancer Causative Mutations Occurring in Early Embryogenesis

Cancer Discov. 2021 Dec 23:candisc.1110.2021. doi: 10.1158/2159-8290.CD-21-1110.

<https://aacrjournals.org/cancerdiscovery/article/doi/10.1158/2159-8290.CD-21-1110/674551/Cancer-Causative-Mutations-Occurring-in-Early>

Paß T, Ricke KM, Hofmann P, Chowdhury RS, Nie Y, Chinnery P, Endepols H, Neumaier B, Carvalho A, Rigoux L, Steculorum SM, Prudent J, Riemer T, Aswendt M, Liss B, Brachvogel B, Wiesner RJ:

Preserved striatal innervation maintains motor function despite severe loss of nigral dopaminergic neurons

Brain. 2024 Apr 4:awae089. doi: 10.1093/brain/awae089.

<https://doi.org/10.1093/brain/awae089>

Perier C, Bender A, García-Arumí E, Melià MJ, Bové J, Laub C, Klopstock T, Elstner M, Mounsey RB, Teismann P, Prolla T, Andreu AL, Vila M:

Accumulation of mitochondrial DNA deletions within dopaminergic neurons triggers neuroprotective mechanisms

Brain. 2013 Aug;136(Pt 8):2369-78. doi: 10.1093/brain/awt196.

<http://brain.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=23884809>

Perier-Muzet M, Thomas L, Poulalhon N, Debarbieux S, Bringuier PP, Duru G, Depaepe L, Balme B, Dalle S :

Melanoma patients under vemurafenib: prospective follow-up of melanocytic lesions by digital dermoscopy

J Invest Dermatol. 2014 May;134(5):1351-8. doi: 10.1038/jid.2013.462.

<http://dx.doi.org/10.1038/jid.2013.462>

Petersson F, Branzovsky J, Martinek P, Korabecna M, Kruslin B, Hora M, Peckova K, Bauleth K, Pivovarcikova K, Michal M, Svajdler M, Sperga M, Bulimbasic S, Leroy X, Rychly B, Trivunic S, Kokoskova B, Rotterova P, Podhola M, Suster S, Hes O:

The leiomyomatous stroma in renal cell carcinomas is polyclonal and not part of the neoplastic process

Virchows Arch. 2014 May 18.

<http://link.springer.com/article/10.1007/s00428-014-1591-9>

Ping YS, Shun Chang XL, Goh SK, Choong Syn CK:

Optimization of Spermatozoa Detection using Immunofluorescent Staining and Laser Micro-Dissection

Forensic Science International, 13 Jul 2015

<http://www.fsijournal.org/article/S0379-0738%2815%2900278-9/abstract>

Pisano A, Cerbelli B, Perli E, Pelullo M, Bargelli V, Preziuso C, Mancini M, He L, Bates MGD, Lucena JR, Della Monica PL, Familiari G, Petrozza V, Nediani C, Taylor RW, d'Amati G, Giordano C:
Impaired mitochondrial biogenesis is a common feature to myocardial hypertrophy and end stage ischemic heart failure

Cardiovascular Pathology, Available online 30 September 2015, ISSN 1054-8807
<http://www.sciencedirect.com/science/article/pii/S1054880715001209>

Podd, B.S., Thoits, J., Whitley, N., Cheng, H.Y., Kudla, K.L., Taniguchi, H., Halkias, J., Goth, K., and Camerini, V.:

T cells in cryptopatch aggregates share TCR gamma variable region junctional sequences with gamma delta T cells in the small intestinal epithelium of mice

J Immunol 176(11): 6532-6542 (2006)
<http://www.jimmunol.org/content/176/11/6532.long>

Popp C, Wamhoff D, Winkelmann T, Maiss E, Grunewaldt-Stöcker G:

Molecular identification of Nectriaceae in infections of apple replant disease affected roots collected by Harris Uni-Core punching or laser microdissection

Journal of Plant Diseases and Protection, 9 May 2020, <https://doi.org/10.1007/s41348-020-00333-x>
<https://link.springer.com/article/10.1007%2Fs41348-020-00333-x>

Post RJ, Crainey JL, Bivand A, Renz A:

Laser-assisted microdissection for the study of the ecology of parasites in their hosts

Mol Ecol Resour. 2009 Mar;9(2):480-6. doi: 10.1111/j.1755-0998.2008.02437.x.
<http://onlinelibrary.wiley.com/doi/10.1111/j.1755-0998.2008.02437.x/abstract>

Post, R.J., Krüger, A., and Somiari, S.B.:

Laser-assisted microdissection of polytene chromosomes from Diptera for the development of molecular markers

Molecular Ecology Notes (2006)
<http://onlinelibrary.wiley.com/doi/10.1111/j.1471-8286.2006.01369.x/abstract>

Prowse, A.H., Fakis, G., Manek, S., Churchman, M., Edwards, S., Rowan, A., Koninckx, P., Kennedy, S., and Tomlinson, I.P.:

Allelic loss studies do not provide evidence for the "endometriosis-as-tumor" theory

Fertil Steril 83 Suppl 1: 1134-1143 (2005)
<http://www.fertstert.org/article/S0015-0282%2804%2903224-8/abstract>

Prowse, A.H., Manek, S., Varma, R., Liu, J., Godwin, A.K., Maher, E.R., Tomlinson, I.P., and Kennedy, S.H.:

Molecular genetic evidence that endometriosis is a precursor of ovarian cancer

Int J Cancer 119(3): 556-562 (2006)
<http://onlinelibrary.wiley.com/doi/10.1002/ijc.21845/full>

Pruneri, G., Mazzarol, G., Manzotti, M., and Viale, G.:

Monoclonal proliferation of germinal center cells (incipient follicular lymphoma) in an axillary lymph node of a melanoma patient

Hum Pathol 32(12): 1410-1413 (2001)
<http://www.humanpathol.com/article/S0046-8177%2801%2950948-X/abstract>

Qu X, Sandmann T, Frierson H Jr, Fu L, Fuentes E, Walter K, Okrah K, Rumpel C, Moskaluk C, Lu S, Wang Y, Bourgon R, Penuel E, Pirzkall A, Amler L, Lackner MR, Tabenero J, Hampton GM, Kabbarah O:
Integrated genomic analysis of colorectal cancer progression reveals activation of EGFR through demethylation of the EREG promoter

Oncogene. 2016 Jun 6. doi: 10.1038/onc.2016.170.
<http://dx.doi.org/10.1038/onc.2016.170>

Ragonezi C, Arnholdt-Schmitt B:

Laser Capture Microdissection for Amplification of Alternative Oxidase (AOX) Genes in Target Tissues in *Daucus carota* L.

Methods Mol Biol. 2017;1670:245-252. doi: 10.1007/978-1-4939-7292-0_21.

https://dx.doi.org/10.1007/978-1-4939-7292-0_21

Raj-Kumar PK, Lin X, Liu T, Sturtz LA, Gritsenko MA, Petyuk VA, Sagendorf TJ, Deyarmin B, Liu J, Praveen-Kumar A, Wang G, McDermott JE, Shukla AK, Moore RJ, Monroe ME, Webb-Robertson BM, Hooke JA, Fantacone-Campbell L, Mostoller B, Kvecher L, Kane J, Melley J, Somiari S, Soon-Shiong P, Smith RD, Mural RJ, Rodland KD, Shriver CD, Kovatich AJ, Hu H:

Proteogenomic characterization of difficult-to-treat breast cancer with tumor cells enriched through laser microdissection

Breast Cancer Res. 2024 May 14;26(1):76. doi: 10.1186/s13058-024-01835-4.

<https://doi.org/10.1186/s13058-024-01835-4>

Raj-Kumar PK, Liu J, Soltis AR, Bateman NW, Chen Q, Sturtz LA, Deyarmin B, Pierobon M, Abulez TA, Praveen-Kumar A, Zhang X, Nguyen T, Yan C, Hu Y, Guion K, Hooke JA, Kovatich AJ, Fantacone-Campbell L, Mostoller B, Kvecher L, Somiari S, Steeg PS, Rajagopal PS, Darcy KM, Lee JSH, Dalgard CL, Conrads TP, Petricoin EF, Meerzaman D, Wilkerson MD; APOLLO Research Network; Lin X, Shriver CD, Lipkowitz S, Hu H:

Proteogenomic characterization of invasive breast tumors in young women

NPJ Breast Cancer. 2025 Aug 18;11(1):94. doi: 10.1038/s41523-025-00793-0.

<https://doi.org/10.1038/s41523-025-00793-0>

Ran R, Li L, Shi Z, Liu G, Jiang H, Fang L, Xu T, Huang J, Chen W, Chen Y:

Disruption of *tp53* leads to cutaneous nevus and melanoma formation in *Xenopus tropicalis*

Molecular Oncology, 06 Aug 2022, doi:10.1111/mol2.13301

<https://doi.org/10.1002/1878-0261.13301>

Reeve AK, Krishnan KJ, Elson JL, Morris CM, Bender A, Lightowlers RN, Turnbull DM:

Nature of mitochondrial DNA deletions in substantia nigra neurons

Am J Hum Genet. 2008 Jan;82(1):228-35. doi: 10.1016/j.ajhg.2007.09.018.

[http://linkinghub.elsevier.com/retrieve/pii/S0002-9297\(07\)00024-9](http://linkinghub.elsevier.com/retrieve/pii/S0002-9297(07)00024-9)

Refinetti P, Arstad C, Thilly WG, Morgenthaler S, Ekstrøm PO:

Mapping mitochondrial heteroplasmy in a Leydig tumor by laser capture microdissection and cycling temperature capillary electrophoresis

BMC Clinical Pathology (2017) 17:6 DOI 10.1186/s12907-017-0042-3

<https://bmcclinpathol.biomedcentral.com/articles/10.1186/s12907-017-0042-3>

Reid K, Camacho-Vanegas O, Pandya D, Camacho SC, Qiao RF, Kalir T, Padron MM, Beddoe A-M, Dottino P, and Martignetti JA:

DEEP MOLECULAR TRACKING OVER THE 12-YEAR DEVELOPMENT OF ENDOMETRIAL CANCER FROM HYPERPLASIA IN A SINGLE PATIENT - Endometrial hyperplasia to cancer

Cold Spring Harbor Laboratory Press, Oct 30th 2023, from molecularcasestudies.cshlp.org

<https://molecularcasestudies.cshlp.org/content/early/2023/10/16/mcs.a006311.full.pdf>

Reuter JA, Spacek DV, Pai RK, Snyder MP:

Simul-seq: combined DNA and RNA sequencing for whole-genome and transcriptome profiling

Nat Methods. 2016 Oct 10. doi: 10.1038/nmeth.4028.

<http://dx.doi.org/10.1038/nmeth.4028>

Rhodes C:

Population Genetic Issues for Forensic DNA Profiles

NCJRS, Document Number: 304612, Date Received: April 2022, Award Number: 2017-DN-BX-0136
<https://www.ojp.gov/pdffiles1/nij/grants/304612.pdf>

Ribierre T, Bacq A, Donneger F, Doladilhe M, Maletic M, Roussel D, Le Roux I, Chassoux F, Devaux B, Adle-Biasette H, Ferrand-Sorbets S, Dorfmueller G, Chipaux M, Baldassari S, Poncer JC, Baulac S:
Targeting pathological cells with senolytic drugs reduces seizures in neurodevelopmental mTOR-related epilepsy

Nat Neurosci. 2024 May 6. doi: 10.1038/s41593-024-01634-2.

<https://www.nature.com/articles/s41593-024-01634-2>

Richards J, Ogoe HA, Li W, Babayewa O, Xu W, Bythwood T, Garcia-Barrios M, Ma L, Song Q:
DNA Methylation Signature of Post-injury Neointimal Cells During Vascular Remodeling in the Rat Balloon Injury Model

Mol Biol, 2016, 5:3

<http://www.omicsgroup.org/journals/dna-methylation-signature-of-postinjury-neointimal-cells-duringvascular-remodeling-in-the-rat-balloon-injury-model-2168-9547-1000164.pdf>

Ripolone M, Lucchini V, Ronchi D, Fagiolari G, Bordoni A, Fortunato F, Mondello S, Bonato S, Meregalli M, Torrente Y, Corti S, Comi GP, Moggio M, Sciacco M:

Purkinje cell COX deficiency and mtDNA depletion in an animal model of spinocerebellar ataxia type 1

J Neurosci Res. 2018 Sep;96(9):1576-1585. doi: 10.1002/jnr.24263.

<https://onlinelibrary.wiley.com/doi/epdf/10.1002/jnr.24263>

Riva A, Kuzyk O, Forsberg E, Siuzdak G, Pfann C, Herbold C, Daims H, Loy A, Warth B, Berry D:

A fiber-deprived diet disturbs the fine-scale spatial architecture of the murine colon microbiome

Nat Commun. 2019 Sep 25;10(1):4366. doi: 10.1038/s41467-019-12413-0.

<https://www.nature.com/articles/s41467-019-12413-0.pdf>

Robinson PS, Coorens THH, Palles C, Mitchell E, Abascal F, Olafsson S, Lee BCH, Lawson ARJ, Lee-Six H, Moore L, Sanders MA, Hewinson J, Martin L, Pinna CMA, Galavotti S, Rahbari R, Campbell PJ, Martincorena I, Tomlinson I, Stratton MR:

Increased somatic mutation burdens in normal human cells due to defective DNA polymerases.

Nat Genet. 2021 Sep 30. doi: 10.1038/s41588-021-00930-y.

<https://www.nature.com/articles/s41588-021-00930-y>

Rovithi M, Avan A, Funel N, Leon LG, Gomez VE, Wurdinger T, Griffioen AW, Verheul HM, Giovannetti E:

Development of bioluminescent chick chorioallantoic membrane (CAM) models for primary pancreatic cancer cells: a platform for drug testing

Sci Rep. 2017 Mar 17;7:44686. doi: 10.1038/srep44686.

<http://www.nature.com/articles/srep44686>

Roy E, Wong HY, Villani R, Rouille T, Salik B, Sim SL, Murigneux V, Stark MS, Fink JL, Soyer HP, Walker G, Lyons JG, Saunders N, Khosrotehrani K:

Regional Variation in Epidermal Susceptibility to UV-Induced Carcinogenesis Reflects Proliferative Activity of Epidermal Progenitors

Cell Rep. 2020 Jun 2;31(9):107702. doi: 10.1016/j.celrep.2020.107702.

<https://www.sciencedirect.com/science/article/pii/S2211124720306720>

Ruzicka WB, Subburaju S, Benes FM:

Variability of DNA Methylation within Schizophrenia Risk Loci across Subregions of Human Hippocampus

Genes (Basel). 2017 May 15;8(5). pii: E143. doi: 10.3390/genes8050143.

<http://www.mdpi.com/2073-4425/8/5/143/htm>

Ruzicka WB, Subburaju S, Coyle JT, Benes FM:

Location Matters: Distinct DNA Methylation Patterns in GABAergic Interneuronal Populations from Separate Microcircuits within the Human Hippocampus

Hum Mol Genet. 2017 Nov 2. doi: 10.1093/hmg/ddx395.

<https://academic.oup.com/hmg/advance-article-abstract/doi/10.1093/hmg/ddx395/4587491>

Rydén M, Uzunel M, Hård JL, Borgström E, Mold JE, Arner E, Mejhert N, Andersson DP, Widlund Y, Hassan M, Jones CV, Spalding KL, Svahn BM, Ahmadian A, Frisén J, Bernard S, Mattsson J, Arner P:

Transplanted Bone Marrow-Derived Cells Contribute to Human Adipogenesis

Cell Metab. 2015 Jul 14. pii: S1550-4131(15)00278-8. doi: 10.1016/j.cmet.2015.06.011.

[http://linkinghub.elsevier.com/retrieve/pii/S1550-4131\(15\)00278-8](http://linkinghub.elsevier.com/retrieve/pii/S1550-4131(15)00278-8)

Rygiel KA, Miller J, Grady JP, Rocha MC, Taylor RW, Turnbull DM:

Mitochondrial and inflammatory changes in sporadic Inclusion Body Myositis

Neuropathol Appl Neurobiol. 2014 Apr 18. doi: 10.1111/nan.12149.

<http://onlinelibrary.wiley.com/doi/10.1111/nan.12149/pdf>

Saenz-Pipaon G, Wacker VK, Bi L, Stamatikos A, Dichek DA :

Exosome-Mediated Transfer of X-Motif-Tagged Anti-MiR-33a-5p Antagomirs to the Medial Cells of Transduced Rabbit Carotid Arteries

Biology 2024, 13(12), 965; 24. Nov 2024

<https://doi.org/10.3390/biology13120965>

Saft L, Karimi M, Ghaderi M, Matolcsy A, Mufti GJ, Kulasekararaj A, Göhring G, Giagounidis A, Selleslag D, Muus P, Sanz G, Mittelman M, Bowen D, Porwit A, Fu T, Backstrom J, Fenaux P, MacBeth KJ, and Hellström-Lindberg E:

p53 protein expression independently predicts outcome in patients with lower-risk myelodysplastic syndromes with del(5q)

Haematologica haematol.2013.098103; March 28, 2014, doi:10.3324/haematol.2013.098103

<http://www.haematologica.org/content/early/2014/03/25/haematol.2013.098103.abstract>

Saito T, Niida A, Uchi R, Hirata H, Komatsu H, Sakimura S, Hayashi S, Nambara S, Kuroda Y, Ito S, Eguchi H, Masuda T, Sugimachi K, Tobo T, Nishida H, Daa T, Chiba K, Shiraishi Y, Yoshizato T, Kodama M, Okimoto T, Mizukami K, Ogawa R, Okamoto K, Shuto M, Fukuda K, Matsui Y, Shimamura T, Hasegawa T, Doki Y, Nagayama S, Yamada K, Kato M, Shibata T, Mori M, Aburatani H, Murakami K, Suzuki Y, Ogawa S, Miyano S, Mimori K:

A temporal shift of the evolutionary principle shaping intratumor heterogeneity in colorectal cancer

Nat Commun. 2018 Jul 23;9(1):2884. doi: 10.1038/s41467-018-05226-0.

<https://www.nature.com/articles/s41467-018-05226-0.pdf>

Sakihama K, Koga Y, Yamamoto T, Shimada Y, Yamada Y, Kawata J, Shindo K, Nakamura M, Oda Y:

RNF43 as a predictor of malignant transformation of pancreatic mucinous cystic neoplasm

Virchows Arch. 2022 Jan 23. doi: 10.1007/s00428-022-03277-9.

<https://link.springer.com/article/10.1007/s00428-022-03277-9>

Sakiyama Y, Kanda N, Higuchi Yoshimura M, Wakaguri H, Takata Y, Watanabe O, Yuan J, Tashiro Y, Saigo R, Nozuma S, Yoshimura A, Arishima S, Ikeda K, Shinohara K, Arata H, Michizono K, Higashi K, Hashiguchi A, Okamoto Y, Hirano R, Shiraishi T, Matsuura E, Okubo R, Higuchi I, Goto M, Hirano H, Sano A, Iwasaki T, Matsuda F, Izumo S, Takashima H:

New type of encephalomyelitis responsive to trimethoprim/sulfamethoxazole treatment in Japan

Neurol Neuroimmunol Neuroinflamm. 2015 Aug 13;2(5):e143. doi: 10.1212/NXI.0000000000000143. eCollection 2015.

<http://www.ncbi.nlm.nih.gov/pmc/articles/pmid/26309903/>

Sansonno, D., Tucci, F.A., De Re, V., Lauletta, G., Montrone, M., Libra, M., and Dammacco, F.:
HCV-associated B cell clonalities in the liver do not carry the t(14;18) chromosomal translocation
Hepatology 42(5): 1019-1027 (2005)
<http://onlinelibrary.wiley.com/doi/10.1002/hep.20887/full>

Sasada T, Hinoi T, Saito Y, Adachi T, Takakura Y, Kawaguchi Y, Sotomaru Y, Sentani K, Oue N, Yasui W, Ohdan H:
Chlorinated Water Modulates the Development of Colorectal Tumors with Chromosomal Instability and Gut Microbiota in Apc-Deficient Mice
PLoS One. 2015 Jul 17;10(7):e0132435. doi: 10.1371/journal.pone.0132435.
<http://dx.plos.org/10.1371/journal.pone.0132435>

Sawada G, Takahashi Y, Niida A, Shimamura T, Kurashige J, Matsumura T, Ueo H, Uchi R, Takano Y, Ueda M, Hirata H, Sakimura S, Shinden Y, Eguchi H, Sudo T, Sugimachi K, Miyano S, Doki Y, Mori M, Mimori K:
Loss of CDCP1 Expression Promotes Invasiveness and Poor Prognosis in Esophageal Squamous Cell Carcinoma
Ann Surg Oncol. 2014 May 22.
<http://link.springer.com/article/10.1245/s10434-014-3740-4>

Sawai Y, Kodama Y, Shimizu T, Ota Y, Maruno T, Eso Y, Kurita A, Shiokawa M, Tsuji Y, Uza N, Matsumoto Y, Masui T, Uemoto S, Marusawa H, Chiba T:
Activation-Induced Cytidine Deaminase Contributes to Pancreatic Tumorigenesis by Inducing Tumor-Related Gene Mutations
Cancer Res. 2015 Aug 15;75(16):3292-301. doi: 10.1158/0008-5472.CAN-14-3028.
<http://cancerres.aacrjournals.org/content/75/16/3292.long>

Schellong K, Melchior K, Ziska T, Ott R, Henrich W, Rancourt RC, Plagemann A:
Sex-specific epigenetic alterations of the hypothalamic AgRP-Pomc system do not explain 'diabesity' in the offspring of high-fat diet (HFD) overfed maternal rats
The Journal of Nutritional Biochemistry, Available online 23 October 2019, 108257
<https://www.sciencedirect.com/science/article/abs/pii/S0955286319305340>

Schellong K, Melchior K, Ziska T, Ott R, Henrich W, Rancourt RC, Plagemann A:
Hypothalamic insulin receptor expression and DNA promoter methylation are sex-specifically altered in adult offspring of high-fat diet (HFD)-overfed mother rats
The Journal of Nutritional Biochemistry, 10 Feb 2019, <https://doi.org/10.1016/j.jnutbio.2019.01.014>
<https://www.sciencedirect.com/science/article/pii/S0955286318311392>

Schiavo Lena M, Sánchez-Ares M, Brunetto E, Abdulkader-Nallib I, Maggiore R, Barbieri D, Vigone MC, Perticone F, Lanzi R, Presi S, Carrera P, Cangi MG, Arrigoni G, Doglioni C, Cameselle-Teijeiro JM:
Focal High-Grade Areas with a Tumor-in-Tumor Pattern: Another Feature of Pediatric DICER1-Associated Thyroid Carcinoma?
Endocr Pathol. 2025 May 31;36(1):20. doi: 10.1007/s12022-025-09863-2.
<https://doi.org/10.1007/s12022-025-09863-2>

Schillebeekx M, Schrade A, Löbs AK, Pihlajoki M, Wilson DB, Mitra RD:
Laser capture microdissection-reduced representation bisulfite sequencing (LCM-RRBS) maps changes in DNA methylation associated with gonadectomy-induced adrenocortical neoplasia in the mouse
Nucleic Acids Res. 2013 Apr 15.
<http://nar.oxfordjournals.org/cgi/lookup?view=long&pmid=23589626>

Schraders, M., de Jong, D., Kluin, P., Groenen, P., and van Krieken, H.:

Lack of Bcl-2 expression in follicular lymphoma may be caused by mutations in the BCL2 gene or by absence of the t(14;18) translocation

J Pathol 205(3): 329-335 (2005)

<http://onlinelibrary.wiley.com/doi/10.1002/path.1689/full>

Semba R, Eguchi H, Takatsu M, Hashizume T, Moteki H, Maeno K, Murakami F, Watanabe J, Kutomi G, Arai M:

Two-hit events occurred independently in bilateral breast cancers in a germline double heterozygous carrier for BRCA1 and BRCA2

Breast Cancer. 2025 Jul 2. doi: 10.1007/s12282-025-01740-4.

<https://doi.org/10.1007/s12282-025-01740-4>

Semba R, Eguchi H, Takatsu M, Hashizume T, Moteki H, Maeno K, Murakami F, Watanabe J, Kutomi G, Arai M:

Two-hit events occurred independently in bilateral breast cancer of a heterozygous double germline pathogenic variants carrier of BRCA1 and BRCA2

Research Square, 1 Apr 2025

<https://doi.org/10.21203/rs.3.rs-6272927/v1>

Shen SY, Singhanian R, Fehringer G, Chakravarthy A, Roehrl MHA, Chadwick D, Zuzarte PC, Borgida A, Wang TT, Li T, Kis O, Zhao Z, Spreafico A, Medina TDS, Wang Y, Roulois D, Ettayebi I, Chen Z, Chow S, Murphy T, Arruda A, O'Kane GM, Liu J, Mansour M, McPherson JD, O'Brien C, Leighl N, Bedard PL, Fleshner N, Liu G, Minden MD, Gallinger S, Goldenberg A, Pugh TJ, Hoffman MM, Bratman SV, Hung RJ, De Carvalho DD:

Sensitive tumour detection and classification using plasma cell-free DNA methylomes

Nature. 2018 Nov 14. doi: 10.1038/s41586-018-0703-0.

<http://dx.doi.org/10.1038/s41586-018-0703-0>

Shia J, Sanchez-Vega F, Cho S, Chen JF, Chen CT, Bhanot U, Urganci N, Firat C, Ntiamoah P, Isidro RA, Srivastava A, Weiser MR, Mandelker D, Vakiani E, Boland CR, Garcia-Aguilar J, Stadler ZK:

MSH6-proficient crypt foci in MSH6 constitutional mismatch repair deficiency: reversion of a frameshifted coding microsatellite to its wild-type sequence

Fam Cancer. 2024 Oct 10. doi: 10.1007/s10689-024-00423-x.

<https://doi.org/10.1007/s10689-024-00423-x>

Shieh, D.B., Chou, W.P., Wei, Y.H., Wong, T.Y., and Jin, Y.T.:

Mitochondrial DNA 4,977-bp deletion in paired oral cancer and precancerous lesions revealed by laser microdissection and real-time quantitative PCR

Ann N Y Acad Sci 1011: 154-167 (2004)

<http://onlinelibrary.wiley.com/doi/10.1196/annals.1293.016/full>

Shieh, Y.S., Shiah, S.G., Jeng, H.H., Lee, H.S., Wu, C.W., and Chang, L.C.:

DNA methyltransferase 1 expression and promoter methylation of E-cadherin in mucoepidermoid carcinoma

Cancer 104(5): 1013-1021 (2005)

<http://onlinelibrary.wiley.com/doi/10.1002/cncr.21278/full>

Shima Y, Sasagawa S, Ota N, Oyama R, Tanaka M, Kubota-Sakashita M, Kawakami H, Kobayashi M, Takubo N, Ozeki AN, Sun X, Kim YJ, Kamatani Y, Matsuda K, Maejima K, Fujita M, Noda K, Kamiyama H, Tanikawa R, Nagane M, Shibahara J, Tanaka T, Rikitake Y, Mataga N, Takahashi S, Kosaki K, Okano H, Furihata T, Nakaki R, Akimitsu N, Wada Y, Ohtsuka T, Kurihara H, Kamiguchi H, Okabe S, Nakafuku M, Kato T, Nakagawa H, Saito N, Nakatomi H:

Increased PDGFRB and NF- κ B signaling caused by highly prevalent somatic mutations in intracranial aneurysms

Sci Transl Med. 2023 Jun 14;15(700):eabq7721. doi: 10.1126/scitranslmed.abq7721.

<https://doi.org/10.1126/scitranslmed.abq7721>

Shimada Y, Yamamoto T, Shindo K, Nakanishi Y, Matsumoto T, Noguchi S, Aishima S, Nakamura M, Oda Y:

Clinicopathologic and Genomic Features of Gastric-Type Intraductal Papillary Neoplasm of the Bile Duct: Potential Role of STK11 in Malignant Progression

Am J Surg Pathol. 2025 Jul 11. doi: 10.1097/PAS.0000000000002451.

<https://doi.org/10.1097/PAS.0000000000002451>

Shitara D, Tell-Martí G, Badenas C, Enokihara MM, Alós L, Larque AB, Michalany N, Puig-Butille J, Carrera C, Malveyh J, Puig S, Bagatin E:

Mutational status of nevus associated-melanomas

Br J Dermatol. 2015 Apr 9. doi: 10.1111/bjd.13829.

<http://dx.doi.org/10.1111/bjd.13829>

Shu DH, Ho WJ, Kagohara LT, Girgis A, Shin SM, Danilova L, Lee JW, Sidiropoulos DN, Mitchell S, Munjal K, Howe K, Bendinelli KJ, Kartalia E, Qi H, Mo G, Montagne J, Leatherman JM, Lopez-Vidal TY, Zhu Q, Huff AL, Yuan X, Hernandez A, Coyne EM, Zaidi N, Zabransky DJ, Engle LL, Ogurtsova A, Baretti M, Laheru D, Durham JN, Wang H, Sunshine JC, Johnston RJ, Deutsch JS, Taube JM, Anders RA, Jaffee EM, Fertig EJ, Yarchoan M:

Immunotherapy response induces divergent tertiary lymphoid structure morphologies in hepatocellular carcinoma

Nat Immunol. 2024 Oct 25. doi: 10.1038/s41590-024-01992-w.

<https://doi.org/10.1038/s41590-024-01992-w>

Siddon A, Lozovatsky L, Mohamed A, Hudnall SD:

Human herpesvirus 6 positive Reed-Sternberg cells in nodular sclerosis Hodgkin lymphoma

Br J Haematol. 2012 Jul 4. doi: 10.1111/j.1365-2141.2012.09206.x.

<http://dx.doi.org/10.1111/j.1365-2141.2012.09206.x>

Simard M-L:

Nitrotetrazolium Blue Exclusion Assay (NBTx) Demonstration of a novel assay to quantify cytochrome c oxidase deficiency

Thesis, 2018

https://kups.ub.uni-koeln.de/9196/1/PhDThesis_MLSimard_Sept2018.pdf

Singh N, Faruqi A, Kommoss F, McCluggage WG, Trevisan G, Senz J, Lum A, Gilks CB, Anglesio M:

Extrauterine high-grade serous carcinomas with bilateral adnexal involvement as the only two disease sites are clonal based on tp53 sequencing results: implications for biology, classification, and staging

Mod Pathol. 2017 Nov 17. doi: 10.1038/modpathol.2017.159.

<http://dx.doi.org/10.1038/modpathol.2017.159>

Soltis AR, Bateman NW, Liu J, Nguyen T, Franks TJ, Zhang X, Dalgard CL, Viollet C, Somiari S, Yan C, Zeman K, Skinner WJ, Lee JSH, Pollard HB, Turner C, Petricoin EF, Meerzaman D, Conrads TP, Hu H; APOLLO Research Network, Shriver CD, Moskaluk CA, Browning RF Jr, Wilkerson MD:

Proteogenomic analysis of lung adenocarcinoma reveals tumor heterogeneity, survival determinants, and therapeutically relevant pathways

Cell Rep Med. 2022 Nov 15;3(11):100819. doi: 10.1016/j.xcrm.2022.100819.

<https://doi.org/10.1016/j.xcrm.2022.100819>

Song M, Xie H, Liu W, Zhao M, Deng Z, Zhang L, Liu H, Huang Y, Li H, Ren Y, Chen C:

Characterization of the evolution trajectory and immune profiling of new histologic patterns in lung adenocarcinoma

J Gene Med. 2022 Oct 4:e3455. doi: 10.1002/jgm.3455.

<https://doi.org/10.1002/jgm.3455>

Song N, Endo D, Song B, Shibata Y, Koji T:

5-aza-2'-deoxycytidine impairs mouse spermatogenesis at multiple stages through different usage of DNA methyltransferases

Toxicology. 2016 Jul 7;361-362:62-72. doi: 10.1016/j.tox.2016.07.005.

[http://linkinghub.elsevier.com/retrieve/pii/S0300-483X\(16\)30122-6](http://linkinghub.elsevier.com/retrieve/pii/S0300-483X(16)30122-6)

Sonoda A, Mukaisho KI, Nakayama T, Diem VT, Hattori T, Andoh A, Fujiyama Y, Sugihara H

Genetic lineages of undifferentiated-type gastric carcinomas analysed by unsupervised clustering of genomic DNA microarray data

BMC Med Genomics. 2013 Jul 19;6(1):25.

<http://www.biomedcentral.com/content/pdf/1755-8794-6-25.pdf>

Sperka T, Song Z, Morita Y, Nalapareddy K, Guachalla LM, Lechel A, Begus-Nahrmann Y, Burkhalter MD, Mach M, Schlaudraff F, Liss B, Ju Z, Speicher MR, Rudolph KL:

Puma and p21 represent cooperating checkpoints limiting self-renewal and chromosomal instability of somatic stem cells in response to telomere dysfunction

Nat Cell Biol. 2011 Dec 4. doi: 10.1038/ncb2388.

<http://www.nature.com/ncb/journal/vaop/ncurrent/full/ncb2388.html>

Splinter J, Jakob B, Lang M, Yano K, Engelhardt J, Hell SW, Chen DJ, Durante M, Taucher-Scholz G:

Biological dose estimation of UVA laser microirradiation utilizing charged particle-induced protein foci

Mutagenesis. 2010 May;25(3):289-97. doi: 10.1093/mutage/geq005.

<https://academic.oup.com/mutage/article-lookup/doi/10.1093/mutage/geq005>

Staiti N, Giuffrè G, Di Martino D, Simone A, Sippelli G, Tuccari G, Saravo L:

Molecular analysis of genomic low copy number DNA extracted from laser-microdissected cells

International Congress Series, Volume 1288, April 2006, Pages 568–570

<http://www.sciencedirect.com/science/article/pii/S0531513105017413>

Stratton M, Leung SY, Wang Y, Robinson P, Thomas L, West H, Sampson J, Jung H, Fitzgerald S, Lee-Six H, Coorens T, Olafsson S, Lawson A, Hooks Y, Allen L, Roberts K, Yuen ST, Yan H, Foo CC, Lee B, Chan A, Chan A, Tsui W, Giger O, Martincorena I, Campbell:

The earliest stages of neoplastic transformation in Familial Adenomatous Polyposis

Research Square, 22. May 2025

<https://doi.org/10.21203/rs.3.rs-6581155/v1>

Steinecke A, Kurabayashi N, Hayano Y, Ishino Y, Taniguchi H:

In Vivo Single-Cell Genotyping of Mouse Cortical Neurons Transfected with CRISPR/Cas9

Cell Rep. 2019 Jul 9;28(2):325-331.e4. doi: 10.1016/j.celrep.2019.06.038.

[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(19\)30804-6](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(19)30804-6)

Sturm G, Karan KR, Monzel AS, Santhanam B, Taivassalo T, Bris C, Ware SA, Cross M, Towheed A, Higgins-Chen A, McManus MJ, Cardenas A, Lin J, Epel ES, Rahman S, Vissing J, Grassi B, Levine M, Horvath S, Haller RG, Lenaers G, Wallace DC, St-Onge MP, Tavazoie S, Procaccio V, Kaufman BA, Seifert EL, Hirano M, Picard M:

OxPhos defects cause hypermetabolism and reduce lifespan in cells and in patients with mitochondrial diseases

Commun Biol. 2023 Jan 12;6(1):22. doi: 10.1038/s42003-022-04303-x.

<https://doi.org/10.1038/s42003-022-04303-x>

Su Y, Bidlingmaier S, Lee NK, Liu B:

Combine Phage Antibody Display Library Selection on Patient Tissue Specimens with Laser Capture Microdissection to Identify Novel Human Antibodies Targeting Clinically Relevant Tumor Antigens

Methods Mol Biol. 2018;1701:331-347. doi: 10.1007/978-1-4939-7447-4_18.
https://link.springer.com/protocol/10.1007/978-1-4939-7447-4_18

Suda K, Takahashi K, Tamura R, Saito K, Yamaguchi M, Yachida N, Adachi S, Kase H, Okuda S, Yoshihara K, and Nakaoka H:

Mutation profile and chromosomal abnormality in adenomyosis

Reproduction, 07 Jul 2025, REP-25-0132

<https://doi.org/10.1530/REP-25-0132>

Sun M, Zheng J, Wnag B and Yao J:

Sperm Cell Capture Based on ABH Antigen Differences to Separate Two Men in Mixed Seminal Stains

BioMed Research International, Volume 2021 | Article ID 7269237

<https://doi.org/10.1155/2021/7269237>

Suryamohan K, Krishnankutty SP, Guillory J, Jevit M, Schröder MS, Wu M, Kuriakose B, Mathew OK, Perumal RC, Koludarov I, Goldstein LD, Senger K, Dixon MD, Velayutham D, Vargas D, Chaudhuri S, Muraleedharan M, Goel R, Chen YJ, Ratan A, Liu P, Faherty B, de la Rosa G, Shibata H, Baca M, Sagolla M, Ziai J, Wright GA, Vucic D, Mohan S, Antony A, Stinson J, Kirkpatrick DS, Hannoush RN, Durinck S, Modrusan Z, Stawiski EW, Wiley K, Raudsepp T, Kini RM, Zachariah A, Seshagiri S:

The Indian cobra reference genome and transcriptome enables comprehensive identification of venom toxins.

Nat Genet. 2020 Jan 6. doi: 10.1038/s41588-019-0559-8.

<https://www.nature.com/articles/s41588-019-0559-8.pdf>

Swarts DRA, Voorham QJM, van Splunter AP, Wilting SM, Sie D, Pronk D, van Beurden M, Heideman DAM, Snijders PJF, Meijer CJLM, Steenbergen RDM, Bleeker MCG:

Molecular heterogeneity in human papillomavirus-dependent and -independent vulvar carcinogenesis

Cancer Med. 2018 Jul 20. doi: 10.1002/cam4.1633.

<https://doi.org/10.1002/cam4.1633>

Tada M, Kanai F, Tanaka Y, Sanada M, Nannya Y, Tateishi K, Ohta M, Asaoka Y, Seto M, Imazeki F, Yoshida H, Ogawa S, Yokosuka O, Omata M:

Prognostic significance of genetic alterations detected by high-density single nucleotide polymorphism array in gastric cancer

Cancer Sci. 2010 May;101(5):1261-9

<http://onlinelibrary.wiley.com/doi/10.1111/j.1349-7006.2010.01500.x/full>

Taddese M, Grudde T, Belluccini G, Anderson M, Cloherty G, Hwang HS, Mani M, Lo CM, Esrig N, Sulkowski MS, Sterling RK, Zhang Y, Ribeiro RM, Thomas DL, Thio CL, Balagopal A:

Transcription of hepatitis B surface antigen shifts from cccDNA to integrated HBV DNA during treatment

J Clin Invest. 2025 Jan 30:e184243. doi: 10.1172/JCI184243.

<https://doi.org/10.1172/jci184243>

Taga M, Eguchi H, Shinohara T, Takahashi K, Ito R, Yasui W, Nakachi K, Kusunoki Y, Hamatani K:

Improved PCR amplification for molecular analysis using DNA from long-term preserved formalin-fixed, paraffin-embedded lung cancer tissue specimens

Int J Clin Exp Pathol 2013;6(1):76-79, www.ijcep.com /ISSN:1936-2625/IJCEP1209008

<http://www.ijcep.com/files/ijcep1209008.pdf>

Tajima Y, Eguchi H, Chika N, Nagai T, Dechamethakun S, Kumamoto K, Tachikawa T, Akagi K, Tamaru JI, Seki H, Okazaki Y, Ishida H:

Prevalence and molecular characteristics of defective mismatch repair epithelial ovarian cancer in a Japanese hospital-based population

Jpn J Clin Oncol. 2018 Jun 8. doi: 10.1093/jjco/hyy081.

<https://academic.oup.com/jjco/article-lookup/doi/10.1093/jjco/hyy081>

Takane K, Cai T, Noguchi R, Gohda Y, Ikenoue T, Yamaguchi K, Ota Y, Kiyomatsu T, Yano H, Fukuyo M, Seki M, Bahityar R, Kaneda A, Furukawa Y:

Genome-wide analysis of DNA methylation in pseudomyxoma peritonei originated from appendiceal neoplasms

Oncology. 2024 Jan 23. doi: 10.1159/000536219.

<https://doi.org/10.1159/000536219>

Takeshita T, Iwase H:

dPCR Mutational Analyses in Cell-Free DNA: A Comparison with Tissues

Methods Mol Biol. 2019;1909:105-118. doi: 10.1007/978-1-4939-8973-7_8.

https://link.springer.com/protocol/10.1007/978-1-4939-8973-7_8

Takeshita T, Yamamoto Y, Yamamoto-Ibusuki M, Tomiguchi M, Sueta A, Murakami K, Omoto Y, Iwase H:
Comparison of ESR1 Mutations in Tumor Tissue and Matched Plasma Samples from Metastatic Breast Cancer Patients

Transl Oncol. 2017 Jul 31;10(5):766-771. doi: 10.1016/j.tranon.2017.07.004.

<http://www.sciencedirect.com/science/article/pii/S1936523317301523>

Takeuchi N, Takahiro S, Murakami T, Ishiwatari K, Watanabe A:

Morphological Control of Microbial Ecosystems and Carbon Cycling in Greenlandic Cryoconite Holes

Research Square

<https://doi.org/10.21203/rs.3.rs-7116261/v1>

Tan S, Sood A, Rahimi H, Wang W, Gupta N, Hicks J, Mosier S, Gocke CD, Epstein JI, Netto GJ, Liu W, Isaacs WB, De Marzo AM, Lotan T:

Rb Loss is Characteristic of Prostatic Small Cell Neuroendocrine Carcinoma

Clin Cancer Res. 2013 Dec 9.

<http://clincancerres.aacrjournals.org/cgi/doi/10.1158/1078-0432.CCR.132488>

Tanaka M, Matsumura M, Okudela K, Mitsui H, Tateishi Y, Umeda S, Suzuki T, Koike C, Kataoka T, Kawano N, Kojima Y, Osawa H, Ohashi K:

Pulmonary melanocytic nevus - A case report with a mutation analysis of common driver oncogenes

Pathol Int. 2019 Sep 25. doi: 10.1111/pin.12850.

<https://onlinelibrary.wiley.com/doi/pdf/10.1111/pin.12850>

Tanaka M, Yamaguchi S, Yamazaki Y, Kinoshita H, Kuwahara K, Nakao K, Jay PY, Noda T, Nakamura T:
Somatic chromosomal translocation between Ewsr1 and Fli1 loci leads to dilated cardiomyopathy in a mouse model

Sci Rep. 2015 Jan 16;5:7826. doi: 10.1038/srep07826.

<http://dx.doi.org/10.1038/srep07826>

Tanakaya K, Kumamoto K, Tada Y, Eguchi H, Ishibashi K, Idani H, Tachikawa T, Akagi K, Okazaki Y, Ishida H:

A germline MBD4 mutation was identified in a patient with colorectal oligopolyposis and early-onset cancer: A case report

Oncol Rep. 2019 Jul 17. doi: 10.3892/or.2019.7239.

<https://www.spandidos-publications.com/10.3892/or.2019.7239>

Tancredi, M., Sensi, E., Cipollini, G., Aretini, P., Lombardi, G., Di Cristofano, C., Presciuttini, S., Bevilacqua, G., and Caligo, M.A.:

Haplotype analysis of BRCA1 gene reveals a new gene rearrangement: characterization of a 19.9 KBP deletion

Eur J Hum Genet 12(9): 775-777 (2004)

<http://www.nature.com/ejhg/journal/v12/n9/full/5201223a.html>

Tao R, Wang S, Zhang J, Zhang J, Yang Z, Sheng X, Hou Y, Zhang S, Li C:

Separation/extraction, detection, and interpretation of DNA mixtures in forensic science (review)

Int J Legal Med. 2018 May 25. doi: 10.1007/s00414-018-1862-0.

<https://dx.doi.org/10.1007/s00414-018-1862-0>

Tasioudi KE, Saetta AA, Sakellariou S, Levidou G, Michalopoulos NV, Theodorou D, Patsouris E, Korkolopoulou P:

pERK activation in esophageal carcinomas: Clinicopathological associations

Pathol Res Pract. 2012 Jun 1. [Epub ahead of print]

<http://www.sciencedirect.com/science/article/pii/S0344033812001331>

Taylor, R.W., Barron, M.J., Borthwick, G.M., Gospel, A., Chinnery, P.F., Samuels, D.C., Taylor, G.A., Plusa, S.M., Needham, S.J., Greaves, L.C., Kirkwood, T.B., and Turnbull, D.M.:

Mitochondrial DNA mutations in human colonic crypt stem cells

J Clin Invest 112(9): 1351-1360 (2003)

<http://www.jci.org/articles/view/19435>

Teh J, Biswas K, Waldvogel-Thurlow S, Broderick D, Clark ST, Johnston J, Mackenzie BW, Douglas R:

Paired qualitative and quantitative analysis of bacterial microcolonies in the tonsils of patients with tonsillar hyperplasia

Microbes Infect. 2024 Mar 5:105317. doi: 10.1016/j.micinf.2024.105317.

<https://doi.org/10.1016/j.micinf.2024.105317>

Teixeira VH, Nadarajan P, Graham TA, Pipinikas CP, Brown JM, Falzon M, Nye E, Poulsom R, Lawrence D, Wright NA, McDonald S, Giangreco A, Simons BD, Janes SM:

Stochastic homeostasis in human airway epithelium is achieved by neutral competition of basal cell progenitors

Elife. 2013 Oct 22;2:e00966. doi: 10.7554/eLife.00966.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3804062/>

Thi-Ngoc Vo D, Nakayama T, Yamamoto H, Mukaisho K, Hattori T and Sugihara H:

Progression risk assessments of individual non-invasive gastric neoplasms by genomic copy-number profile and mucin phenotype

BMC Medical Genomics 18 Feb 2015, 8:6 doi:10.1186/s12920-015-0080-6

<http://www.biomedcentral.com/1755-8794/8/6/abstract>

Tokiwa N, Nakamura S, Satoh K, and Yoshii T:

Isolation method from mixture of blood stain by ABO blood typing and DNA testing

法科学技術, 19(1), 1–8(2014) (article in Japanese)

https://www.jstage.jst.go.jp/article/jafst/19/1/19_1/article/-char/ja/

Toriyama K, Masago K, Shibata N, Haneda M, Kuwahara T, Natsume S, Kobayashi S, Fujita Y, Sasaki E, Yamao K, Kawashima H, Shimizu Y, Hara K, Yatabe Y, Hosoda W:

Clinicopathological and molecular characterization of KRAS wild-type pancreatic ductal adenocarcinomas reveals precursor lesions with oncogenic mutations and fusions in RAS pathway genes

J Pathol. 2025 May 2. doi: 10.1002/path.6432.

<https://doi.org/10.1002/path.6432>

Trudel D, Avarvarei L-M, Orain M, Turcotte S, Plante M, Grégoire J, Kappelhoff R, Labbé DP, Bachvarov D, Têtu B, Overall CM, Bairati I:

Proteases and their inhibitors as prognostic factors for high-grade serous ovarian cancer

Pathology - Research and Practice, 2 Mar 2019, <https://doi.org/10.1016/j.prp.2019.02.019>

<https://www.sciencedirect.com/science/article/pii/S0344033818316741#!>

Tsang YT, Deavers MT, Sun CC, Kwan SY, Kuo E, Malpica A, Mok SS, Gershenson DM, and Wong KK:
KRAS (but not BRAF) mutations in ovarian serous borderline tumor are associated with recurrent low-grade serous carcinoma

J. Pathol., SN - 1096-9896, <http://dx.doi.org/10.1002/path.4252>, 10.1002/path.4252

<http://onlinelibrary.wiley.com/doi/10.1002/path.4252/abstract>

Tyraskis A, Zen Y, Strautnieks S, Cook R, Foskett P, De Vito C, Deheragoda M, Quaglia A, Heaton N, Davenport M, Thompson RJ:

High frequency of CTNNB1 variants associated with benign and malignant liver tumors in patients with Congenital Porto-Systemic Shunts

Liver Cancer 1–23. 28 Dec 2024, ISSN: 2235-1795 (Print), eISSN: 1664-5553, DOI: 10.1159/000543217

<https://doi.org/10.1159/000543217>

Uchi R, Jiromaru R, Yasumatsu R, Yamamoto H, Hongo T, Manako T, Sato K, Hashimoto K, Wakasaki T, Matsuo M, Nakagawa T:

Genomic Sequencing of Cancer-related Genes in Sinonasal Squamous Cell Carcinoma and Coexisting Inverted Papilloma

Anticancer Res. 2021 Jan;41(1):71-79. doi: 10.21873/anticancer.14752.

<http://ar.iiarjournals.org/content/41/1/71.abstract>

Ueda NK, Mimaki M, Ito S, Murakami A, Yokoi S, Nishino I, Katsuno M, Goto YI:

A novel m.14677 T > C variant in mitochondrial tRNA^{Glu} gene causes chronic progressive external ophthalmoplegia

J Hum Genet. 2025 Aug 6. doi: 10.1038/s10038-025-01381-7.

<https://doi.org/10.1038/s10038-025-01381-7>

Uehiro N, Sato F, Pu F, Tanaka S, Kawashima M, Kawaguchi K, Sugimoto M, Saji S, Toi M:

Circulating cell-free DNA-based epigenetic assay can detect early breast cancer

Breast Cancer Res. 2016 Dec 19;18(1):129.

<https://breast-cancer-research.biomedcentral.com/articles/10.1186/s13058-016-0788-z>

Ullah S, Garg RK, Noor F:

DNA perspectives of fixed and paraffin embedded human tissues as resource materials for the identification

Egyptian Journal of Forensic Sciences (2017) 7:23

<https://link.springer.com/content/pdf/10.1186%2Fs41935-017-0027-5.pdf>

Untch BR, Dos Anjos V, Garcia-Rendueles MER, Knauf JA, Krishnamoorthy GP, Saqcena M, Bhanot UK, Socci ND, Ho AL, Ghossein R, Fagin JA:

Tipifarnib Inhibits HRAS-Driven Dedifferentiated Thyroid Cancers

Cancer Res. 2018 Aug 15;78(16):4642-4657. doi: 10.1158/0008-5472.CAN-17-1925.

<http://cancerres.aacrjournals.org/cgi/lookup?view=long&pmid=29760048>

Ure AE, Forslund O:

Lack of methylation in the HPV type 6 upstream regulatory region from aerodigestive tract papillomas

J Virol. 2012 Oct 3.

<http://jvi.asm.org/content/early/2012/09/26/JVI.01938-12.abstract>

Valdebenito S, Malik S, Luu R, Loudig O, Mitchell M, Okafo G, Bhat K, Prideaux B, Eugenin EA:
Tunneling nanotubes, TNT, communicate glioblastoma with surrounding non-tumor astrocytes to adapt them to hypoxic and metabolic tumor conditions

Sci Rep. 2021 Jul 15;11(1):14556. doi: 10.1038/s41598-021-93775-8.

<https://www.nature.com/articles/s41598-021-93775-8>

van Bladel DAG, van den Brand M, Rijntjes J, Pamidimarri Naga S, Haacke DLCM, Luijckx JACW, Hebeda KM, van Krieken JHJM, Groenen PJTA, Scheijen B:

Clonality assessment and detection of clonal diversity in classic Hodgkin lymphoma by next-generation sequencing of immunoglobulin gene rearrangements

Mod Pathol. 2021 Dec 3. doi: 10.1038/s41379-021-00983-8.

<https://www.nature.com/articles/s41379-021-00983-8>

van der Putten LJ, van Hoof R, Tops BB, Snijders MP, van den Berg-van Erp SH, van der Wurff AA, Bulten J, Pijnenborg JM, Massuger LF:

Molecular profiles of benign and (pre)malignant endometrial lesions

Carcinogenesis. 2017 Jan 25. doi: 10.1093/carcin/bgx008.

<https://academic.oup.com/carcin/article-lookup/doi/10.1093/carcin/bgx008>

van Dijk, M.C., Rombout, P.D., Mooi, W.J., van de Molengraft, F.J., van Krieken, J.H., Ruiter, D.J., and Ligtenberg, M.J.:

Allelic imbalance in the diagnosis of benign, atypical and malignant Spitz tumours

J Pathol 197(2): 170-178 (2002)

<http://onlinelibrary.wiley.com/doi/10.1002/path.1119/full>

van Schanke, A., van Venrooij, G.M., Jongsma, M.J., Banus, H.A., Mullenders, L.H., van Kranen, H.J., and de Gruijl, F.R.:

Induction of nevi and skin tumors in Ink4a/Arf Xpa knockout mice by neonatal, intermittent, or chronic UVB exposures

Cancer Res 66(5): 2608-2615 (2006)

<http://cancerres.aacrjournals.org/content/66/5/2608.long>

van Vliet MM, Boers RG, Boers JB, Schäffers OJM, van der Meeren LE, Gribnau J, Schoenmakers S, Steegers-Theunissen RPM:

Profiling (placental) DNA methylation in cell-free DNA across gestation: the Rotterdam Periconception Cohort

Mol Hum Reprod. 2025 May 8;gaaf011. doi: 10.1093/molehr/gaaf011.

<https://doi.org/10.1093/molehr/gaaf011>

Venesio T, Balsamo A, Scordamaglia A, Bertolaso M, Arrigoni A, Sprujevnik T, Rossini FP, Risio M:

Germline APC mutation on the beta-catenin binding site is associated with a decreased apoptotic level in colorectal adenomas

Mod Pathol. 2003 Jan;16(1):57-65.

<http://dx.doi.org/10.1097/01.MP.0000042421.83775.0E>

Vintiner SK, Veth JS, and Bright J-A:

A review of DNA profiling success for laser microdissected forensic casework samples

Australian Journal of Forensic Sciences; Volume 52, 2020 - Issue 3, Pages 282-292 | 13 Nov 2018

<https://www.tandfonline.com/doi/full/10.1080/00450618.2018.1510030>

Visci G, Tolomeo D, Lonoce A, Arshadi A, Bascetta L, Trotta G, van Riel M, Vermeesch JR, Carbone R, Storlazzi CT:

A novel method for the isolation of single cells mimicking circulating tumour cells adhered on Smart Bio Surface slides by Laser Capture Microdissection

Protocols.io, 26 Oct 2023

<https://www.protocols.io/view/a-novel-method-for-the-isolation-of-single-cells-m-81wgbx5kolpk/v1>

Voeghtly LM, Mamula K, Campbell JL, Shriver CD, Ellsworth RE:

Molecular Alterations Associated with Breast Cancer Mortality

PLoS ONE 7(10): e46814. doi:10.1371/journal.pone.0046814

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0046814>

Vormittag-Nocito E, Acosta AM, Agarwal S, Narayan KD, Kumar R, Al Rasheed MRH, Kajdacsy-Balla A, Behm FG, Mohapatra G:

In-Depth Comparison of Genetic Variants Demonstrates a Close Relationship between Invasive and Intraductal Components of Prostate Cancer

Modern Pathology (2023), doi: <https://doi.org/10.1016/j.modpat.2023.100130>.

<https://doi.org/10.1016/j.modpat.2023.100130>

Wakimoto T, Egami Y, Nakashima Y, Wakimoto Y, Mori T, Awakawa T, Ito T, Kenmoku H, Asakawa Y, Piel J, Abe I:

Calyculin biogenesis from a pyrophosphate protoxin produced by a sponge symbiont

Nat Chem Biol. 2014 Jun 29. doi: 10.1038/nchembio.1573

<http://dx.doi.org/10.1038/nchembio.1573>

Walsh HL:

Application of Molecular Pathology Techniques to Understand Mechanisms of Disease in Smallmouth Bass

Thesis 2018

<https://researchrepository.wvu.edu/cgi/viewcontent.cgi?article=4696&context=etd>

Walsh HL, Sperry AJ, Blazer VS:

The effects of tissue fixation on sequencing and transcript abundance of nucleic acids from microdissected liver samples of smallmouth bass (*Micropterus dolomieu*)

PLoS One. 2020 Aug 10;15(8):e0236104. doi: 10.1371/journal.pone.0236104.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0236104>

Wang C, Zhan P, Wang L, Zeng R, Shen Y, Lv G, Li D, Deng S, Liu W:

The Application of Laser Microdissection in Molecular Detection and Identification of *Aspergillus fumigatus* from Murine Model of Acute Invasive Pulmonary Aspergillosis

Mycopathologia. 2014 Jun 29.

<http://link.springer.com/article/10.1007/s11046-014-9777-x>

Wang D, Guo C, Li Y, Zhou M, Wang H, Liu J, Chen P:

Estrogen upregulates DNMT1 and leads to the hypermethylation of RUNX3 in the malignant transformation of ovarian endometriosis

Reproductive BioMedicine Online(2021), doi:<https://doi.org/10.1016/j.rbmo.2021.06.030>

<https://www.sciencedirect.com/science/article/pii/S1472648321003527>

Wang R, Li J, Zhou X, Mao Y, Wang W, Gao S, Wang W, Gao Y, Chen K, Yu S, Wu X, Wen L, Ge H, Fu W, Tang F:

Single-cell genomic and transcriptomic landscapes of primary and metastatic colorectal cancer tumors

Genome Med. 2022 Aug 16;14(1):93. doi: 10.1186/s13073-022-01093-z.

<https://genomemedicine.biomedcentral.com/articles/10.1186/s13073-022-01093-z>

Wang Y:

Mutational processes in normal human tissues

Thesis, Apollo - University of Cambridge Repository (2024)

<https://doi.org/10.17863/CAM.113024>

Wang Y, Antonopoulos DA, Zhu X, Harrell L, Hanan I, Alverdy JC, Meyer F, Musch MW, Young VB, Chang EB:

Laser capture microdissection and metagenomic analysis of intact mucosa-associated microbial communities of human colon

Appl Microbiol Biotechnol 88(6):1333-42 (2010)

<http://www.springerlink.com/content/6872721w5042721/>

Wang Y, Masaki T, Khan SG, Tamura D, Kuschal C, Rogers M, DiGiovanna JJ, Kraemer KH:

Four-dimensional, dynamic mosaicism is a hallmark of normal human skin that permits mapping of the organization and patterning of human epidermis during terminal differentiation

PLoS One. 2018 Jun 13;13(6):e0198011. doi: 10.1371/journal.pone.0198011. eCollection 2018.

<http://dx.plos.org/10.1371/journal.pone.0198011>

Wang Y, Robinson PS, Coorens THH, Moore L, Lee-Six H, Noorani A, Sanders MA, Jung H, Katainen R, Heuschkel R, Brunton-Sim R, Weston R, Read D, Nobbs B, Fitzgerald RC, Saeb-Parsy K, Martincorena I, Campbell PJ, Rushbrook S, Zilbauer M, Buczaccki SJA, Stratton MR:

APOBEC mutagenesis is a common process in normal human small intestine

Nat Genet. 2023 Jan 26. doi: 10.1038/s41588-022-01296-5.

<https://www.nature.com/articles/s41588-022-01296-5>

Wang Y, Wu RC, Schwartz LE, Haley L, Lin MT, Shih IM, Kurman RJ:

Clonality Analysis of Combined Brenner and Mucinous Tumours of the Ovary Reveals Their Monoclonal Origin

J Pathol. 2015 Jun 12. doi: 10.1002/path.4572.

<http://dx.doi.org/10.1002/path.4572>

Wang Z, Zhang L, He L, Cui D, Liu C, Yin L, Zhang M, Jiang L, Gong Y, Wu W, Liu B, Li X, Cram DS, Liu D:

Low-depth whole genome sequencing reveals copy number variations associated with higher pathologic grading and more aggressive subtypes of lung non-mucinous adenocarcinoma

Chin J Cancer Res. 2020 Jun;32(3):334-346. doi: 10.21147/j.issn.1000-9604.2020.03.05.

<https://www.ncbi.nlm.nih.gov/pmc/articles/pmid/32694898/>

Watanabe U, Abe H, Futamura N, Shinohara K, Funada R, Nakaba S, Yamagishi Y:

Variation of Gene Expression of Tubulin Isotypes in the Tree Cambium

Growth dynamics & morphogenesis Monday 30 November 11:00-12:40

<https://hal.inrae.fr/hal-03250254/document#page=34>

Wei, M., Grushko, T.A., Dignam, J., Hagos, F., Nanda, R., Sveen, L., Xu, J., Fackenthal, J., Tretiakova, M., Das, S., and Olopade, O.I.:

BRCA1 promoter methylation in sporadic breast cancer is associated with reduced BRCA1 copy number and chromosome 17 aneusomy

Cancer Res 65(23): 10692-10699 (2005)

<http://cancerres.aacrjournals.org/content/65/23/10692.long>

Wilkinson PD, Alencastro F, Delgado ER, Leek MP, Weirich MP, Otero PA, Roy N, Brown WK, Oertel M, Duncan AW:

Polyploid Hepatocytes Facilitate Adaptation and Regeneration to Chronic Liver Injury

Am J Pathol. 2019 Mar 27. pii: S0002-9440(18)30970-2. doi: 10.1016/j.ajpath.2019.02.008.

<https://www.sciencedirect.com/science/article/pii/S0002944018309702#!>

Wiltling SM, Snijders PJ, Verlaet W, Jaspers A, van de Wiel MA, van Wieringen WN, Meijer GA, Kenter GG, Yi Y, le Sage C, Agami R, Meijer CJ, Steenbergen RD:

Altered microRNA expression associated with chromosomal changes contributes to cervical carcinogenesis

Oncogene. 2012 Feb 13. doi: 10.1038/onc.2012.20.

<http://dx.doi.org/10.1038/onc.2012.20>

Winick-Ng W, Kukalev A, Harabula I, Redondo LZ, Szabo D, Meijer M, Serebreni L, Zhang Y, Bianco S, Chiariello AM, Irastorza-Azcarate I, Thieme CJ, Sparks TM, Carvalho S, Fiorillo L, Musella F, Irani E, Triglia ET, Kolodziejczyk AA, Abentung A, Apostolova A, Paul EJ, Franke V, Kempfer R, Akalin A, Teichmann SA, Dechant G, Ungless MA, Nicodemi M, Welch L, Castelo-Branco G, Pombo A:

Cell-type specialization in the brain is encoded by specific long-range chromatin topologies

bioRxiv, 2021; doi: <https://doi.org/10.1101/2020.04.02.020990>

<https://www.biorxiv.org/content/10.1101/2020.04.02.020990v3>

Wu D-D, Lau ATY, Xu Y-M, Reinders-Luinge M, Koncz M, Kiss A, Timens W, Rots MG, and Hylkema MN:
Targeted epigenetic silencing of UCHL1 expression suppresses collagen-1 production in human lung epithelial cells

Epigenetics 2023, VOL. 18, NO. 1, 2175522

<https://doi.org/10.1080/15592294.2023.2175522>

Wu F, Huang D, Wang L, Xu Q, Liu F, Ye X, Meng X, Du X:

92-Gene Molecular Profiling in Identification of Cancer Origin: A Retrospective Study in Chinese Population and Performance within Different Subgroups

PLoS One. 2012;7(6):e39320.

<http://dx.plos.org/10.1371/journal.pone.0039320>

Wu L, Xu X, Sharma B, Wang W, Qu X, Zhu L, Zhang H, Song Y, Yang C:

Beyond Capture: Circulating Tumor Cell Release and Single-Cell Analysis

Small Methods, 14 Feb 2019, <https://doi.org/10.1002/smt.201800544>

<https://onlinelibrary.wiley.com/doi/abs/10.1002/smt.201800544>

Wu RC, Wang P, Lin SF, Zhang M, Song Q, Chu T, Wang BG, Kurman RJ, Vang R, Kinzler K, Tomasetti C, Jiao Y, Shih IM, Wang TL:

Genomic landscape and evolutionary trajectories of ovarian cancer early precursor lesions

J Pathol. 2018 Dec 17. doi: 10.1002/path.5219.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/path.5219>

Xi Y, Zhang S:

Protocol for constructing whole-genome libraries from mini-biopsies by using laser capture microdissection

STAR Protoc. 2024 Oct 15;5(4):103396. doi: 10.1016/j.xpro.2024.103396.

<https://doi.org/10.1016/j.xpro.2024.103396>

Xiao, W., Zhang, Q., Jiang, F., Pins, M., Kozlowski, J.M., and Wang, Z.:

Suppression of prostate tumor growth by U19, a novel testosterone-regulated apoptosis inducer

Cancer Res 63(15): 4698-4704 (2003)

<http://cancerres.aacrjournals.org/content/63/15/4698.long>

Xu, A.M., Zhang, S.H., Zheng, J.M., Zheng, W.Q., and Wu, M.C.:

Pathological and molecular analysis of sporadic hepatic angiomyolipoma

Hum Pathol 37(6): 735-741 (2006)

<http://www.humanpathol.com/article/S0046-8177%2806%2900076-1/abstract>

Xu C, Xu X, Shao W, Sun H, Liu X, Feng H, Zuo X, Gao J, Wang G, Yang X, Gu R, Ge S, Wang S, Gao L, Zhu G:

CTCs Detection and Whole-exome Sequencing Might Be Used to Differentiate Benign and Malignant Pulmonary Nodules

Zhongguo Fei Ai Za Zhi. 2023 Jun 20;26(6):449-460. doi: 10.3779/j.issn.1009-3419.2023.106.12.
<https://doi.org/10.3779/j.issn.1009-3419.2023.106.12>

Xue Y, Liu L, Zhang Y, He Y, Wang J, Ma Z, Li TJ, Zhang J, Huang Y, Gao YQ:

Unraveling the key role of chromatin structure in cancer development through epigenetic landscape characterization of oral cancer

Mol Cancer. 2024 Sep 6;23(1):190. doi: 10.1186/s12943-024-02100-0.
<https://doi.org/10.1186/s12943-024-02100-0>

Xydia M, Rahbari R, Ruggiero E, Macaulay I, Tarabichi M, Lohmayer R, Wilkening S, Michels T, Brown D, Vanuytven S, Mastitskaya S, Laidlaw S, Grabe N, Pritsch M, Fronza R, Hexel K, Schmitt S, Müller-Steinhardt M, Halama N, Domschke C, Schmidt M, von Kalle C, Schütz F, Voet T, Beckhove P.

Common clonal origin of conventional T cells and induced regulatory T cells in breast cancer patients

Nat Commun. 2021 Feb 18;12(1):1119. doi: 10.1038/s41467-021-21297-y.
<https://www.nature.com/articles/s41467-021-21297-y>

Yafune A, Kawai M, Itahashi M, Kimura M, Nakane F, Mitsumori K, Shibutani M:

Global DNA methylation screening of liver in piperonyl butoxide-treated mice in a two-stage hepatocarcinogenesis model

Toxicol Lett. 2013 Aug 19. pii: S0378-4274(13)01278-2. doi: 10.1016/j.toxlet.2013.08.006.
<http://www.sciencedirect.com/science/article/pii/S0378427413012782>

Yagi K, Tsuchiya A, Hashimoto S, Kato T, Onodera O, Terai S:

Pyloric-gland metaplasia may be an origin of cancer and intestinal metaplasia with possible CDX2 expression

Gastroenterology Report, 2020 Dec 10, goaa061, <https://doi.org/10.1093/gastro/goaa061>
<https://academic.oup.com/gastro/advance-article/doi/10.1093/gastro/goaa061/6029607>

Yamada T, Hasegawa S, Iwata Y, Arima M, Kobayashi T, Numata S, Nakata S, Sugiura K, Akamatsu H:

UV irradiation-induced DNA hypomethylation around WNT1 gene: implications for solar lentigines

Exp Dermatol. 2019 Apr 25. doi: 10.1111/exd.13949.
<https://onlinelibrary.wiley.com/doi/pdf/10.1111/exd.13949>

Yamagata T, Watanabe K, Yamanoi K, Kakiuchi N, Mizuno R, Taki M, Murakami R, Yamaguchi K, Hamanishi J, Itoh H, Ogawa S, Mandai M

Origin of Endometrioid Carcinoma Adjacent to Extraovarian Endometriosis: Detailed Molecular Analyses.

Int J Gynecol Pathol. 2025 Jul 29. doi: 10.1097/PGP.0000000000001128.
<https://doi.org/10.1097/pgp.0000000000001128>

Yamagata T, Watanabe K, Yamanoi K, Kakiuchi N, Ogura J, Taki M, Murakami R, Yamaguchi K, Hamanishi J, Minamiguchi S, Ogawa S, Mandai M:

Origin of Peritoneal Cancer With Features of High-grade Serous Carcinoma: A Detailed Molecular Analysis

Int J Gynecol Pathol. 2024 Sep 10. doi: 10.1097/PGP.0000000000001069.
<https://doi.org/10.1097/pgp.0000000000001069>

Yamaguchi M, Nakaoka H, Suda K, Yoshihara K, Ishiguro T, Yachida N, Saito K, Ueda H, Sugino K, Mori Y, Yamawaki K, Tamura R, Revathidevi S, Motoyama T, Tainaka K, Verhaak RGW, Inoue I, Enomoto T:

Spatiotemporal dynamics of clonal selection and diversification in normal endometrial epithelium.

Nat Commun. 2022 Feb 17;13(1):943. doi: 10.1038/s41467-022-28568-2.
<https://www.nature.com/articles/s41467-022-28568-2.pdf>

Yamamoto S, Tsuda H, Suzuki K, Takano M, Tamai S, Matsubara O:
An allelotype analysis indicating the presence of two distinct ovarian clear-cell carcinogenic pathways: endometriosis-associated pathway vs. clear-cell adenofibroma-associated pathway
Virchows Arch. 2009 Sep;455(3):261-70
<http://www.springerlink.com/content/ph8l21053g3w1p13/>

Yamashita S, Hattori N, Fujii S, Yamaguchi T, Takahashi M, Hozumi Y, Kogawa T, El-Omar O, Liu YY, Arai N, Mori A, Higashimoto H, Ushijima T, Mukai H:
Multi-omics analyses identify HSD17B4 methylation-silencing as a predictive and response marker of HER2-positive breast cancer to HER2-directed therapy
Sci Rep. 2020 Sep 23;10(1):15530. doi: 10.1038/s41598-020-72661-9.
<https://www.nature.com/articles/s41598-020-72661-9>

Yanai R, Mulki L, Hasegawa E, Takeuchi K, Sweigard H, Suzuki J, Gaissert P, Vavvas DG, Sonoda KH, Rothe M, Schunck WH, Miller JW, Connor KM:
Cytochrome P450-generated metabolites derived from ω -3 fatty acids attenuate neovascularization
PNAS (2014), DOI: 10.1073/pnas.1401191111
<http://www.pnas.org/content/early/2014/06/11/1401191111.full.pdf>

Yanazume S, Kirita Y, Kobayashi Y, Kitazono I, Akahane T, Mizuno M, Togami S, Tanimoto A, Kobayashi H:
Can endometrial cytology identify patients who would benefit from immunotherapy?
Acta Cytol. 2024 Mar 12. doi: 10.1159/000538288.
<https://doi.org/10.1159/000538288>

Yang H, Xu C, Tang Y, Wan C, Liu W, Wang L:
The significance of multiplex PCR/heteroduplex analysis-based TCR- γ gene rearrangement combined with laser-capture microdissection in the diagnosis of early mycosis fungoides
J Cutan Pathol. 2012 Mar;39(3):337-46. doi: 10.1111/j.1600-0560.2011.01842.x
<http://dx.doi.org/10.1111/j.1600-0560.2011.01842.x>

Yang M, Tao X, Shiny T, Zhao T, Scott RT, Seli E:
Analysis of accessible chromatin landscape in the inner cell mass and trophectoderm of human blastocysts
Mol Hum Reprod. 2020 Jul 14;gaaa048. doi: 10.1093/molehr/gaaa048.
<https://academic.oup.com/molehr/article-lookup/doi/10.1093/molehr/gaaa048>

Yang X, Song Y, Liang T, Wang Q, Li R, Liu W:
Application of laser capture microdissection and PCR sequencing in the diagnosis of *Coccidioides* spp. infection: A case report and literature review in China
Emerg Microbes Infect. 2021 Feb 12;1-29. doi: 10.1080/22221751.2021.1889931.
<https://www.tandfonline.com/doi/pdf/10.1080/22221751.2021.1889931>

Yardy GW, Bicknell DC, Wilding JL, Bartlett S, Liu Y, Winney B, Turner GD, Brewster SF, Bodmer WF:
Mutations in the AXIN1 Gene in Advanced Prostate Cancer
Eur Urol 56(3):486-94 (2009)
<http://www.europeanurology.com/article/S0302-2838%2808%2900638-6>

Yoshida N, Miyoshi H, Arakawa F, Nakashima K, Kawamoto K, Seto M, Ohshima K:
Cytokine-related genes play critical roles in extrafollicular growth of follicular lymphoma cells
Hematol Oncol. 2020 Aug 24. doi: 10.1002/hon.2795.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/hon.2795>

Yu H, Koilkonda RD, Chou TH, Porciatti V, Mehta A, Hentall ID, Chiodo VA, Boye SL, Hauswirth WW, Lewin AS, Guy J:

Consequences of zygote injection and germline transfer of mutant human mitochondrial DNA in mice

Proc Natl Acad Sci U S A. 2015 Oct 20;112(42):E5689-98. doi: 10.1073/pnas.1506129112.
<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=26438859>

Yu H, Sant DW, Wang G, Guy J:

Mitochondrial Transfer of the Mutant Human ND6T14484C Gene Causes Visual Loss and Optic Neuropathy

Translational Vision Science & Technology October 2020, Vol.9, 1. doi:<https://doi.org/10.1167/tvst.9.11.1>
<https://tvst.arvojournals.org/article.aspx?articleid=2770854>

Yu-Wai-Man P, Lai-Cheong J, Borthwick GM, He L, Taylor GA, Greaves LC, Taylor RW, Griffiths PG, Turnbull DM:

Somatic mitochondrial DNA deletions accumulate to high levels in aging human extraocular muscles

Invest Ophthalmol Vis Sci 51(7):3347-53 (2010)
<http://www.iovs.org/content/51/7/3347.short>

Yumisashi R, Saito R, Togami S, Kobayashi Y, Kitazono I, Tanimoto A, Kobayashi H:

Molecular biological analysis revealed a case of synchronous endometrial and ovarian cancer with different histological grade as metastatic ovarian cancer from endometrial cancer: Case report and review of literature

J Obstet Gynaecol Res. 2023 Aug 21. doi: 10.1111/jog.15773.
<https://doi.org/10.1111/jog.15773>

Zammarchi, F., Pistello, M., Piersigilli, A., Murr, R., Di Cristofano, C., Naccarato, A.G., and Bevilacqua, G.:
MMTV-like sequences in human breast cancer: a fluorescent PCR/laser microdissection approach

J Pathol 209(4): 436-444 (2006)
<http://onlinelibrary.wiley.com/doi/10.1002/path.1997/full>

Zelissen R, Ahmadian S, Montilla-Rojo J, Timmer E, Ummelen M, Hopman A, Smeets H and van Tienen F:

Fusion of Wild-Type Mesoangioblasts with Myotubes of mtDNA Mutation Carriers Leads to a Proportional Reduction in mtDNA Mutation Load

Int. J. Mol. Sci. 2023, 24, 2679.
<https://doi.org/10.3390/ijms24032679>

Zhang A, Zhang J, Li X, Zhou X, Feng Y, Zhu L, Zhang H, Sun L, Li T:

Deciphering odontogenic myxoma: The role of copy number variations as diagnostic signatures

Journal of Zhejiang University SCIENCE B · September 2024
<https://doi.org/10.1631/jzus.B2400081>

Zhang C, Zhang L, Xu T, Xue R, Yu L, Zhu Y, Wu Y, Zhang Q, Li D, Shen S, Tan D, Bai F, Zhang H:

Mapping the spreading routes of lymphatic metastases in human colorectal cancer

Nat Commun. 2020 Apr 24;11(1):1993. doi: 10.1038/s41467-020-15886-6.
<https://www.nature.com/articles/s41467-020-15886-6.pdf>

Zhang L, Xu Z, Jing J, Chai G, Xie G, Ru Y, Lv Q, Zuo X, Zhang Q, Chen J, Jin H, Liu N, Kong M, Shen B, Liu M, Jiang L, Wang X, Zhang Y, Jiang M:

Age-dependent accumulation of mitochondrial tRNA mutations in mouse kidneys linked to mitochondrial kidney diseases

Nat Aging. 2025 Jun 27. doi: 10.1038/s43587-025-00909-y.
<https://doi.org/10.1038/s43587-025-00909-y>

Zhang M, Zhuang G, Sun X, Shen Y, Wang W, Li Q, Di W:

TP53 mutation-mediated genomic instability induces the evolution of chemoresistance and recurrence in epithelial ovarian cancer

Diagn Pathol. 2017 Feb 2;12(1):16. doi: 10.1186/s13000-017-0605-8.

<https://diagnosticpathology.biomedcentral.com/articles/10.1186/s13000-017-0605-8>

Zhang, Q., Rubenstein, J.N., Jang, T.L., Pins, M., Javonovic, B., Yang, X., Kim, S.J., Park, I., and Lee, C.:
Insensitivity to transforming growth factor-beta results from promoter methylation of cognate receptors in human prostate cancer cells (LNCaP)

Mol Endocrinol 19(9): 2390-2399 (2005)

<http://mend.endojournals.org/cgi/content/full/19/9/2390>

Zhang XR, Ma T, Wang YC, Hu S, Yang Y:

Development of a Novel Method for the Clinical Visualization and Rapid Identification of Multidrug-Resistant *Candida auris*

Microbiol Spectr. 2023 Apr 26:e0491222. doi: 10.1128/spectrum.04912-22.

<https://doi.org/10.1128/spectrum.04912-22>

Zheng C, Fass JN, Shih YP, Gunderson AJ, Sanjuan Silva N, Huang H, Bernard BM, Rajamanickam V, Slagel J, Bifulco CB, Piening B, Newell PHA, Hansen PD, Tran E:

Transcriptomic profiles of neoantigen-reactive T cells in human gastrointestinal cancers

Cancer Cell. 2022 Apr 11;40(4):410-423.e7. doi: 10.1016/j.ccell.2022.03.005.

<https://www.sciencedirect.com/science/article/pii/S1535610822001209>

Zheng Q, Capell B, Parekh V, O'Day C, Atillasoy C, Bashir HM, Yeh C, Shim EH, Prouty SM, Dentchev T, Lee V, Wushanley L, Kweon Y, Suzuki-Horiuchi Y, Pear W, Grice EA, Seykora JT:

Whole exome and transcriptome analysis of UV-exposed epidermis and carcinoma in situ reveals early drivers of carcinogenesis

J Invest Dermatol. 2020 Jul 7:S0022-202X(20)31736-X. doi: 10.1016/j.jid.2020.05.116.

<https://www.sciencedirect.com/science/article/abs/pii/S0022202X2031736X>

Zhou FC, Resendiz M, Lo CL, Chen Y:

Cell-Wide DNA De-Methylation and Re-Methylation of Purkinje Neurons in the Developing Cerebellum

PLoS One. 2016 Sep 1;11(9):e0162063. doi: 10.1371/journal.pone.0162063. eCollection 2016.

<http://dx.plos.org/10.1371/journal.pone.0162063>

Zhou J, Lin L, Xia G, Wang C:

The transcriptome reveals the molecular regulatory network of primordial follicle depletion in obese mice

Fertil Steril. 2023 May 27:S0015-0282(23)00541-1. doi: 10.1016/j.fertnstert.2023.05.165.

<https://doi.org/10.1016/j.fertnstert.2023.05.165>

Zhu J, Wang Y, Gong L, Huang G

Diagnosis of primary pulmonary T- cell/histiocyte-rich large B cell lymphoma with tissue eosinophilia via clinicopathological observation and molecular assay

Diagn Pathol. 2014 Oct 2;9(1):188.

<http://www.diagnosticpathology.org/content/pdf/s13000-014-0188-6.pdf>

Zhu Y, Zou C, Zhang J, Jiang W, Guan F, Tang K, Li S, Li G, Wang J, Ke Z:

Dynamically Monitoring the Clonal Evolution of Lung Cancer Based on the Molecular Characterization of Circulating Tumor Cells using Aptamer Cocktail-Modified Nanosubstrates

ACS Appl Mater Interfaces. 2020 Jan 15. doi: 10.1021/acsami.9b22234.

<https://dx.doi.org/10.1021/acsami.9b22234>

Zhu Z, Wang W, Lin F, Jordan T, Li G, Silverman S, Qiu S, Joy AA, Chen C, Hockley DL, Zhang X, Zhou Q, Postovit LM, Zhang X, Hou Y, Mackey JR, Li B, Ka-Shu Wong G:

Genome profiles of lymphovascular breast cancer cells reveal multiple clonally differentiated outcomes with multi-regional LCM and G&T-seq

bioRxiv 807156; doi: <https://doi.org/10.1101/807156>

<https://www.biorxiv.org/content/10.1101/807156v2>

Zhu Z, Wang W, Lin F, Jordan T, Li G, Silverman S, Qiu S, Joy AA, Chen C, Hockley DL, Zhang X, Zhou Q, Postovit LM, Zhang X, Hou Y, Mackey JR, Li B, Ka-Shu Wong G:

Genome profiles of pathologist-defined cell clusters by multiregional LCM and G&T-seq in one triple-negative breast cancer patient

Cell Reports Medicine, Vol 2, Issue 10, 19 Oct 2021, 100404

<https://www.sciencedirect.com/science/article/pii/S2666379121002627>

Zong L1, Hattori N, Yoda Y, Yamashita S, Takeshima H, Takahashi T, Maeda M, Katai H, Nanjo S, Ando T, Seto Y, Ushijima T:

Establishment of a DNA methylation marker to evaluate cancer cell fraction in gastric cancer

Gastric Cancer. 2015 Feb 13.

<http://dx.doi.org/10.1007/s10120-015-0475-2>

3. RNA-Research

Abe J, Ueha S, Yoneyama H, Shono Y, Kurachi M, Goto A, Fukayama M, Tomura M, Kakimi K, Matsushima K:

B cells regulate antibody responses through the medullary remodeling of inflamed lymph nodes

Int Immunol. 2012 Jan;24(1):17-27.

<http://intimm.oxfordjournals.org/content/24/1/17.short>

Abbott E, Hall D, Hamberger B, Bohlmann J.:

Laser microdissection of conifer stem tissues: isolation and analysis of high quality RNA, terpene synthase enzyme activity and terpenoid metabolites from resin ducts and cambial zone tissue of white spruce (*Picea glauca*).

BMC Plant Biol 10: 106 (2010)

<http://www.biomedcentral.com/1471-2229/10/106>

Acha-Sagredo A, Andrei P, Clayton K, Taggart E, Antoniotti C, Woodman CA, Afrache H, Fourny C, Armero M, Moinudeen HK, Green M, Bhardwaj N, Mikolajczak A, Rodriguez-Lopez M, Crawford M, Connick E, Lim S, Hobson P, Linares J, Ignatova E, Pelka D, Smyth EC, Diamantis N, Sosnowska D, Carullo M, Ciraci P, Bergamo F, Intini R, Nye E, Barral P, Mishto M, Arnold JN, Lonardi S, Cremolini C, Fontana E, Rodriguez-Justo M, Ciccarelli FD:

A constitutive interferon-high immunophenotype defines response to immunotherapy in colorectal cancer

Cancer Cell. 2025 Jan 13:S1535-6108(24)00483-5. doi: 10.1016/j.ccell.2024.12.008.

<https://doi.org/10.1016/j.ccell.2024.12.008>

Aguila J, Cheng S, Kee N, Cao M, Deng Q, Hedlund E:

Spatial transcriptomics and in silico random pooling identify novel markers of vulnerable and resistant dopamine neurons

bioRxiv 334417; Mar 2018; doi: <https://doi.org/10.1101/334417>

<https://www.biorxiv.org/content/early/2018/11/19/334417>

Agusti J, Lichtenberger R, Schwarz M, Nehlin L, Greb T:

Characterization of transcriptome remodeling during cambium formation identifies MOL1 and RUL1 as opposing regulators of secondary growth

PLoS Genet. 2011 Feb;7(2):e1001312

<http://www.plosgenetics.org/article/info%3Adoi%2F10.1371%2Fjournal.pgen.1001312>

Ai J, Pascal LE, O'Malley KJ, Dar JA, Isharwal S, Qiao Z, Ren B, Rigatti LH, Dhir R, Xiao W, Nelson JB, Wang Z:

Concomitant loss of EAF2/U19 and Pten synergistically promotes prostate carcinogenesis in the mouse model

Oncogene. 2013 May 27. doi: 10.1038/onc.2013.190.

<http://dx.doi.org/10.1038/onc.2013.190>

Aikawa S, Hiraoka T, Matsuo M, Fukui Y, Fujita H, Saito-Fujita T, Shimizu-Hirota R, Takeda N, Hiratsuka D, He X, Ishizawa C, Iida R, Akaeda S, Harada M, Wada-Hiraike O, Ikawa M, Osuga Y, Hirota Y:

Spatiotemporal functions of leukemia inhibitory factor in embryo attachment and implantation chamber formation

Cell Death Discov. 2024 Nov 25;10(1):481. doi: 10.1038/s41420-024-02228-4.

<https://doi.org/10.1038/s41420-024-02228-4>

Aikawa S, Hirota Y, Fukui Y, Ishizawa C, Iida R, Kaku T, Hirata T, Akaeda S, Hiraoka T, Matsuo M, Osuga Y:

A gene network of uterine luminal epithelium organizes mouse blastocyst implantation

Reproductive Medicine and Biology, 2022 Jan 05; Volume21, Issue1; e12435

<https://doi.org/10.1002/rmb2.12435>

Aizawa S, Gu T, Kaminoda A, Fujioka R, Ojima F, Sakata I, Sakai T, Ogoshi M, Takahashi S, Takeuchi S

Adenosine stimulates neuromedin U mRNA expression in the rat pars tuberalis

Mol Cell Endocrinol. 2019 Jul 22;496:110518. doi: 10.1016/j.mce.2019.110518.

<https://www.sciencedirect.com/science/article/pii/S0303720719302205#!>

Aizawa S, Higaki Y, Dudaui A, Nagasaka M, Takahashi S, Sakata I, Sakai T:

Identification of marker genes for pars tuberalis morphogenesis in chick embryo: expression of Cytokine-like 1 and Gap junction protein alpha 5 in pars tuberalis

Cell Tissue Res. 2016 Sep 3.

<http://dx.doi.org/10.1007/s00441-016-2484-9>

Aizawa S, Sakata I, Nagasaka M, Higaki Y, Sakai T:

Negative Regulation of Neuromedin U mRNA Expression in the Rat Pars Tuberalis by Melatonin

PLoS ONE 8(7): e67118. doi:10.1371/journal.pone.0067118

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0067118>

Aizawa S, Sakai T, Sakata I:

Glutamine and glutamic acid enhance thyroid-stimulating hormone β subunit mRNA expression in the rat pars tuberalis

J Endocrinol. 2012 Mar;212(3):383-94. doi: 10.1530/JOE-11-0388.

<http://joe.endocrinology-journals.org/cgi/pmidlookup?view=long&pmid=22219301>

Akiyoshi T, Wang Z, Kaneyasu T, Gotoh O, Tanaka N, Amino S, Yamamoto N, Kawachi H, Mukai T, Hiyoshi Y, Nagasaki T, Yamaguchi T, Konishi T, Fukunaga Y, Noda T, Mori S

Transcriptomic Analyses of Pretreatment Tumor Biopsy Samples, Response to Neoadjuvant Chemoradiotherapy, and Survival in Patients With Advanced Rectal Cancer

JAMA Netw Open. 2023 Jan 3;6(1):e2252140. doi: 10.1001/jamanetworkopen.2022.52140.

<https://doi.org/10.1001/jamanetworkopen.2022.52140>

Al Nabhani Z, Berrebi D, Martinez-Vinson C, Montcuquet N, Dietrich G, Singh G, Turner JR, Madre C, Roy M, Ogier-Denis E, Dussaillant M, Cerf-Bensussan N, Zouali H, Jung C, Daniel F, Barreau F, Hugot J-P:

Nod2 protects remote small intestinal sites in case of colonic inflammation

bioRxiv, 3 Jan 2019, <https://doi.org/10.1101/510933>

<https://www.biorxiv.org/content/10.1101/510933v1.abstract>

Al Nabhani Z, Berrebi D, Martinez-Vinson C, Montcuquet N, Madre C, Roy M, Ogier-Denis E, Dussaillant M, Cerf-Bensussan N, Zouali H, Daniel F, Barreau F, Hugot JP:

Nod2 protects the gut from spreading experimental colitis to small intestine

J Crohns Colitis. 2019 Nov 30. pii: jjz196. doi: 10.1093/ecco-jcc/jjz196.

<https://academic.oup.com/ecco-jcc/advance-article-abstract/doi/10.1093/ecco-jcc/jjz196/5648102>

Allred MJ, Penikalapati SC, Lee SH, Heguy A, Roussos P, Ginsberg S:

Proling Basal Forebrain Cholinergic Neurons Reveals a Molecular Basis for Vulnerability Within the Ts65Dn Model of Down Syndrome and Alzheimer's Disease

Research Square, BMC Molecular Neurodegeneration, 9 Oct 2020

<https://www.researchsquare.com/article/rs-88218/v1>

Allred MJ, Pidikiti H, Heguy A, Roussos P, Ginsberg SD:

Basal forebrain cholinergic neurons are vulnerable in a mouse model of Down syndrome and their molecular fingerprint is rescued by maternal choline supplementation

FASEB J. 2023 Jun;37(6):e22944. doi: 10.1096/fj.202202111RR.

<https://doi.org/10.1096/fj.202202111rr>

Allred MJ, Pidikiti H, Ibrahim KW, Lee SH, Heguy A, Hoffman GE, Roussos P, Wisniewski T, Wegiel J, Stutzmann GE, Mufson EJ, Ginsberg SD:

Analysis of microisolated frontal cortex excitatory layer III and V pyramidal neurons reveals a neurodegenerative phenotype in individuals with Down syndrome

Acta Neuropathol. 2024 Aug 6;148(1):16. doi: 10.1007/s00401-024-02768-0.

<https://doi.org/10.1007/s00401-024-02768-0>

Allen, C.D., Ansel, K.M., Low, C., Lesley, R., Tamamura, H., Fujii, N., and Cyster, J.G.:

Germinal center dark and light zone organization is mediated by CXCR4 and CXCR5

Nat Immunol 5(9): 943-952 (2004)

<http://www.nature.com/nature/journal/v5/n9/full/ni1100.html>

Almeida D, Turecki G:

Profiling cell-type specific gene expression in post-mortem human brain samples through laser capture microdissection

Methods. 2022 Sep 2:S1046-2023(22)00196-7. doi: 10.1016/j.ymeth.2022.08.013.

<https://www.sciencedirect.com/science/article/pii/S1046202322001967>

Amano K, Kitaoka Y, Kato S, Fujiwara M, Okuzaki D, Aikawa T, Kogo M, Iida S:

Pth1r Signal in Gli1+ Cells Maintains Postnatal Cranial Base Synchronosis

J Dent Res. 2023 Aug 14:220345231184405. doi: 10.1177/00220345231184405.

<https://doi.org/10.1177/00220345231184405>

Anderle, P., Rumbo, M., Sierro, F., Mansourian, R., Michetti, P., Roberts, M.A., and Kraehenbuhl, J.P.:

Novel markers of the human follicle-associated epithelium identified by genomic profiling and microdissection

Gastroenterology 129(1): 321-327 (2005)

[http://www.gastrojournal.org/article/S0016-5085\(05\)00567-6/fulltext](http://www.gastrojournal.org/article/S0016-5085(05)00567-6/fulltext)

Anderle, P., Sengstag, T., Mutch, D.M., Rumbo, M., Praz, V., Mansourian, R., Delorenzi, M., Williamson, G., and Roberts, M.A.:

Changes in the transcriptional profile of transporters in the intestine along the anterior-posterior and crypt-villus axes

BMC Genomics 6(1): 69 (2005)

<http://www.biomedcentral.com/1471-2164/6/69>

André EM, Daviaud N, Sindji L, Cayon J, Perrot R, Montero-Menei CN:

A novel ex vivo Huntington's disease model for studying GABAergic neurons and cell grafts by laser microdissection

PLoS One. 2018 Mar 5;13(3):e0193409. doi: 10.1371/journal.pone.0193409. eCollection 2018.

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0193409>

Andreska T, Rauskolb S, Scheffler N, Lüningschrör P, Sasi M, Signoret-Genest J, Behringer M, Blum R, Sauer M, Tovote P, Sendtner M:

Induction of BDNF expression in layer II/III and layer V neurons of the motor cortex is essential for motor learning

J Neurosci. 2020 Jul 10;JN-RM-0288-20. doi: 10.1523/JNEUROSCI.0288-20.2020.

<https://www.jneurosci.org/content/jneuro/early/2020/07/10/JNEUROSCI.0288-20.2020.full.pdf>

Anusornvongchai T, Nangaku M, Jao TM, Wu CH, Ishimoto Y, Maekawa H, Tanaka T, Shimizu A, Yamamoto M, Suzuki N, Sassa R, Inagi R:

Palmitate deranges erythropoietin production via transcription factor ATF4 activation of unfolded protein response

Kidney Int. 2018 Jun 7. pii: S0085-2538(18)30250-3. doi: 10.1016/j.kint.2018.03.011.
<https://www.sciencedirect.com/science/article/pii/S0085253818302503>

Ao T, Mochizuki S, Kajiwar Y, Yonemura K, Shiraishi T, Nagata K, Shinto E, Okamoto K, Nearchou IP, Shimazaki H, Kishi Y, Okada Y, Ueno H:
Cancer-associated fibroblasts at the unfavorable desmoplastic stroma promote colorectal cancer aggressiveness: potential role of ADAM9
Int J Cancer. 2022 Jan 26. doi: 10.1002/ijc.33947.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/ijc.33947>

Aoyama M, Kakita H, Kato S, Tomita M, Asai K:
Region-specific expression of a water channel protein, aquaporin 4, on brain astrocytes
J Neurosci Res. 2012 Aug 18. doi: 10.1002/jnr.23117.
<http://dx.doi.org/10.1002/jnr.23117>

Appelbaum T, Smith DA, Takahashi K, Kwok JC, Sorenson H, Beltran WA:
Impact of PEGylation and hyaluronan functionalization on lipoplex-mediated mRNA delivery to the canine retina
Drug Deliv. 2025 Dec;32(1):2544688. doi: 10.1080/10717544.2025.2544688.
<https://doi.org/10.1080/10717544.2025.2544688>

Archer A, Sauvaget D, Chauffeton V, Bouchet PE, Chambaz J, Pinçon-Raymond M, Cardot P, Ribeiro A, Lacasa M:
Intestinal apolipoprotein A-IV gene transcription is controlled by two hormone-responsive elements: a role for hepatic nuclear factor-4 isoforms
Mol Endocrinol. 2005 Sep;19(9):2320-34.
<http://mend.endojournals.org/content/19/9/2320.long>

Arcila ML, Betizeau M, Cambronne XA, Guzman E, Doerflinger N, Bouhallier F, Zhou H, Wu B, Rani N, Bassett DS, Borello U, Huissoud C, Goodman RH, Dehay C, Kosik K:
Novel Primate miRNAs Coevolved with Ancient Target Genes in Germinal Zone-Specific Expression Patterns
Neuron. 2014 Feb 25. pii: S0896-6273(14)00022-1. doi: 10.1016/j.neuron.2014.01.017.
<http://www.sciencedirect.com/science/article/pii/S0896627314000221>

Argyropoulos AJ, Robichaud P, Balimunkwe RM, Fisher GJ, Hammerberg C, Yan Y, Quan T :
Alterations of Dermal Connective Tissue Collagen in Diabetes: Molecular Basis of Aged-Appearing Skin
PLoS One. 2016 Apr 22;11(4):e0153806. doi: 10.1371/journal.pone.0153806. eCollection 2016.
<http://dx.plos.org/10.1371/journal.pone.0153806>

Arion D, Corradi JP, Tang S, Datta D, Boothe F, He A, Cacace AM, Zaczek R, Albright CF, Tseng G, Lewis DA :
Distinctive transcriptome alterations of prefrontal pyramidal neurons in schizophrenia and schizoaffective disorder
Mol Psychiatry. 2015 Jan 6. doi: 10.1038/mp.2014.171.
<http://dx.doi.org/10.1038/mp.2014.171>

Artico S, Ribeiro-Alves M, Oliveira-Neto OB, de Macedo LL, Silveira S, Grossi-de-Sa MF, Martinelli AP, Alves-Ferreira M:
Transcriptome analysis of Gossypium hirsutum flower buds infested by cotton boll weevil (Anthonomus grandis) larvae
BMC Genomics. 2014 Oct 4;15(1):854.
<http://www.biomedcentral.com/content/pdf/1471-2164-15-854.pdf>

Aryal YP, Neupane S, Kwak HJ, An CH, Sohn WJ, Yamamoto H, ... Cho SJ:

Unraveling the structure, chemical composition, and conserved signaling in leech teeth

Animal Cells and Systems, 28(1), 272–282. (2024)

<https://doi.org/10.1080/19768354.2024.2350736>

Asai N, Ohkawara B, Ito M, Masuda A, Ishiguro N, Ohno K:

LRP4 induces extracellular matrix productions and facilitates chondrocyte differentiation

Biochem Biophys Res Commun. 2014 Aug 1. pii: S0006-291X(14)01375-8. doi:

10.1016/j.bbrc.2014.07.125.

<http://www.sciencedirect.com/science/article/pii/S0006291X14013758>

Asgeirsdóttir SA, van Solingen C, Kurniati NF, Zwiers PJ, Heeringa P, van Meurs M, Satchell SC, Saleem MA, Mathieson PW, Banas B, Kamps JA, Rabelink TJ, van Zonneveld AJ, Molema G:

MicroRNA-126 contributes to renal microvascular heterogeneity of VCAM-1 protein expression in acute inflammation

Am J Physiol Renal Physiol. 2012 Jun;302(12):F1630-9

<http://ajprenal.physiology.org/content/302/12/F1630.long>

Asrani K, Woo J, Mendes AA, Schaffer E, Vidotto T, Villanueva CR, Feng K, Oliveira L, Murali S, Liu HB, Salles DC, Lam B, Argani P, Lotan TL:

An mTORC1-mediated negative feedback loop constrains amino acid-induced FLCN-Rag activation in renal cells with TSC2 loss

Nat Commun. 2022 Nov 10;13(1):6808. doi: 10.1038/s41467-022-34617-7.

<https://www.nature.com/articles/s41467-022-34617-7>

Asztalos S, Gann PH, Hayes MK, Nonn L, Beam CA, Dai Y, Wiley EL, Tonetti DA:

Gene expression patterns in the human breast after pregnancy

Cancer Prev Res (Phila). 2010 Mar;3(3):301-11

<http://cancerpreventionresearch.aacrjournals.org/content/3/3/301.short>

Atkinson AJ, Logantha SJ, Hao G, Yanni J, Fedorenko O, Sinha A, Gilbert SH, Benson AP, Buckley DL, Anderson RH, Boyett MR, Dobrzynski H:

Functional, anatomical, and molecular investigation of the cardiac conduction system and arrhythmogenic atrioventricular ring tissue in the rat heart

J Am Heart Assoc. 2013 Dec 19;2(6):e000246. doi: 10.1161/JAHA.113.000246.

<http://jaha.ahajournals.org/cgi/pmidlookup?view=long&pmid=24356527>

Aubert MK, Coventry S, Shirley NJ, Betts NS, Würschum T, Burton RA, Tucker MR:

Differences in hydrolytic enzyme activity accompany natural variation in mature aleurone morphology in barley (*Hordeum vulgare* L.)

Sci Rep. 2018 Jul 23;8(1):11025. doi: 10.1038/s41598-018-29068-4.

<http://dx.doi.org/10.1038/s41598-018-29068-4>

Augello C, Gianelli U, Savi F, Moro A, Bonoldi E, Gambacorta M, Vaira V, Baldini L, Bosari S:

MicroRNA as potential biomarker in HCV-associated diffuse large B-cell lymphoma

J Clin Pathol. 2014 Jun 9. pii: jclinpath-2014-202352. doi: 10.1136/jclinpath-2014-202352.

<http://jcp.bmj.com/cgi/pmidlookup?view=long&pmid=24914240>

Augello C, Vaira V, Caruso L, Destro A, Maggioni M, Park YN, Montorsi M, Santambrogio R, Roncalli M, Bosari S:

MicroRNA profiling of hepatocarcinogenesis identifies C19MC cluster as a novel prognostic biomarker in hepatocellular carcinoma

Liver Int. 2012 Mar 19. doi: 10.1111/j.1478-3231.2012.02795.x. [Epub ahead of print]

<http://onlinelibrary.wiley.com/doi/10.1111/j.1478-3231.2012.02795.x/full>

- Aung HH, Altman R, Nyunt T, Kim J, Nuthikattu S, Budamagunta M, Voss JC, Wilson D, Rutledge JC, Villablanca AC:
Induction of Lipotoxic Brain Microvascular Injury is Mediated by Activating Transcription Factor 3-Dependent Inflammatory and Oxidative Stress Pathways
The Journal of Lipid Research, jlr.M061853. Apr 17, doi: 10.1194/jlr.M061853
<http://www.jlr.org/content/early/2016/04/17/jlr.M061853.abstract>
- Ayars M, O'Sullivan E, Macgregor-Das A, Shindo K, Kim H, Borges M, Yu J, Hruban RH, Goggins M:
IL2RG, identified as overexpressed by RNA-seq profiling of pancreatic intraepithelial neoplasia, mediates pancreatic cancer growth
Oncotarget. 2017 Aug 3;8(48):83370-83383. doi: 10.18632/oncotarget.19848.
<http://www.impactjournals.com/oncotarget/misc/linkedout.php?pii=19848>
- Ayoub AE, Dominguez MH, Benoit J, Ortega JA, Radonjic N, Zecevic N, Rakic P:
Coordination of Neuron Production in Mouse and Human Cerebral Cortex by the Homolog of Drosophila Mastermind Protein
Brain Behav Evol. 2019 Aug 15;93(2-3):152-165. doi: 10.1159/000500494.
<https://www.karger.com/Article/PDF/500494>
- Ayoub AE, Oh S, Xie Y, Leng J, Cotney J, Dominguez MH, Noonan JP, Rakic P:
Transcriptional programs in transient embryonic zones of the cerebral cortex defined by high-resolution mRNA sequencing
Proc Natl Acad Sci U S A. 2011 Aug 22
<http://www.pnas.org/content/early/2011/08/19/1112213108.short>
- Azuma M, Suzuki T, Mochida H, Tanaka S, Uchiyama M, Takahashi A, Matsuda K:
Polymorphism of somatolactin-producing cells in the goldfish pituitary: immunohistochemical investigation for somatolactin- α and - β
Cell Tissue Res. 2012 May 22.
<http://dx.doi.org/10.1007/s00441-012-1435-3>
- Badiei A, Sudharsan R, Santana E, Dunaief JL, Aguirre GD:
Comparative localization of cystathionine beta synthases and cystathionine gamma lyase in canine, non-human primate and human retina
Exp Eye Res. 2019 Jan 14;181:72-84. doi: 10.1016/j.exer.2019.01.007. [
<https://www.sciencedirect.com/science/article/pii/S001448351830839X#!>]
- Bainer RO, Veneris JT, Yamada SD, Montag A, Lingen MW, Gilad Y, Rinker-Schaeffer CW:
Time-dependent transcriptional profiling links gene expression to mitogen-activated protein kinase kinase 4 (MKK4)-mediated suppression of omental metastatic colonization
Clin Exp Metastasis. 2012 Feb 21. [Epub ahead of print]
<http://dx.doi.org/10.1007/s10585-011-9448-y>
- Baj G, Del Turco D, Schlaudraff J, Torelli L, Deller T, Tongiorgi E:
Regulation of the spatial code for BDNF mRNA isoforms in the rat hippocampus following pilocarpine-treatment: A systematic analysis using laser microdissection and quantitative real-time PCR
Hippocampus. 2013 Feb 25. doi: 10.1002/hipo.22100.
<http://onlinelibrary.wiley.com/doi/10.1002/hipo.22100/abstract>
- Bakken TE, Miller JA, Ding SL, Sunkin SM, Smith KA, Ng L, Szafer A, Dalley RA, Royall JJ, Lemon T, Shapouri S, Aiona K, Arnold J, Bennett JL, Bertagnoli D, Bickley K, Boe A, Brouner K, Butler S, Byrnes E, Caldejon S, Carey A, Cate S, Chapin M, Chen J, Dee N, Desta T, Dolbeare TA, Dotson N, Ebbert A, Fulfs E, Gee G, Gilbert TL, Goldy J, Gourley L, Gregor B, Gu G, Hall J, Haradon Z, Haynor DR, Hejazinia N, Hoerder-Suabedissen A, Howard R, Jochim J, Kinnunen M, Kriedberg A, Kuan CL, Lau C, Lee CK, Lee F,

Luong L, Mastan N, May R, Melchor J, Mosqueda N, Mott E, Ngo K, Nyhus J, Oldre A, Olson E, Parente J, Parker PD, Parry S, Pendergraft J, Potekhina L, Reding M, Riley ZL, Roberts T, Rogers B, Roll K, Rosen D, Sandman D, Sarreal M, Shapovalova N, Shi S, Sjoquist N, Sodt AJ, Townsend R, Velasquez L, Wagley U, Wakeman WB, White C, Bennett C, Wu J, Young R, Youngstrom BL, Wohnoutka P, Gibbs RA, Rogers J, Hohmann JG, Hawrylycz MJ, Hevner RF, Molnár Z, Phillips JW, Dang C, Jones AR, Amaral DG, Bernard A, Lein ES:

A comprehensive transcriptional map of primate brain development

Nature. 2016 Jul 13. doi: 10.1038/nature18637.

<http://dx.doi.org/10.1038/nature18637>

Balagopal A, Grudda T, Ribeiro RM, Saad YS, Hwang HS, Quinn J, Murphy M, Ward K, Sterling RK, Zhang Y, Perelson AS, Sulkowski MS, Osburn WO, Thio CL:

Single hepatocytes show persistence and transcriptional inactivity of hepatitis B

JCI Insight. 2020 Oct 2;5(19):140584. doi: 10.1172/jci.insight.140584.

<https://insight.jci.org/articles/view/140584>

Balay SD, Hochstoeger T, Vilceanu A, Malkemper EP, Snider W, Dürnberger G, Mechtler K, Schuechner S, Ogris E, Nordmann GC, Ushakova L, Nimpf S, Keays DA:

The expression, localisation and interactome of pigeon CRY2.

Sci Rep. 2021 Oct 13;11(1):20293. doi: 10.1038/s41598-021-99207-x.

<https://www.nature.com/articles/s41598-021-99207-x>

Baldassari S, Klingler E, Teijeiro LG, Doladilha M, Raoux C, Roig-Puiggros S, Bizzotto S, Couturier J, Gilbert A, Sami L, Ribierre T, Aronica E, Adle-Biassette H, Chipaux M, Jabaudon D, Baulac S:

Single-cell genotyping and transcriptomic profiling of mosaic focal cortical dysplasia

Nat Neurosci. 2025 Apr 30. doi: 10.1038/s41593-025-01936-z.

<https://doi.org/10.1038/s41593-025-01936-z>

Balestrini R, Fiorilli V:

Laser Microdissection as a Useful Tool to Study Gene Expression in Plant and Fungal Partners in AM Symbiosis

Methods Mol Biol. 2020;2146:171-184. doi: 10.1007/978-1-0716-0603-2_13.

https://link.springer.com/protocol/10.1007/978-1-0716-0603-2_15

Balestrini R, Sillo F:

Plant-Fungal Interactions: Laser Microdissection as a Tool to Study Cell Specificity

Methods Mol Biol. 2022;2536:369-380. doi: 10.1007/978-1-0716-2517-0_20.

https://link.springer.com/protocol/10.1007/978-1-0716-2517-0_20

Ban N, Siegfried CJ, Lin JB, Shui YB, Sein J, Pita-Thomas W, Sene A, Santeford A, Gordon M, Lamb R, Dong Z, Kelly SC, Cavalli V, Yoshino J, Apte RS:

GDF15 is elevated in mice following retinal ganglion cell death and in glaucoma patients

JCI Insight. 2017 May 4;2(9). pii: 91455. doi: 10.1172/jci.insight.91455.

<https://insight.jci.org/articles/view/91455/pdf>

Bandapalli, O.R., Geheeb, M., Kobelt, D., Kuehnle, K., Elezkurtaj, S., Herrmann, J., Gressner, A.M., Weiskirchen, R., Beule, D., Bluthgen, N., Herzel, H., Franke, C., and Brand, K.:

Global analysis of host tissue gene expression in the invasive front of colorectal liver metastases

Int J Cancer 118(1): 74-89 (2006)

<http://onlinelibrary.wiley.com/doi/10.1002/ijc.21307/full>

Bandyopadhyay U, Cotney J, Nagy M, Oh S, Leng J, Mahajan M, Mane S, Fenton WA, Noonan JP, Horwich AL:

RNA-Seq Profiling of Spinal Cord Motor Neurons from a Presymptomatic SOD1 ALS Mouse

PLoS ONE 8(1): e53575. doi:10.1371/journal.pone.0053575

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0053575>

Bandyopadhyay U, Fenton WA, Horwich AL, Nagy M:

Production of RNA for transcriptomic analysis from mouse spinal cord motor neuron cell bodies by laser capture microdissection

J Vis Exp. 2014 Jan 13;(83). doi: 10.3791/51168.

<http://dx.doi.org/10.3791/51168>

Bao H, Chen H, Zhu X, Zhang M, Yao G, Yu Y, Qin W, Zeng C, Zen K, Liu Z:

MiR-223 downregulation promotes glomerular endothelial cell activation by upregulating importin $\alpha 4$ and $\alpha 5$ in IgA nephropathy

Kidney Int. 2013 Nov 27. doi: 10.1038/ki.2013.469.

<http://www.nature.com/ki/journal/vaop/ncurrent/full/ki2013469a.html>

Bao H, Hu S, Zhang C, Shi S, Qin W, Zeng C, Liu Z:

Inhibition of miRNA-21 prevents fibrogenic activation in podocytes and tubular cells in IgA nephropathy

Biochem Biophys Res Commun. 2014 Jan 24. pii: S0006-291X(14)00089-8.

<http://www.sciencedirect.com/science/article/pii/S0006291X14000898>

Baquedano MS, Garrido NP, Goñi J, Saraco N, Aliberti P, Berensztejn E, Rivarola MA, Belgorosky A:

DNA methylation is not involved in specific down-regulation of HSD3B2, NR4A1 and RAR β genes in androgen-secreting cells of human adrenal cortex

Molecular and Cellular Endocrinology, 23 Sep 2016, ISSN 0303-7207

<http://dx.doi.org/10.1016/j.mce.2016.09.024>

Barrett TJ, Schlegel M, Zhou F, Gorenchtein M, Bolstorff J, Moore KJ, Fisher EA, Berger JS:

Platelet regulation of myeloid suppressor of cytokine signaling 3 accelerates atherosclerosis

Sci Transl Med. 2019 Nov 6;11(517). pii: eaax0481. doi: 10.1126/scitranslmed.aax0481.

<http://stm.sciencemag.org/cgi/pmidlookup?view=short&pmid=31694925>

Barwinska D, El-Achkar TM, Ferreira RM, Syed F, Cheng YH, Winfree S, Ferkowicz MJ, Hato T, Collins KS, Dunn KW, Kelly KJ, Sutton TA, Rovin BH, Parikh SV, Phillips CL, Dagher PC, Eadon MT; Kidney Precision Medicine Project:

Molecular characterization of the human kidney interstitium in health and disease.

Sci Adv. 2021 Feb 10;7(7):eabd3359. doi: 10.1126/sciadv.abd3359. P

<https://advances.sciencemag.org/content/advances/7/7/eabd3359.full.pdf>

Barwinska D, Ferkowicz MJ, Cheng YH, Winfree S, Dunn KW, Kelly KJ, Sutton TA, Rovin BH, Parikh SV, Phillips CL, Dagher PC, El-Achkar TM, Eadon MT; Kidney Precision Medicine Project:

Application of Laser Microdissection to Uncover Regional Transcriptomics in Human Kidney Tissue

J Vis Exp. 2020 Jun 9;(160). doi: 10.3791/61371.

<https://www.jove.com/t/61371/application-laser-microdissection-to-uncover-regional-transcriptomics>

Bateman NW, Abulez T, Soltis AR, McPherson A, Choi S, Garsed DW, Pandey A, Tian C, Hood BL, Conrads KA, Teng PN, Oliver J, Gist G, Mitchell D, Litzi TJ, Tarney CM, Crothers BA, Mhawech-Fauceglia P, Dalgard CL, Wilkerson MD, Pierobon M, Petricoin EF, Yan C, Meerzaman D, Bodelon C, Wentzensen N, Lee JSH; APOLLO Research Network; Huntsman DG, Shah S, Shriver CD, Phippen NT, Darcy KM, Bowtell DDL, Conrads TP, Maxwell GL:

Proteogenomic analysis of enriched HGSOE tumor epithelium identifies prognostic signatures and therapeutic vulnerabilities

NPJ Precis Oncol. 2024 Mar 13;8(1):68. doi: 10.1038/s41698-024-00519-8.

<https://www.nature.com/articles/s41698-024-00519-8>

Baumann B, Acosta AM, Richards Z, Deaton R, Sapatynska A, Murphy A, Kajdacsy-Balla A, Gann PH, Nonn L:

High miR-182 Levels Associate with Low-Risk Prostate Cancer

Am J Pathol. 2019 Jan 28. pii: S0002-9440(18)30384-5. doi: 10.1016/j.ajpath.2018.12.014.

<https://www.sciencedirect.com/science/article/pii/S0002944018303845>

Becette, V., Vignaud, S., Regnier, C., Labroquere, M., Fourme, E., Menet, E., Bieche, I., and Spyrtatos, F.:
Gene transcript assay by real-time RT-PCR in epithelial breast cancer cells selected by laser microdissection

Int J Biol Markers 19(2): 100-108 (2004)

<http://cat.inist.fr/?aModele=afficheN&cpsidt=15941984>

Becker D, Deller T, Vlachos A:

Tumor necrosis factor (TNF)-receptor 1 and 2 mediate homeostatic synaptic plasticity of denervated mouse dentate granule cells

Sci Rep. 2015 Aug 6;5:12726. doi: 10.1038/srep12726.

<http://dx.doi.org/10.1038/srep12726>

Becker D, Zahn N, Deller T, and Vlachos A:

Tumor necrosis factor alpha maintains denervation-induced homeostatic synaptic plasticity of mouse dentate granule cells

Front. Cell. Neurosci. | doi: 10.3389/fncel.2013.00257

<http://www.frontiersin.org/Journal/10.3389/fncel.2013.00257/abstract>

Becker MG, Haddadi P, Wan J, Adam L, Walker P, Larkan N, Daayf F, Borhan MH, Belmonte MF :
Transcriptome analysis of Rlm2-mediated host immunity in the Brassica napus-Leptosphaeria maculans pathosystem

Mol Plant Microbe Interact. 2019 Apr 2. doi: 10.1094/MPMI-01-19-0028-R.

<https://apsjournals.apsnet.org/doi/pdfplus/10.1094/MPMI-01-19-0028-R>

Becker MG, Zhang X, Walker PL, Wan JC, Millar JL, Khan D, Granger MJ, Cavers JD, Chan AC, Fernando DW, Belmonte MF:

Transcriptome analysis of the Brassica napus - Leptosphaeria maculans pathosystem identifies receptor, signalling and structural genes underlying plant resistance

Plant J. 2017 Feb 21. doi: 10.1111/tpj.13514.

<http://dx.doi.org/10.1111/tpj.13514>

Becker V, Yuan X, Boewe AS, Ampofo E, Ebert E, Hohneck J, Bohle RM, Meese E, Zhao Y, Menger MD, Laschke MW, Gu Y:

Hypoxia-induced downregulation of microRNA-186-5p in endothelial cells promotes non-small cell lung cancer angiogenesis by upregulating protein kinase C alpha

Molecular Therapy: Nucleic Acid, 23. Jan 2023, S2162-2531(23)00018-5

<https://doi.org/10.1016/j.omtn.2023.01.015>

Bellon A, Iyer A, Bridi S, Lee FC, Ovando-Vázquez C, Corradi E, Longhi S, Roccuzzo M, Strohbuecker S, Naik S, Sarkies P, Miska E, Abreu-Goodger C, Holt CE, Baudet ML:

miR-182 Regulates Slit2-Mediated Axon Guidance by Modulating the Local Translation of a Specific mRNA

Cell Rep. 2017 Jan 31;18(5):1171-1186. doi: 10.1016/j.celrep.2016.12.093.

[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(17\)30003-7](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(17)30003-7)

Belmondo S, Fiorilli V, Pérez-Tienda J, Ferrol N, Marmesse R, and Lanfranco L:

A dipeptide transporter from the arbuscular mycorrhizal fungus Rhizophagus irregularis is upregulated in the intraradical phase

Front. Plant Sci. | doi: 10.3389/fpls.2014.00436

<http://journal.frontiersin.org/Journal/10.3389/fpls.2014.00436/abstract>

Belmonte MF, Kirkbride RC, Stone SL, Pelletier JM, Bui AQ, Yeung EC, Hashimoto M, Fei J, Harada CM, Munoz MD, Le BH, Drews GN, Brady SM, Goldberg RB, Harada JJ:

Comprehensive developmental profiles of gene activity in regions and subregions of the Arabidopsis seed

Proc Natl Acad Sci U S A. 2013 Jan 29;110(5):E435-44. doi: 10.1073/pnas.1222061110.

<https://doi.org/10.1073/pnas.1222061110>

Ben-Kraiem A, Sauer RS, Norwig C, Popp M, Bettenhausen AL, Atalla MS, Brack A, Blum R, Doppler K, Rittner HL:

Selective blood-nerve barrier leakiness with claudin-1 and vessel-associated macrophage loss in diabetic polyneuropathy

J Mol Med (Berl). 2021 May 21. doi: 10.1007/s00109-021-02091-1.

<https://link.springer.com/content/pdf/10.1007/s00109-021-02091-1.pdf>

Benkert J, Hess S, Roy S, Beccano-Kelly D, Wiederspohn N, Duda J, Simons C, Patil K, Gaifullina A, Mannal N, Dragicevic E, Spaich D, Müller S, Nemeth J, Hollmann H, Deuter N, Mousba Y, Kubisch C, Poetschke C, Striessnig J, Pongs O, Schneider T, Wade-Martins R, Patel S, Parlato R, Frank T, Kloppenburg P & Liss B:

Cav2.3 channels contribute to dopaminergic neuron loss in a model of Parkinson's disease

Nat Commun 10, 5094 (8 Nov 2019) doi:10.1038/s41467-019-12834-x

<https://www.nature.com/articles/s41467-019-12834-x>

Benner S, Endo T, Endo N, Kakeyama M, Tohyama C:

Early deprivation induces competitive subordination in C57BL/6 male mice

Physiol Behav. 2014 Jul 30;137C:42-52. doi: 10.1016/j.physbeh.2014.06.018.

[http://linkinghub.elsevier.com/retrieve/pii/S0031-9384\(14\)00355-2](http://linkinghub.elsevier.com/retrieve/pii/S0031-9384(14)00355-2)

Benner S, Kakeyama M, Endo T, Yoshioka W, Tohyama C:

Application of NeuroTrace staining in the fresh frozen brain samples to laser microdissection combined with quantitative RT-PCR analysis

BMC Res Notes. 2015 Jun 20;8:252. doi: 10.1186/s13104-015-1222-9.

<http://www.biomedcentral.com/1756-0500/8/252>

Benner SE, Walter DL, Thuma JR, Courreges M, James CBL, Schwartz FL, McCall KD:

Toll-Like Receptor 3 Is Critical to the Pancreatic Islet Milieu That Is Required for Coxsackievirus B4-Induced Type 1 Diabetes in Female Nonobese Diabetic Mice

Pancreas. 2022 Jan 1;51(1):48-55. doi: 10.1097/MPA.0000000000001960.

https://journals.lww.com/pancreasjournal/Fulltext/2022/01000/Toll_Like_Receptor_3_Is_Critical_to_the_Pancreatic.8.aspx

Benoit J, Ayoub AE, Rakic P:

Transcriptomics of critical period of visual cortical plasticity in mice

Proc Natl Acad Sci U S A. 2015 Jun 15. pii: 201509323.

<http://www.pnas.org/cgi/lookup?view=long&pmid=26080443>

Bergsbaken T1, Bevan MJ2, Fink PJ:

Local Inflammatory Cues Regulate Differentiation and Persistence of CD8+ Tissue-Resident Memory T Cells

Cell Rep. 2017 Apr 4;19(1):114-124. doi: 10.1016/j.celrep.2017.03.031.

[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(17\)30363-7](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(17)30363-7)

Bernard A, Lubbers LS, Tanis KQ, Luo R, Podtelezhnikov AA, Finney EM, McWhorter MM, Serikawa K, Lemon T, Morgan R, Copeland C, Smith K, Cullen V, Davis-Turak J, Lee CK, Sunkin SM, Loboda AP, Levine DM, Stone DJ, Hawrylycz MJ, Roberts CJ, Jones AR, Geschwind DH, Lein ES:

Transcriptional architecture of the primate neocortex

Neuron. 2012 Mar 22;73(6):1083-99.

[http://linkinghub.elsevier.com/retrieve/pii/S0896-6273\(12\)00225-5](http://linkinghub.elsevier.com/retrieve/pii/S0896-6273(12)00225-5)

Berquin, I.M., Min, Y., Wu, R., Wu, H., and Chen, Y.Q.:

Expression signature of the mouse prostate

J Biol Chem 280(43): 36442-36451 (2005)

<http://www.jbc.org/content/280/43/36442.long>

Beretta VM, Franchini E, Ud Din I, Lacchini E, Van den Broeck L, Sozzani R, Orozco-Arroyo G, Adam H, Jouannic S, Gregis V, and Kater MM:

The ALOG family members OsG1L1 and OsG1L2 regulate inflorescence branching in rice

Poster, 64th Italian Society of Agricultural Genetics, Annual Congress, Sep 2021

https://sigaannualcongress.it/wp-content/uploads/2021/09/7_30-Beretta.pdf

Bertagnolo V, Grassilli S, Volinia S, Al-Qassab Y, Brugnoli F, Vezzali F, Lambertini E, Palomba M, Piubello Q, Orvieto E, Natali C, Piva MR, Croce CM, Capitani S:

Ectopic expression of PLC- β 2 in non-invasive breast tumor cells plays a protective role against malignant progression and is correlated with the deregulation of miR-146a

Mol Carcinog. 2018 Dec 23. doi: 10.1002/mc.22964.

<https://doi.org/10.1002/mc.22964>

Betta PG, Olivieri F, Lazzarini R, Ceka A, Graciotti L, Babini L, Rippon MR, Procopio A, Grosso F, Libener R:

miRNAs signature in microdissected tissues and primary cultured cells of malignant mesothelioma

J Clin Oncol 29: 2011 (suppl; abstr e21031)

http://www.asco.org/ascov2/Meetings/Abstracts?&vmview=abst_detail_view&confID=102&abstractID=78897

Bhattacharyya S, Feferman L, Han X, Zhang F, Linhardt RJ, and Tobacman JK:

Increased CHST15 follows decline in arylsulfatase B (ARSB) and disinhibition of non-canonical WNT signaling: potential impact on epithelial and mesenchymal identity

Oncotarget. 2020; 11:2327-2344.

<https://doi.org/10.18632/oncotarget.27634>

Bhattacharyya S, Feferman L, Tobacman JK:

Dihydrotestosterone inhibits arylsulfatase B and Dickkopf Wnt signaling pathway inhibitor (DKK)-3 leading to enhanced Wnt signaling in prostate epithelium in response to stromal Wnt3A

Prostate. 2019 Feb 22. doi: 10.1002/pros.23776.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/pros.23776>

Bialik JF, Ding M, Speight P, Dan Q, Miranda MZ, Di Ciano-Oliveira C, Kofler MM, Rotstein OD, Pedersen SF, Szász K, Kapus A:

Profibrotic epithelial phenotype: a central role for MRTF and TAZ

Sci Rep. 2019 Mar 13;9(1):4323. doi: 10.1038/s41598-019-40764-7.

<https://www.nature.com/articles/s41598-019-40764-7>

Biyajima K, Kakizaki F, Shen X, Mori K, Sugai M, Taketo MM, Yokota Y:

Id2 deletion attenuates Apc-deficient ileal tumor formation

Biol Open. 2015 Jul 10. pii: bio.012252. doi: 10.1242/bio.012252.

<http://bio.biologists.org/cgi/doi/lookup?view=long&pmid=26163528>

Björner S, Fitzpatrick PA, Li Y, Allred C, Howell A, Ringberg A, Olsson H, Miller CJ, Axelson H, Landberg G:

Epithelial and Stromal MicroRNA Signatures of Columnar Cell Hyperplasia Linking Let-7c to Precancerous and Cancerous Breast Cancer Cell Proliferation

PLoS One. 2014 Aug 14;9(8):e105099. doi: 10.1371/journal.pone.0105099.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0105099>

Blaskovic S, Donati Y, Ruchonnet-Metrailler I, Avila Y, Schittny D, Schlepütz CM, Schittny JC, Barazzzone-Argiroffo C:

Early life exposure to nicotine modifies lung gene response after elastase-induced emphysema

Respir Res. 2022 Mar 3;23(1):44. doi: 10.1186/s12931-022-01956-4.

<https://respiratory-research.biomedcentral.com/articles/10.1186/s12931-022-01956-4>

Blay RM:

The Role of MicroRNA-21 in Macrophages during Atherosclerosis

PhD thesis, Jul 2016

https://edoc.ub.uni-muenchen.de/19732/1/Blay_Richard_M..pdf

Blackmore MG, Wang Z, Lerch JK, Motti D, Zhang YP, Shields CB, Lee JK, Goldberg JL, Lemmon VP, Bixby JL:

Kruppel-like Factor 7 engineered for transcriptional activation promotes axon regeneration in the adult corticospinal tract

Proc Natl Acad Sci U S A. 2012 Apr 23. [Epub ahead of print]

<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=22529377>

Blaudin de Thé FX:

Engrailed, an anti-ageing homeoprotein

thesis, 2015

<http://www.theses.fr/2015PA066204>

Blaudin de Thé FX, Rekaik H, Peze-Heidsieck E, Massiani-Beaudoin O, Joshi RL, Fuchs J, Prochiantz A:

Engrailed homeoprotein blocks degeneration in adult dopaminergic neurons through LINE-1 repression

EMBO J. 2018 Jun 25. pii: e97374. doi: 10.15252/embj.201797374.

<http://emboj.embopress.org/cgi/pmidlookup?view=long&pmid=29941661>

Blicharz S, Stefanowicz K, Truman W, Basińska-Barczak A, Singh D, Kasprzewska A, de Diego N, Vrobel O, Čavar Zeljković S, Tarkowski P, Malinowski R:

Laser dissection-assisted phloem transcriptomics highlights the metabolic and physiological changes accompanying clubroot disease progression in oilseed rape

Plant J. 2024 Nov 22. doi: 10.1111/tbj.17156.

<https://doi.org/10.1111/tbj.17156>

Bolck HA, Migh E, Kriston A, Zajac NH, Kreutzer S, Tofu T, Leary P, Kovacs F, Rutishauser D, Pfammatter S, Grossmann J, Lichtfeld C, Buljan M, Rupp NJ, Horvath P, Moch H:

Deep visual multi-omics profiling reveals mechanisms that underly cancer cell differentiation and aggressiveness in clear cell renal cell carcinoma

bioRxiv, 5. Feb 2025

<https://doi.org/10.1101/2025.01.31.635927>

Bondoc A, Golbar HM, Pervin M, Katou-Ichikawa C, Tanaka M, Izawa T, Kuwamura M, Yamate J:

Participation of Tumor-Associated Myeloid Cells in Progression of Amelanotic Melanoma (RMM Tumor Line) in F344 Rats, with Particular Reference to MHC Class II- and CD163-Expressing Cells

Cancer Microenviron. 2017 Jun 16. doi: 10.1007/s12307-017-0193-x.

<https://dx.doi.org/10.1007/s12307-017-0193-x>

Bouçanova F, Pollmeier G, Sandor K, Morado Urbina C, Nijssen J, Médard JJ, Bartesaghi L, Pellerin L, Svensson CI, Hedlund E, Chrast R:

Disrupted function of lactate transporter MCT1, but not MCT4, in Schwann cells affects the maintenance of motor end-plate innervation

Glia. 2020 Jul 20. doi: 10.1002/glia.23889.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/glia.23889>

Bower JE, Shiao SL, Sullivan P, Lamkin DM, Atienza R, Mercado F, Arevalo J, Asher A, Ganz PA, Cole SW:

Prometastatic Molecular Profiles in Breast Tumors From Socially Isolated Women

JNCI Cancer Spectr. 2018 Jul;2(3):pky029. doi: 10.1093/jncics/pky029. Epub 2018 Jul 19.

<https://www.ncbi.nlm.nih.gov/pmc/articles/pmid/30057973/>

Brady K, Krasnec K, Long JA:

Transcriptome analysis of inseminated sperm storage tubules throughout the duration of fertility in the domestic turkey, *Meleagris gallopavo*

Poultry Science, 2022, 101704, ISSN 0032-5791,

<https://doi.org/10.1016/j.psj.2022.101704>

Brooks K, Burns GW, Moraes JG, Spencer TE:

Analysis of the Uterine Epithelial and Conceptus Transcriptome and Luminal Fluid Proteome During the Peri-Implantation Period of Pregnancy in Sheep

Biol Reprod. 2016 Aug 17. pii: biolreprod.116.141945.

<http://www.biolreprod.org/cgi/pmidlookup?view=long&pmid=27535962>

Brown, A.L., Smith, D.W.

Improved RNA preservation for immunolabeling and laser microdissection

RNA 2009 15: 2364-2374, Published by Cold Spring Harbor Laboratory Press

<http://rnajournal.cshlp.org/content/15/12/2364.long>

Brzozowska N, Wu LYD, Khodzhaeva V, Griffiths WJ, Duckworth A, Jung H, Coorens THH, Hooks Y, Chambers JE, Campbell PJ, Marciniak SJ, Hoare M

Selection for somatic escape variants in SERPINA1 in the liver of patients with alpha-1 antitrypsin deficiency

Nat Genet. 2025 Mar 10. doi: 10.1038/s41588-025-02125-1.

<https://doi.org/10.1038/s41588-025-02125-1>

Bullock MD, Pickard K, Mitter R, Sayan AE, Primrose JN, Ivan C, Calin GA, Thomas GJ, Packham GK, Mirnezami AH:

Stratifying risk of recurrence in stage II colorectal cancer using deregulated stromal and epithelial microRNAs

Oncotarget. 2015 Mar 7.

<http://www.impactjournals.com/oncotarget/misc/linkedout.php?pii=3225>

Bullock MD, Pickard KM, Nielsen BS, Sayan AE, Jenei V, Mellone M, Mitter R, Primrose JN, Thomas GJ, Packham GK, Mirnezami AH:

Pleiotropic actions of miR-21 highlight the critical role of deregulated stromal microRNAs during colorectal cancer progression

Cell Death Dis. 2013 Jun 20;4:e684. doi: 10.1038/cddis.2013.213.

<http://www.nature.com/cddis/journal/v4/n6/abs/cddis2013213a.html>

Buttó LF, Pelletier A, More SK, Zhao N, Osme A, Hager CL, Ghannoum MA, Sekaly RP, Cominelli F, Dave M:

Intestinal Stem Cell Niche Defects Result in Impaired 3D Organoid Formation in Mouse Models of Crohn's Disease-like Ileitis

Stem Cell Reports. 2020 Jul 6:S2213-6711(20)30238-1. doi: 10.1016/j.stemcr.2020.06.017.
[https://linkinghub.elsevier.com/retrieve/pii/S2213-6711\(20\)30238-1](https://linkinghub.elsevier.com/retrieve/pii/S2213-6711(20)30238-1)

Cai X, Zhang H, Zhang J, Li T:

Isolation of Cells with Morphological and Spatial Information from Oral Submucous Fibrosis Samples by Laser Capture Microdissection

J. Vis. Exp. (198), e65890, doi:10.3791/65890 (11 Aug 2023).
<https://dx.doi.org/10.3791/65890>

Calabrese F, Lunardi F, Tauro V, Pezzuto F, Fortarezza F, Vedovelli L, Faccioli E, Balestro E, Schiavon M, Esposito G, Vuljan SE, Giraudo C, Gregori D, Rea F, Spagnolo P:

RNA Sequencing of Epithelial Cell/Fibroblastic Foci Sandwich in Idiopathic Pulmonary Fibrosis: New Insights on the Signaling Pathway

Int J Mol Sci. 2022 Mar 19;23(6):3323. doi: 10.3390/ijms23063323. PMID: 35328744
<https://www.mdpi.com/1422-0067/23/6/3323/htm>

Calo G, Hauk V, Vota D, Van C, Condro M, Gallino L, Ramhorst R, Waschek J, Leirós CP:

VPAC1 and VPAC2 receptor deficiencies negatively influence pregnancy outcome through distinct and overlapping modulations of immune, trophoblast and vascular functions

Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease, 2022, 166593, ISSN 0925-4439,
<https://doi.org/10.1016/j.bbadis.2022.166593>

Cañas RA, Canales J, Gómez-Maldonado J, Avila C, Cánovas FM:

Transcriptome analysis in maritime pine using laser capture microdissection and 454 pyrosequencing

Tree Physiol. 2014 Jan 3.
<http://treephys.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=24391165>

Cao J, Ni J, Ma W, Shiu V, Milla LA, Park S, Spletter ML, Tang S, Zhang J, Wei X, Kim SK, Scott MP:
Insight into Insulin Secretion from Transcriptome and Genetic Analysis of Insulin-Producing Cells of Drosophila

Genetics. 2014 Feb 20.
<http://www.genetics.org/content/early/2014/02/18/genetics.113.160663.full.pdf+html>

Cao S, Wang Y, Gao Y, Xu R, Ma J, Xu Z, Shang-Guan K, Zhang B, Zhou Y:

The RLCK-VND6 module coordinates secondary cell wall formation and adaptive growth in rice

Mol Plant. 2023 Apr 12:S1674-2052(23)00104-1. doi: 10.1016/j.molp.2023.04.006.
<https://doi.org/10.1016/j.molp.2023.04.006>

Caponi S, Funel N, Frampton AE, Mosca F, Santarpia L, Van der Velde AG, Jiao LR, De Lio N, Falcone A, Kazemier G, Mejer GA, Verheul HM, Vasile E, Peters GJ, Boggi U, Giovannetti E:

The good, the bad and the ugly: a tale of miR-101, miR-21 and miR-155 in pancreatic intraductal papillary mucinous neoplasms

Ann Oncol. 2012 Nov 8.
<http://annonc.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=23139258>

Carlier FM, Dupasquier S, Ambroise J, Detry B, Lecocq M, Biétry-Claudet C, Boukala Y, Gala JL, Bouzin C, Verleden SE, Hoton D, Gohy S, Bearzatto B, Pilette C:

Canonical WNT pathway is activated in the airway epithelium in chronic obstructive pulmonary disease

EBioMedicine. 2020 Oct 9;61:103034. doi: 10.1016/j.ebiom.2020.103034.
<https://www.sciencedirect.com/science/article/pii/S2352396420304102#!>

Carrillo MAL:

Endothelial Cell Heterogeneity: A Correlation With The Von Willebrand Factor Expression In Distinct Organs

Thesis, 2017

https://era.library.ualberta.ca/files/cbn9996983/LorenzanaCarrillo_Maria_A_201612_MSc.pdf

Caruso M, Merelo P, Distefano G, La Malfa S, Lo Piero AR, Tadeo FR, Talon M, Gentile A
Comparative transcriptome analysis of styler canal cells identifies novel candidate genes implicated in the self-incompatibility response of Citrus clementina

BMC Plant Biol. 2012 Feb 14;12(1):20

<http://www.biomedcentral.com/1471-2229/12/20>

Castelli MP, Spiga S, Perra A, Madeddu C, Mulas G, Ennas MG, Gessa GL:

α 2A adrenergic receptors highly expressed in mesoprefrontal dopamine neurons

Neuroscience. 2016 Jun 27. pii: S0306-4522(16)30276-7. doi: 10.1016/j.neuroscience.2016.06.037.

[http://linkinghub.elsevier.com/retrieve/pii/S0306-4522\(16\)30276-7](http://linkinghub.elsevier.com/retrieve/pii/S0306-4522(16)30276-7)

Castro-Rodríguez V, García-Gutiérrez A, Cañas RA, Pascual M, Avila C, Cánovas FM:

Redundancy and metabolic function of the glutamine synthetase gene family in poplar

BMC Plant Biol. 2015 Jan 22;15(1):20.

<http://www.biomedcentral.com/1471-2229/15/20>

Ceci M, Carlantoni C, Missinato MA, Bonvissuto D, Di Giacomo B, Contu R, Romano N:

Micro RNAs are involved in activation of epicardium during zebrafish heart regeneration

Cell Death Discov. 2018 Mar 12;4:41. doi: 10.1038/s41420-018-0041-x. eCollection 2018.

<https://www.nature.com/articles/s41420-018-0041-x.pdf>

Celedon JM, Yuen MMS, Chiang A, Henderson H, Reid KE, Bohlmann J:

Cell-type and tissue specific transcriptomes of the white spruce (*Picea glauca*) bark unmask fine-scale spatial patterns of constitutive and induced conifer defense

Plant J. 2017 Aug 30. doi: 10.1111/tpj.13673.

<http://onlinelibrary.wiley.com/doi/10.1111/tpj.13673/full>

Ceulemans A, Verhulst S, Van Haele M, Govaere O, Ventura JJ, van Grunsven LA, Roskams T:

RNA-sequencing-based comparative analysis of human hepatic progenitor cells and their niche from alcoholic steatohepatitis livers

Cell Death Dis. 2017 Nov 2;8(11):e3164. doi: 10.1038/cddis.2017.543.

<https://www.nature.com/articles/cddis2017543.pdf>

Cha YJ, Lee JH, Han HH, Kim BG, Kang S, Choi YD, Cho NH:

MicroRNA alteration and putative target genes in high-grade prostatic intraepithelial neoplasia and prostate cancer: STAT3 and ZEB1 are upregulated during prostate carcinogenesis

Prostate. 2016 Mar 28. doi: 10.1002/pros.23183.

<http://onlinelibrary.wiley.com/doi/10.1002/pros.23183/abstract>

Chabrat A :

Role of Lmx1a and Lmx1b Transcription Factors in Post-Mitotic Midbrain Dopaminergic Neurons

Thesis, 2016

<https://corpus.ulaval.ca/server/api/core/bitstreams/9ac6f188-e05a-4ea1-ae93-5c376753df65/content>

Chabrat A, Doucet-Beaupré H, Lévesque M :

RNA Isolation from Cell Specific Subpopulations Using Laser-capture Microdissection Combined with Rapid Immunolabeling

J Vis Exp. 2015 Apr 11;(98). doi: 10.3791/52510.

<http://dx.doi.org/10.3791/52510>

Chan-Seng-Yue M, Kim JC, Wilson GW, Ng K, Figueroa EF, O'Kane GM, Connor AA, Denroche RE, Grant RC, McLeod J, Wilson JM, Jang GH, Zhang A, Liang SB, Borgida A, Chadwick D, Kalimuthu S, Lungu I, Bartlett JMS, Krzyzanowski PM, Sandhu V, Tiriack H, Froeling FEM, Karasinska JM, Topham JT, Renouf DJ, Schaeffer DF, Jones SJM, Marra MA, Laskin J, Chetty R, Stein LD, Zogopoulos G, Haibe-Kains B, Campbell PJ, Tuveson DA, Knox JJ, Fischer SE, Gallinger S, Notta F:

Transcription phenotypes of pancreatic cancer are driven by genomic events during tumor evolution

Nat Genet. 2020 Jan 13. doi: 10.1038/s41588-019-0566-9.

<http://dx.doi.org/10.1038/s41588-019-0566-9>

Chandler DJ, Gao WJ, Waterhouse BD:

Heterogeneous organization of the locus coeruleus projections to prefrontal and motor cortices

Proc Natl Acad Sci U S A. 2014 Apr 21.

<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=24753596>

Chandran D, Inada N, Wildermuth MC:

Laser microdissection of plant-fungus interaction sites and isolation of RNA for downstream expression profiling

Methods Mol Biol 712:241-62 (2011)

<http://www.springerlink.com/content/g8x0633768v71816/#section=862301&page=1>

Chang G, Mouillet JF, Mishima T, Chu T, Sadovsky E, Coyne CB, Parks WT, Surti U, Sadovsky Y:

Expression and trafficking of placental microRNAs at the feto-maternal interface

FASEB J. 2017 Mar 13. pii: fj.201601146R. doi: 10.1096/fj.201601146R.

<http://www.fasebj.org/cgi/pmidlookup?view=long&pmid=28289056>

Chang W-C, Jackson C, Riel S, Cooper HS, Devarajan K, Hensley HH, Zhou Y, Vanderveer LA, Nguyen MT, Clapper ML:

Differential preventive activity of sulindac and atorvastatin in Apc+/Min-FCC mice with or without colorectal adenomas

Gut 2017;0:1–9. doi:10.1136/gutjnl-2017-313942

<http://gut.bmj.com/content/gutjnl/early/2017/11/09/gutjnl-2017-313942.full.pdf>

Choa R, Harris JC, Yang E, Yokoyama Y, Okumura M, Kim M, To J, Lou M, Nelson A, Kambayashi T:

Thymic stromal lymphopoietin induces IL-4/IL-13 from T cells to promote sebum secretion and adipose loss

J Allergy Clin Immunol. 2023 Dec 27:S0091-6749(23)02543-5. doi: 10.1016/j.jaci.2023.11.923.

<https://doi.org/10.1016/j.jaci.2023.11.923>

Chapman EM, Lant B, Ohashi Y, Yu B, Schertzberg M, Go C, Dogra D, Koskimäki J, Girard R, Li Y, Fraser AG, Awad IA, Abdelilah-Seyfried S, Gingras AC, Derry WB

A conserved CCM complex promotes apoptosis non-autonomously by regulating zinc homeostasis

Nat Commun. 2019 Apr 17;10(1):1791. doi: 10.1038/s41467-019-09829-z.

<https://www.nature.com/articles/s41467-019-09829-z.pdf>

Chatzi C, Zhang G, Hendricks W, Chen Y, Schnell E, Goodman RH, Westbrook GL:

Exercise-induced enhancement of synaptic function triggered by the inverse BAR protein, Mtss1L

bioRxiv, Feb. 9, 2019, <http://dx.doi.org/10.1101/545582>doi:

<https://www.biorxiv.org/content/biorxiv/early/2019/02/09/545582.full.pdf>

Chen AX, Nishimoto K, Nanba K, Rainey WE:

Potassium channels related to primary aldosteronism: Expression similarities and differences between human and rat adrenals

Mol Cell Endocrinol. 2015 Sep 12. pii: S0303-7207(15)30077-0. doi: 10.1016/j.mce.2015.09.011.
[http://linkinghub.elsevier.com/retrieve/pii/S0303-7207\(15\)30077-0](http://linkinghub.elsevier.com/retrieve/pii/S0303-7207(15)30077-0)

Chen C, Lu C, Qian Y, Li H, Tan Y, Cai L, Weng H:

Urinary miR-21 as a potential biomarker of hypertensive kidney injury and fibrosis

Sci Rep. 2017 Dec 18;7(1):17737. doi: 10.1038/s41598-017-18175-3.
<http://dx.doi.org/10.1038/s41598-017-18175-3>

Chen HC, Song J, Wang JP, Lin YC, Ducoste J, Shuford CM, Liu J, Li Q, Shi R, Nepomuceno A, Isik F, Muddiman DC, Williams C, Sederoff RR, Chiang VL:

Systems Biology of Lignin Biosynthesis in Populus trichocarpa: Heteromeric 4-Coumaric Acid:Coenzyme A Ligase Protein Complex Formation, Regulation, and Numerical Modeling

Plant Cell. 2014 Mar 11.

<http://www.plantcell.org/cgi/pmidlookup?view=long&pmid=24619612>

Chen J, Zheng Q, Hicks JL, Trabzonlu L, Ozbek B, Jones T, Vaghasia A, Larman TC, Wang R, Markowski MC, Denmeade SR, Pienta KJ, Hruban RH, Antonaraskis ES, Gupta A, Dang CV, Yegnasubramanian S, De Marzo AM:

MYC-driven increases in mitochondrial DNA copy number occur early and persist throughout prostatic cancer progression

bioRxiv 2023.02.20.529259; doi: <https://doi.org/10.1101/2023.02.20.529259>
<https://doi.org/10.1101/2023.02.20.529259>

Chen L, Martino V, Dombkowski A, Williams T, West-Mays J, Gage PJ:

AP-2 β Is a Downstream Effector of PITX2 Required to Specify Endothelium and Establish Angiogenic Privilege During Corneal Development

Invest Ophthalmol Vis Sci. 2016 Mar 1;57(3):1072-81. doi: 10.1167/iovs.15-18103.
<http://iovs.arvojournals.org/article.aspx?doi=10.1167/iovs.15-18103>

Chen L, Zhou T, Wu N, O'Brien A, Venter J, Ceci L, Kyritsi K, Onori P, Gaudio E, Sybenga A, Xie L, Wu C, Fabris L, Invernizzi P, Zawieja D, Liangpunsakul S, Meng F, Francis H, Glaser S :

Pinealectomy or light exposure exacerbates biliary damage and liver fibrosis in cholestatic rats through decreased melatonin synthesis

Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease, 16 Mar 2019,
<https://doi.org/10.1016/j.bbadis.2019.03.002>

<https://www.sciencedirect.com/science/article/abs/pii/S0925443919300766#!>

Chen PY, Qin L, Li G, Malagon-Lopez J, Wang Z, Bergaya S, Gujja S, Caulk AW, Murtada SI, Zhang X, Zhuang ZW, Rao DA, Wang G, Tobiasova Z, Jiang B, Montgomery RR, Sun L, Sun H, Fisher EA, Gulcher JR, Fernandez-Hernando C, Humphrey JD, Tellides G, Chittenden TW, Simons M:

Smooth Muscle Cell Reprogramming in Aortic Aneurysms

Cell Stem Cell. 2020 Apr 2;26(4):542-557.e11. doi: 10.1016/j.stem.2020.02.013.
<https://www.sciencedirect.com/science/article/abs/pii/S1934590920300667>

Chen X, Sun S, Li S, Yu S, Chen J, Chen X:

Attenuated immune surveillance during squamous cell transformation of pancreatic adenosquamous cancer defines new therapeutic opportunity for cancer interception

J Immunother Cancer. 2025 Jun 23;13(6):e012066. doi: 10.1136/jitc-2025-012066.
<https://doi.org/10.1136/jitc-2025-012066>

Chen Y, Chen X, Baserdem B, Zhan H, Li Y, Davis MB, Kebschull JM, Zador AM, Koulakov AA, Albeanu DF:

High-throughput sequencing of single neuron projections reveals spatial organization in the olfactory cortex

Cell. 2022 Oct 27;185(22):4117-4134.e28. doi: 10.1016/j.cell.2022.09.038.
<https://doi.org/10.1016/j.cell.2022.09.038>

Chen Y, Ikeda K, Yoneshiro T, Scaramozza A, Tajima K, Wang Q, Kim K, Shinoda K, Sponton CH, Brown Z, Brack A, Kajimura S :

Thermal stress induces glycolytic beige fat formation via a myogenic state

Nature. 2019 Jan;565(7738):180-185. doi: 10.1038/s41586-018-0801-z.
<https://doi.org/10.1038/s41586-018-0801-z>

Chen Y, Jiang H, Xiong J, Shang J, Chen Z, Wu A, Wang H:

Insight into the Molecular Characteristics of Langhans Giant Cell by Combination of Laser Capture Microdissection and RNA Sequencing

Journal of Inflammation Research, 2 Feb 2022, Vol. 15, DOI: <https://doi.org/10.2147/JIR.S337241>
<https://doi.org/10.2147/JIR.S337241>

Chen, Z. and Gu, J.:

Immunoglobulin G expression in carcinomas and cancer cell lines

Faseb J (2007)

<http://www.fasebj.org/content/21/11/2931.long>

Chen Z, Yu T, Cabay RJ, Jin Y, Mahjabeen I, Luan X, Huang L, Dai Y, Zhou X:

miR-486-3p, miR-139-5p, and miR-21 as Biomarkers for the Detection of Oral Tongue Squamous Cell Carcinoma

Biomark Cancer. 2017 Jan 9;9:1-8. doi: 10.4137/BIC.S40981.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2809669/>

Cheng L, Mann SA, Lopez-Beltran A, Chovanec M, Santoni M, Wang M, Albany C, Adra N, Davidson DD, Cimadamore A, Montironi R, and Zhang S :

Molecular Characterization of Testicular Germ Cell Tumors Using Tissue Microdissection

Methods Mol Biol. 2021;2195:31-47. doi: 10.1007/978-1-0716-0860-9_3.
https://dx.doi.org/10.1007/978-1-0716-0860-9_3

Chiba Y, Yamada T, Tsukita S, Takahashi K, Munakata Y, Shirai Y, Kodama S, Asai Y, Sugisawa T, Uno K, Sawada S, Imai J, Nakamura K, Katagiri H:

Dapagliflozin, a Sodium-Glucose Co-Transporter 2 Inhibitor, Acutely Reduces Energy Expenditure in BAT via Neural Signals in Mice

PLoS One. 2016 Mar 10;11(3):e0150756. doi: 10.1371/journal.pone.0150756. eCollection 2016.
<http://dx.plos.org/10.1371/journal.pone.0150756>

Chitarra W, Balestrini R, Vitali M, Pagliarani C, Perrone I, Schubert A, Lovisolo C:

Gene expression in vessel-associated cells upon xylem embolism repair in Vitis vinifera L. petioles

Planta. 2014 Jan 9.

<http://dx.doi.org/10.1007/s00425-013-2017-7>

Choe YJ, Min JY, Lee H, Lee SY, Kwon J, Kim HJ, Lee J, Kim HM, Park HS, Cho MY, Hyun JY, Kim HM, Chung YH, Ha SK, Jeong HG, Choi I, Kim TD, Hong KS, and Han EH:

Heterotypic cell-in-cell structures between cancer and NK cells are associated with enhanced anticancer drug resistance

iScience 25, 105017 September 16, 2022
<https://doi.org/10.1016/j.isci.2022.105017>

Chokechanachaisakul U, Kaneko T, Okiji T, Kaneko R, Kaneko M, Kawamura J, Sunakawa M, Suda H:

Increased Gene Expression of Toll-like Receptors and Antigen-Presenting Cell-related Molecules in the Onset of Experimentally Induced Furcation Lesions of Endodontic Origin in Rat Molars

J Endod. 2010 Feb;36(2):251-5

<http://www.jendodon.com/article/S0099-2399%2809%2900879-6/abstract>

Chokechanachaisakul U, Kaneko T, Okiji T, Kaneko R, Suda H, Nör JE

Laser capture microdissection in dentistry

Int J Dent. 2010;2010:592694. doi: 10.1155/2010/592694.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC21274283/>

Chokechanachaisakul U, Kaneko T, Yamanaka Y, Okiji T, Suda H:

A novel whole tooth-in-jaw-bone culture of rat molars: Morphological, immunohistochemical, and laser capture microdissection analysis

Microsc Res Tech. 2012 May 23. doi: 10.1002/jemt.22072.

<http://dx.doi.org/10.1002/jemt.22072>

Choudhary RK, Daniels KM, Evock-Clover CM, Garrett W, Capuco AV:

Technical note: A rapid method for 5-bromo-2'-deoxyuridine (BrdU) immunostaining in bovine mammary cryosections that retains RNA quality

J Dairy Sci 93(6):2574-9 (2010)

<http://www.journalofdairyscience.org/article/S0022-0302%2810%2900261-4/abstract>

Chrobok L, Northeast RC, Myung J, Cunningham PS, Petit C, Piggins HD:

Timekeeping in the hindbrain: a multi-oscillatory circadian centre in the mouse dorsal vagal complex

Commun Biol. 2020 May 8;3(1):225. doi: 10.1038/s42003-020-0960-y.

<https://www.nature.com/articles/s42003-020-0960-y.pdf>

Cifuentes M, Baeza V, Arrabal PM, Visser R, Grondona JM, Saldivia N, Martínez F, Nualart F, Salazar K:

Expression of a Novel Ciliary Protein, IILG9, During the Differentiation and Maturation of Ependymal Cells

Mol Neurobiol. 2017 Feb 13. doi: 10.1007/s12035-017-0434-5.

<https://dx.doi.org/10.1007/s12035-017-0434-5>

Cis L, Nanni S, Gessi M, Bianchi A, De Martino S, Pecci V, Bonvissuto D, Carlino A, Giacobbe L, Rindi G, Sette C, Grassi C, Gaetano C, Pontecorvi A, Farsetti A:

LCM-RNAseq highlights intratumor heterogeneity and a lncRNA signature from archival tissues of GH-secreting PitNETs

Research Square, 19th March 2024

<https://doi.org/10.21203/rs.3.rs-4093675/v1>

Claverie D, Cressant A, Thomasson J, Castellarin C, Grandperret V, Barbier L, Troubat R, Canini F, Belzung C, El-Hage W:

rTMS mechanisms for posttraumatic stress disorder treatment in a mouse model

Journal of Psychiatric Research, 28 Aug 2024, S0022-3956(24)00506-5

<https://doi.org/10.1016/j.jpsychires.2024.08.041>

Clayburgh, D.R., Rosen, S., Witkowski, E.D., Wang, F., Blair, S., Dudek, S., Garcia, J.G., Alverdy, J.C., and Turner, J.R.:

A differentiation-dependent splice variant of myosin light chain kinase, MLCK1, regulates epithelial tight junction permeability

J Biol Chem 279(53): 55506-55513 (2004)

<http://www.jbc.org/content/279/53/55506.long>

Comba A, Dunn PJ, Kish PE, Kadiyala P, Kahana A, Castro MG, Lowenstein PR:

Laser Capture Microdissection of Glioma Subregions for Spatial and Molecular Characterization of Intratumoral Heterogeneity, Oncostreams, and Invasion

J Vis Exp. 2020 Apr 12;(158). doi: 10.3791/60939.

<https://www.jove.com/video/60939/laser-capture-microdissection-glioma-subregions-for-spatial-molecular>

Comba A, Faisal SM, Dunn PJ, Argento AE, Hollon TC, Al-Holou WN, Varela ML, Zamler DB, Quass GL, Apostolides PF, Abel C 2nd, Brown CE, Kish PE, Kahana A, Kleer CG, Motsch S, Castro MG, Lowenstein PR:

Spatiotemporal analysis of glioma heterogeneity reveals COL1A1 as an actionable target to disrupt tumor progression

Nat Commun. 2022 Jun 24;13(1):3606. doi: 10.1038/s41467-022-31340-1.

<https://www.nature.com/articles/s41467-022-31340-1>

Connor AA:

Germline & Somatic Variation in Gastrointestinal Malignancies

Thesis, 2017

<https://tspace.library.utoronto.ca/handle/1807/80761>

Connor AA, Denroche RE, Jang GH, Timms L, Kalimuthu SN, Selander I, McPherson T, Wilson GW, Chan-Seng-Yue MA, Borozan I, Ferretti V, Grant RC, Lungu IM, Costello E, Greenhalf W, Palmer D, Ghaneh P, Neoptolemos JP, Buchler M, Petersen G, Thayer S, Hollingsworth MA, Sherker A, Durocher D, Dhani N, Hedley D, Serra S, Pollett A, Roehrl MH, Bavi P, Bartlett JM, Cleary S, Wilson JM, Alexandrov LB, Moore M, Wouters BG, McPherson JD, Notta F, Stein LD, Gallinger S:

Association of Distinct Mutational Signatures With Correlates of Increased Immune Activity in Pancreatic Ductal Adenocarcinoma

JAMA Oncol. 2016 Oct 20. doi: 10.1001/jamaoncol.2016.3916

<http://oncology.jamanetwork.com/article.aspx?doi=10.1001/jamaoncol.2016.3916>

Cook DP, Adam RJ, Zarei K, Deonovic B, Stroik MR, Gansemer ND, Meyerholz DK, Au KF, Stoltz DA:

CF airway smooth muscle transcriptome reveals a role for PYK2

JCI Insight. 2017 Sep 7;2(17). pii: 95332. doi: 10.1172/jci.insight.95332.

<https://www.ncbi.nlm.nih.gov/pubmed/28878137>

Coope RJ, Schlosser C, Corbett RD, Pleasance S, Tessier-Cloutier B, Pandoh P, Kirk H, Haile S, Zhao Y, Mungall AJ, Marra MA:

Whole-slide laser microdissection for tumour enrichment.

J Pathol. 2020 Nov 2. doi: 10.1002/path.5575.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/path.5575>

Costa, E., Auta, J., Grayson, D.R., Matsumoto, K., Pappas, G.D., Zhang, X., and Guidotti, A.:

GABAA receptors and benzodiazepines: a role for dendritic resident subunit mRNAs

Neuropharmacology 43(6): 925-937 (2002)

[http://dx.doi.org/10.1016/S0028-3908\(02\)00199-5](http://dx.doi.org/10.1016/S0028-3908(02)00199-5)

Costes C, Le Bot L, Alvarado C, Daniel S, Sanz SN, Calatayud C, Soriano A, Guillon F, Mameri H, Terrier N, Saulnier L, Francin-Allami M:

Polysaccharide distribution and cell wall deposition in the endosperm and outer layers of developing sorghum grains

Journal of Cereal Science, <https://doi.org/10.1016/j.jcs.2025.104239>.

<https://doi.org/10.1016/j.jcs.2025.104239>

Costes C, Navarro Sanz S, Calatayud C, Soriano A, Mameri H, Terrier N, Francin-Allami M:

Transcriptomic analysis of developing sorghum grains to detect genes related to cell wall biosynthesis and remodelling

BMC Genom Data. 2024 Feb 7;25(1):14. doi: 10.1186/s12863-024-01198-x.

<https://doi.org/10.1186/s12863-024-01198-x>

Credle JJ, Itoh CY, Yaun T, Sharma R, Scott ER, Workman RE, Fan Y, Housseau F, Llosa NJ, Bell WR, Miller H, Zhang SX, Timp W, and Larman HB:

Multiplexed analysis of fixed tissue RNA using Ligation in situ Hybridization

Nucleic Acids Res 2017 gkx471. doi: 10.1093/nar/gkx471

<https://academic.oup.com/nar/article/doi/10.1093/nar/gkx471/3858200/Multiplexed-analysis-of-fixed-tissue-RNA-using>

Cui K, Liu Z, Li J, Gao C, and Miao Y:

The cellulose–lignin balance affects the twisted growth of Yunnan pine trunk

Authorea Preprints, 10 Oct 2022,

<https://www.authorea.com/doi/full/10.22541/au.166538021.18232197>

Czibere L, Baur LA, Wittmann A, Gemmeke K, Steiner A, Weber P, Pütz B, Ahmad N, Bunck M, Graf C, Widner R, Kühne C, Panhuysen M, Hambsch B, Rieder G, Reinheckel T, Peters C, Holsboer F, Landgraf R, Deussing JM:

Profiling Trait Anxiety: Transcriptome Analysis Reveals Cathepsin B (Ctbs) as a Novel Candidate Gene for Emotionality in Mice

PLoS ONE 6(8): e23604. doi:10.1371/journal.pone.0023604 (2011)

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0023604>

Dai, M.S., Chao, T.Y., Kao, W.Y., Shyu, R.Y., and Liu, T.M.:

Delayed hepatitis B virus reactivation after cessation of preemptive lamivudine in lymphoma patients treated with rituximab plus CHOP

Ann Hematol 83(12): 769-774 (2004)

<http://www.springerlink.com/content/x87nue2nfx7pt0ap/>

Dai X, Zhai R, Lin J, Wang Z, Meng D, Li M, Mao Y, Gao B, Ma H, Zhang B, Sun Y, Li S, Zhou C, Lin YJ, Wang JP, Chiang VL, Li W:

Cell-type-specific PtrWOX4a and PtrVCS2 form a regulatory nexus with a histone modification system for stem cambium development in Populus trichocarpa

Nat Plants. 2023 Jan 9. doi: 10.1038/s41477-022-01315-7.

<https://www.nature.com/articles/s41477-022-01315-7>

Dang P, Tang Q, Nie M-Y, An Y, Dong R, Hua X-D, Jung H-S, Shi S-G:

Comparative gene expression profiles of dental follicle at different stages of periodontal development: Combined use of laser capture microdissection and microarray

Journal of Oral Biosciences, <https://doi.org/10.1016/j.job.2018.02.003>

<https://www.sciencedirect.com/science/article/pii/S1349007918300380#!>

Danzi MC, Motti D, Avison DJ, Bixby JL, Lemmon VP:

Treatment with analgesics after mouse sciatic nerve injury does not alter expression of wound healing-associated genes

NEURAL REGENERATION RESEARCH, January 2016, Volume 11, Issue 1

http://www.nrronline.org/temp/NeuralRegenRes111144-2061052_054330.pdf

D'Arrigo, A., Belluco, C., Ambrosi, A., Digito, M., Esposito, G., Bertola, A., Fabris, M., Nofrate, V., Mammano, E., Leon, A., Nitti, D., and Lise, M.:

Metastatic transcriptional pattern revealed by gene expression profiling in primary colorectal carcinoma

Int J Cancer 115(2): 256-262 (2005)

<http://onlinelibrary.wiley.com/doi/10.1002/ijc.20883/full>

Datta D, Arion D, Corradi JP and Lewis AL:

Altered expression of CDC42 signaling pathway components in cortical layer 3 pyramidal cells in schizophrenia

Biological Psychiatry. 2015 Apr 10; doi: 10.1016/j.biopsych.2015.03.030

<http://www.biologicalpsychiatryjournal.com/article/S0006-3223%2815%2900285-1/abstract>

Datta D, Arion D and Lewis DA:

Developmental Expression Patterns of GABAA Receptor Subunits in Layer 3 and 5 Pyramidal Cells of Monkey Prefrontal Cortex

Cereb. Cortex (2014) doi: 10.1093/cercor/bhu040; March 7, 2014

<http://cercor.oxfordjournals.org/content/early/2014/03/06/cercor.bhu040.abstract>

Datta D, Arion D, Roman KM, Volk DW, Lewis DA:

Altered Expression of ARP2/3 Complex Signaling Pathway Genes in Prefrontal Layer 3 Pyramidal Cells in Schizophrenia

Am J Psychiatry. 2016 Aug 13;appiajp201616020204.

http://psychiatryonline.org/doi/abs/10.1176/appi.ajp.2016.16020204?url_ver=Z39.88-2003&rft_id=ori:rid:crossref.org&rft_dat=cr_pub%3dpubmed

de Campo DM, Cameron JL, Miano JM, Lewis DA, Mirnics K, Fudge JL:

Maternal deprivation alters expression of neural maturation gene *tbr1* in the amygdala paralaminar nucleus in infant female macaques

Dev Psychobiol. 2016 Dec 4. doi: 10.1002/dev.21493.

<http://dx.doi.org/10.1002/dev.21493>

de Lagausie, P., de Buys-Roessingh, A., Ferkdadj, L., Saada, J., Aisenfisz, S., Martinez-Vinson, C., Fund, X., Cayuela, J.M., Peuchmaur, M., Mercier, J.C., and Berrebi, D.:

Endothelin receptor expression in human lungs of newborns with congenital diaphragmatic hernia

J Pathol 205(1): 112-118 (2005)

<http://onlinelibrary.wiley.com/doi/10.1002/path.1677/full>

De Palma FDE, Pol JG, Carbonnier V, Scuderi SA, Mannino D, Montégut L, Sauvat A, Perez-Lanzon M, Uribe-Carretero E, Guarracino M, Granata I, Calogero R, Del Monaco V, Montanaro D, Stoll G, Botti G, D'Aiuto M, Baldi A, D'Argenio V, Guigó R, Rezsohazy R, Kroemer G, Maiuri MC, Salvatore F:

Epigenetic regulation of HOXA2 expression affects tumor progression and predicts breast cancer patient survival

Cell Death Differ. 2025 Jan 20. doi: 10.1038/s41418-024-01430-2.

<https://doi.org/10.1038/s41418-024-01430-2>

De Paola E, Forcina L, Pelosi L, Pisu S, La Rosa P, Cesari E, Nicoletti C, Madaro L, Mercatelli N, Biamonte F, Nobili A, D'Amelio M, De Bardi M, Volpe E, Caporossi D, Sette C, Musarò A, Paronetto MP:
Sam68 splicing regulation contributes to motor unit establishment in the postnatal skeletal muscle
Life Sci Alliance. 2020 Aug 4;3(10):e201900637. doi: 10.26508/lsa.201900637.

<https://www.life-science-alliance.org/content/lsa/3/10/e201900637.full.pdf>

De Rose S, Kuga Y, Sillo F, Fochi V, Sakamoto N, Calevo J, Perotto S, Balestrini R:

Plant and fungal gene expression coupled with stable isotope labelling provide novel information on sulfur uptake and metabolism in orchid mycorrhizal protocorms

Plant J. 2023 Jul 8. doi: 10.1111/tpj.16381.

<https://doi.org/10.1111/tpj.16381>

De Santis S, Galleggiante V, Scandiffio L, Liso M, Sommella E, Sobolewski A, Spilotro V, Pinto A, Campiglia P, Serino G, Santino A, Notarnicola M, Chieppa M:

Secretory Leukoprotease Inhibitor (Slpi) Expression Is Required for Educating Murine Dendritic Cells Inflammatory Response Following Quercetin Exposure

Nutrients. 2017 Jul 6;9(7). pii: E706. doi: 10.3390/nu9070706.

<http://www.mdpi.com/resolver?pii=nu9070706>

Deguchi A, Tatsuzawa F, Ishii K, Abe T, and Miyoshi K:

Localized Repression of Two bHLH Genes is Involved in the Formation of White Margins and White Abaxial Surfaces in Carnation Petals by Inducing the Absence of Anthocyanin Synthesis

The Horticulture Journal Preview, 14 Oct 2021, doi: 10.2503/hortj.UTD-313

https://www.jstage.jst.go.jp/article/hortj/advpub/0/advpub_UTD-313/_pdf

Dehn, D., Burbach, G.J., Schafer, R., and Deller, T.:

NG2 upregulation in the denervated rat fascia dentata following unilateral entorhinal cortex lesion

Glia 53(5): 491-500 (2006)

<http://onlinelibrary.wiley.com/doi/10.1002/glia.20307/full>

Del Turco D, Paul MH, Schlaudraff J, Hick M, Endres K, Müller UC, and Deller T:

Region-Specific Differences in Amyloid Precursor Protein Expression in the Mouse Hippocampus

Front. Mol. Neurosci., 29 November 2016

<http://dx.doi.org/10.3389/fnmol.2016.00134>

Del Turco D, Schlaudraff J, Bonin M, Deller T:

Upregulation of APP, ADAM10 and ADAM17 in the Denervated Mouse Dentate Gyrus

PLoS ONE 9(1): e84962. doi:10.1371/journal.pone.0084962

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0084962>

Dela Cruz A, Kartha V, Tilston-Lunel A, Mi R, Reynolds TL, Mingueneau M, Monti S, Jensen JL, Skarstein K, Varelas X, Kukuruzinska MA:

Gene expression alterations in salivary gland epithelia of Sjögren's syndrome patients are associated with clinical and histopathological manifestations

Sci Rep. 2021 May 27;11(1):11154. doi: 10.1038/s41598-021-90569-w.

<https://www.nature.com/articles/s41598-021-90569-w>

Deng W, Xing C, David R, Mastreoni D, Ning MM, Lo EH, Coleman PD:

AmpliSeq Transcriptome of Laser Captured Neurons from Alzheimer Brain: Comparison of Single Cell Versus Neuron Pools

Aging and Disease, Volume 10, Number 6; xxx-xx, December 2019

<http://dx.doi.org/10.14336/AD.2019.0225>

Deyarmin B, Kane JL, Valente AL, van Laar R, Gallagher C, Shriver CD, Ellsworth RE:

Effect of ASCO/CAP Guidelines for Determining ER Status on Molecular Subtype

Ann Surg Oncol. 2012 Aug 9. [Epub ahead of print]

<http://dx.doi.org/10.1245/s10434-012-2588-8>

Di Chiaro P, Nacci L, Arco F, Brandini S, Polletti S, Palamidessi A, Donati B, Soriani C, Gualdrini F, Frigè G, Mazzarella L, Ciarrocchi A, Zerbi A, Spaggiari P, Scita G, Rodighiero S, Barozzi I, Diaferia GR, Natoli G:

Mapping functional to morphological variation reveals the basis of regional extracellular matrix subversion and nerve invasion in pancreatic cancer

Cancer Cell. 2024 Mar 18:S1535-6108(24)00079-5. doi: 10.1016/j.ccell.2024.02.017.

<https://doi.org/10.1016/j.ccell.2024.02.017>

Di Giaimo R, Durovic T, Barquin P, Kocijaj A, Lepko T, Aschenbroich S, Breunig CT, Irmeler M, Cernilogar FM, Schotta G, Barbosa JS, Trümbach D, Baumgart EV, Neuner AM, Beckers J, Wurst W, Stricker SH, Ninkovic J:

The Aryl Hydrocarbon Receptor Pathway Defines the Time Frame for Restorative Neurogenesis

Cell Rep. 2018 Dec 18;25(12):3241-3251.e5. doi: 10.1016/j.celrep.2018.11.055.

<https://www.sciencedirect.com/science/article/pii/S221124718318187>

Dienel SJ, Bazmi HH, Lewis DA:

Development of transcripts regulating dendritic spines in layer 3 pyramidal cells of the monkey prefrontal cortex: Implications for the pathogenesis of schizophrenia

Neurobiol Dis. 2017 May 30. pii: S0969-9961(17)30125-0. doi: 10.1016/j.nbd.2017.05.016.

[https://linkinghub.elsevier.com/retrieve/pii/S0969-9961\(17\)30125-0](https://linkinghub.elsevier.com/retrieve/pii/S0969-9961(17)30125-0)

Dierkes, C., Kreisel, M., Schulz, A., Steinmeyer, J., Wolff, J.C., and Fink, L.:

Catabolic properties of microdissected human endosteal bone lining cells

Calcif Tissue Int 84(2): 146-155 (2009)

<http://www.springerlink.com/content/a2h715150m525279/>

Diodato A, Ruinart de Brimont M, Yim YS, Derian N, Perrin S, Pouch J, Klatzmann D, Garel S, Choi GB, Fleischmann A:

Molecular signatures of neural connectivity in the olfactory cortex

Nat Commun. 2016 Jul 18;7:12238. doi: 10.1038/ncomms12238.

<http://www.nature.com/ncomms/2016/160718/ncomms12238/full/ncomms12238.html>

Dogra D, Ahuja S, Kim HT, Rasouli SJ, Stainier DYR, Reischauer S :

Opposite effects of Activin type 2 receptor ligands on cardiomyocyte proliferation during development and repair

Nat Commun. 2017 Dec 1;8(1):1902. doi: 10.1038/s41467-017-01950-1

<http://dx.doi.org/10.1038/s41467-017-01950-1>

Doi M, Murai I, Kunisue S, Setsu G, Uchio N, Tanaka R, Kobayashi S, Shimatani H, Hayashi H, Chao HW, Nakagawa Y, Takahashi Y, Hotta Y, Yasunaga J, Matsuoka M, Hastings MH, Kiyonari H, Okamura H:

Gpr176 is a Gz-linked orphan G-protein-coupled receptor that sets the pace of circadian behaviour

Nat Commun. 2016 Feb 17;7:10583. doi: 10.1038/ncomms10583.

<http://dx.doi.org/10.1038/ncomms10583>

Dong J, Wang Y, Xu L, Li B, Wang K, Ying J, He Q, Liu L :

RsCLE22a Regulates the Taproot Growth through Auxin Signaling-related Pathway in Radish (*Raphanus sativus* L.)

J Exp Bot. 2022 Oct 14;erac406. doi: 10.1093/jxb/erac406.

<https://doi.org/10.1093/jxb/erac406>

Dong J, Wang Y, Xu L, Li B, Zhang X, Chen Y, Ying J, Chen S, Cui F, Liu L:

RsLBD3 regulates the secondary growth of taproot by integrating auxin and cytokinin signaling in radish (*Raphanus sativus* L.)

J Integr Plant Biol. 2025 May 7. doi: 10.1111/jipb.13918.

<https://doi.org/10.1111/jipb.13918>

Doucet-Beaupré H, Gilbert C, Profes MS, Chabrat A, Pacelli C, Giguère N, Rioux V, Charest J, Deng Q, Laguna A, Ericson J, Perlmann T, Ang SL, Cicchetti F, Parent M, Trudeau LE, Lévesque M :

Lmx1a and Lmx1b regulate mitochondrial functions and survival of adult midbrain dopaminergic neurons

Proc Natl Acad Sci U S A. 2016 Jul 12. pii: 201520387.

<http://www.pnas.org/cgi/lookup?view=long&pmid=27407143>

Dowling KF, Dienel SJ, Barile Z, Bazmi HH, Lewis DA:

Localization and Diagnostic Specificity of Glutamic Acid Decarboxylase Transcript Alterations in the Dorsolateral Prefrontal Cortex in Schizophrenia

Biol Psychiatry. 2023 Apr 13:S0006-3223(23)01199-X. doi: 10.1016/j.biopsych.2023.04.003.

<https://doi.org/10.1016/j.biopsych.2023.04.003>

Dragicevic E, Poetschke C, Duda J, Schlaudraff F, Lammel S, Schiemann J, Fauler M, Hetzel A, Watanabe M, Lujan R, Malenka RC, Striessnig J, Liss B:

Cav1.3 channels control D2-autoreceptor responses via NCS-1 in substantia nigra dopamine neurons

Brain. 2014 Jun 16. pii: awu131.

<http://brain.oxfordjournals.org/content/early/2014/06/16/brain.awu131.full>

Drexel M, Puhakka N, Kirchmair E, Hörtnagl H, Pitkänen A, Sperk G:

Expression of GABA receptor subunits in the hippocampus and thalamus after experimental traumatic brain injury

Neuropharmacology. 2014 Sep 16. pii: S0028-3908(14)00306-2. doi: 10.1016/j.neuropharm.2014.08.023.

<http://www.sciencedirect.com/science/article/pii/S0028390814003062>

Du X, Ma X, Tan Y, Shao F, Li C, Zhao Y, Miao Y, Han L, Dang G, Song Y, Yang D, Deng Z, Wang Y, Jiang C, Kong W, Feng J, Wang X:

B cell-derived anti-beta 2 glycoprotein I antibody mediates hyperhomocysteinemia-aggravated hypertensive glomerular lesions by triggering ferroptosis

Signal Transduct Target Ther. 2023 Mar 13;8(1):103. doi: 10.1038/s41392-023-01313-x.

<https://www.nature.com/articles/s41392-023-01313-x>

Duda J, Fauler M, Gründemann J, Liss B:

Cell-Specific RNA Quantification in Human SN DA Neurons from Heterogeneous Post-mortem Midbrain Samples by UV-Laser Microdissection and RT-qPCR

Methods Mol Biol. 2018;1723:335-360. doi: 10.1007/978-1-4939-7558-7_19.

https://link.springer.com/protocol/10.1007/978-1-4939-7558-7_19

Duot M, Coomson SY, Shrestha SK, Nagulla MVMK, Audic Y, Barve RA, Huang H, Gautier-Courteille C, Paillard L, Lachke SA:

Transcriptome Meta-Analysis Uncovers Cell-Specific Regulatory Relationships in Embryonic, Juvenile, Adult, and Aged Mouse Lens Epithelium and Fibers

Invest Ophthalmol Vis Sci. 2025 Apr 1;66(4):42. doi: 10.1167/iovs.66.4.42.

<https://doi.org/10.1167/iovs.66.4.42>

Dzamukova M, Brunner TM, Miotla-Zarebska J, Heinrich F, Brylka L, Mashreghi MF, Kusumbe A, Kühn R, Schinke T, Vincent TL, Löhning M:

Mechanical forces couple bone matrix mineralization with inhibition of angiogenesis to limit adolescent bone growth

Nat Commun. 2022 Jun 1;13(1):3059. doi: 10.1038/s41467-022-30618-8.

<https://www.nature.com/articles/s41467-022-30618-8>

Dzamukova M, Brunner TM, Miotla-Zarebska J, Heinrich F, Brylka L, Mashreghi MF, Kusumbe A, Kühn R, Schinke T, Vincent TL, and Löhning M:

Mechanical forces switch blood vessel subtypes to arrest adolescent bone growth

Research Square, V1, 12 Jan 2021, DOI: 10.21203/rs.3.rs-120475/v1

<https://www.researchsquare.com/article/rs-120475/v1>

Eadon M, Barwinska D, Cheng Y-H, Ferkowicz MJ, Parikh SV, Rovin BH, Shapiro JP, Dagher PC, El-Achkar TM:

Laser microdissection for regional transcriptomics and proteomics V.2

Protocols.io, 10 Apr 2020, dx.doi.org/10.17504/protocols.io.bew6jfh

<https://www.protocols.io/view/laser-microdissection-for-regional-transcriptomics-bew6jfh>

Ebelt ND, Zuniga E, Johnson BL, Diamond DJ, Manuel ER:

5-Azacytidine Potentiates Anti-tumor Immunity in a Model of Pancreatic Ductal Adenocarcinoma

Front Immunol. 2020 Mar 31;11:538. doi: 10.3389/fimmu.2020.00538. eCollection 2020.

<https://www.frontiersin.org/articles/10.3389/fimmu.2020.00538/full>

Echizen K, Horiuchi K, Aoki Y, Yamada Y, Minamoto T, Oshima H, Oshima M:
NF- κ B-induced NOX1 activation promotes gastric tumorigenesis through the expansion of SOX2-positive epithelial cells

Oncogene. 2019 Jan 30. doi: 10.1038/s41388-019-0702-0.

<https://www.nature.com/articles/s41388-019-0702-0>

Edris R, Sultan LD, Best C, Mizrahi R, Weinstein O, Chen S, Kamennaya NA, Keren N, Zer H, Zhu H, Ostersetzer-Biran O:

Root Primordium Defective 1 Encodes an Essential PORR Protein Required for the Splicing of Mitochondria Encoded Group II Introns and for Respiratory Complex I Biogenesis

Plant Cell Physiol. 2023 Sep 13;pcad101. doi: 10.1093/pcp/pcad101.

<https://doi.org/10.1093/pcp/pcad101>

Ehashi T, Takemura T, Hanagata N, Minowa T, Kobayashi H, Ishihara K, Yamaoka T:

Comprehensive Genetic Analysis of Early Host Body Reactions to the Bioactive and Bio-Inert Porous Scaffolds

PLoS ONE 9(1): e85132. doi:10.1371/journal.pone.0085132

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0085132>

Eickhoff A, Tjaden J, Stahlke S, Vorgerd M, Theis V, Matschke V, Theiss C:

Effects of progesterone on T-type-Ca²⁺-channel expression in Purkinje cells

Neural Regeneration Research: Nov 2022, Vol. 17, Issue 11, doi: 10.4103/1673-5374.339008

https://journals.lww.com/nrronline/Fulltext/2022/11000/Effects_of_progesterone_on_T_type_Ca2_chann el.33.aspx

El-Azzamy H, Balogh A, Romero R, Xu Y, LaJeunesse C, Plazyo O, Xu Z, Price TG, Dong Z, Tarca AL, Papp Z, Hassan SS, Chaiworapongsa T, Kim CJ, Gomez-Lopez N, Than NG:

Characteristic Changes in Decidual Gene Expression Signature in Spontaneous Term Parturition

J Pathol Transl Med. 2017 Feb 22. doi: 10.4132/jptm.2016.12.20.

<http://www.jpatholtm.org/journal/view.php?doi=10.4132/jptm.2016.12.20>

Elliott GC, Gurtu R, McCollum C, Newman WG, Wang T:

Foramen Ovale Closure Is a Process of Endothelial-to-Mesenchymal Transition Leading to Fibrosis

PLoS One. 2014 Sep 12;9(9):e107175. doi: 10.1371/journal.pone.0107175. eCollection 2014.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0107175>

Ellsworth RE, Field LA, Love B, Kane JL, Hooke JA, and Shriver CD:

Differential Gene Expression in Primary Breast Tumors Associated with Lymph Node Metastasis

Int J Breast Cancer Volume 2011 (2011), Article ID 142763, 7 pages

<http://www.sage-hindawi.com/journals/ijbc/2011/142763/abs/>

Ellsworth RE, Seebach J, Field LA, Heckman C, Kane J, Hooke JA, Love B, Shriver CD:

A gene expression signature that defines breast cancer metastases

Clin Exp Metastasis 26(3):205-13 (2009)

<http://www.springerlink.com/content/102574228038m751/>

Elser BA, Kayali K, Dhakal R, O'Hare B, Wang K, Lehmler HJ, Stevens HE:

Combined maternal exposure to cypermethrin and stress affect embryonic brain and placental outcomes in mice

Toxicol Sci. 2020 Mar 19. pii: kfaa040. doi: 10.1093/toxsci/kfaa040.

<https://academic.oup.com/toxsci/article-lookup/doi/10.1093/toxsci/kfaa040>

El-Zaatari M, Kao JY, Tessier A, Bai L, Hayes MM, Fontaine C, Eaton KA, Merchant JL :

Gli1 deletion prevents helicobacter-induced gastric metaplasia and expansion of myeloid cell subsets

PLoS One. 2013;8(3):e58935. doi: 10.1371/journal.pone.0058935.
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0058935>

Engelse, M.A., Lardenoye, J.H., Neele, J.M., Grimbergen, J.M., De Vries, M.R., Lamfers, M.L., Pannekoek, H., Quax, P.H., and De Vries, C.J.:

Adenoviral activin a expression prevents intimal hyperplasia in human and murine blood vessels by maintaining the contractile smooth muscle cell phenotype

Circ Res 90(10): 1128-1134 (2002)
<http://circres.ahajournals.org/cgi/content/full/90/10/1128>

Enwright III JF, Huo Z, Arion D, Corradi JP, Tseng G, Lewis DA:

Transcriptome Alterations of Prefrontal Cortical Parvalbumin Neurons in Schizophrenia

Mol Psychiatry. 2018 Jul;23(7):1606-1613. doi: 10.1038/mp.2017.216.
<http://dx.doi.org/10.1038/mp.2017.216>

Erben R, Latic N, Sun N, Buck A, Zupcic A, Hofer M, Chang W, Walch A, Grabner A:

Deletion of Cardiac Fgf23 Impairs Myocardial Energy Metabolism and Ameliorates Fibrosis in a Pressure Overload Model in Mice

Research Square, Dec 22nd 2023
<https://doi.org/10.21203/rs.3.rs-3705542/v1>

Eriksen AH, Andersen RF, Pallisgaard N, Sørensen FB, Jakobsen A, Hansen TF:

MicroRNA Expression Profiling to Identify and Validate Reference Genes for the Relative Quantification of microRNA in Rectal Cancer

PLoS One. 2016 Mar 3;11(3):e0150593. doi: 10.1371/journal.pone.0150593.
<http://journals.plos.org/plosone/article/authors?id=10.1371%2Fjournal.pone.0150593>

Eriksen AHM, Sørensen FB, Andersen RF, Jakobsen A, Hansen TF:

Association between the expression of microRNAs and the response of patients with locally advanced rectal cancer to preoperative chemoradiotherapy

Oncology Letters, 14, 201-209. <https://doi.org/10.3892/ol.2017.6141>
<https://www.spandidos-publications.com/10.3892/ol.2017.6141>

Esakky P, Hansen DA, Drury AM, Moley KH:

Molecular Analysis of Cell Type-Specific Gene Expression Profile During Mouse Spermatogenesis by Laser Microdissection and qRT-PCR

Reprod Sci. 2012 Aug 30.
<http://rsx.sagepub.com/cgi/pmidlookup?view=long&pmid=22941942>

Eslami A, Miyaguchi K, Mogushi K, Watanabe H, Okada N, Shibuya H, Mizushima H, Miura M, Tanaka H:
PARVB overexpression increases cell migration capability and defines high risk for endophytic growth and metastasis in tongue squamous cell carcinoma

Br J Cancer. 2014 Nov 25. doi: 10.1038/bjc.2014.590.
<http://www.nature.com/bjc/journal/vaop/ncurrent/full/bjc2014590a.html>

Espadas I, Wingfield J, Grinman E, Ghosh I, Chanda K, Nakahata Y, Bauer K, Raveendra B, Kiebler M, Yasuda R, Rangaraju V, Puthanveetil S:

SLAMR, a synaptically targeted lncRNA, facilitates the consolidation of contextual fear memory

Research Square 2023
<https://assets.researchsquare.com/files/rs-2489387/v1/dae2ebaeae3e3597d0f0f908.pdf>

Espadas I, Wingfield JL, Nakahata Y, Chanda K, Grinman E, Ghosh I, Bauer KE, Raveendra B, Kiebler MA, Yasuda R, Rangaraju V, Puthanveetil S:

Synaptically-targeted long non-coding RNA SLAMR promotes structural plasticity by increasing translation and CaMKII activity

Nat Commun. 2024 Mar 27;15(1):2694. doi: 10.1038/s41467-024-46972-8.

<https://www.nature.com/articles/s41467-024-46972-8>

Farini D, Cesari E, Weatheritt RJ, La Sala G, Naro C, Pagliarini V, Bonvissuto D, Medici V, Guerra M, Di Pietro C, Rizzo FR, Musella A, Carola V, Centonze D, Blencowe BJ, Marazziti D, Sette C:

A Dynamic Splicing Program Ensures Proper Synaptic Connections in the Developing Cerebellum

Cell Rep. 2020 Jun 2;31(9):107703. doi: 10.1016/j.celrep.2020.107703.

[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(20\)30673-2](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(20)30673-2)

Fededa JP, Esk C, Mierzwa B, Stanyte R, Yuan S, Zheng H, Ebnet K, Yan W, Knoblich JA, Gerlich DW:

MicroRNA-34/449 controls mitotic spindle orientation during mammalian cortex development

EMBO J. 2016 Oct 5. pii: e201694056.

<http://emboj.embopress.org/cgi/pmidlookup?view=long&pmid=27707753>

Felwick RK, Dingley GJR, Martinez-Nunez R, Sanchez-Elsner T, Cummings JRF, Collins JE:

MicroRNA23a Overexpression in Crohn's Disease Targets Tumour Necrosis Factor Alpha Inhibitor Protein 3, Increasing Sensitivity to TNF and Modifying the Epithelial Barrier

J Crohns Colitis. 2019 Oct 18. pii: jjz145. doi: 10.1093/ecco-jcc/jjz145.

<https://academic.oup.com/ecco-jcc/article-lookup/doi/10.1093/ecco-jcc/jjz145>

Feng, X., Ren, C., Zhou, W., Liu, W., Zeng, L., Li, G., Wang, L., Li, M., Zhu, B., Yao, K. and Jiang, X:

Promoter Hypermethylation Along With LOH, But Not Mutation, Contributes to Inactivation of DLC-1 in Nasopharyngeal Carcinoma

Mol. Carcinog., 12 JUN 2013, DOI: 10.1002/mc.22044

<http://onlinelibrary.wiley.com/doi/10.1002/mc.22044/abstract>

Feng X, Xu M, Liu Y, Wang X, Duan Y, Zheng X, Yin W, Cai Y, Zhang W, Jiang Q, Pang J, Li J:

The sperm quality in DIO male mice is linked to the NF- κ B signaling and Ppp2ca expression in the hypothalamus

ISCIENCE (2025), doi: <https://doi.org/10.1016/j.isci.2025.112110>.

<https://doi.org/10.1016/j.isci.2025.112110>

Field LA, Love B, Deyarmin B, Hooke JA, Shriver CD, Ellsworth RE:

Identification of differentially expressed genes in breast tumors from African American compared with Caucasian women

Cancer. 2012 Mar 1;118(5):1334-44. doi: 10.1002/cncr.26405. Epub 2011 Jul 28.

<http://dx.doi.org/10.1002/cncr.26405>

Fierro-Castro C, Santa-Cruz MC, Hernández-Sánchez M, Teles M, Tort L:

Analysis of steroidogenic pathway key transcripts in interrenal cells isolated by laser microdissection (LMD) in stressed rainbow trout

Comp Biochem Physiol A Mol Integr Physiol. 2015 Sep 7;190:39-46. doi: 10.1016/j.cbpa.2015.09.002.

[http://linkinghub.elsevier.com/retrieve/pii/S1095-6433\(15\)00238-X](http://linkinghub.elsevier.com/retrieve/pii/S1095-6433(15)00238-X)

Fink KL, López-Giráldez F, Kim IJ, Strittmatter SM, Cafferty WB :

Identification of Intrinsic Axon Growth Modulators for Intact CNS Neurons after Injury

Cell Rep. 2017 Mar 14;18(11):2687-2701. doi: 10.1016/j.celrep.2017.02.058.

[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(17\)30256-5](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(17)30256-5)

Fiorilli V, Belmondo S, Khouja HR, Abbà S, Faccio A, Daghino S, Lanfranco L :

RiPEIP1, a gene from the arbuscular mycorrhizal fungus *Rhizophagus irregularis*, is preferentially expressed in planta and may be involved in root colonization

Mycorrhiza. 2016 Apr 13.

<http://dx.doi.org/10.1007/s00572-016-0697-0>

Frierson, H.F., Jr., El-Naggar, A.K., Welsh, J.B., Sapinoso, L.M., Su, A.I., Cheng, J., Saku, T., Moskaluk, C.A., and Hampton, G.M.:

Large scale molecular analysis identifies genes with altered expression in salivary adenoid cystic carcinoma

Am J Pathol 161(4): 1315-1323 (2002)

<http://www.journals.elsevierhealth.com/periodicals/ajpa/article/S0002-9440%2810%2964408-2/abstract>

Fochi V, Chitarra W, Kohler A, Voyron S, Singan VR, Lindquist EA, Barry KW, Girlanda M, Grigoriev IV, Martin F, Balestrini R, Perotto S:

Fungal and plant gene expression in the *Tulasnella calospora*-*Serapias vomeracea* symbiosis provides clues about nitrogen pathways in orchid mycorrhizas

New Phytol. 2016 Nov 11. doi: 10.1111/nph.14279.

<http://onlinelibrary.wiley.com/doi/10.1111/nph.14279/abstract>

Fontugne J, Wong J, Cabel L, Neyret-Kahn H, Karboul N, Maillé P, Rapinat A, Gentien D, Nicolas A, Baulande S, Sibony M, Bernard-Pierrot I, Radvanyi F, Allory Y:

Progression-associated molecular changes in basal/squamous and sarcomatoid bladder carcinogenesis

J Pathol. 2023 Jan 25. doi: 10.1002/path.6060.

<https://doi.org/10.1002/path.6060>

Forman K, Martínez F, Cifuentes M, Bertinat R, Salazar K, Nualart F:

Aging Selectively Modulates Vitamin C Transporter Expression Patterns in the Kidney

J Cell Physiol. 2016 Jul 27. doi: 10.1002/jcp.25504.

<http://dx.doi.org/10.1002/jcp.25504>

Forman K, Martínez F, Cifuentes M, Fernández M, Bertinat R, Torres P, Salazar K, Godoy A, Nualart F:

Dehydroascorbic acid, the oxidized form of vitamin C, improves renal histology and function in old mice

J Cell Physiol. 2020 May 21. doi: 10.1002/jcp.29791.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/jcp.29791>

Forsthoefel DJ, Cejda NI, Khan UW, Newmark PA

Cell-type diversity and regionalized gene expression in the planarian intestine

Elife. 2020 Apr 2;9. pii: e52613. doi: 10.7554/eLife.52613.

<https://elifesciences.org/articles/52613.pdf>

Fox E, Jones R, Samanta R, Summers C:

Characterising the transcriptome of hypersegmented human neutrophils

Wellcome Open Research 2021, 6:343 Last updated: 17 DEC 2021

<https://doi.org/10.12688/wellcomeopenres.17440.1>

Friedrich SR, Nevue AA, Andrade ALP, Velho TAF, Mello CV:

Emergence of sex-specific transcriptomes in a sexually dimorphic brain nucleus

Cell Rep. 2022 Aug 2;40(5):111152. doi: 10.1016/j.celrep.2022.111152.

<https://doi.org/10.1016/j.celrep.2022.111152>

Fu Y, Li S, Xu L, Ji C, Xiao Q, Shi D, Wang G, Wang W, Wang J, Wang J, and Wu Y:

RNA sequencing of cleanly isolated early endosperms reveals coenocyte-to-cellularization transition features in maize

Seed Biology 2023, 2:8, DOI: 10.48130/SeedBio-2023-0008

<https://doi.org/10.48130/SeedBio-2023-0008>

Fu Y, Li W, Mai Y, Guan J, Ding R, Hou J, Chen B, Cao G, Sun S, Tang Y, and Fu R:

Association between RMTg Neuropeptide Genes and Negative Effect during Alcohol Withdrawal in Mice

Int. J. Mol. Sci. 2024, 25(5), 2933; <https://doi.org/10.3390/ijms25052933>

<https://doi.org/10.3390/ijms25052933>

Fu Z, Löfqvist CA, Liegl R, Wang Z, Sun Y, Gong Y, Liu CH, Meng SS, Burnim SB, Arellano I, Chouinard MT, Duran R, Poblete A, Cho SS, Akula JD, Kinter M, Ley D, Pupp IH, Talukdar S, Hellström A, Smith LE:

Photoreceptor glucose metabolism determines normal retinal vascular growth

EMBO Mol Med. 2017 Nov 27. pii: e201707966. doi: 10.15252/emmm.201707966.

<http://embomolmed.embopress.org/cgi/pmidlookup?view=long&pmid=29180355>

Fujimoto H, Woo GH, Inoue K, Igarashi K, Kanno J, Hirose M, Nishikawa A, and Shibutani M:

Increased cellular distribution of vimentin and Ret in the cingulum induced by developmental hypothyroidism in rat offspring maternally exposed to anti-thyroid agents

Reproductive Toxicology, Available online 6 April 2012, ISSN 0890-6238, 10.1016/j.reprotox.2012.03.005.

<http://www.sciencedirect.com/science/article/pii/S0890623812000482>

Fujimura M, Usuki F:

In situ different antioxidative systems contribute to the site-specific methylmercury neurotoxicity in mice

Toxicology. 2017 Oct 13;392:55-63. doi: 10.1016/j.tox.2017.10.004.

[https://linkinghub.elsevier.com/retrieve/pii/S0300-483X\(17\)30307-4](https://linkinghub.elsevier.com/retrieve/pii/S0300-483X(17)30307-4)

Fujimura T, Inoue S, Urano T, Takayama K, Yamada Y, Ikeda K, Obinata D, Ashikari D, Takahashi S, Homma Y:

Increased expression of tripartite motif (TRIM) 47 is a negative prognostic predictor in human prostate cancer

Clinical Genitourinary Cancer, Available online 28 January 2016, ISSN 1558-7673

<http://dx.doi.org/10.1016/j.clgc.2016.01.011>

Fujimura T, Takahashi S, Urano T, Takayama K, Sugihara T, Obinata D, Yamada Y, Kumagai J, Kume H, Ouchi Y, Inoue S, Homma Y:

Expression of androgen and estrogen signaling components and stem cell markers to predict cancer progression and cancer-specific survival in patients with metastatic prostate cancer

Clin Cancer Res. 2014 Jul 1. pii: clincanres.1105.2013.

<http://clincancerres.aacrjournals.org/cgi/pmidlookup?view=long&pmid=24987058>

Fujisawa M, Kanda T, Shibata T, Sasaki R, Masuzaki R, Matsumoto N, Nirei K, Imazu H, Kuroda K, Sugitani M, Takayama T, Moriyama M:

Involvement of the Interferon Signaling Pathways in Pancreatic Cancer Cells

Anticancer Res. 2020 Aug;40(8):4445-4455. doi: 10.21873/anticancerres.14449.

<http://ar.iiarjournals.org/content/40/8/4445.full.pdf>

Fujita K, Taya Y, Shimazu Y, Aoba T, Soeno Y :

Molecular signaling at the fusion stage of the mouse mandibular arch: involvement of insulin-like growth factor family

Int J Dev Biol. 2013 Apr 12.

<http://www.ijdb.ehu.es/web/paper/120110ys/molecular-signaling-at-the-fusion-stage-of-the-mouse-mandibular-arch-involvement-of-insulin-like-growth-factor-family>

Fukushima S:

Genomic and transcriptomic analyses of melanoma in Japanese patients reveal candidate biomarkers for immune checkpoint inhibitor responders

Research Square, 18. Feb 2025

<https://doi.org/10.21203/rs.3.rs-5997977/v1>

Gabery S, Salinas CG, Paulsen SJ, Ahnfelt-Rønne J, Alanentalo T, Baquero AF, Buckley ST, Farkas E, Fekete C, Frederiksen KS, Helms HCC, Jeppesen JF, John LM, Pyke C, Nøhr J, Lu TT, Poley-Wolf J, Prevot V, Raun K, Simonsen L, Sun G, Szilvásy-Szabó A, Willenbrock H, Secher A, Knudsen LB :

Semaglutide lowers body weight in rodents via distributed neural pathways

JCI Insight. 2020 Mar 26;5(6). pii: 133429. doi: 10.1172/jci.insight.133429.

<https://insight.jci.org/articles/view/133429/pdf>

Gagner JP, Zagzag D:

Probing Glioblastoma Tissue Heterogeneity with Laser Capture Microdissection

Methods Mol Biol. 2018;1741:209-220. doi: 10.1007/978-1-4939-7659-1_17.

https://link.springer.com/protocol/10.1007/978-1-4939-7659-1_17

Galiger C, Kostin S, Golec A, Ahlbrecht K, Becker S, Gherghiceanu M, Popescu LM, Morty RE, Seeger W, Voswinckel R:

Phenotypical and ultrastructural features of Oct4-positive cells in the adult mouse lung

J Cell Mol Med. 2014 Jun 3. doi: 10.1111/jcmm.12295.

<http://onlinelibrary.wiley.com/doi/10.1111/jcmm.12295/pdf>

Gansevoort M, Oostendorp C, Bouwman LF, Tiemessen DM, Geutjes PJ, Feitz WFJ, van Kuppevelt TH, Daamen WF:

Collagen-Heparin-FGF2-VEGF Scaffolds Induce a Regenerative Gene Expression Profile in a Fetal Sheep Wound Model

Tissue Eng Regen Med. 2024 Aug 31. doi: 10.1007/s13770-024-00667-9.

<https://doi.org/10.1007/s13770-024-00667-9>

Gao F, Zhang G, Liu Y, He Y, Sheng Y, Sun X, Du Y, Yang C:

Activation of CD44 signaling in leader cells induced by tumor-associated macrophages drives collective detachment in luminal breast carcinomas

Cell Death Dis. 2022 Jun 9;13(6):540. doi: 10.1038/s41419-022-04986-4.

<https://www.nature.com/articles/s41419-022-04986-4>

Gao M, Zhang T, Chen T, Chen Z, Zhu Z, Wen Y, Qin S, Bao Y, Zhao T, Li H, Liu L, Hao M, Wang J, Wang F, Wang H, Zhou B, Zhang H, Xia G, Wang C:

Polycomb repressive complex 1 modulates granulosa cell proliferation in early folliculogenesis to support female reproduction

Theranostics. 2024 Jan 27;14(4):1371-1389. doi: 10.7150/thno.89878. eCollection 2024.

<https://doi.org/10.7150%2Fthno.89878>

Gao Y, Jiang M, Guo F, Liu X, Zhang Q, Yang S, Yeung YT, Yang R, Wang K, Wu Q, Zhang D, Zhang C, Laster KV, Ge M, Nie W, Liu K, Dong Z:

A novel lncRNA MTAR1 promotes cancer development through IGF2BPs mediated post-transcriptional regulation of c-MYC

Oncogene. 2022 Sep 15. doi: 10.1038/s41388-022-02464-x.

<https://www.nature.com/articles/s41388-022-02464-x>

García-García AB, Gómez-Mateo MC, Hilario R, Rentero-Garrido P, Martínez-Domenech A, Gonzalez-Albert V, Cervantes A, Marín-García P, Chaves FJ, Ferrández-Izquierdo A, Sabater L:

mRNA expression profiles obtained from microdissected pancreatic cancer cells can predict patient survival

Oncotarget. 2017 Aug 3;8(62):104796-104805. doi: 10.18632/oncotarget.20076. eCollection 2017 Dec 1.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5739601/pdf/oncotarget-08-104796.pdf>

García-Nicolás O; Rosales RS, Pallarés FJ, Risco D, Quereda JJ, Graham SP, Frossard J-P, Morgan SB, Steinbach F, Drew TW, Strickland TS, Salguero FJ:

Comparative analysis of cytokine transcript profiles within mediastinal lymph node compartments of pigs after infection with porcine reproductive and respiratory syndrome genotype 1 strains differing in pathogenicity

Vet Res. 2015; 46(1): 34. 2015 Mar 19. doi: 10.1186/s13567-015-0161-8
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4364558/>

Garcia-Ovejero D, Arevalo-Martin A, Paniagua-Torija B, Florensa-Vila J, Ferrer I, Grassner L, Molina-Holgado E:

The ependymal region of the adult human spinal cord differs from other species and shows ependymoma-like features

Brain. 2015 Apr 15. pii: awv089.
<http://brain.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=25882650>

Garcia-Ovejero D, Paniagua-Torija B, Arevalo-Martin A, Navarro-Galve B, Molina-Holgado E:

Laser-Capture Microdissection for the Analysis of Rat and Human Spinal Cord Ependyma by qPCR

Methods Mol Biol. 2018;1723:285-318. doi: 10.1007/978-1-4939-7558-7_17.
https://link.springer.com/protocol/10.1007/978-1-4939-7558-7_17

Garrido-Gomez T, Ona K, Kapidzic M, Gormley M, Simón C, Genbacev O, Fisher SJ :

Severe preeclampsia is associated with alterations in cytotrophoblasts of the smooth chorion

Development. 2017 Feb 23. pii: dev.146100. doi: 10.1242/dev.146100.
<http://dev.biologists.org/cgi/pmidlookup?view=long&pmid=28232601>

Garshick MS, Nikain C, Tawil M, Pena S, Barrett TJ, Wu BG, Gao Z, Blaser MJ, Fisher EA:

Reshaping of the gastrointestinal microbiome alters atherosclerotic plaque inflammation resolution in mice

Sci Rep. 2021 Apr 26;11(1):8966. doi: 10.1038/s41598-021-88479-y.
<https://www.nature.com/articles/s41598-021-88479-y>

Garst-Orozco J, Malik R, Lanz TA, Weber ML, Xi H, Arion D, Enwright JF 3rd, Lewis DA, O'Donnell P, Sohal VS, Buhl DL:

GluN2D-mediated excitatory drive onto medial prefrontal cortical PV+ fast-spiking inhibitory interneurons

PLoS One. 2020 Jun 4;15(6):e0233895. doi: 10.1371/journal.pone.0233895. eCollection 2020.
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0233895>

Gąska M, Kuśmider M, Solich J, Faron-Górecka A, Krawczyk MJ, Kułakowski K, Dziedzicka-Wasylewska M:

Analysis of region-specific changes in gene expression upon treatment with citalopram and desipramine reveals temporal dynamics in response to antidepressant drugs at the transcriptome level

Psychopharmacology (Berl). 2012 May 1. [Epub ahead of print]
<http://dx.doi.org/10.1007/s00213-012-2714-0>

Gassler, N., Newrzella, D., Bohm, C., Lyer, S., Li, L., Sorgenfrei, O., van Laer, L., Sido, B., Mollenhauer, J., Poustka, A., Schirmacher, P., and Gretz, N.:

Molecular characterisation of non-absorptive and absorptive enterocytes in human small intestine

Gut 55(8): 1084-1089 (2006)
<http://gut.bmj.com/content/55/8/1084.abstract>

Gebeshuber CA, Kornauth C, Dong L, Sierig R, Seibler J, Reiss M, Tauber S, Bilban M, Wang S, Kain R, Böhmig GA, Moeller MJ, Gröne HJ, Englert C, Martinez J, Kerjaschki D :

Focal segmental glomerulosclerosis is induced by microRNA-193a and its downregulation of WT1

Nat Med. 2013 Apr;19(4):481-7. doi: 10.1038/nm.3142.
<http://dx.doi.org/10.1038/nm.3142>

Gebril M, Hirota Y, Aikawa S, Fukui Y, Kaku T, Matsuo M, Hirata T, Akaeda S, Hiraoka T, Shimizu-Hirota R, Takeda N, Taha T, Balah OA, Elnoury MAH, Fujii T, Osuga Y:

Uterine epithelial progesterone receptor governs uterine receptivity through epithelial cell differentiation.

Endocrinology. 2020 Oct 25:bqaa195. doi: 10.1210/endocr/bqaa195.

<https://academic.oup.com/endo/advance-article-abstract/doi/10.1210/endocr/bqaa195/5939206>

Geel TM, Rots MG, Asgeirsdottir SA, Voorn P, Ruiters MHJ, Niezen-Koning KE:

Mimicking Pompe phenotypes for future therapeutic studies: Biodistribution of non-modified siRNA

Dissertation, 2010

<http://dissertations.ub.rug.nl/FILES/faculties/medicine/2010/t.m.geel/05c5.pdf>

Gehmeyer J, Maghnouj A, Tjaden J, Vorgerd M, Hahn S, Matschke V, Theis V, and Theiss C :

Disabling VEGF-Response of Purkinje Cells by Downregulation of KDR via miRNA-204-5p

Int. J. Mol. Sci. 2021, 22(4), 2173; <https://doi.org/10.3390/ijms22042173>

<https://www.mdpi.com/1422-0067/22/4/2173>

Genre A, Bonfante P:

The Interface Between Plants and Mycorrhizal Fungi: Nutrient Exchange, Signaling and Cell Organization

Fungal Associations; The Mycota Volume 9, 2012, pp 39-49

http://link.springer.com/chapter/10.1007%2F978-3-642-30826-0_3?LI=true

Gil-Gómez G, Fassan M, Nonell L, Garrido M, Climent M, Anglada R, Iglesias M, Guzzardo V, Borga C, Grande L, de Bolós C, Pera M:

miR-24-3p regulates CDX2 during intestinalization of cardiac-type epithelium in a human model of Barrett's esophagus.

Dis Esophagus. 2021 Feb 9:doab005. doi: 10.1093/dote/doab005.

<https://academic.oup.com/dote/advance-article-abstract/doi/10.1093/dote/doab005/6131383>

Gill BC, Balog BM, Dissaranan C, Jiang HH, Steward JB, Lin DL, Damaser MS

Neurotrophin therapy improves recovery of the neuromuscular continence mechanism following simulated birth injury in rats

Neurourol Urodyn. 2012 May 11. doi: 10.1002/nau.22264

<http://dx.doi.org/10.1002/nau.22264>

Gillard M, Lack J, Pontier A, Gandla D, Hatcher D, Sowalsky AG, Rodriguez-Nieves J, Vander Griend D, Paner G, VanderWeele D:

Integrative Genomic Analysis of Coincident Cancer Foci Implicates CTNNB1 and PTEN Alterations in Ductal Prostate Cancer

Eur Urol Focus. 2017 Dec 8. pii: S2405-4569(17)30272-9. doi: 10.1016/j.euf.2017.12.003.

[http://www.eu-focus.europeanurology.com/article/S2405-4569\(17\)30272-9/fulltext](http://www.eu-focus.europeanurology.com/article/S2405-4569(17)30272-9/fulltext)

Gillespie MJ, Crowley TM, Haring VR, Wilson SL, Harper JA, Payne JS, Green D, Monaghan P, Donald JA, Nicholas KR, Moore RJ:

Transcriptome analysis of pigeon milk production - role of cornification and triglyceride synthesis genes

BMC Genomics. 2013 Mar 13;14:169. doi: 10.1186/1471-2164-14-169.

<http://www.biomedcentral.com/1471-2164/14/169>

Gilling CE, Mittal AK, Chaturvedi NK, Iqbal J, Aoun P, Bierman PJ, Bociek RG, Weisenburger DD, Joshi SS:

Lymph node-induced immune tolerance in chronic lymphocytic leukaemia: a role for caveolin-1

Br J Haematol. 2012 May 10. doi: 10.1111/j.1365-2141.2012.09148.x.
<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2141.2012.09148.x/abstract>

Giovannetti M, Balestrini R, Volpe V, Guether M, Straub D, Costa A, Ludewig U, Bonfante P:
Two putative-aquaporin genes are differentially expressed during arbuscular mycorrhizal symbiosis in *Lotus japonicus*
BMC Plant Biol. 2012 Oct 9;12(1):186.
<http://www.biomedcentral.com/1471-2229/12/186>

Giovannetti E, van der Velde A, Funel N, Vasile E, Perrone V, Leon LG, De Lio N, Avan A, Caponi S, Pollina LE, Gallá V, Sudo H, Falcone A, Campani D, Boggi U, Peters GJ:
High-Throughput MicroRNA (miRNAs) Arrays Unravel the Prognostic Role of MiR-211 in Pancreatic Cancer
PLoS One. 2012;7(11):e49145. doi: 10.1371/journal.pone.0049145. Epub 2012 Nov 14.
<http://dx.plos.org/10.1371/journal.pone.0049145>

Giovannetti E, Wang Q, Avan A, Funel N, Lagerweij T, Lee JH, Caretti V, van der Velde A, Boggi U, Wang Y, Vasile E, Peters GJ, Wurdinger T, Giaccone G:
Role of CYB5A in Pancreatic Cancer Prognosis and Autophagy Modulation
J Natl Cancer Inst. 2013 Dec 3.
<http://jnci.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=24301457>

Giovannetti, E., Del Tacca, M., Mey, V., Funel, N., Nannizzi, S., Ricci, S., Orlandini, C., Boggi, U., Campani, D., Del Chiaro, M., Iannopolo, M., Bevilacqua, G., Mosca, F., and Danesi, R.:
Transcription analysis of human equilibrative nucleoside transporter-1 predicts survival in pancreas cancer patients treated with gemcitabine
Cancer Res 66(7): 3928-3935 (2006)
<http://cancerres.aacrjournals.org/content/66/7/3928.long>

Giovannetti E, Funel N, Peters GJ, Del Chiaro M, Erozcenci LA, Vasile E, Leon LG, Pollina LE, Groen A, Falcone A, Danesi R, Campani D, Verheul HM, Boggi U:
MicroRNA-21 in pancreatic cancer: correlation with clinical outcome and pharmacologic aspects underlying its role in the modulation of gemcitabine activity
Cancer Res. 2010 Jun 1;70(11):4528-38
<http://cancerres.aacrjournals.org/content/70/11/4528.short>

Gipson IK, Spurr-Michaud S, Tisdale A:
Human Conjunctival Goblet Cells Express the Membrane Associated Mucin MUC16: Localization to mucin granules
Exp Eye Res. 2015 Dec 27. pii: S0014-4835(15)30094-4. doi: 10.1016/j.exer.2015.12.009.
<http://www.sciencedirect.com/science/article/pii/S0014483515300944>

Giraldo JA, Damaris Molano R, Rengifo HR, Fotino C, Gattás-Asfura KM, Pileggi A, Stabler CL:
The Impact of Cell Surface PEGylation and Short-Course Immunotherapy on Islet Graft Survival in an Allogeneic Murine Model
Acta Biomater. 2016 Nov 30. pii: S1742-7061(16)30656-0. doi: 10.1016/j.actbio.2016.11.060.
[https://linkinghub.elsevier.com/retrieve/pii/S1742-7061\(16\)30656-0](https://linkinghub.elsevier.com/retrieve/pii/S1742-7061(16)30656-0)

Głowacka A, Ji B, Szczepankiewicz AA, Skup M, Gajewska-Woźniak O:
BDNF Spinal Overexpression after Spinal Cord Injury Partially Protects Soleus Neuromuscular Junction from Disintegration, Increasing VACHT and AChE Transcripts in Soleus but Not Tibialis Anterior Motoneurons
Biomedicines. 2022 Nov 8;10(11):2851. doi: 10.3390/biomedicines10112851.
<https://doi.org/10.3390/biomedicines10112851>

Golbar HM, Izawa T, Bondoc A, Wijesundera KK, Tennakoon AH, Kuwamura M, Yamate J:
Attenuation of alpha-naphthylisothiocyanate (ANIT)-induced biliary fibrosis by depletion of hepatic macrophages in rats
Exp Toxicol Pathol. 2017 Jan 31. pii: S0940-2993(16)30212-3. doi: 10.1016/j.etp.2017.01.005.
[https://linkinghub.elsevier.com/retrieve/pii/S0940-2993\(16\)30212-3](https://linkinghub.elsevier.com/retrieve/pii/S0940-2993(16)30212-3)

Gomez SK, Harrison MJ:
Laser microdissection and its application to analyze gene expression in arbuscular mycorrhizal symbiosis
Pest Manag Sci 65(5): 504-11 (2009)
<http://onlinelibrary.wiley.com/doi/10.1002/ps.1715/full>

Gómez-Ariza J, Balestrini R, Novero M and Bonfante P
Cell-specific gene expression of phosphate transporters in mycorrhizal tomato roots
Biology and Fertility of Soils 45(8): 845-853 (2009)
<http://www.springerlink.com/content/72503011k6720883/>

Gong L, Yan-Hong Li, Qin Su, Gang Li, Wen-Dong Zhang, and Wei Zhang:
Use of X-chromosome inactivation pattern and laser microdissection to determine the clonal origin of focal nodular hyperplasia of the liver
Pathology 2009, Vol. 41, No. 4, Pages 348-355
<http://journals.lww.com/pathologyrcpa/pages/articleviewer.aspx?year=2009&issue=41040&article=00005&type=abstract>

Gonzalez-Fernandez C, Arevalo-Martin A, Paniagua-Torija B, Ferrer I, Rodriguez FJ, Garcia-Ovejero D:
Wnts Are Expressed in the Ependymal Region of the Adult Spinal Cord
Mol Neurobiol. 2016 Oct 8.
<http://dx.doi.org/10.1007/s12035-016-0132-8>

Gorman LM, Konciute MK, Cui G, Oakley CA, Grossman AR, Weis VM, Aranda M, and Davy SK:
Symbiosis with Dinoflagellates Alters Cnidarian Cell-Cycle Gene Expression
Cellular Microbiology, (23rd May) Volume 2022, Article ID 3330160, 20 pages
<https://doi.org/10.1155/2022/3330160>

Gormley M, Oliverio O, Kapidzic M, Ona K, Hall S, Fisher SJ:
RNA profiling of laser microdissected human trophoblast subtypes at mid-gestation reveals a role for cannabinoid signaling in invasion
Development. 2021 Sep 24;dev.199626. doi: 10.1242/dev.199626.
<https://journals.biologists.com/dev/article/doi/10.1242/dev.199626/272276/RNA-profiling-of-laser-microdissected-human>

Gormley M, Ona K, Kapidzic M, Garrido-Gomez T, Zdravkovic T, Fisher SJ:
Preeclampsia: Novel Insights from Global RNA Profiling of Trophoblast Subpopulations
Am J Obstet Gynecol. 2017 Mar 24. pii: S0002-9378(17)30441-6. doi: 10.1016/j.ajog.2017.03.017.
<http://www.sciencedirect.com/science/article/pii/S0002937817304416>

Gotoh O, Sugiyama Y, Takazawa Y, Kato K, Tanaka N, Omatsu K, Takeshima N, Nomura H, Hasegawa K, Fujiwara K, Taki M, Matsumura N, Noda T, Mori S:
Clinically relevant molecular subtypes and genomic alteration-independent differentiation in gynecologic carcinosarcoma
Nat Commun. 2019 Oct 31;10(1):4965. doi: 10.1038/s41467-019-12985-x.
<https://www.nature.com/articles/s41467-019-12985-x>

Gotté M, Bérnard M, Kiefer-Meyer MC, Jaber R, Moore JP, Vicré-Gibouin M, and Driouich A:

Endoplasmic Reticulum Body–Related Gene Expression in Different Root Zones of Arabidopsis Isolated by Laser-Assisted Microdissection

The Plant Genome, Vol. 9 No. 2 Jul 7 2016, doi:10.3835/plantgenome2015.08.0076
<https://dl.sciencesocieties.org/publications/tpg/articles/9/2/plantgenome2015.08.0076>

Gohno T, Hanamura T, Kurosumi M, Takei H, Yamaguchi Y, Hayashi SI:

One DNA Methylation Regulates CHIP Gene Expression of Human Breast Cancer and Predicts Recurrence

Anticancer Res. 2022 Feb;42(2):759-766. doi: 10.21873/anticancer.15534.
<https://ar.iiarjournals.org/content/42/2/759>

Gorshkov O, Chernova T, Mokshina N, Gogoleva N, Suslov D, Tkachenko A, Gorshkova T:

Intrusive Growth of Phloem Fibers in Flax Stem: Integrated Analysis of miRNA and mRNA Expression Profiles

Plants (Basel). 2019 Feb 19;8(2). pii: E47. doi: 10.3390/plants8020047.
<http://www.mdpi.com/resolver?pii=plants8020047>

Govaere O, Cockell S, Van Haele M, Wouters J, Van Delm W, Van den Eynde K, Bianchi A, van Eijsden R, Van Steenberghe W, Monbaliu D, Nevens F, Roskams T:

High-throughput sequencing identifies aetiology-dependent differences in ductular reaction in human chronic liver disease

J Pathol. 2018 Dec 25. doi: 10.1002/path.5228.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/path.5228>

Governa V, de Oliveira KG, Bång-Rudénstam A, Offer S, Cerezo-Magaña M, Li J, Beyer S, Johansson MC, Månsson AS, Edvardsson C, Durmo F, Gustafsson E, Boukredine A, Jeannot P, Schmidt K, Gezelius E, Menard JA, Garza R, Jakobsson J, de Neergaard T, Sundgren PC, Tiihonen AM, Haapasalo H, Rautajoki KJ, Nordenfelt P, Darabi A, Forsberg-Nilsson K, Pietras A, Talbot H, Bengzon J, Belting M:

Protumoral lipid droplet-loaded macrophages are enriched in human glioblastoma and can be therapeutically targeted

Sci Transl Med. 2024 Oct 30;16(771):eadk1168. doi: 10.1126/scitranslmed.adk1168.
<https://doi.org/10.1126/scitranslmed.adk1168>

Gozalbes Esterelles L:

Determinación de la actuación de los bloqueadores beta adrenérgicos sobre la vasodilatación producida por las catecolaminas en la microcirculación de tejidos cutáneos in vitro

thesis (Spanish language), 2021

<https://roderic.uv.es/bitstream/handle/10550/79872/Impresi%C3%B3n%20Tesis%20Doctoral%20Laurabel%20Gozalbes%20Esterelles%20-%20copia.pdf>

Granados JM, Ávila C, Cánovas FM, Cañas RA:

Selection and testing of reference genes for accurate RT-qPCR in adult needles and seedlings of maritime pine

Tree Genetics & Genomes, June 2016, 12:60
<http://link.springer.com/article/10.1007/s11295-016-1018-7>

Green H, Zhang X, Tiklova K, Volakakis N, Brodin L, Berg L, Greengard P, Perlmann T, Svenningsson P:

Alterations of p11 in brain tissue and peripheral blood leukocytes in Parkinson's disease

Proc Natl Acad Sci U S A. 2017 Jan 30. pii: 201621218. doi: 10.1073/pnas.1621218114.
<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=28137881>

Greig CJ, Armenia SJ, Cowles RA:

The M1 muscarinic acetylcholine receptor in the crypt stem cell compartment mediates intestinal mucosal growth

Exp Biol Med (Maywood). 2020 Jul 1:1535370220938375. doi: 10.1177/1535370220938375.

<https://journals.sagepub.com/doi/10.1177/1535370220938375>

Gründemann J, Schlaudraff F, Haeckel O, Liss B.

Elevated alpha-synuclein mRNA levels in individual UV-laser-microdissected dopaminergic substantia nigra neurons in idiopathic Parkinson's disease.

Nucleic Acids Res. 2008 Apr;36(7):e38. Epub 2008 Mar 10.

<http://nar.oxfordjournals.org/content/36/7/e38.long>

Gründemann J, Schlaudraff F, Liss B:

UV-Laser Microdissection and mRNA Expression Analysis of Individual Neurons from Postmortem Parkinson's Disease Brains

Methods Mol Biol. 2011;755:363-74

<http://www.springerlink.com/content/n106421460111003/#section=924970&page=1>

Grünwald BT, Devisme A, Andrieux G, Vyas F, Aliar K, McCloskey CW, Macklin A, Jang GH, Denroche R, Romero JM, Bavi P, Bronsert P, Notta F, O'Kane G, Wilson J, Knox J, Tamblyn L, Udaskin M, Radulovich N, Fischer SE, Boerries M, Gallinger S, Kislinger T, Khokha R:

Spatially confined sub-tumor microenvironments in pancreatic cancer.

Cell. 2021 Oct 7:S0092-8674(21)01105-3. doi: 10.1016/j.cell.2021.09.022.

<https://www.sciencedirect.com/science/article/pii/S0092867421011053>

Grünwald BT, Devisme A, Andrieux G, Vyas F, Aliar K, McCloskey C, Macklin A, Jang GH, Denroche R, Romero JM, Bavi P, Bronsert P, Notta F, O'Kane G, Wilson J, Knox J, Tamblyn L, Radulovich N, Fischer SE, Boerries M, Gallinger S, Kislinger T, Khokha R:

Spatially confined sub-tumor microenvironments orchestrate pancreatic cancer pathobiology

bioRxiv, 19 Feb 2021, doi: <https://doi.org/10.1101/2021.02.18.431890>

<https://www.biorxiv.org/content/10.1101/2021.02.18.431890v1>

Grycz K, Głowacka A, Ji B, Czarkowska-Bauch J, Gajewska-Woźniak O, Skup M

Early pre- and postsynaptic decrease in glutamatergic and cholinergic signaling after spinalization is not modified when stimulating proprioceptive input to the ankle extensor α -motoneurons: Anatomical and neurochemical study

PLoS One. 2019 Sep 26;14(9):e0222849. doi: 10.1371/journal.pone.0222849. eCollection 2019.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0222849>

Guagliardo NA, Yao J, Stipes EJ, Cechova S, Le TH, Bayliss DA, Breault DT, Barrett PQ:

Adrenal Tissue-Specific Deletion of TASK Channels Causes Aldosterone-Driven Angiotensin II-Independent Hypertension

Hypertension. 3 DEC 2018;0:HYPERTENSIONAHA.118.11962

<https://www.ahajournals.org/doi/abs/10.1161/HYPERTENSIONAHA.118.11962>

Guerrero-Santoro J, Morizane M, Oh SY, Mishima T, Goff JP, Bildirici I, Sadovsky E, Ouyang Y, Tyurin VA, Tyurina YY, Kagan VE, Sadovsky Y:

The lipase cofactor CGI58 controls placental lipolysis

JCI Insight. 2023 May 22;8(10):e168717. doi: 10.1172/jci.insight.168717.

<https://doi.org/10.1172/jci.insight.168717>

Guo Y, Min J, Chang B, Liu L, Zhang J, Chen W:

Modulation of podocyte extracellular matrix remodeling in membranous nephropathy by the NFATc3/LRRC55/BK channel pathway

J Cell Commun Signal. 2025 Jun 13;19(2):e70022. doi: 10.1002/ccs3.70022.

<https://doi.org/10.1002/ccs3.70022>

Guo Z, Wang Y, Li R, Huang H, Wang R:

Use of laser microdissection in the analysis of renal infiltrating T cells in murine lupus

Centr Eur J Immunol 2014; 39 (3): 285-293, DOI (digital object identifier): 10.5114/ceji.2014.45113
<http://www.termia.pl/Experimental-immunology-Use-of-laser-microdissection-in-the-analysis-of-of-renal-infiltrating-T-cells-in-murine-lupus,10,23490,1,1.html>

Guo Z, Wei M, Xu C, Wang L, Li J, Liu J, Zhong Y, Chi B, Song S, Zhang L, Song L, Ma D, Zheng HL :
Genome-wide identification of *Avicennia marina* aquaporins reveals their role in adaptation to intertidal habitats and their relevance to salt secretion and vivipary
Plant Cell Environ. 2023 Nov 20. doi: 10.1111/pce.14769.
<https://doi.org/10.1111/pce.14769>

Gutierrez-Chavez, C., Knockaert, S., Dieu-Nosjean, MC., Goc, J. :
Methods for Selective Gene Expression Profiling in Single Tertiary Lymphoid Structure Using Laser Capture Microdissection
Dieu-Nosjean, MC. (eds) Tertiary Lymphoid Structures. Methods in Molecular Biology, vol 2864. Humana, New York, NY (2025).
https://doi.org/10.1007/978-1-0716-4184-2_6

Haegglblom L, Ährlund-Richter A, Mirzaie L, Farrajota Neves da Silva P, Ursu RG, Ramqvist T, Näsman A :
Differences in gene expression between high-grade dysplasia and invasive HPV+ and HPV- tonsillar and base of tongue cancer
Cancer Med. 2019 Aug 27. doi: 10.1002/cam4.2450.
<https://onlinelibrary.wiley.com/doi/pdf/10.1002/cam4.2450>

Hagelkruys A, Lager S, Krahmer J, Leopoldi A, Artaker M, Pusch O, Zezula J, Weissmann S, Xie Y, Schöfer C, Schleder M, Brosch G, Matthias P, Selfridge J, Lassmann H, Knoblich JA, Seiser C:
A single allele of Hdac2 but not Hdac1 is sufficient for normal mouse brain development in the absence of its paralog
Development. 2014 Feb;141(3):604-16. doi: 10.1242/dev.100487.
<http://dev.biologists.org/cgi/pmidlookup?view=long&pmid=24449838>

Hagiya M, Inoue T, Furuno T, Iino T, Itami S, Nakanishi M, Asada H, Hosokawa Y, Ito A:
Increased expression of cell adhesion molecule 1 by mast cells as a cause of enhanced nerve-mast cell interaction in a hapten-induced mouse model of atopic dermatitis
Br J Dermatol. 2012 Oct 27. doi: 10.1111/bjd.12108.
<http://dx.doi.org/10.1111/bjd.12108>

Hagner S, Welz H, Kicic A, Alrifai M, Marsh LM, Sutanto EN, Ling KM, Stick SM, Müller B, Weissmann N, Renz H:
Suppression of adrenomedullin contributes to vascular leakage and altered epithelial repair during asthma: Experimental Allergy and Immunology
Allergy. 2012 Jun 12. doi: 10.1111/j.1398-9995.2012.02851.x.
<http://onlinelibrary.wiley.com/doi/10.1111/j.1398-9995.2012.02851.x/abstract>

Haishima A, Murakami M, Ikeda T, Inoue K, Kamiie J, Shirota K:
Detection of Bcl-2 mRNA and its product in the glomerular podocytes of the normal rat kidney
Exp Toxicol Pathol. 2011 Jan 7.
<http://dx.doi.org/10.1016/j.etp.2010.12.006>

Haku S, Wakui H, Azushima K, Haruhara K, Kinguchi S, Ohki K, Uneda K, Kobayashi R, Matsuda M, Yamaji T, Yamada T, Minegishi S, Ishigami T, Yamashita A, Ohashi K, Tamura K:
Early Enhanced Leucine-Rich α -2-Glycoprotein-1 Expression in Glomerular Endothelial Cells of Type 2 Diabetic Nephropathy Model Mice
Biomed Res Int. 2018 Nov 1;2018:2817045. doi: 10.1155/2018/2817045. eCollection 2018.
<https://dx.doi.org/10.1155/2018/2817045>

Hamatani H, Eng DG, Kaverina NV, Gross KW, Freedman B, Pippin JW, Shankland SJ:
LINEAGE TRACING AGED MOUSE KIDNEYS SHOWS LOWER NUMBER OF CELLS OF RENIN LINEAGE AND REDUCED RESPONSIVENESS TO RAAS INHIBITION
Am J Physiol Renal Physiol. 2018 Feb 7. doi: 10.1152/ajprenal.00570.2017.
<http://www.physiology.org/doi/abs/10.1152/ajprenal.00570.2017>

Hamatani, K., Eguchi, H., Takahashi, K., Koyama, K., Mukai, M., Ito, R., Taga, M., Yasui, W., and Nakachi, K.:
Improved RT-PCR amplification for molecular analyses with long-term preserved formalin-fixed, paraffin-embedded tissue specimens
J Histochem Cytochem 54(7): 773-780 (2006)
<http://jhc.sagepub.com/content/54/7/773.long>

Hammoudeh SM, Hammoudeh AM, Venkatachalam T, Rawat S, Jayakumar MN, Rahmani M, and Hamoudi R:
Enriched transcriptome analysis of laser capture microdissected populations of single cells to investigate intracellular heterogeneity in immunostained FFPE sections
Computational and Structural Biotechnology Journal, 9 Sep 21, S2001-0370(21)00395-0
<https://doi.org/10.1016/j.csbj.2021.09.010>

Han GH, Yun H, Chung JY, Kim JH, Cho H:
MED9 Expression Level as a Biomarker of Epithelial Ovarian Cancer Progression and Prognosis
Cancer Genomics Proteomics. 2022 Nov-Dec;19(6):692-702. doi: 10.21873/cgp.20352.
<https://cgp.iarjournals.org/content/cgp/19/6/692.full.pdf>

Han R, Hu S, Qin W, Shi J, Zeng C, Bao H, Liu Z:
Upregulated long noncoding RNA LOC105375913 induces tubulointerstitial fibrosis in focal segmental glomerulosclerosis
Sci Rep. 2019 Jan 24;9(1):716. doi: 10.1038/s41598-018-36902-2.
<http://dx.doi.org/10.1038/s41598-018-36902-2>

Han S, Gonzalo DH, Feely M, Delitto D, Behrns KE, Beveridge M, Zhang D, Thomas R, Trevino JG, Schmittgen TD, Hughes SJ:
The pancreatic tumor microenvironment drives changes in miRNA expression that promote cytokine production and inhibit migration by the tumor associated stroma
Oncotarget. 2016 Jul 20. doi: 10.18632/oncotarget.10722.
<http://www.impactjournals.com/oncotarget/misc/linkedout.php?pii=10722>

Han TS, Oshima M:
Laser Microdissection of Cellular Compartments for Expression Analyses in Cancer Models
Methods Mol Biol. 2018;1725:143-153. doi: 10.1007/978-1-4939-7568-6_12.
https://link.springer.com/protocol/10.1007/978-1-4939-7568-6_12

Han Y, Liao Q, Wang H, Rao S, Yi P, Tang L, Tian Y, Oyang L, Wang H, Shi Y, Zhou Y:
High expression of calreticulin indicates poor prognosis and modulates cell migration and invasion via activating Stat3 in nasopharyngeal carcinoma
Journal of Cancer, 2019; 10(22): 5460-5468. doi: 10.7150/jca.35362
<http://www.jcancer.org/v10p5460.pdf>

Handschiek K, Beuerlein K, Jurida L, Bartkuhn M, Müller H, Soelch J, Weber A, Dittrich-Breiholz O, Schneider H, Scharfe M, Jarek M, Stellzig J, Schmitz ML, Kracht M:
Cyclin-Dependent Kinase 6 Is a Chromatin-Bound Cofactor for NF- κ B-Dependent Gene Expression
Mol Cell. 2013 Dec 31. pii: S1097-2765(13)00870-8. doi: 10.1016/j.molcel.2013.12.002.
<https://www.cell.com/molecular-cell/abstract/S1097-2765%2813%2900870-8>

Han, Y.M., Romero, R., Kim, J.S., Tarca, A.L., Kim, S.K., Draghici, S., Kusanovic, J.P., Gotsch, F., Mittal, P., Hassan, S.S., and Kim, C.J.:

Region-specific gene expression profiling: novel evidence for biological heterogeneity of the human amnion

Biol Reprod 79(5): 954-961 (2008)

<http://www.biolreprod.org/content/79/5/954.long>

Hara M, Kobayakawa K, Ohkawa Y, Kumamaru H, Yokota K, Saito T, Kijima K, Yoshizaki S, Harimaya K, Nakashima Y, Okada S:

Interaction of reactive astrocytes with type I collagen induces astrocytic scar formation through the integrin-N-cadherin pathway after spinal cord injury

Nat Med. 2017 Jul;23(7):818-828. doi: 10.1038/nm.4354.

<http://www.nature.com/articles/nm.4354>

Haraguchi H, Saito-Fujita T, Hirota Y, Egashira M, Matsumoto L, Matsuo M, Hiraoka T, Koga K, Yamauchi N, Fukayama M, Bartos A, Cha J, Dey SK, Fujii T, Osuga Y:

MicroRNA-200a locally attenuates progesterone signaling in the cervix preventing embryo implantation

Mol Endocrinol. 2014 May 21:me20141097.

<http://press.endocrine.org/doi/pdf/10.1210/me.2014-1097>

Harris JC, Trigg NA, Goshu B, Yokoyama Y, Dohnalová L, White EK, Harman A, Murga-Garrido SM, Ting-Chun Pan J, Bhanap P, Thaiss CA, Grice EA, Conine CC, Kambayashi T:

The microbiota and T cells non-genetically modulate inherited phenotypes transgenerationally

Cell Rep. 2024 Apr 3;43(4):114029. doi: 10.1016/j.celrep.2024.114029.

<https://doi.org/10.1016/j.celrep.2024.114029>

Harrop TW, Ud Din I, Gregis V, Osnato M, Jouannic S, Adam H, Kater MM:

Gene expression profiling of reproductive meristem types in early rice inflorescences by laser microdissection

Plant J. 2016 Apr;86(1):75-88. doi: 10.1111/tpj.13147.

<http://dx.doi.org/10.1111/tpj.13147>

Hartanti MD, Rosario R, Hummitzsch K, Bastian NA, Hatzirodos N, Bonner WM, Bayne RA, Irving-Rodgers HF, Anderson RA, Rodgers RJ:

Could perturbed fetal development of the ovary contribute to the development of polycystic ovary syndrome in later life?

PLoS One. 2020 Feb 20;15(2):e0229351. doi: 10.1371/journal.pone.0229351. eCollection 2020.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0229351>

Hartmann K, Schlombs K, Laible M, Gürtler C, Schmidt M, Sahin U, Lehr HA:

Robustness of biomarker determination in breast cancer by RT-qPCR: impact of tumor cell content, DCIS and non-neoplastic breast tissue

Diagn Pathol. 2018 Oct 20;13(1):83. doi: 10.1186/s13000-018-0760-6.

<https://diagnosticpathology.biomedcentral.com/articles/10.1186/s13000-018-0760-6>

Hasegawa E, Inafuku S, Mulki L, Okunuki Y, Yanai R, Smith KE, Kim CB, Klokman G, Bielenberg DR, Puli N, Falck JR, Husain D, Miller JW, Edin ML, Zeldin DC, Lee KSS, Hammock BD, Schunck WH, Connor KM:

Cytochrome P450 monooxygenase lipid metabolites are significant second messengers in the resolution of choroidal neovascularization

Proc Natl Acad Sci U S A. 2017 Aug 21. pii: 201620898. doi: 10.1073/pnas.1620898114.

www.pnas.org/cgi/doi/10.1073/pnas.1620898114

Hashimoto, A., Matsui, T., Tanaka, S., Ishikawa, A., Endo, H., Hirohata, S., Kondo, H., Neumann, E., Tarner, I.H., and Muller-Ladner, U.:

Laser-mediated microdissection for analysis of gene expression in synovial tissue

Mod Rheumatol 17(3): 185-190 (2007)

<http://www.springerlink.com/content/p7j8347u126p7506/>

Hashimoto, A., Tarner, I.H., Bohle, R.M., Gaumann, A., Manetti, M., Distler, O., Steinmeyer, J., Ulfgren, A.K., Schulz, A., Gay, S., Muller-Ladner, U., and Neumann, E.:

Analysis of vascular gene expression in arthritic synovium by laser-mediated microdissection

Arthritis Rheum 56(4): 1094-1105 (2007)

<http://onlinelibrary.wiley.com/doi/10.1002/art.22450/full>

Hashimoto H, Nomura N, Shoda W, Isobe K, Kikuchi H, Yamamoto K, Fujimaru T, Ando F, Mori T, Okado T, Rai T, Uchida S, Sohara E:

Metformin increases urinary sodium excretion by reducing phosphorylation of the sodium-chloride cotransporter

Metabolism. 2018 Mar 3. pii: S0026-0495(18)30062-3. doi: 10.1016/j.metabol.2018.02.009.

<https://www.sciencedirect.com/science/article/pii/S0026049518300623>

Hatterschide J:

E7, Ptpn14, And Yap1: How Papillomaviruses Retain Cells In The Basal Epithelial Layer With Implications For Persistence And Carcinogenesis

Publicly Accessible Penn (2022) Dissertations. 5374

<https://repository.upenn.edu/cgi/viewcontent.cgi?article=7160&context=edissertations>

Hawkins MG, Winder DM, Ball SL, Vaughan K, Sonnex C, Stanley MA, Sterling JC, Goon PK:

Detection of specific HPV subtypes responsible for the pathogenesis of condylomata acuminata

Virol J. 2013 May 1;10(1):137.

<http://www.virologyj.com/content/10/1/137>

Hayden EY, Putman J, Nunez S, Shin WS, Oberoi M, Charreton M, Dutta S, Li Z, Komuro Y, Joy MT, Bitan G, MacKenzie-Graham A, Jiang L, Hinman JD:

Ischemic axonal injury up-regulates MARK4 in cortical neurons and primes tau phosphorylation and aggregation

Acta Neuropathol Commun. 2019 Aug 20;7(1):135. doi: 10.1186/s40478-019-0783-6.

<https://actaneurocomms.biomedcentral.com/track/pdf/10.1186/s40478-019-0783-6>

Hayen C:

Unveiling The Therapeutic Potential of Glycine Receptor Alpha 2 in Psychosis

Thesis, 2023

<https://documentserver.uhasselt.be/bitstream/1942/41064/1/0954ccb9-e7c5-4032-9651-25a03756d870.pdf>

He JJ, Hu G, Shen MY, Fan YJ, Shi XS, Wu XM, Guo WW, Xia QM, Xie KD:

Comprehensive analysis of imprinted genes in citrus endosperm and their contributions to seed development

Plant J. 2025 Jun;122(6):e70290. doi: 10.1111/tpj.70290.

<https://doi.org/10.1111/tpj.70290>

Hecking I, Stegemann LN, Stahlke S, Theis V, Vorgerd M, Matschke V, Theiss C:

Methods to Study the Myenteric Plexus of Rat Small Intestine

Cell Mol Neurobiol. 2021 Dec 21. doi: 10.1007/s10571-021-01181-5.

<https://link.springer.com/content/pdf/10.1007/s10571-021-01181-5.pdf>

Hee Han G:

Clinical significance of tumor infiltrating lymphocytes in association with hormone receptor expression patterns in epithelial ovarian cancer

Thesis, 2021

<https://ir.ymlib.yonsei.ac.kr/bitstream/22282913/185523/1/TA02999.pdf>

Heil, S.G., De Vriese, A.S., Kluijtmans, L.A., Dijkman, H., van Strien, D., Akkers, R., and Blom, H.J.:
Cytochrome P450-2C11 mRNA is not expressed in endothelial cells dissected from rat renal arterioles

Nephron Physiol 99(2): p43-49 (2005)

<http://content.karger.com/produktedb/produkte.asp?DOI=83135&typ=pdf>

Hemmerling J, Heller K, Hörmannspurger G, Bazanella M, Clavel T, Kollias G, Haller D:

Fetal Exposure to Maternal Inflammation Does Not Affect Postnatal Development of Genetically-Driven Ileitis and Colitis

PLoS ONE 9(5): e98237. doi: 10.1371/journal.pone.0098237

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0098237#pone-0098237-g004>

Hemmerling J, Jansen J, Müller M, Haller D:

Fetal gut laser microdissection in combination with RNA preamplification enables epithelial-specific transcriptional profiling

Journal of Immunological Methods, 2014 Nov 24, doi:10.1016/j.jim.2014.11.008

<http://www.sciencedirect.com/science/article/pii/S0022175914003214>

Hempel Sullivan H, Maynard JP, Heaphy CM, Lu J, De Marzo AM, Lotan TL, Joshi CE, Sfanos KS:

Differential mast cell phenotypes in benign versus cancer tissues and prostate cancer oncologic outcomes

J Pathol. 2020 Dec 18. doi: 10.1002/path.5606.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/path.5606>

Henriques A, Kastner S, Chatzikonstantinou E, Pitzer C, Plaas C, Kirsch F, Wafzig O, Carola K, Spoelgen R, Gonzalez_de_aguilera J, Gretz N and Schneider A:

Gene expression changes in spinal motoneurons of the SOD1G93A transgenic model for ALS after treatment with G-CSF

Front. Cell. Neurosci. 8:464. (2014) doi:10.3389/fncel.2014.00464

<http://journal.frontiersin.org/Journal/10.3389/fncel.2014.00464/abstract>

Henriques A, Kastner S, Wafzig O, Gonzalez De Aguilera JL, Schneider A :

Analytical sequence to study G-CSF effect on the transcriptome of isolated spinal motor neurons from SOD1 G93A mice, an animal model for amyotrophic lateral sclerosis

Genomics Data 28 Feb 2015, doi:10.1016/j.gdata.2015.02.003

<http://www.sciencedirect.com/science/article/pii/S2213596015000161>

Hermkens DMA, Stam OCG, de Wit NM, Fontijn RD, Jongejan A, Moerland PD, Mackaaij C, Waas ISE, Daemen MJAP, de Vries HE:

Profiling the unique protective properties of intracranial arterial endothelial cells

Acta Neuropathol Commun. 2019 Oct 14;7(1):151. doi: 10.1186/s40478-019-0805-4.

<https://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-019-0805-4>

Hester AK, Semwal MK, Cepeda S, Xiao Y, Rueda M, Wimberly K, Venables T, Dileepan T, Kraig E, Griffith AV

Redox regulation of age-associated defects in generation and maintenance of T cell self-tolerance and immunity to foreign antigens

Cell Rep. 2022 Feb 15;38(7):110363. doi: 10.1016/j.celrep.2022.110363

<https://www.sciencedirect.com/science/article/pii/S2211124722000845>

Hicks DJ, Kelly M, Brookes SM, Londt BZ, Ortiz Pelaez A, Orlowska A, Brown IH, Spencer YI, Núñez A:
Cytokine Expression at Different Stages of Influenza A(H1N1)pdm09 Virus Infection in the Porcine Lung, Using Laser Capture Microdissection

Transbound Emerg Dis. 2014 Jun 3. doi: 10.1111/tbed.12232.
<http://onlinelibrary.wiley.com/doi/10.1111/tbed.12232/abstract>

Hideyama T, Teramoto S, Hachiga K, Yamashita T, Kwak S:
Co-Occurrence of TDP-43 Mislocalization with Reduced Activity of an RNA Editing Enzyme, ADAR2, in Aged Mouse Motor Neurons

PLoS One. 2012;7(8):e43469.
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0043469>

Hinna KH, Rich K, Fex-Svenningsen Å, Benedikz E:
The Rat Homolog of the Schizophrenia Susceptibility Gene ZNF804A Is Highly Expressed during Brain Development, Particularly in Growth Cones

PLoS One. 2015 Jul 6;10(7):e0132456. doi: 10.1371/journal.pone.0132456. eCollection 2015.
<http://dx.plos.org/10.1371/journal.pone.0132456>

Hironaka-Mitsunashi A, Matsuzaki J, Takahashi RU, Yoshida M, Nezu Y, Yamamoto Y, Shiino S, Kinoshita T, Ushijima T, Hiraoka N, Shimizu C, Tamura K, Ochiya T:

A tissue microRNA signature that predicts the prognosis of breast cancer in young women
PLoS One. 2017 Nov 15;12(11):e0187638. doi: 10.1371/journal.pone.0187638. eCollection 2017.
<http://dx.plos.org/10.1371/journal.pone.0187638>

Hiyoshi Y, Schetter AJ, Okayama H, Inamura K, Anami K, Nguyen GH, Horikawa I, Hawkes JE, Bowman ED, Leung SY, Harris CC:

Increased MicroRNA-34b and -34c Predominantly Expressed in Stromal Tissues Is Associated with Poor Prognosis in Human Colon Cancer

PLoS One. 2015 Apr 20;10(4):e0124899. doi: 10.1371/journal.pone.0124899. eCollection 2015
<http://dx.plos.org/10.1371/journal.pone.0124899>

Hölscher, D., Schneider, B.

Application of Laser-Assisted Microdissection for Tissue and Cell-Specific Analysis of RNA, Proteins, and Metabolites

U. Lüttge et al. (eds.), Progress in Botany 69. 141, © Springer-Verlag Berlin Heidelberg 2008
<http://www.springerlink.com/content/m15305g9262t5776/>

Hoftman GD, Dienel SJ, Bazmi HH, Zhang Y, Chen KLewis DA:

Altered Gradients of Glutamate and GABA Transcripts in the Cortical Visuospatial Working Memory Network in Schizophrenia

Biological Psychiatry, 06 Dec 2017, <http://dx.doi.org/10.1016/j.biopsych.2017.11.029>
[http://www.biologicalpsychiatryjournal.com/article/S0006-3223\(17\)32250-3/fulltext](http://www.biologicalpsychiatryjournal.com/article/S0006-3223(17)32250-3/fulltext)

Hoffmann H:

Identifying Regulators of Tumor Vascular Morphology

Thesis, 2016

https://opus.bibliothek.uni-wuerzburg.de/opus4-wuerzburg/frontdoor/deliver/index/docId/14234/file/Hoffmann_Helene_Morphology.pdf

Hollender CA, Kang C, Darwish O, Geretz A, Matthews BF, Slovin J, Alkharouf N, Liu Z:

Floral transcriptomes in woodland strawberry uncover developing receptacle and anther gene networks

Plant Physiol. 2014 May 14. pii: pp.114.237529.
<http://www.plantphysiol.org/content/early/2014/05/14/pp.114.237529.full.pdf>

Højgaard K, Szöllősi B, Henningsen K, Minami N, Nakanishi N, Kaadt E, Tamura M, Morris R, Takeuchi T, Elfving B:

Novelty-induced memory consolidation is accompanied by increased Agap3 transcription: a cross-species study

Research Square, 5th July 2023, doi: 10.21203/rs.3.rs-3116799/v1
<https://doi.org/10.21203/rs.3.rs-3116799/v1>

Holmes G, Gonzalez-Reiche AS, Lu N, Zhou X, Rivera J, Kriti D, Sebra R, Williams AA, Donovan MJ, Potter SS, Pinto D, Zhang B, van Bakel H, Jabs EW:

Integrated Transcriptome and Network Analysis Reveals Spatiotemporal Dynamics of Calvarial Suturogenesis

Cell Rep. 2020 Jul 7;32(1):107871. doi: 10.1016/j.celrep.2020.107871.
<https://www.sciencedirect.com/science/article/pii/S221124720308524>

Honzlová P, Novosadová Z, Houdek P, Sládek M, Sumová A:

Misaligned feeding schedule elicits divergent circadian reorganizations in endo- and exocrine pancreas clocks

Cell Mol Life Sci. 2022 May 27;79(6):318. doi: 10.1007/s00018-022-04354-7.
<https://link.springer.com/article/10.1007/s00018-022-04354-7>

Hopfgarten J, Stenwall PA, Wiberg A, Anagandula M, Ingvast S, Rosenling T, Korsgren O, Skog O:

Gene expression analysis of human islets in a subject at onset of type 1 diabetes

Acta Diabetol. 2013 Apr 27.
<http://link.springer.com/article/10.1007/s00592-013-0479-5>

Hosaka S, Yamada T, Takahashi K, Dan T, Kaneko K, Kodama S, Asai Y, Munakata Y, Endo A, Sugawara H, Kawana Y, Yamamoto J, Izumi T, Sawada S, Imai J, Miyata T, and Katagiri H:

Inhibition of Plasminogen Activator Inhibitor-1 Activation Suppresses High Fat Diet-Induced Weight Gain via Alleviation of Hypothalamic Leptin Resistance

Front. Pharmacol., 24 June 2020 | <https://doi.org/10.3389/fphar.2020.00943>
<https://www.frontiersin.org/articles/10.3389/fphar.2020.00943/full>

Hoshino T, Mukai A, Yamashita H, Misawa H, Urushitani M, Tashiro Y, Matsuzawa SI, Takahashi R:

NDRG1 upregulation by ubiquitin proteasome system dysfunction aggravates neurodegeneration

Mol Brain. 2024 Oct 23;17(1):77. doi: 10.1186/s13041-024-01150-1.
<https://doi.org/10.1186/s13041-024-01150-1>

Hsieh JA, Liou PC, Lin CC, Dai X, Hu CW, Wang IF, Dang JF, Ho YC, Cheng KW, Xu W, Kuo SC, Kao CT, Yang DX, Wang R, Xiao K, Lin JS, Hsu CC, Hsu CC, Mai TL, Cheng Y, Tseng MC, Li W, Chen YL, Lin YJ:

Single-cell and spatial multiomics identifies heterogeneous xylem development driven by mechanical stress in Populus

Dev Cell. 2025 Jul 21:S1534-5807(25)00436-8. doi: 10.1016/j.devcel.2025.06.038.
<https://doi.org/10.1016/j.devcel.2025.06.038>

Hsu, K., Huang, S., Chou, C., Shen, M., Cheng, Y., and Chen, Y.Q.:

SCC A2 and SCC A1 expression level in uterine cervical carcinogenesis

Proc Amer Assoc Caner Res 46 (2005)
http://www.aacrmeetingabstracts.org/cgi/content/abstract/2005/1/85?maxtoshow=&HITS=10&hits=10&RE_SULTFORMAT=&andorexacttitle=&andtitleabstract=SCC+A2+and+SCC+A1+expression+level+in+uterine+cervical+carcinogenesis&andorexacttitleabs=&andorexactfulltext=&andsearchid=1&FIRSTINDEX=0&resourcetype=HWCIT

Hu JC, Chan HC, Simmer SG, Seymen F, Richardson AS, Hu Y, Milkovich RN, Estrella NM, Yildirim M, Bayram M, Chen CF, Simmer JP:

Amelogenesis Imperfecta in Two Families with Defined AMELX Deletions in ARHGAP6

PLoS One. 2012;7(12):e52052. doi: 10.1371/journal.pone.0052052.

<http://dx.plos.org/10.1371/journal.pone.0052052>

Huang H, Parlier R, Shen JK, Luttly GA, Vinores SA:

VEGF Receptor Blockade Markedly Reduces Retinal Microglia/Macrophage Infiltration into Laser-Induced CNV

PLoS One. 2013 Aug 20;8(8):e71808. doi: 10.1371/journal.pone.0071808.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0071808>

Huang L, Ye K, McGee MC, Nidetz NF, Elmore JP, Limper CB, Southard TL, Russell DG, August A, Huang W:

Interleukin-2-Inducible T-Cell Kinase Deficiency Impairs Early Pulmonary Protection Against Mycobacterium tuberculosis Infection

Front Immunol. 2020 Jan 24;10:3103. doi: 10.3389/fimmu.2019.03103. eCollection 2019.

<https://doi.org/10.3389/fimmu.2019.03103>

Huang P, He Z, Ji S, Sun H, Xiang D, Liu C, Hu Y, Wang X, Hui L:

Induction of functional hepatocyte-like cells from mouse fibroblasts by defined factors.

Nature [Epub ahead of print] (2011)

<http://www.nature.com/nature/journal/vaop/ncurrent/full/nature10116.html>

Huang P and Wang S:

Establishment of a new method to detect gene expression by laser capture microdissection-assisted single-cell real time RT-PCR without RNA purification

Molecular Biology, July 2013, Volume 47, Issue 4, pp 509-514

<http://link.springer.com/article/10.1134/S0026893313040055>

Huang Y, Ma G, Xie S, Wei R, Liu Y, Zeng Y, Zhao Y, Wang Q, Yang L, Huang H, Hao L, Zhao X, Wang H, Shen W, Wong SSC, Cao JL, Tao YX, Pan ZQ:

SERBP1-PCIF1 complex-controlled m6Am modification in glutamatergic neurons of the primary somatosensory cortex is required for neuropathic pain in mice

Nat Commun. 2025 Aug 5;16(1):7225. doi: 10.1038/s41467-025-62565-5.

<https://doi.org/10.1038/s41467-025-62565-5>

Hunt AL, Bateman NW, Barakat W, Makohon-Moore SC, Abulez T, Driscoll JA, Schaaf JP, Hood BL, Conrads KA, Zhou M, Calvert V, Pierobon M, Loffredo J, Wilson KN, Litzi TJ, Teng PN, Oliver J, Mitchell D, Gist G, Rojas C, Blanton B, Darcy KM, Rao UNM, Petricoin EF, Phippen NT, Maxwell GL, Conrads TP: **Mapping three-dimensional intratumor proteomic heterogeneity in uterine serous carcinoma by multiregion microsampling**

Clin Proteomics. 2024 Jan 22;21(1):4. doi: 10.1186/s12014-024-09451-2.

<https://doi.org/10.1186/s12014-024-09451-2>

Hunt AL, Bateman NW, Barakat W, Makohon-Moore S, Hood BL, Conrads KA, Zhou M, Calvert V, Pierobon M, Loffredo J, Litzi TJ, Oliver J, Mitchell D, Gist G, Rojas C, Blanton B, Robinson EL, Odunsi K, Sood AK, Casablanca Y, Darcy KM, Shriver CD, Petricoin EF, Rao UNM, Maxwell GL, and Conrads T:

Extensive Three-Dimensional Intratumor Proteomic Heterogeneity Revealed by Multiregion Sampling in High-Grade Serous Ovarian Tumor Specimens

ISCIENCE (2021), doi: <https://doi.org/10.1016/j.isci.2021.102757>.

<https://www.sciencedirect.com/science/article/pii/S2589004221007252>

Hurley JH, Kunkler PE, Zhang L, Knopp KL, Oxford GS:

Role of Intraganglionic Transmission in the Trigeminovascular Pathway

Mol Pain. 2019 Feb 20;1744806919836570. doi: 10.1177/1744806919836570.

http://journals.sagepub.com/doi/full/10.1177/1744806919836570?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed

Hussain A, Husna, Ullah I, Naseem M:

Plant-Associated Microbes Alter Root Growth by Modulating Root Apical Meristem

Methods Mol Biol. 2020;2094:49-58. doi: 10.1007/978-1-0716-0183-9_6

https://link.springer.com/protocol/10.1007/978-1-0716-0183-9_6

Hutson TH, Kathe C, Palmisano I, Bartholdi K, Hervera A, De Virgiliis F, McLachlan E, Zhou L, Kong G, Barraud Q, Danzi MC, Medrano-Fernandez A, Lopez-Atalaya J, Boutillier AL, Sinha SH, Singh AK, Chaturbedy P, Moon LDF, Kundu TK, Bixby JL, Lemmon VP, Barco A, Courtine G, and Di Giovanni S:
Environmental enrichment induces axon regeneration and recovery after peripheral and spinal injuries via activity mediated CBP-dependent histone acetylation: a druggable pathway

Researchgate, #332345556

https://www.researchgate.net/profile/Lawrence-Moon/publication/332345556_Cbp-dependent-histone-acetylation-mediates-axon-regeneration-induced-by-environmental-enrichment-in-rodent-spinal-cord-injury-models/links/5cbe2279a6fdcc1d49a86753/Cbp-dependent-histone-acetylation-mediates-axon-regeneration-induced-by-environmental-enrichment-in-rodent-spinal-cord-injury-models.pdf

Huusko N, Pitkänen A:

Parvalbumin Immunoreactivity and Expression of GABA_A Receptor Subunits in the Thalamus after Experimental TBI

Neuroscience, 4 March 2014

<http://dx.doi.org/10.1016/j.neuroscience.2014.02.026>

Hwang JH, Voortman J, Giovannetti E, Steinberg SM, Leon LG, Kim YT, Funel N, Park JK, Kim MA, Kang GH, Kim SW, Del Chiaro M, Peters GJ, Giaccone G:

Identification of MicroRNA-21 as a Biomarker for Chemoresistance and Clinical Outcome Following Adjuvant Therapy in Resectable Pancreatic Cancer

PLoS One. 2010 May 14;5(5):e10630

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0010630>

Iacobellis G, Di Gioia C, Petramala L, Chiappetta C, Serra V, Zinamosca L, Marinelli C, Ciardi A, De Toma G, and Letizia C:

Brown Fat Expresses Adiponectin in Humans

International Journal of Endocrinology, vol. 2013, Article ID 126751, 6 pages, 2013.

<http://www.hindawi.com/journals/ije/2013/126751/cta/>

Iacomino G, Aufiero VR, Iannaccone N, Melina R, Nicola G, De Chiara G, Antonella Venezia, Fabio Silvio Taccone, Gaetano Iaquinto, Giuseppe Mazzarella,

IBD: Role of intestinal compartments in the mucosal immune response,

Iacomino G, Aufiero VR, Marena P, Venezia A, Troncone R, Auricchio S, Mazzarella G:

Laser Capture Microdissection as a Tool to Study the Mucosal Immune Response in Celiac Disease

Methods Mol Biol. 2018;1723:139-154. doi: 10.1007/978-1-4939-7558-7_7

https://link.springer.com/protocol/10.1007/978-1-4939-7558-7_7

Iacomino G, Marano A, Stillitano I, Aufiero VR, Iaquinto G, Schettino M, Masucci A, Troncone R, Auricchio S, Mazzarella G:

Celiac disease: role of intestinal compartments in the mucosal immune response

Mol Cell Biochem. 2015 Nov 5.

<http://dx.doi.org/10.1007/s11010-015-2596-7>

Ichimura H, Kadota S, Kashihara T, Yamada M, Ito K, Kobayashi H, Tanaka Y, Shiba N, Chuma S, Tohyama S, Seto T, Okada K, Kuwahara K, Shiba Y:

Increased predominance of the matured ventricular subtype in embryonic stem cell-derived cardiomyocytes in vivo

Sci Rep. 2020 Jul 17;10(1):11883. doi: 10.1038/s41598-020-68373-9.

<https://www.nature.com/articles/s41598-020-68373-9>

Ieta K, Tanaka F, Yokobori T, Kita Y, Haraguchi N, Mimori K, Kato H, Asao T, Inoue H, Kuwano H, Mori M:

Clinicopathological significance of stanniocalcin 2 gene expression in colorectal cancer

Int J Cancer 125(4):926-31 (2009)

<http://onlinelibrary.wiley.com/doi/10.1002/ijc.24453/full>

Igarashi S, Matsubara T, Harada K, Ikeda H, Sato Y, Sasaki M, Matsui O, Nakanuma Y:

Bile duct expression of pancreatic and duodenal homeobox 1 in perihilar cholangiocarcinogenesis

Histopathology. 2012 May 17. doi: 10.1111/j.1365-2559.2012.04218.x.

<http://dx.doi.org/10.1111/j.1365-2559.2012.04218.x>

Ikeda A, Kai H, Kajimoto H, Yasuoka S, Kage K, and Imaizumi T:

Selective Gene Expression Analysis of Muscular and Vascular Components in Hearts Using Laser Microdissection Method

International Journal of Vascular Medicine, Volume 2012 (2012), Article ID 863410, 5 pages,

doi:10.1155/2012/863410

<http://www.hindawi.com/journals/ijvm/2012/863410/>

Ikeda J, Ichiki T, Matsuura H, Inoue E, Kishimoto J, Watanabe A, Sankoda C, Kitamoto S, Tokunou T, Takeda K, Fong GH, Sunagawa K:

Deletion of phd2 in myeloid lineage attenuates hypertensive cardiovascular remodeling

J Am Heart Assoc. 2013 Jun 18;2(3):e000178. doi: 10.1161/JAHA.113.000178.

<http://jaha.ahajournals.org/cgi/pmidlookup?view=long&pmid=23778187>

Ince LM, Zhang Z, Beesley S, Vonslow RM, Saer BR, Matthews LC, Begley N, Gibbs JE, Ray DW, Loudon ASL:

Circadian variation in pulmonary inflammatory responses is independent of rhythmic glucocorticoid signaling in airway epithelial cells

FASEB J. 2018 Jul 2:fj201800026RR. doi: 10.1096/fj.201800026RR.

http://www.fasebj.org/doi/abs/10.1096/fj.201800026RR?url_ver=Z39.88-2003&rft_id=ori:rid:crossref.org&rft_dat=cr_pub%3dpubmed

Ishak CA, Marhon SA, Tchakian N, Hodgson A, Loo Yau H, Gonzaga IM, Peralta M, Lungu IM, Gomez S, Liang SB, Shen SY, Chen R, Chen J, Chatterjee B, Wanniarachchi KN, Lee J, Zehrbach N, Hosseini A, Mehdipour P, Sun S, Solovyov A, Ettayebi I, Francis KE, He A, Wu T, Feng S, da Silva Medina T, Campos de Almeida F, Bayani J, Li J, MacDonald S, Wang Y, Garcia SS, Arthofer E, Diab N, Srivastava A, Austin PT, Sabatini PJB, Greenbaum BD, O'Brien CA, Shepherd TG, Tsao MS, Chiappinelli KB, Oza AM, Clarke BA, Rottapel R, Lheureux S, De Carvalho DD:

Chronic viral mimicry induction following p53 loss promotes immune evasion

Cancer Discov. 2025 Jan 7. doi: 10.1158/2159-8290.CD-24-0094.

<https://doi.org/10.1158/2159-8290.cd-24-0094>

Ishii K, Kubo K, Endo T, Yoshida K, Benner S, Ito Y, Aizawa H, Aramaki M, Yamanaka A, Tanaka K, Takata N, Tanaka KF, Mimura M, Tohyama C, Kakeyama M, Nakajima K:

Neuronal Heterotopias Affect the Activities of Distant Brain Areas and Lead to Behavioral Deficits

J Neurosci. 2015 Sep 9;35(36):12432-45. doi: 10.1523/JNEUROSCI.3648-14.2015.

<http://www.jneurosci.org/cgi/pmidlookup?view=long&pmid=26354912>

Ishimura T, Ida M, Hirose S, Shimamura S, Masumura T, Nishizawa NK, Nakazono M, Kondo M:
Laser microdissection-based gene expression analysis in the aleurone layer and starchy endosperm of developing rice caryopses in the early storage phase
Rice, July 2015, 8:22,
<http://link.springer.com/article/10.1186%2Fs12284-015-0057-2#>

Ishimaru T, Parween S, Saito Y, Masamura T, Kondo M, Sreenivasulu N:
Laser Microdissection Transcriptome Data Derived Gene Regulatory Networks of Developing Rice Endosperm Revealed Tissue- and Stage-specific Regulators Modulating Starch Metabolism
Research Square, 23 Aug 2021, DOI: 10.21203/rs.3.rs-814515/v1
<https://www.researchsquare.com/article/rs-814515/v1>

Ishimaru T, Parween S, Saito Y, Shigemitsu T, Yamakawa H, Nakazono M, Masumura T, Nishizawa NK, Kondo M, Sreenivasulu N:
Laser microdissection-based tissue specific transcriptome analyses reveals novel regulatory network of genes involved in heat-induced grain chalk in rice endosperm
Plant Cell Physiol. 2018 Dec 4. doi: 10.1093/pcp/pcy233.
<https://academic.oup.com/pcp/article-lookup/doi/10.1093/pcp/pcy233>

Itakura M, Terashima Y, Shingyoji M, Yokoi S, Ohira M, Kageyama H, Matui Y, Yoshida Y, Ashinuma H, Moriya Y, Tamura H, Harigaya K, Matushima K, Iizasa T, Nakagawara A, Kimura H:
High CC chemokine receptor 7 expression improves postoperative prognosis of lung adenocarcinoma patients
Br J Cancer. 2013 Aug 6. doi: 10.1038/bjc.2013.440.
<http://www.nature.com/bjc/journal/vaop/ncurrent/full/bjc2013440a.html>

Ito N, Takatsu A, Ito H, Koike Y, Yoshioka K, Kamei Y, Imai SI:
Slc12a8 in the lateral hypothalamus maintains energy metabolism and skeletal muscle functions during aging
Cell Rep. 2022 Jul 26;40(4):111131. doi: 10.1016/j.celrep.2022.111131.
<https://doi.org/10.1016/j.celrep.2022.111131>

Ito Y, Sonobe H:
The role of ecdysteroid 22-kinase in the accumulation of ecdysteroids in ovary of silkworm Bombyx mori
Ann N Y Acad Sci 1163:421-4 (2009)
<http://onlinelibrary.wiley.com/doi/10.1111/j.1749-6632.2009.04465.x/full>

Iwata H, Goettsch C, Sharma A, Ricchiuto P, Goh WW, Halu A, Yamada I, Yoshida H, Hara T, Wei M, Inoue N, Fukuda D, Mojcher A, Mattson PC, Barabási AL, Boothby M, Aikawa E, Singh SA, Aikawa M:
PARP9 and PARP14 cross-regulate macrophage activation via STAT1 ADP-ribosylation
Nat Commun. 2016 Oct 31;7:12849. doi: 10.1038/ncomms12849.
<http://dx.doi.org/10.1038/ncomms12849>

Iwaisako K, Jiang C, Zhang M, Cong M, Moore-Morris TJ, Park TJ, Liu X, Xu J, Wang P, Paik YH, Meng F, Asagiri M, Murray LA, Hofmann AF, Iida T, Glass CK, Brenner DA, Kisseleva T:
Origin of myofibroblasts in the fibrotic liver in mice
Proc Natl Acad Sci U S A. 2014 Aug 12;111(32):E3297-305. doi: 10.1073/pnas.1400062111.
<http://www.pnas.org/cgi/lookup?view=long&pmid=25074909>

Iwatsuki M, Mimori K, Yokobori T, Tanaka F, Tahara K, Inoue H, Baba H, Mori M:
A platinum agent resistance gene, POLB, is a prognostic indicator in colorectal cancer
J Surg Oncol. 2009 Sep 1;100(3):261-6.
<http://onlinelibrary.wiley.com/doi/10.1002/jso.21275/abstract>

Iyer A, Hennessey D, O'Keefe S, Patterson J, Wang W, Salopek T, Wong GK, Gniadecki R:
Clonotypic heterogeneity in cutaneous T-cell lymphoma (mycosis fungoides) revealed by comprehensive whole-exome sequencing
Blood Adv. 2019 Apr 9;3(7):1175-1184. doi: 10.1182/bloodadvances.2018027482.
<http://www.bloodadvances.org/cgi/pmidlookup?view=long&pmid=30967393>

Jacques J, Hotton D, Asselin A, De la Dure-Molla M, Coudert AE, Isaac J, Berdal A:
Ameloblastin as a putative marker of specific bone compartments
Connect Tissue Res. 2014 Aug;55 Suppl 1:117-20. doi: 10.3109/03008207.2014.923849.
<http://informahealthcare.com/doi/abs/10.3109/03008207.2014.923849>

Jain V, Baraniya D, Chen T, Slifker M, Alakwaa F, Cai KQ, Chitralla KN, Fundakowski C, Al-Hebshi N:
Integrative metatranscriptomic analysis reveals disease-specific microbiome-host interactions in oral squamous cell carcinoma
Research Square, 2022, 24 May 2022, DOI: <https://doi.org/10.21203/rs.3.rs-1689707/v1>
<https://doi.org/10.21203/rs.3.rs-1689707/v1>

Jana S, Dines M, Lalar M, Lamprecht R:
Fear Conditioning Leads to Enduring Alterations in RNA Transcripts in Hippocampal Neuropil that are Dependent on EphB2 Forward Signaling
Mol Neurobiol. 2023 Jan 13. doi: 10.1007/s12035-022-03191-w.
<https://doi.org/10.1007/s12035-022-03191-w>

Jarick KJ (Ottmüller):
Migration of allogenic T cells in intestinal lymphoid structures during acute Graft-versus-Host Disease
Thesis, 2019
https://opus.bibliothek.uni-wuerzburg.de/opus4-wuerzburg/frontdoor/deliver/index/docId/17875/file/Jarick_Katja_Migration300dpi.pdf

Jarzabek MA, Proctor WR, Vogt J, Desai R, Dicker P, Cain G, Raja R, Brodbeck J, Stevens D, van der Stok EP, Martens JWM, Verhoef C, Hegde PS, Byrne AT, Tarrant JM:
Interrogation of transcriptomic changes associated with drug-induced hepatic sinusoidal dilatation in colorectal cancer
PLoS One. 2018 Jun 7;13(6):e0198099. doi: 10.1371/journal.pone.0198099.
<http://dx.plos.org/10.1371/journal.pone.0198099>

Jenkins AK, Shelton MA, Yin R, Gorczyca MT, Zong W, Glausier JR, Lewis DA, Tseng GC, Seney ML, McClung CA :
Disentangling transcriptomic heterogeneity within the human subgenual anterior cingulate cortex
Cereb Cortex. 2024 Jul 3;34(7):bhae291
<https://doi.org/10.1093/cercor/bhae291>

Jhu M-Y, Ichihashi Y, Farhi M, Wong C, Sinha NR :
CcLBD25 functions as a key regulator of haustorium development in Cuscuta campestris
bioRxiv, Jan 2021, doi: <https://doi.org/10.1101/2021.01.04.425251>
<https://www.biorxiv.org/content/10.1101/2021.01.04.425251v1>

Jhu M-Y, Ichihashi Y, Farhi M, Wong C, Sinha NR :
LATERAL ORGAN BOUNDARIES DOMAIN 25 functions as a key regulator of haustorium development in dodders
Plant Physiology, 2021 May 27, kiab231, <https://doi.org/10.1093/plphys/kiab231>
<https://academic.oup.com/plphys/advance-article/doi/10.1093/plphys/kiab231/6287075>

Ji B:

Molecular determinants of excitability of hindlimb motoneurons after complete spinal cord transection and BDNF overexpression

thesis, 2022

<https://rcin.org.pl/Content/236218/PhD%20dissertation%20-%20Benjun%20Ji%20-%202022.06.22%20-%20Final%20-%20print.pdf>

Jia HH, Xu YT, Yin ZP, Wu XM, Qing M, Fan YJ, Song X, Xie KD, Xie ZZ, Xu Q, Deng XX, Guo WW:
Transcriptomes and DNA methylomes in apomictic cells delineate nucellar embryogenesis initiation in citrus

DNA Res. 2021 Aug 23;dsab014. doi: 10.1093/dnares/dsab014.

<https://academic.oup.com/dnaaresearch/advance-article-pdf/doi/10.1093/dnares/dsab014/39846198/dsab014.pdf>

Jiang HH, Gill BC, Dissaranan C, Zutshi M, Balog BM, Lin D, Damaser MS:

Effects of acute selective pudendal nerve electrical stimulation after simulated childbirth injury

Am J Physiol Renal Physiol. 2012 Nov 14.

<http://ajprenal.physiology.org/cgi/pmidlookup?view=reprint&pmid=23152293>

Jiang N, Feng MQ, Cheng LC, Kuang LH, Li CC, Ying ZP, Wang R, Xie KD, Guo WW, Wu XM:

Spatiotemporal profiles of gene activity in stamen delineate nucleocytoplasmic interaction in a male sterile somatic cybrid citrus

Horticulture Research, uhad105, <https://doi.org/10.1093/hr/uhad105>

<https://doi.org/10.1093/hr/uhad105>

Jonchère V, Montémont H, Le Scanf E, Siret A, Letourneur Q, Tubacher E, Battail C, Fall A, Labreche K, Renault V, Ratovomanana T, Buhard O, Jolly A, Le Rouzic P, Feys C, Despras E, Zouali H, Nicolle R, Cervera P, Svrcek M, Bourgoïn P, Blanché H, Boland A, Lefèvre J, Parc Y, Touat M, Bielle F, Arzur D, Cuff G, Le Jossic-Corcós C, Quéré G, Dujardin G, Blondel M, Le Maréchal C, Cohen R, André T, Coulet F, de la Grange P, de Reyniès A, Fléjou JF, Renaud F, Alentorn A, Corcos L, Deleuze JF, Collura A, Duval A:

Microsatellite instability at U2AF-binding polypyrimidic tract sites perturbs alternative splicing during colorectal cancer initiation

Genome Biol. 2024 Aug 6;25(1):210. doi: 10.1186/s13059-024-03340-5.

<https://doi.org/10.1186/s13059-024-03340-5>

Johnson BL, d'Alincourt Salazar M, Mackenzie-Dyck S, D'Apuzzo M, Shih HP, Manuel ER, Diamond DJ:
Desmoplasia and oncogene driven acinar-to-ductal metaplasia are concurrent events during acinar cell-derived pancreatic cancer initiation in young adult mice

PLoS One. 2019 Sep 6;14(9):e0221810. doi: 10.1371/journal.pone.0221810. eCollection 2019.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0221810>

Jones MB, Oswald DM, Joshi S, Whiteheart SW, Orlando R, Cobb BA:

B-cell-independent sialylation of IgG

Proc Natl Acad Sci U S A. 2016 Jun 14. pii: 201523968.

<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=27303031>

Joseph NF, Zucca A, Wingfield JL, Espadas I, Page D, Puthanveetil SV:

Molecular motor KIF3B in the prelimbic cortex constrains the consolidation of contextual fear memory

Mol Brain. 2021 Nov 8;14(1):162. doi: 10.1186/s13041-021-00873-9.

<https://molecularbrain.biomedcentral.com/articles/10.1186/s13041-021-00873-9>

Joyal JS, Sun Y, Gantner ML, Shao Z, Evans LP, Saba N, Fredrick T, Burnim S, Kim JS, Patel G, Juan AM, Hurst CG, Hatton CJ, Cui Z, Pierce KA, Bherer P, Aguilar E, Powner MB, Vevis K, Boisvert M, Fu Z,

Levy E, Fruttiger M, Packard A, Rezende FA, Maranda B, Sapieha P, Chen J, Friedlander M, Clish CB, Smith LE:

Retinal lipid and glucose metabolism dictates angiogenesis through the lipid sensor Ffar1

Nat Med. 2016 Apr;22(4):439-445. doi: 10.1038/nm.4059.

<http://dx.doi.org/10.1038/nm.4059>

Li C, Zheng Z, Ha P, Jiang W, Berthiaume EA, Lee S, Mills Z, Pan H, Chen EC, Jiang J, Cuiat CT, Zhang X, Ting K, Soo C:

Neural EGFL like 1 as a potential pro-chondrogenic, anti-inflammatory dual-functional disease-modifying osteoarthritis drug

Biomaterials, Volume 226, January 2020, 119541

<https://www.sciencedirect.com/science/article/pii/S0142961219306404?via%3Dihub>

Ka, S.M., Rifai, A., Chen, J.H., Cheng, C.W., Shui, H.A., Lee, H.S., Lin, Y.F., Hsu, L.F., and Chen, A.:

Glomerular crescent-related biomarkers in a murine model of chronic graft versus host disease

Nephrol Dial Transplant 21(2): 288-298 (2006)

<http://ndt.oxfordjournals.org/content/21/2/288.long>

Kadota T, Yoshioka Y, Fujita Y, Araya J, Minagawa S, Hara H, Miyamoto A, Suzuki S, Fujimori S, Kohno T, Fujii T, Kishi K, Kuwano K, Ochiya T:

Extracellular Vesicles from Fibroblasts Induce Epithelial Cell Senescence in Pulmonary Fibrosis

Am J Respir Cell Mol Biol. 2020 Jul 30. doi: 10.1165/rcmb.2020-0002OC.

<https://www.atsjournals.org/doi/abs/10.1165/rcmb.2020-0002OC>

Kadonaga T, Sakabe T, Kidokoro Y, Haruki T, Nosaka K, Nakamura H, Umekita Y:

Gene expression profiling using targeted RNA-sequencing to elucidate the progression from histologically normal lung tissues to non-invasive lesions in invasive lung adenocarcinoma

Virchows Arch. 2022 Jan 24. doi: 10.1007/s00428-021-03250-y.

<https://link.springer.com/article/10.1007/s00428-021-03250-y>

Kahn BM, Lucas A, Alur R, Wengyn MD, Schwartz GW, Li J, Sun K, Maurer HC, Olive KP, Faryabi RB, Stanger B:

The vascular landscape of human cancer

J Clin Invest. 2020 Dec 1:136655. doi: 10.1172/JCI136655.

<https://www.jci.org/articles/view/136655>

Kallenborn-Gerhardt W, Lu R, Lorenz J, Gao W, Weiland J, Del Turco D, Deller T, Laube B, Betz H, Geisslinger G, Schmidtko A:

Prolonged zymosan-induced inflammatory pain hypersensitivity in mice lacking glycine receptor alpha2

Behav Brain Res. 2012 Jan 1;226(1):106-11.

[http://linkinghub.elsevier.com/retrieve/pii/S0166-4328\(11\)00658-9](http://linkinghub.elsevier.com/retrieve/pii/S0166-4328(11)00658-9)

Kalloger SE, Karasinska JM, Keung MS, Thompson DL, Ho J, Chow C, Gao D, Topham JT, Warren C, Wong HL, Lee MK, Renouf DJ, Schaeffer DF:

Stroma versus epithelium- enhanced prognostics through histologic stratification in pancreatic ductal adenocarcinoma

Int J Cancer. 2020 Sep 21. doi: 10.1002/ijc.33304.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/ijc.33304>

Kamei N, Higo S, Mizuno T, Mori K, Sakamoto A, Ozawa H:

Identification of Brain Regions Activated by Sevoflurane and Propofol and Regional Changes in Gene Expression

Acta Histochemica et Cytochemica, Volume 55 (2022), Issue 1

https://www.jstage.jst.go.jp/article/ahc/55/1/55_21-00091/_article

Kanaya M, Higo S, Ozawa H:

Neurochemical Characterization of Neurons Expressing Estrogen Receptor β in the Hypothalamic Nuclei of Rats Using in Situ Hybridization and Immunofluorescence

Int J Mol Sci. 2019 Dec 23;21(1). pii: E115. doi: 10.3390/ijms21010115.

<http://www.mdpi.com/resolver?pii=ijms21010115>

Kanaya M, Tsuda MC, Sagoshi S, Nagata K, Morimoto C, Tha Thu CK, Toda K, Kato S, Ogawa S, Tsukahara S:

Regional difference in sex steroid action on formation of morphological sex differences in the anteroventral periventricular nucleus and principal nucleus of the bed nucleus of the stria terminalis

PLoS One. 2014 Nov 14;9(11):e112616. doi: 10.1371/journal.pone.0112616. eCollection 2014.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0112616>

Kaneko T, Cordeiro MMR, Okiji T, Kaneko R, Suda H and Nör JE:

Laser capture microdissection from formaldehyde-fixated and demineralized paraffin embedded tissues

Microscopy: Science, Technology, Applications and Education (2010)

www.formatex.info/microscopy4/2111-2116.pdf

Kaneko T, Myo Zaw SY, Sueyama Y, Katsube KI, Kaneko R, Nör JE, Okiji T:

Inhibition of Nuclear Factor Kappa B Prevents the Development of Experimental Periapical Lesions

J Endod. 2019 Feb;45(2):168-173. doi: 10.1016/j.joen.2018.10.006.

<https://www.sciencedirect.com/science/article/pii/S0099239918306897#!>

Kaneko T, Okiji T, Kaneko R, Suda H, Nör JE:

Gene expression analysis of immunostained endothelial cells isolated from formaldehyde-fixated paraffin embedded tumors using laser capture microdissection--a technical report

Microsc Res Tech. 2009 Dec;72(12):908-12.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2784235/?tool=pubmed>

Kaneko, T., Okiji, T. & Nör, J.E.:

Laser capture microdissection in oral cancer research: a review

The Research and Biology of Cancer II. ISBN: . iConcept Press. (2013)

<http://iconceptpress.com/download/paper/12050811061845.pdf>

Kassis H, Shehadah A, Li C, Zhang Y, Cui Y, Roberts C, Sadry N, Liu X, Chopp M, Zhang ZG :

Class IIa histone deacetylases affect neuronal remodeling and functional outcome after stroke

Neurochem Int. 2016 Apr 18. pii: S0197-0186(16)30056-0. doi: 10.1016/j.neuint.2016.04.006.

[http://linkinghub.elsevier.com/retrieve/pii/S0197-0186\(16\)30056-0](http://linkinghub.elsevier.com/retrieve/pii/S0197-0186(16)30056-0)

Katafuchi E, Hisano S, Kurata S, Muta K, Uesugi N, Miyamoto T, Harada Y, Shimajiri S, Katafuchi R, Nakayama T:

Aberrant localization of $\beta 1$ integrin in podocyte cytoplasm of primary FSGS with cellular lesion

Virchows Arch. 2024 Sep 13. doi: 10.1007/s00428-024-03919-0.

<https://doi.org/10.1007/s00428-024-03919-0>

Katakowski M, Charteris N, Chopp M, Khain E:

Density-Dependent Regulation of Glioma Cell Proliferation and Invasion Mediated by miR-9

Cancer Microenviron. 2016 Dec 14.

<https://dx.doi.org/10.1007/s12307-016-0190-5>

Kataoka K, Matsumoto H, Kaneko H, Notomi S, Takeuchi K, Sweigard JH, Atik A, Murakami Y, Connor KM, Terasaki H, Miller JW, Vavvas DG:

Macrophage- and RIP3-dependent inflammasome activation exacerbates retinal detachment-induced photoreceptor cell death

Cell Death Dis. 2015 Apr 23;6:e1731. doi: 10.1038/cddis.2015.73.

<http://dx.doi.org/10.1038/cddis.2015.73>

Katayama Y, Iwasaki T, Yamamoto T, Shimada N, Nakashima M, Toya M, Narutomi F, Tomonaga T, Kato K, Oda Y:

Loss of SMARCA4 induces sarcomatogenesis through epithelial-mesenchymal transition in ovarian carcinosarcoma

Cancer Sci. 2024 Dec 23. doi: 10.1111/cas.16423.

<https://doi.org/10.1111/cas.16423>

Katz IK, Lamprecht R:

Fear conditioning leads to alteration in specific genes' expression in cortical and thalamic neurons that project to the lateral amygdala

J Neurochem. 2014 Oct 28. doi: 10.1111/jnc.12983.

<http://dx.doi.org/10.1111/jnc.12983>

Kawai H, Osawa Y, Tsunoda T, Matsuda M, Okawara M, Sakamoto Y, Shimagaki T, Tsutsui Y, Yoshida Y, Yoshikawa S, Doi H, Mori T, Yamazoe T, Yoshio S, Okamura T, Sugiyama M, Okuzaki D, Komatsu H, Inui A, Yanaga K, Ikegami T, Kanto T:

Peripheral-dominant liver fibrosis and tumor distribution in a mouse model of congestive hepatopathy

Hepatol Res. 2022 Dec 3. doi: 10.1111/hepr.13866.

<https://doi.org/10.1111/hepr.13866>

Kawanishi K:

Exploring comprehensive glycan profiles of acquired cystic kidney disease associated renal cell carcinoma to establish a new diagnostic biomarker

Impact, Volume 2021, Number 6, July 2021, pp. 40-42(3)

<https://doi.org/10.21820/23987073.2021.6.40>

Kawasaki M, Kawasaki K, Sari FT, Kudo T, Nihara J, Kitamura M, Nagai T, Utama V, Ishida Y, Meguro F, Kesuma A, Fujita A, Nishimura T, Kogure Y, Maruyama S, Tanuma JI, Kakihara Y, Maeda T, Ghafoor S, Khonsari RH, Corre P, Sharpe PT, Cobourne M, Franco B, Ohazama A:

Cell-cell interaction determines cell fate of mesoderm-derived cell in tongue development through Hh signaling

Elife. 2024 Oct 11;13:e85042. doi: 10.7554/eLife.85042.

<https://doi.org/10.7554/elife.85042>

Kawasaki, S., Tanioka, H., Yamasaki, K., Yokoi, N., Komuro, A., and Kinoshita, S.:

Clusters of corneal epithelial cells reside ectopically in human conjunctival epithelium

Invest Ophthalmol Vis Sci 47(4): 1359-1367 (2006)

<http://www.iovs.org/content/47/4/1359.long>

Kazanc E:

MSI-based mapping strategies in tumour-heterogeneity

Thesis, Sep 2022

<https://doi.org/10.25560/100162>

Ke Y, Podio M, Conner J, Ozias-Akins P:

Single-cell transcriptome profiling of buffelgrass (*Cenchrus ciliaris*) eggs unveils apomictic parthenogenesis signatures

Sci Rep. 2021 May 10;11(1):9880. doi: 10.1038/s41598-021-89170-y.

<https://www.nature.com/articles/s41598-021-89170-y>

Kelaï S, Ramoz N, Moalic JM, Noble F, Mechawar N, Imbeaud S, Turecki G, Simonneau M, Gorwood P, Maussion G :

Netrin G1: its downregulation in the nucleus accumbens of cocaine-conditioned mice and genetic association in human cocaine dependence

Addict Biol. 2017 Jan 11. doi: 10.1111/adb.12485.

<http://dx.doi.org/10.1111/adb.12485>

Kennedy LL, Meng F, Venter JK, Zhou T, Karstens WA, Hargrove LA, Wu N, Kyritsi K, Greene J, Invernizzi P, Bernuzzi F, Glaser SS, Francis HL, Alpini G :

Knockout of microRNA-21 reduces biliary hyperplasia and liver fibrosis in cholestatic bile duct ligated mice

Lab Invest. 2016 Oct 24. doi: 10.1038/labinvest.2016.112.

<http://dx.doi.org/10.1038/labinvest.2016.112>

Kenngott RA, Vermehren M, Sauer U, Ebach K, Sinowatz F:

Cellular expression and localization of estrogen receptor α and progesterone receptor mRNA in the bovine oviduct combining laser-assisted microdissection, quantitative PCR, and in situ hybridization

J Histochem Cytochem. 2011 Mar;59(3):312-27.

<http://jhc.sagepub.com/content/59/3/312.abstract>

Kenwood MM, Souaiaia T, Kovner R, Fox AS, French DA, Oler JA, Roseboom PH, Riedel MK, Mueller SAL, Kalin NH:

Gene expression in the primate orbitofrontal cortex related to anxious temperament

Proc Natl Acad Sci U S A. 2023 Dec 5;120(49):e2305775120. doi: 10.1073/pnas.2305775120.

<https://doi.org/10.1073/pnas.2305775120>

Khodosevich K, Alfonso J, Monyer H:

Dynamic changes in the transcriptional profile of subventricular zone-derived postnatally born neuroblasts

Mech Dev. 2012 Dec 4. pii: S0925-4773(12)00114-1. doi: 10.1016/j.mod.2012.11.003.

<http://www.sciencedirect.com/science/article/pii/S0925477312001141>

Khodosevich, K., Inta, D., Seeburg, P.H., and Monyer, H.:

Gene expression analysis of in vivo fluorescent cells

PLoS ONE 2(11): e1151 (2007)

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0001151>

Kieffer, N., Schmitz, M., Plancon, S., Margue, C., Huselstein, F., Grignard, G., Dippel, W., Nathan, M., Giacchi, S., and Scheiden, R.:

ILK as a potential marker gene to ascertain specific adenocarcinoma cell mRNA isolation from frozen prostate biopsy tissue sections

Int J Oncol 26(6): 1549-1558 (2005)

<http://www.spandidos-publications.com/ijo/26/6/1549>

Killian ML, Thomopoulos S:

Scleraxis is required for the development of a functional tendon enthesis

FASEB J. 2015 Oct 6. pii: fj.14-258236.

<http://www.fasebj.org/cgi/pmidlookup?view=long&pmid=26443819>

Kim JB, Pjanic M, Nguyen T, Miller CL, Iyer D, Liu B, Wang T, Sazonova O, Carcamo-Orive I, Matic LP, Maegdefessel L, Hedin U, Quertermous T:

TCF21 and the environmental sensor aryl-hydrocarbon receptor cooperate to activate a pro-inflammatory gene expression program in coronary artery smooth muscle cells

PLoS Genet. 2017 May 8;13(5):e1006750. doi: 10.1371/journal.pgen.1006750.
<http://journals.plos.org/plosgenetics/article?id=10.1371/journal.pgen.1006750>

Kim W, Lee Y, McKenna ND, Yi M, Simunovic F, Wang Y, Kong B, Rooney RJ, Seo H, Stephens R, Sonntag KC:

miR-126 contributes to Parkinson disease by dysregulating IGF-1/PI3K signaling

Neurobiology of Aging, 0197-4580

<http://www.neurobiologyofaging.org/article/S0197-4580%2814%2900038-4/abstract>

Kim Y, Jang H, Seo K, Kim JH, Cho HM, Kim HJ, Yang E, Kim H, Gim J-A, Park Y, Ryu JR, Sun W:
Cell position within human pluripotent stem cell colonies determines apical specialization via an actin cytoskeleton-based mechanism

Stem Cell Reports. 2021 Nov 27;S2213-6711(21)00586-5. doi: 10.1016/j.stemcr.2021.11.005.

<https://www.sciencedirect.com/science/article/pii/S2213671121005865>

Kimura W, Xiao F, Canseco DC, Muralidhar S, Thet S, Zhang HM, Abdulrahman Y, Chen R, Garcia JA, Shelton JM, Richardson JA, Ashour AM, Asaithamby A, Liang H, Xing C, Lu Z, Zhang CC, Sadek HA:

Hypoxia fate mapping identifies cycling cardiomyocytes in the adult heart

Nature. 2015 Jun 22. doi: 10.1038/nature14582.

<http://dx.doi.org/10.1038/nature14582>

Kimura Y, Fukuda A, Ogawa S, Maruno T, Takada Y, Tsuda M, Hiramatsu Y, Araki O, Nagao M, Yoshikawa T, Ikuta K, Yoshioka T, Wang Z, Akiyama H, Wright CV, Takaori K, Uemoto S, Chiba T, Seno H :

ARID1A Maintains Differentiation of Pancreatic Ductal Cells and Inhibits Development of Pancreatic Ductal Adenocarcinoma in Mice

Gastroenterology. 2018 Mar 28. pii: S0016-5085(18)30346-9. doi: 10.1053/j.gastro.2018.03.039.

[https://linkinghub.elsevier.com/retrieve/pii/S0016-5085\(18\)30346-9](https://linkinghub.elsevier.com/retrieve/pii/S0016-5085(18)30346-9)

Kimura Y, Kubo S, Koda H, Shigemoto K, Sawabe M, Kitamura K:

RNA analysis of inner ear cells from formalin fixed paraffin embedded (FFPE) archival human temporal bone section using laser microdissection. -A technical report

Hear Res. 2013 May 6. pii: S0378-5955(13)00101-9. doi: 10.1016/j.heares.2013.04.008.

<http://www.sciencedirect.com/science/article/pii/S0378595513001019>

Kinumatsu T, Hashimoto S, Muramatsu T, Sasaki H, Jung HS, Yamada S, Shimono M:

Involvement of laminin and integrins in adhesion and migration of junctional epithelium cells

J Periodontol Res 44(1):13-20 (2009)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1600-0765.2007.01036.x/full>

Kim C, Smith KE, Castillejos A, Diaz-Aguilar D, Saint-Geniez M, Connor KM:

The alternative complement pathway aids in vascular regression during the early stages of a murine model of proliferative retinopathy

FASEB J. 2015 Nov 30. pii: fj.15-280834.

<http://www.fasebj.org/cgi/pmidlookup?view=long&pmid=26631482>

Kim, J.S., Romero, R., Tarca, A.L., LaJeunesse, C., Han, Y.M., Kim, M.J., Suh, Y.L., Draghici, S., Mittal, P., Gotsch, F., Kusanovic, J.P., Hassan, S., and Kim, C.J.:

Gene expression profiling demonstrates a novel role for foetal fibrocytes and the umbilical vessels in human fetoplacental development

J Cell Mol Med 12(4): 1317-1330 (2008)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1582-4934.2008.00284.x/full>

Kinguchi S, Wakui H, Azushima K, Haruhara K, Koguchi T, Ohki K, Uneda K, Matsuda M, Haku S, Yamaji T, Yamada T, Kobayashi R, Minegishi S, Ishigami T, Yamashita A, Fujikawa T, Tamura K:

Effects of ATRAP in Renal Proximal Tubules on Angiotensin-Dependent Hypertension

J Am Heart Assoc. 2019 Apr 16;8(8):e012395. doi: 10.1161/JAHA.119.012395

<https://www.ahajournals.org/doi/pdf/10.1161/JAHA.119.012395>

Kiontke K, Herrera RA, Mason DA, Woronik A, Vernoooy S, Patel Y, Fitch DHA:

Tissue-specific RNA-seq defines genes governing male tail tip morphogenesis in *C. elegans*

bioRxiv, 2023 Jan 12, doi: <https://doi.org/10.1101/2024.01.12.575210>

<https://doi.org/10.1101/2024.01.12.575210>

Kishi N, Ito M, Miyata Y, Kanai A, Handa Y, Tsutani Y, Kushitani K, Takeshima Y, Okada M:

Intense Expression of EGFR L858R Characterizes the Micropapillary Component and L858R Is Associated with the Risk of Recurrence in pN0M0 Lung Adenocarcinoma with the Micropapillary Component

Ann Surg Oncol. 2019 Nov 15. doi: 10.1245/s10434-019-07854-2.

<https://link.springer.com/article/10.1245/s10434-019-07854-2>

Kivivirta K, Herbert D, Lange M, Beuerlein K, Altmüller J, Becker A:

A protocol for laser microdissection (LMD) followed by transcriptome analysis of plant reproductive tissue in phylogenetically distant angiosperms

Plant Methods. 2019 Dec 16;15:151. doi: 10.1186/s13007-019-0536-3. eCollection 2019.

<https://plantmethods.biomedcentral.com/articles/10.1186/s13007-019-0536-3>

Kiyoi T, Liu S, Takemasa E, Nakaoka H, Hato N, Mogi M:

Constitutive hydrogen inhalation prevents vascular remodeling via reduction of oxidative stress

PLoS One. 2020 Apr 17;15(4):e0227582. doi: 10.1371/journal.pone.0227582. eCollection 2020.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0227582>

Klumpp S, Hwa T.

Growth-rate-dependent partitioning of RNA polymerases in bacteria.

Proc Natl Acad Sci U S A. 2008 Dec 23;105(51):20245-50. Epub 2008 Dec 10.

<http://www.pnas.org/content/105/51/20245.long>

Knudsen ES, Ertel A, Davicioni E, Kline J, Schwartz GF, Witkiewicz AK:

Progression of ductal carcinoma in situ to invasive breast cancer is associated with gene expression programs of EMT and myoepithelia

Breast Cancer Res Treat. 2011 Dec 2. [Epub ahead of print]

<http://www.springerlink.com/content/f8l50452382np711/>

Kobayashi, K., Nishioka, M., Kohno, T., Nakamoto, M., Maeshima, A., Aoyagi, K., Sasaki, H., Takenoshita, S., Sugimura, H., and Yokota, J.:

Identification of genes whose expression is upregulated in lung adenocarcinoma cells in comparison with type II alveolar cells and bronchiolar epithelial cells in vivo

Oncogene 23(17): 3089-3096 (2004)

<http://www.nature.com/onc/journal/v23/n17/full/1207433a.html>

Kobayashi, K., Utsumi, H., Okada, M., Sakairi, T., Ikeda, I., Kusakabe, M., and Takagi, S.:

One-step RT-PCR without initial RNA isolation sStep for laser-microdissected tissue sample

J Vet Med Sci 65(8): 917-919 (2003)

<http://www.mendeley.com/research/onestep-rtpcr-without-initial-rna-isolation-sstep-for-lasermicrodissected-tissue-sample/>

Körber C, Dondzillo A, Eisenhardt G, Herrmannsdörfer F, Wafzig O, Kuner T:

Gene expression profile during functional maturation of a central mammalian synapse

Eur J Neurosci. 2014 Jul 3. doi: 10.1111/ejn.12661.

<http://dx.doi.org/10.1111/ejn.12661>

Kobayakawa K, Ohkawa Y, Yoshizaki S, Tamaru T, Saito T, Kijima K, Yokota K, Hara M, Kubota K, Matsumoto Y, Harimaya K, Ozato K, Masuda T, Tsuda M, Tamura T, Inoue K, Edgerton VR, Iwamoto Y, Nakashima Y, Okada S

Macrophage centripetal migration drives spontaneous healing process after spinal cord injury

Sci Adv. 2019 May 15;5(5):eaav5086. doi: 10.1126/sciadv.aav5086. eCollection 2019 May.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC67106270/>

Kobayashi, T., Uehara, S., Ikeda, T., Itadani, H., and Kotani, H.:

Vitamin D3 up-regulated protein-1 regulates collagen expression in mesangial cells

Kidney Int 64: 1632-1642 (2003)

<http://www.nature.com/kidney/journal/v64/n5/full/4494068a.html>

Köm S, Civriz Bozdog S, Özcan M, Kuzu I (Turkish language):

The Role of Transforming Growth Factor β (TGF β)/ Smad Pathway in Microenvironment Organization of Follicular Lymphoma and its Relevance to Prognosis

LLM Dergi 2025;9(2):41-52 • 10.5578/llm.202502185

<http://doi.org/10.5578/llm.202502185>

Kohama Y, Higo S, Masumura Y, Shiba M, Kondo T, Ishizu T, Higo T, Nakamura S, Kameda S, Tabata T, Inoue H, Motooka D, Okuzaki D, Takashima S, Miyagawa S, Sawa Y, Hikoso S, Sakata Y

Adeno-associated virus-mediated gene delivery promotes S-phase entry-independent precise targeted integration in cardiomyocytes

Sci Rep. 2020 Sep 18;10(1):15348. doi: 10.1038/s41598-020-72216-y.

<https://www.nature.com/articles/s41598-020-72216-y>

Koiso R, Kushida C, Kanaya M, Tsukahara S:

Emergence of the sex difference in calbindin D-28K neurons and the role of calbindin D-28K in clustering neurons of the preoptic area in mice

Cell Tissue Res. 2025 May 21. doi: 10.1007/s00441-025-03981-3.

<https://doi.org/10.1007/s00441-025-03981-3>

Kojima H, Kosugi T, Sato W, Sato Y, Maeda K, Kato N, Kato K, Inaba S, Ishimoto T, Tsuboi N, Matsuo S, Maruyama S, Yuzawa Y, Kadomatsu K:

Deficiency of Growth Factor Midkine Exacerbates Necrotizing Glomerular Injuries in Progressive Glomerulonephritis

Am J Pathol. 2012 Nov 27. pii: S0002-9440(12)00810-3. doi: 10.1016/j.ajpath.2012.10.016.

<http://www.sciencedirect.com/science/article/pii/S0002944012008103>

Kolega J, Poppenberg KE, Lim HW, Gutierrez LC, Veeturi SS, Siddiqui AH, Rajabzadeh-Oghaz H, Tutino VM:

Identification of intima-to-media signals for flow-induced vascular remodeling using correlative gene expression analysis

Sci Rep. 2021 Aug 9;11(1):16142. doi: 10.1038/s41598-021-95403-x.

<https://www.nature.com/articles/s41598-021-95403-x>

Komabayashi-Suzuki M, Yamanishi E, Watanabe C, Okamura M, Tabata H, Iwai R, Ajioka I, Matsushita J, Kidoya H, Takakura N, Okamoto T, Kinoshita K, Ichihashi M, Nagata KI, Ema M, Mizutani KI:

Spatiotemporally Dependent Vascularization Is Differently Utilized among Neural Progenitor Subtypes during Neocortical Development

Cell Rep. 2019 Oct 29;29(5):1113-1129.e5. doi: 10.1016/j.celrep.2019.09.048.

<https://www.sciencedirect.com/science/article/pii/S2211124719312367#!>

Koper A, Zeef LA, Joseph L, Kerr K, Gosney J, Lindsay MA, Booton R:

Whole Transcriptome Analysis of Pre-invasive and Invasive Early Squamous Lung Carcinoma in Archival Laser Microdissected Samples

Respir Res. 2017 Jan 10;18(1):12. doi: 10.1186/s12931-016-0496-3.

<https://respiratory-research.biomedcentral.com/articles/10.1186/s12931-016-0496-3>

Korlatowicz A, Pabian P, Solich J, Kolasa M, Latocha K, Dziedzicka-Wasylewska M, Faron-Górecka A:
Habenula as a Possible Target for Treatment-Resistant Depression Phenotype in Wistar Kyoto Rats

Mol Neurobiol. 2022 Nov 8. doi: 10.1007/s12035-022-03103-y.

<https://doi.org/10.1007/s12035-022-03103-y>

Korvala J, Jee K, Porkola E, Almangush A, Mosakhani N, Bitu C, Cervigne NK, Zandonadi FS, Meirelles GV, Leme AF, Coletta RD, Leivo I, Salo T:

MicroRNA and protein profiles in invasive versus non-invasive oral tongue squamous cell carcinoma cells in vitro

Exp Cell Res. 2016 Oct 20. pii: S0014-4827(16)30340-8. doi: 10.1016/j.yexcr.2016.10.015.

[http://linkinghub.elsevier.com/retrieve/pii/S0014-4827\(16\)30340-8](http://linkinghub.elsevier.com/retrieve/pii/S0014-4827(16)30340-8)

Kosloski LM, Kosmacek EA, Olson KE, Mosley RL, and Gendelman HE:

GM-CSF induces neuroprotective and anti-inflammatory responses in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine intoxicated mice

Journal of Neuroimmunology, 29 Oct 2013, ISSN 0165-5728

<http://dx.doi.org/10.1016/j.jneuroim.2013.10.009>

Kowalik MA, Puliga E, Cabras L, Sulas P, Petrelli A, Perra A, Ledda-Columbano GM, Morandi A, Merlin S, Orrù C, Sanchez-Martin C, Fornari F, Gramantieri L, Parri M, Rasola A, Bellomo SE, Sebastian C, Follenzi A, Giordano S, Columbano A:

Thyroid hormone inhibits hepatocellular carcinoma progression via induction of differentiation and metabolic reprogramming

J Hepatol. 2020 Jan 15. pii: S0168-8278(20)30009-X. doi: 10.1016/j.jhep.2019.12.018.

<https://www.sciencedirect.com/science/article/pii/S016882782030009X#!>

Kowalski PS, Zwiers PJ, Morselt HW, Kuldo JM, Leus NG, Ruiters MH, Molema G, Kamps JA:

Anti-VCAM-1 SAINT-O-Somes enable endothelial-specific delivery of siRNA and downregulation of inflammatory genes in activated endothelium in vivo

J Control Release. 2014 Jan 2. pii: S0168-3659(13)00971-1. doi: 10.1016/j.jconrel.2013.12.029.

<http://www.sciencedirect.com/science/article/pii/S0168365913009711>

Kozuki S, Kabata M, Sakurai S, Iwaisako K, Nishimura T, Toi M, Yamamoto T, Toyoshima F:

Periportal hepatocyte proliferation at midgestation governs maternal glucose homeostasis in mice

Commun Biol. 2023 Dec 4;6(1):1226. doi: 10.1038/s42003-023-05614-3.

<https://doi.org/10.1038/s42003-023-05614-3>

Krabbe S, Duda J, Schiemann J, Poetschke C, Schneider G, Kandel ER, Liss B, Roeper J, Simpson EH:
Increased dopamine D2 receptor activity in the striatum alters the firing pattern of dopamine neurons in the ventral tegmental area

Proc Natl Acad Sci U S A. 2015 Feb 9. pii: 201500450.

<http://www.pnas.org/cgi/lookup?view=long&pmid=25675529>

Krane M, Dummler S, Dressen M, Hauner H, Hoffmann M, Haller D, Heller K, Wildhirt S, Voss B, Grammer J, Lahm H, Lange R, Bauernschmitt R:

Identification of an up-regulated anti-apoptotic network in the internal thoracic artery

Int J Cardiol. 2011 Jun 2;149(2):221-6. doi: 10.1016/j.ijcard.2010.02.003.

[http://linkinghub.elsevier.com/retrieve/pii/S0167-5273\(10\)00066-5](http://linkinghub.elsevier.com/retrieve/pii/S0167-5273(10)00066-5)

Kristensen LS, Ebbesen KK, Sokol M, Jakobsen T, Korsgaard U, Eriksen AC, Hansen TB, Kjems J, Hager H:

Spatial expression analyses of the putative oncogene ciRS-7 in cancer reshape the microRNA sponge theory

Nat Commun. 2020 Sep 11;11(1):4551. doi: 10.1038/s41467-020-18355-2.

<https://www.nature.com/articles/s41467-020-18355-2.pdf>

Kruse LC, Walter NA, Buck KJ:

Mpdz Expression In The Caudolateral Substantia Nigra Pars Reticulata Is Crucially Involved In Alcohol Withdrawal

Genes Brain Behav. 2014 Aug 11. doi: 10.1111/gbb.12171.

<http://dx.doi.org/10.1111/gbb.12171>

Kruspig B, Monteverde T, Neidler S, Hock A, Kerr E, Nixon C, Clark W, Hedley A, Laing S, Coffelt SB, Le Quesne J, Dick C, Vousden KH, Martins CP, Murphy DJ:

The ERBB network facilitates KRAS-driven lung tumorigenesis

Sci Transl Med. 2018 Jun 20;10(446). pii: eaao2565. doi: 10.1126/scitranslmed.aao2565. Erratum in: Sci Transl Med. 2018 Nov 21;10(468):.

<http://stm.sciencemag.org/cgi/pmidlookup?view=short&pmid=29925636>

Ku H-P:

Cadherin-13 Deficiency Impacts Murine Serotonergic Circuitries and Cognitive Functions

Thesis, 2021

https://opus.bibliothek.uni-wuerzburg.de/files/25144/HsingPingKu_PhDthesis_UniW_5x.pdf

Kubištová A, Spišská V, Petrželková L, Hrubcová L, Moravcová S, Maierová L, Bendová Z:

Constant Light in Critical Postnatal Days Affects Circadian Rhythms in Locomotion and Gene Expression in the Suprachiasmatic Nucleus, Retina, and Pineal Gland Later in Life

Biomedicines. 2020 Dec 7;8(12):E579. doi: 10.3390/biomedicines8120579.

<https://www.mdpi.com/2227-9059/8/12/579/htm>

Kubo Y, Tanaka K, Masuike Y, Yamashita K, Makino T, Saito T, Yamamoto K, Takahashi T, Kurokawa Y, Yamasaki M, Nakajima K, Eguchi H, Doki Y:

Low mitochondrial DNA copy number induces chemotherapy resistance via epithelial-mesenchymal transition by DNA methylation in esophageal squamous cancer cells

Research Square, 6th May 2022, DOI: <https://doi.org/10.21203/rs.3.rs-1602834/v1>

<https://doi.org/10.21203/rs.3.rs-1602834/v1>

Kudo N, Ogose A, Ariizumi T, Kawashima H, Hotta T, Hatano H, Morita T, Nagata M, Siki Y, Kawai A, Hotta Y, Hoshino M, Endo N:

Expression of Bone Morphogenetic Proteins in Giant Cell Tumor of Bone

Anticancer Res. 2009 Jun;29(6):2219-25

<http://ar.iijournals.org/content/29/6/2219.short>

Kumar D, Koyanagi I, Carrier-Ruiz A, Vergara P, Srinivasan S, Sugaya Y, Kasuya M, Yu TS, Vogt KE, Muratani M, Ohnishi T, Singh S, Teixeira CM, Chérasse Y, Naoi T, Wang SH, Nondhalee P, Osman BAH, Kaneko N, Sawamoto K, Kernie SG, Sakurai T, McHugh TJ, Kano M, Yanagisawa M, Sakaguchi M:

Sparse Activity of Hippocampal Adult-Born Neurons during REM Sleep Is Necessary for Memory Consolidation

Neuron. 2020 May 20:S0896-6273(20)30354-8. doi: 10.1016/j.neuron.2020.05.008.

https://pubmed.ncbi.nlm.nih.gov/?term=Kumar+D&cauthor_id=32502462

Kunita A, Morita S, Irida TU, Goto A, Niki T, Takai D, Nakajima J, Fukayama M:

MicroRNA-21 in cancer-associated fibroblasts supports lung adenocarcinoma progression

Sci Rep. 2018 Jun 11;8(1):8838. doi: 10.1038/s41598-018-27128-3.

<http://dx.doi.org/10.1038/s41598-018-27128-3>

Kurashina R, Kikuchi K, Iwaki J, Yoshitake H, Takeshita T, Takizawa T:

Placenta-specific miRNA (miR-512-3p) targets PPP3R1 encoding the calcineurin B regulatory subunit in BeWo cells

J Obstet Gynaecol Res. 2013 Nov 18. doi: 10.1111/jog.12217.

<http://onlinelibrary.wiley.com/doi/10.1111/jog.12217/abstract>

Kuribayashi, M., Asamoto, M., Suzuki, S., Hokaiwado, N., Ogawa, K., and Shirai, T.:

Lack of modification of 2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline (MeIQx) rat hepatocarcinogenesis by caffeine, a CYP1A2 inducer, points to complex counteracting influences
Cancer Lett 232(2): 289-299 (2006)

<http://www.cancerletters.info/article/S0304-3835%2805%2900231-4/abstract>

Kurita N, Honda S, Usui K, Shimizu Y, Miyamoto A, Tahara-Hanaoka S, Shibuya K, Shibuya A:

Identification of the Fc α /muR isoform specifically expressed in the kidney tubules

Mol Immunol. 2009 Feb;46(4):749-53.

<http://dx.doi.org/10.1016/j.molimm.2008.10.002>

Kurz A, Double KL, Lastres-Becker I, Tozzi A, Tantucci M, Bockhart V, Bonin M, García-Arencibia M, Nuber S, Schlaudraff F, Liss B, Fernández-Ruiz J, Gerlach M, Wüllner U, Lüddens H, Calabresi P, Auburger G and Gisbert S:

A53T-alpha-Synuclein Overexpression Impairs Dopamine Signaling and Striatal Synaptic Plasticity in Old Mice.

PLoS One 5(7): e11464 (2010)

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0011464>

La Belle Flynn A, Calhoun BC, Sharma A, Chang JC, Almasan A, Schiemann WP:

Autophagy inhibition elicits emergence from metastatic dormancy by inducing and stabilizing Pfkfb3 expression

Nat Commun. 2019 Aug 14;10(1):3668. doi: 10.1038/s41467-019-11640-9.

<https://www.nature.com/articles/s41467-019-11640-9.pdf>

Labuza A, Alldred MJ, Pidikiti H, Malek-Ahmadi MH, Lee SH, Heguy A, Coleman PD, Chakrabarty S, Chiosis G, Mufson EJ, Ginsberg SD:

Frontal cortex pyramidal neuron expression profiles differentiate the prodromal stage from progressive degeneration across the Alzheimer's disease spectrum

Alzheimers Dement. 2025 Jul;21(7):e70395. doi: 10.1002/alz.70395.

<https://doi.org/10.1002/alz.70395>

Ladyman SR, Augustine RA, Scherf E, Philipps HR, Brown CH, Grattan DR:

Attenuated hypothalamic responses to alpha-melanocyte stimulating hormone during pregnancy in the rat

J Physiol. 2015 Nov 28. doi: 10.1113/JP271605.

<http://dx.doi.org/10.1113/JP271605>

LaFavers KA, Macedo E, Garimella PS, Lima C, Khan S, Myslinski J, McClintick J, Witzmann FA, Winfree S, Phillips CL, Hato T, Dagher PC, Wu XR, El-Achkar TM, Micanovic R:

Circulating uromodulin inhibits systemic oxidative stress by inactivating the TRPM2 channel

Sci Transl Med. 2019 Oct 2;11(512). pii: eaaw3639. doi: 10.1126/scitranslmed.aaw3639.

<http://stm.sciencemag.org/cgi/pmidlookup?view=short&pmid=31578243>

Lan F, Li J, Miao W, Sun F, Duan S, Song Y, Yao J, Wang X, Wang C, Liu X, Wang J, Zhang L, Qi H:

GZMK-expressing CD8⁺ T cells promote recurrent airway inflammatory diseases

Nature. 2025 Jan 15. doi: 10.1038/s41586-024-08395-9

<https://doi.org/10.1038/s41586-024-08395-9>

Laoharatchatathanin T, Rieanrakwong D, Hatsugai Y, Terashima R, Yonezawa T, Kurusu S, Kawaminami M:

Mast Cell Dynamics in the Ovary Are Governed by GnRH and Prolactin

Endocrinology. 2023 Sep 23;164(11):bqad144. doi: 10.1210/endocr/bqad144.

<https://doi.org/10.1210/endocr/bqad144>

Larkin J, Chen B, Shi XH, Mishima T, Kokame K, Barak Y, and Sadovsky Y:

EN-13-1425/NDRG1 deficiency attenuates fetal growth and the intrauterine response to hypoxic injury

Endocrinology, ISSN Print 0013-7227 ISSN Online 1945-7170, doi: 10.1210/en.2013-1425

<http://press.endocrine.org/doi/abs/10.1210/en.2013-1425?journalCode=endo>

Larkin J, Chen B, Shi XH, Mishima T, Kokame K, Barak Y, and Sadovsky Y:

NDRG1 deficiency attenuates fetal growth and the intrauterine response to hypoxic injury

Endocrinology. 2014 Mar;155(3):1099-106. doi: 10.1210/en.2013-1425.

http://press.endocrine.org/doi/abs/10.1210/en.2013-1425?url_ver=Z39.88-2003&rft_id=ori:rid:crossref.org&rft_dat=cr_pub%3dpubmed

Latchoumane CV, Betancur MI, Simchick GA, Sun MK, Forghani R, Lenear CE, Ahmed A, Mohankumar R, Balaji N, Mason HD, Archer-Hartmann SA, Azadi P, Holmes PV, Zhao Q, Bellamkonda RV, Karumbaiah L:

Engineered glycomaterial implants orchestrate large-scale functional repair of brain tissue chronically after severe traumatic brain injury

Sci Adv. 2021 Mar 5;7(10):eabe0207. doi: 10.1126/sciadv.abe0207. Print 2021 Mar.

<https://doi.org/10.1126/sciadv.abe0207>

Lavarenne J, Gonin M, Champion A, Javelle M, Adam H, Rouster J, Conejero G, Lartaud M, Verdeil JL, Laplace L, Sallaud C, Lucas M, Gantet P:

Transcriptome profiling of laser-captured crown root primordia reveals new pathways activated during early stages of crown root formation in rice.

PLoS One. 2020 Nov 19;15(11):e0238736. doi: 10.1371/journal.pone.0238736. eCollection 2020.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0238736>

Lebeau A, Bruyere D, Roncarati P, Peixoto P, Hervouet E, Cobraiville G, Taminiau B, Masson M, Gallego C, Mazzucchelli G, Smargiasso N, Fleron M, Baiwir D, Hendrick E, Pilard C, Lerho T, Reynders C, Ancion M, Greimers R, Twizere JC, Daube G, Schlecht-Louf G, Bachelerie F, Combes JD, Melin P, Fillet M, Delvenne P, Hubert P, Herfs M:

HPV infection alters vaginal microbiome through down-regulating host mucosal innate peptides used by Lactobacilli as amino acid sources

Nat Commun. 2022 Feb 28;13(1):1076. doi: 10.1038/s41467-022-28724-8.

<https://www.nature.com/articles/s41467-022-28724-8>

Lee AWS, Hengstler H, Schwald K, Berriel-Diaz M, Loreth D, Kirsch M, Kretz O, Haas CA, de Angelis MH, Herzig S, Brümmendorf T, Klingenspor M, Rathjen FG, Rozman J, Nicholson G, Cox RD, Schäfer MKE:

Functional Inactivation of the Genome-Wide Association Study Obesity Gene Neuronal Growth Regulator 1 in Mice Causes a Body Mass Phenotype

PLoS ONE 7(7): e41537. doi:10.1371/journal.pone.0041537

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0041537>

Lee JG, Kim G, Park SG, Yon JM, Yeom J, Song HE, Cheong SA, Lim JS, Sung YH, Kim K, Yoo HJ, Hong EJ, Nam KH, Seong JK, Kim CJ, Nam SY, Baek IJ:

Lipid signatures reflect the function of the murine primary placental

Biol Reprod. 2022 Mar 19;106(3):583-596. doi: 10.1093/biolre/ioab219.

<https://doi.org/10.1093/biolre/ioab219>

Lee JG, Yon JM, Kim G, Lee SG, Kim CY, Cheong SA, Kim HY, Yu J, Kim K, Sung YH, Yoo HJ, Woo DC, Rho JK, Ha CH, Pack CG, Oh SH, Lim JS, Han YM, Hong EJ, Seong JK, Lee HW, Lee SW, Lee KU, Kim CJ, Nam SY, Cho YS, Baek IJ:

PIBF1 regulates trophoblast syncytialization and promotes cardiovascular development

Nat Commun. 2024 Feb 19;15(1):1487. doi: 10.1038/s41467-024-45647-8.

<https://doi.org/10.1038/s41467-024-45647-8>

Lee K, Santibanez-Koref M, Polvikoski T, Birchall D, Mendelow AD, Keavney B:

Increased expression of fatty acid binding protein 4 and leptin in resident macrophages characterises atherosclerotic plaque rupture

Atherosclerosis. Epub 5 Oct 2012, ISSN 0021-9150, 10.1016/j.atherosclerosis.2012.09.037.

<http://www.sciencedirect.com/science/article/pii/S0021915012006557?v=s5>

Lee S, Toda T, Kiyama H, Yamashita T:

Weakened rate-dependent depression of Hoffmann's reflex and increased motoneuron hyperactivity after motor cortical infarction in mice

Cell Death Dis. 2014 Jan 16;5:e1007. doi: 10.1038/cddis.2013.544.

<http://www.nature.com/cddis/journal/v5/n1/pdf/cddis2013544a.pdf>

Lee Y, Stevens DA, Kang SU, Jiang H, Lee YI, Ko HS, Scarffe LA, Umanah GE, Kang H, Ham S, Kam TI, Allen K, Brahmachari S, Kim JW, Neifert S, Yun SP, Fiesel FC, Springer W, Dawson VL, Shin JH, Dawson TM:

PINK1 Primes Parkin-Mediated Ubiquitination of PARIS in Dopaminergic Neuronal Survival

Cell Rep. 2017 Jan 24;18(4):918-932. doi: 10.1016/j.celrep.2016.12.090.

<http://www.sciencedirect.com/science/article/pii/S2211124716318125>

Léger C, Dupré N, Aligny C, Bénard M, Lebon A, Henry V, Hauchecorne M, Galas L, Frebourg T, Leroux P, Vivien D, Lecointre M, Marret S, Gonzalez BJ

Glutamate controls vessel-associated migration of GABA interneurons from the pial migratory route via NMDA receptors and endothelial protease activation

Cell Mol Life Sci. 2019 Aug 7. doi: 10.1007/s00018-019-03248-5.

<https://dx.doi.org/10.1007/s00018-019-03248-5>

Lehmann J, Thelen M, Kreer C, Schran S, Garcia-Marquez MA, Csicic I, Siepmann K, Hagen EM, Eckel HNC, Lohneis P, Kruger S, Boeck S, Ormanns S, Rudelius M, Werner J, Popp F, Klein F, von Bergwelt-Baildon MS, Bruns CJ, Quaas A, Wennhold K, Schlößer HA:

Tertiary Lymphoid Structures in Pancreatic Cancer are Structurally Homologous, Share Gene Expression Patterns and B-cell Clones with Secondary Lymphoid Organs, but Show Increased T-cell Activation

Cancer Immunol Res. 2025 Mar 4;13(3):323-336. doi: 10.1158/2326-6066.CIR-24-0299.

<https://doi.org/10.1158/2326-6066.cir-24-0299>

Lei HC, Parker KE, Yuede CM, McCall JG, Imai S-i:

Aging reduces motivation through decreased Bdnf expression in the ventral tegmental area

bioRxiv preprint doi: 10.1101/2023.01.19.524624; January 20, 2023.

<https://doi.org/10.1101/2023.01.19.524624>

Lei Y, Huang T, Su M, Luo J, Korteweg C, Li J, Chen Z, Qiu Y, Liu X, Yan M, Wang Y, Gu J:

Expression and distribution of immunoglobulin G in the normal liver, hepatocarcinoma and postpartial hepatectomy liver

Lab Invest. 2014 Sep 29. doi: 10.1038/labinvest.2014.114

<http://dx.doi.org/10.1038/labinvest.2014.114>

Lei Y, Iwashita M, Choi J, Aikawa M and Aikawa E:

N-acetylglucosamine-1-Phosphate Transferase Suppresses Lysosomal Hydrolases in Dysfunctional Osteoclasts: A Potential Mechanism for Vascular Calcification

J. Cardiovasc. Dev. Dis. 2015, 2, 31-47; doi:10.3390/jcdd2020031

<http://www.mdpi.com/2308-3425/2/2/31/htm>

Lembrechts R, Brouns I, Schnorbusch K, Pintelon I, Kemp PJ, Timmermans JP, Riccardi D, Adriaensen D:

Functional expression of the multimodal extracellular calcium-sensing receptor in pulmonary neuroendocrine cells

J Cell Sci. 2013 Jul 25.

<http://jcs.biologists.org/cgi/pmidlookup?view=long&pmid=23886943>

Lembrechts R, Pintelon I, Schnorbusch K, Kemp P, Timmermans JP, Riccardi D, Adriaensen D, Brouns I: **Functional expression of the extracellular Ca²⁺-sensing receptor in pulmonary neuroepithelial bodies unraveled by RT-PCR after laser microdissection, multilabel immunohistochemistry and high resolution confocal calcium imaging**

Poster, EMC 2012, Manchester

http://www.emc2012.org.uk/documents/Abstracts/Abstracts/EMC2012_0483.pdf

Lenoel I, Ribon M, Lorenc F, Diebold A, Philibert CE, Robaldo D, Badsì M, Perronnet J, Lameth J, Berriat F, Misawa H, Coutelier M, Cassel R, Sarrazin N, Jost-Mousseau C, Bohl D, Millecamps S, Mallat M, Brenner D, Weishaupt JH, Boillée S, Lobsiger CS:

ALS/FTD-linked TBK1 deficiency in microglia induces an aged-like microglial signature and drives social recognition deficits in mice

Nat Commun. 2025 Aug 26;16(1):7951. doi: 10.1038/s41467-025-63211-w.

<https://doi.org/10.1038/s41467-025-63211-w>

Lenzi L, Caruso C, Bianchedi PL, Pertot I, Perazzolli M:

Laser microdissection of grapevine leaves reveals site-specific regulation of transcriptional response to *Plasmopara viticola*

Plant Cell Physiol. 2015 Nov 6. pii: pcv166.

<http://pcp.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=26546320>

Letellier E, Schmitz M, Baig K, Beaume N, Schwartz C, Frasilheiro S, Antunes L, Marcon N, Nazarov PV, Vallar L, Even J, Haan S:

Identification of SOCS2 and SOCS6 as biomarkers in human colorectal cancer

Br J Cancer. 2014 Jul 15. doi: 10.1038/bjc.2014.377.

<http://dx.doi.org/10.1038/bjc.2014.377>

Li D, Kular L, Vij M, Herter EK, Li X, Wang A, Chu T, Toma MA, Zhang L, Liapi E, Mota A, Blomqvist L, Sérézal IG, Rollman O, Wikstrom JD, Bienko M, Berglund D, Stähle M, Sommar P, Jagodic M, Landén NX:

Human skin long noncoding RNA WAKMAR1 regulates wound healing by enhancing keratinocyte migration

Proc Natl Acad Sci U S A. 2019 Apr 24. pii: 201814097. doi: 10.1073/pnas.1814097116.

<https://www.pnas.org/content/pnas/early/2019/04/23/1814097116.full.pdf>

Li D, Liu J, Yang C, Tian Y, Yin C, Hu L, Chen Z, Zhao F, Zhang R, Lu A, Zhang G, Qian A:

Targeting long noncoding RNA PMIF facilitates osteoprogenitor cells migrating to bone formation surface to promote bone formation during aging

Theranostics. 2021 Mar 20;11(11):5585-5604. doi: 10.7150/thno.54477.

<https://www.thno.org/v11p5585.htm>

Li F, Pascal LE, Wang K, Zhou Y, Balasubramani GK, O'Malley KJ, Dhir R, He K, Stolz D, DeFranco DB, Yoshimura N, Nelson JB, Chong T, Guo P, He D, Wang Z:

Transforming growth factor beta 1 impairs benign prostatic luminal epithelial cell monolayer barrier function

Am J Clin Exp Urol. 2020 Feb 25;8(1):9-17. eCollection 2020.
<https://www.ncbi.nlm.nih.gov/pmc/articles/pmid/32211449/>

Li G, Xu A, Sim S, Priest JR, Tian X, Khan T, Quertermous T, Zhou B, Tsao PS, Quake SR, Wu SM:
Transcriptomic Profiling Maps Anatomically Patterned Subpopulations among Single Embryonic Cardiac Cells

Dev Cell. 2016 Nov 8. pii: S1534-5807(16)30752-3. doi: 10.1016/j.devcel.2016.10.014.
[http://linkinghub.elsevier.com/retrieve/pii/S1534-5807\(16\)30752-3](http://linkinghub.elsevier.com/retrieve/pii/S1534-5807(16)30752-3)

Li M, Zhang L, Li J, and Zhu Q:

Direct Reprogramming of Mouse Subchondral Bone Osteoblasts into Chondrocyte-Like Cells

Biomedicines 2022, 10, 2582.
<https://doi.org/10.3390/biomedicines10102582>

Li R, Di L, Li J, Fan W, Liu Y, Guo W, Liu W, Liu L, Li Q, Chen L, Chen Y, Miao C, Liu H, Wang Y, Ma Y, Xu D, Lin D, Huang Y, Wang J, Bai F, Wu C:

A body map of somatic mutagenesis in morphologically normal human tissues

Nature. 2021 Sep;597(7876):398-403. doi: 10.1038/s41586-021-03836-1.
<https://doi.org/10.1038/s41586-021-03836-1>

Li R, Wu M, Chen S, Huang L, Wang C, Yu Z, Huang F, Liu X, Zhu N, Song C, Jiang G, Yin X:

A cell isolation method from Ligusticum chuanxiong Hort. suitable for obtaining high-quality RNA for Smart-seq

Plant Methods. 2025 Aug 10;21(1):109. doi: 10.1186/s13007-025-01425-1.
<https://doi.org/10.1186/s13007-025-01425-1>

Li W, Ren Z, Tang Y, Fu Y, Sun S, Ding R, Hou J, Mai Y, Zhan B, Zhu Y, Zuo W, Ye JH, Fu R:

Rostromedial tegmental nucleus nociceptin/orphanin FQ (N/OFQ) signaling regulates anxiety- and depression-like behaviors in alcohol withdrawn rats

Neuropsychopharmacology. 2022 Nov 3. doi: 10.1038/s41386-022-01482-3.
<https://doi.org/10.1038/s41386-022-01482-3>

Li X, Duan C, Li R, Wang D:

Insights into the Mechanism of Bovine Spermiogenesis Based on Comparative Transcriptomic Studies

Animals (Basel). 2021 Jan 5;11(1):80. doi: 10.3390/ani11010080.
<https://www.mdpi.com/2076-2615/11/1/80>

Li Y, Guo X, Xue Q, Zhu M, Gao L, and Wang Y:

Single Cell Gene Profiling Revealed Heterogeneity of Paracrine Effects of Bone Marrow Cells in Mouse Infarcted Hearts

PLoS ONE 8(7): e68270. doi:10.1371/journal.pone.0068270
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0068270>

Li Y, Lei D, Swindell WR, Xia W, Weng S, Fu J, Worthen CA, Okubo T, Johnston A, Gudjonsson JE, Voorhees JJ, Fisher GJ:

Age-Associated Increase of Skin Fibroblast-Derived Prostaglandin E2 Contributes to Reduced Collagen Levels in Elderly Human Skin

J Invest Dermatol. 2015 Apr 23. doi: 10.1038/jid.2015.157.
<http://dx.doi.org/10.1038/jid.2015.157>

Li, Y., Wang, J., Zhu, G., Zhang, X., Zhai, H., Zhang, W., Wang, W., and Huang, G.:

Detection of parvovirus B19 nucleic acids and expression of viral VP1/VP2 antigen in human colon carcinoma

Am J Gastroenterol 102(7): 1489-1498 (2007)

<http://www.nature.com/ajg/journal/v102/n7/full/ajg2007292a.html>

Liao J, Qian J, Fang Y, Chen Z, Zhuang X, Zhang N, Shao X, Yang H, Yang P, Cheng J, Hu Y, Hu Y, Yu L, Zhang J, Lu X, Shao L, Wu D, Gao Y, Chen H, Fan X:

Spatially resolved single-cell deconvolution of bulk RNA seq using Bulk2Space

bioRxiv, 18 Jan 2022, doi: <https://doi.org/10.1101/2022.01.15.476472>

<https://www.biorxiv.org/content/biorxiv/early/2022/01/18/2022.01.15.476472.full.pdf>

Licht-Mayer S, Campbell GR, Canizares M, Mehta AR, Gane AB, McGill K, Ghosh A, Fullerton A, Menezes N, Dean J, Dunham J, Al-Azki S, Pryce G, Zandee S, Zhao C, Kipp M, Smith KJ, Baker D, Altmann D, Anderton SM, Kap YS, Laman JD, Hart BA', Rodriguez M, Watzlawick R, Schwab JM, Carter R, Morton N, Zagnoni M, Franklin RJM, Mitchell R, Fleetwood-Walker S, Lyons DA, Chandran S, Lassmann H, Trapp BD, Mahad DJ:

Enhanced axonal response of mitochondria to demyelination offers neuroprotection: implications for multiple sclerosis

Acta Neuropathol. 2020 Jun 22. doi: 10.1007/s00401-020-02179-x.

<https://link.springer.com/content/pdf/10.1007/s00401-020-02179-x.pdf>

Liddel SA, Temple S, Møllgård K, Gehwolf R, Wagner A, Bauer H, Bauer HC, Phoenix TN, Dziegielewska KM, Saunders NR:

Molecular Characterisation of Transport Mechanisms at the Developing Mouse Blood-CSF Interface: A Transcriptome Approach

PLoS One. 2012;7(3):e33554. Epub 2012 Mar 21.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0033554>

Ligon JA, Choi W, Cojocaru G, Fu W, Hsiue EH, Oke TF, Siegel N, Fong MH, Ladle B, Pratilas CA, Morris CD, Levin A, Rhee DS, Meyer CF, Tam AJ, Blosser R, Thompson ED, Suru A, McConkey D, Housseau F, Anders R, Pardoll DM, Llosa N:

Pathways of immune exclusion in metastatic osteosarcoma are associated with inferior patient outcomes.

J Immunother Cancer. 2021 May;9(5):e001772. doi: 10.1136/jitc-2020-001772.

<https://jitc.bmj.com/content/9/5/e001772>

Lin AC, Tan CL, Lin CL, Strohlic L, Huang YS, Richter JD, Holt CE:

Cytoplasmic polyadenylation and cytoplasmic polyadenylation element-dependent mRNA regulation are involved in *Xenopus* retinal axon development

Neural Dev. 2009 Mar 2;4:8. doi: 10.1186/1749-8104-4-8.

<http://www.neuraldevelopment.com/content/4/1/8>

Lin HY, Law PY, Loh HH:

Activation of PKC α or PKC ϵ as an approach to increase morphine tolerance in respiratory depression and lethal overdose

J Pharmacol Exp Ther. 2012 Jan 6. doi: 10.1124/jpet.111.188235

<http://jpet.aspetjournals.org/content/early/2012/01/06/jpet.111.188235.abstract>

Lin LC, Sibille E:

Somatostatin, neuronal vulnerability and behavioral emotionality

Mol Psychiatry. 2015 Jan 20. doi: 10.1038/mp.2014.184.

<http://www.nature.com/mp/journal/vaop/ncurrent/full/mp2014184a.html>

Lin, P.C., Hsiao, L.T., Poh, S.B., Wang, W.S., Yen, C.C., Chao, T.C., Liu, J.H., Chiou, T.J., and Chen, P.M.:

Higher fungal infection rate in elderly patients (more than 80 years old) suffering from diffuse large B cell lymphoma and treated with rituximab plus CHOP

Ann Hematol 86(2): 95-100 (2007)

<http://www.springerlink.com/content/y0v22r0507522037/>

Lin XY, Fan CF, Dong XJ, Yu JH, Dai SD, Wang EH:

Expression and significance of stem cell markers in pulmonary sclerosing haemangioma

Histopathology. 2012 Aug;61(2):178-85. doi: 10.1111/j.1365-2559.2011.04088.x.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2559.2011.04088.x/abstract>

Ling H, Pickard K, Ivan C, Isella C, Ikuo M, Mitter R, Spizzo R, Bullock MD, Braicu C, Pileczki V, Vincent K, Pichler M, Stiegelbauer V, Hoefler G, Almeida MI, Hsiao A, Zhang X, Primrose JN, Packham GK, Liu K, Bojja K, Gafà R, Xiao L, Rossi S, Song JH, Vannini I, Fanini F, Kopetz S, Zweidler-McKay P, Wang X, Ionescu C, Irimie A, Fabbri M, Lanza G, Hamilton SR, Berindan-Neagoe I, Medico E, Mirnezami AH, Calin GA, Nicoloso MS:

The clinical and biological significance of MIR-224 expression in colorectal cancer metastasis

Gut. 2015 Mar 24. pii: gutjnl-2015-309372. doi: 10.1136/gutjnl-2015-309372.

<http://gut.bmj.com/cgi/lookup?view=long&pmid=25804630>

Liss, B., Haeckel, O., Wildmann, J., Miki, T., Seino, S., and Roeper, J.:

K-ATP channels promote the differential degeneration of dopaminergic midbrain neurons

Nat Neurosci 8(12): 1742-1751 (2005)

<http://www.nature.com/neuro/journal/v8/n12/full/nn1570.html>

Liss B, Simons C, Benkert J, Deuter N, Pongs O, Schneider T, Duda J:

NCS-1 deficiency affects mRNA-levels of genes involved in regulation of ATP-Synthesis and mitochondrial stress in highly vulnerable Substantia nigra dopaminergic neurons

Front. Mol. Neurosci. | doi: 10.3389/fnmol.2019.00252

<https://www.frontiersin.org/articles/10.3389/fnmol.2019.00252/abstract>

Liu D, Xu X, Wen J, Xie L, Zhang J, Shen Y, Jiang G, Chen J, Fan M:

Integrated Genome-wide Analysis of Gene Expression and DNA Copy Number Variations Highlights Stem Cell Related Pathways in Small Cell Esophageal Carcinoma

<http://downloads.hindawi.com/journals/sci/aip/3481783.pdf>

Liu J, Wang Z, Liang W, Zhang Z, Deng Y, Chen X, Hou Z, Xie Y, Wang Q, Li Y, Bai C, Li D, Mo F, Wang H, Wang D, Yuan J, Wang Y, Teng ZQ, Hu B:

Microglial TMEM119 binds to amyloid- β to promote its clearance in an A β -depositing mouse model of Alzheimer's disease

Immunity. 2025 May 9:S1074-7613(25)00181-5. doi: 10.1016/j.immuni.2025.04.018.

<https://doi.org/10.1016/j.immuni.2025.04.018>

Liu J, Wu X, Lu J, Huang G, Dang L, Zhang H, Zhong C, Zhang Z, Li D, Li F, Liang C, Yu Y, Zhang B-T, Chen L, Lu A and Zhang G:

Exosomal transfer of osteoclast-derived miRNAs to chondrocytes contributes to osteoarthritis progression

Nature Aging, 15 Apr '21, volume 1, pages368–384(2021)

<https://www.nature.com/articles/s43587-021-00050-6>

Liu N, Ma Y, Gong W, Shao X, Shi T, Li L, Wu W, Chen X, Shi Y, Zhang P, Lin J, Wang C, Fang D, Yang L, Wang P, Gao W, He Y, An X, Du R, Chen Y, Liu B, Qin J, Chen D, Cai P, Jiang Q, Guo B:

Osteocyte-derived extracellular vesicles mediate the bone-to-cartilage crosstalk and promote osteoarthritis progression

Nat Commun. 2025 May 22;16(1):4746. doi: 10.1038/s41467-025-59861-5.

<https://doi.org/10.1038/s41467-025-59861-5>

Liu PW, Lin Y, Chen XY :

The expression of B-cell-specific Moloney murine leukemia virus integration site 1 mRNA and protein in gastric cancer

J Dig Dis. 2014 Jan 6. doi: 10.1111/1751-2980.12129.

<http://www.ncbi.nlm.nih.gov/pubmed/24393364>

Liu T, Ma Q, Zhang Y, Wang X, Xu K, Yan K, Dong W, Fan Q, Zhang Y, Qiu X:

Self-seeding circulating tumor cells promote the proliferation and metastasis of human osteosarcoma by upregulating interleukin-8

Cell Death Dis. 2019 Jul 31;10(8):575. doi: 10.1038/s41419-019-1795-7.

<http://dx.doi.org/10.1038/s41419-019-1795-7>

Liu XS, Chopp M, Wang XL, Zhang L, Hozeska-Solgot A, Tang T, Kassis H, Zhang RL, Chen C, Xu J, Zhang ZG:

MicroRNA-17/92 cluster mediates the proliferation and survival of neural progenitor cells after stroke

J Biol Chem. 2013 Mar 19.

<http://www.jbc.org/content/early/2013/03/19/jbc.M112.449025.full.pdf+html>

Liu XS, Chopp M, Zhang RL, Tao T, Wang XL, Kassis H, Hozeska-Solgot A, Zhang L, Chen C, Zhang ZG:
MicroRNA Profiling in Subventricular Zone after Stroke: MiR-124a Regulates Proliferation of Neural Progenitor Cells through Notch Signaling Pathway

PLoS ONE 6(8): e23461. doi:10.1371/journal.pone.0023461 (2011)

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0023461>

Liu Y, Huang H, Sun G, Alwadani S, Semba RD, Luttly GA, Yiu S, Edward DP:

Gene Expression Profile of Extracellular Matrix and Adhesion Molecules in the Human Normal Corneal Stroma

Curr Eye Res. 2016 Jul 21:1-8.

<http://www.tandfonline.com/doi/full/10.1080/02713683.2016.1200099>

Liu, Y.Y., Leboeuf, C., Shi, J.Y., Li, J.M., Wang, L., Shen, Y., Garcia, J.F., Shen, Z.X., Chen, Z., Janin, A., Chen, S.J., and Zhao, W.L.:

Rituximab plus CHOP (R-CHOP) overcomes PRDM1-associated resistance to chemotherapy in patients with diffuse large B-cell lymphoma

Blood 110(1): 339-344 (2007)

<http://bloodjournal.hematologylibrary.org/content/110/1/339.long>

Liu Z, Li J, Gao C, Miao Y, Cui K:

The cellulose–lignin balance mediated by auxin signal transduction affects the twisted growth of Yunnan pine trunk

Scientia Horticulturae 317 (2023) 112085

<https://doi.org/10.1016/j.scienta.2023.112085>

Liu Z, Xu J, Ma Q, Zhang X, Yang Q, Wang L, Cao Y, Xu Z, Tawfik A, Sun Y, Weintraub NL, Fulton DJ, Hong M, Dong Z, Smith LEH, Caldwell RB, Sodhi A, Huo Y:

Glycolysis links reciprocal activation of myeloid cells and endothelial cells in the retinal angiogenic niche

Sci Transl Med. 2020 Aug 5;12(555):eaay1371. doi: 10.1126/scitranslmed.aay1371.

<http://stm.sciencemag.org/cgi/pmidlookup?view=short&pmid=32759274>

Lobsiger CS, Boillée S, Cleveland DW:

Toxicity from different SOD1 mutants dysregulates the complement system and the neuronal regenerative response in ALS motor neurons

Proc Natl Acad Sci U S A. 2007 May 1;104(18):7319-26.
<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=17463094>

Logantha SJRJ, Kharche SR, Zhang Y, Atkinson AJ, Hao G, Boyett MR, Dobrzynski H:
Sinus node-like pacemaker mechanisms regulate ectopic pacemaker activity in the adult rat atrioventricular ring
Sci Rep. 2019 Aug 13;9(1):11781. doi: 10.1038/s41598-019-48276-0.
<http://dx.doi.org/10.1038/s41598-019-48276-0>

Long C, Jiang L, Wei F, Ma C, Zhou H, Yang S, Liu X, Liu Z:
Integrated miRNA-mRNA Analysis Revealing the Potential Roles of miRNAs in Chordomas
PLoS One. 2013 Jun 24;8(6):e66676. doi: 10.1371/journal.pone.0066676. Print 2013.
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0066676>

Louie KW, Saera-Vila A, Kish PE, Colacino JA, Kahana A:
Temporally distinct transcriptional regulation of myocyte dedifferentiation and Myofiber growth during muscle regeneration
BMC Genomics. 2017 Nov 9;18(1):854. doi: 10.1186/s12864-017-4236-y.
<https://bmcbgenomics.biomedcentral.com/articles/10.1186/s12864-017-4236-y>

Lu L, Yang H, Xu Y, Zhang L, Wu J, Yi H:
Laser capture microdissection-based spatiotemporal transcriptomes uncover regulatory networks during seed abortion in seedless Ponkan (Citrus reticulata)
Plant J. 2023 Apr 19. doi: 10.1111/tpj.16251.
<https://doi.org/10.1111/tpj.16251>

Lugli G, Kataria Y, Richards Z, Gann P, Zhou X, Nonn L:
Laser-capture Microdissection of Human Prostatic Epithelium for RNA Analysis
J Vis Exp. 2015 Nov 26;(105). doi: 10.3791/53405.
<https://www.jove.com/video/53405/laser-capture-microdissection-human-prostatic-epithelium-for-rna>

Luo W:
Single-Soma Deep RNA Sequencing of Human Dorsal Root Ganglion Neurons Reveals Novel Molecular and Cellular Mechanisms Underlying Somatosensation
Research Square, 15th Sep 2023
<https://doi.org/10.21203/rs.3.rs-3293629/v1>

Luo Z, Zhang L, Li Z, Li X, Li G, Yu H, Jiang C, Dai Y, Guo X, Xiang J, Li G
An in silico analysis of dynamic changes in microRNA expression profiles in stepwise development of nasopharyngeal carcinoma
BMC Med Genomics. 2012 Jan 19;5(1):3.
<http://www.biomedcentral.com/1755-8794/5/3>

Lux TJ, Hu X, Ben-Kraiem A, Blum R, Tsung-Chieh Chen J, Rittner HL:
Regional Differences in Tight Junction Protein Expression in the Blood–DRG Barrier and Their Alterations after Nerve Traumatic Injury in Rats
Int. J. Mol. Sci. 2020, 21, 270; doi:10.3390/ijms21010270
<https://www.mdpi.com/1422-0067/21/1/270>

Luxen M, Zwiers PJ, Jongman RM, Moser J, Pultar M, Skalicky S, Diendorfer AB, Hackl M, van Meurs M, Molema G:
Sepsis Induces Heterogeneous Transcription of Coagulation- and Inflammation-Associated Genes in Renal Microvasculature
Chapter 7, thesis 2023
<https://doi.org/10.33612/diss.829869819>

Luxen M, Zwiers PJ, Meester F, Jongman RM, Kuiper T, Moser J, Pultar M, Skalicky S, Diendorfer AB, Hackl M, van Meurs M, Molema G:

Unique miRNome and Transcriptome Profiles Underlie Microvascular Heterogeneity in Mouse Kidney

Am J Physiol Renal Physiol. 2023 Jul 6. doi: 10.1152/ajprenal.00005.2023.
<https://doi.org/10.1152/ajprenal.00005.2023>

Lyne SB, Girard R, Koskimäki J, Zeineddine HA, Zhang D, Cao Y, Li Y, Stadnik A, Moore T, Lightle R, Shi C, Shenkar R, Carrión-Penagos J, Polster SP, Romanos S, Akers A, Lopez-Ramirez M, Whitehead KJ, Kahn ML, Ginsberg MH, Marchuk DA, Awad IA

Biomarkers of cavernous angioma with symptomatic hemorrhage

JCI Insight. 2019 Jun 20;4(12). pii: 128577. doi: 10.1172/jci.insight.128577.
<https://insight.jci.org/articles/view/128577/pdf>

Ma L, Tian X, Guo H, Zhang Z, Du C, Wang F, Xie X, Gao H, Zhuang Y, Kornmann M, Gao H, Yang Y:
Long noncoding RNA H19 derived miR-675 regulates cell proliferation by down-regulating E2F-1 in human pancreatic ductal adenocarcinoma

Journal of Cancer, 2018; 9(2): 389-399. doi: 10.7150/jca.21347
<http://www.jcancer.org/v09p0389.pdf>

Ma N, Siegfried C, Kubota M, Huang J, Liu Y, Liu M, Dana B, Huang A, Beebe D, Yan H, Shui YB:
Expression Profiling of Ascorbic Acid-Related Transporters in Human and Mouse Eyes

Invest Ophthalmol Vis Sci. 2016 Jun 1;57(7):3440-3450. doi: 10.1167/iovs.16-19162.
<http://iovs.arvojournals.org/article.aspx?doi=10.1167/iovs.16-19162>

Ma P, Song NN, Li Y, Zhang Q, Zhang L, Zhang L, Kong Q, Ma L, Yang X, Ren B, Li C, Zhao X, Li Y, Xu Y, Gao X, Ding YQ, Mao B

Fine-Tuning of Shh/Gli Signaling Gradient by Non-proteolytic Ubiquitination during Neural Patterning

Cell Rep. 2019 Jul 9;28(2):541-553.e4. doi: 10.1016/j.celrep.2019.06.017.
[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(19\)30783-1](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(19)30783-1)

Ma W, Zhou T, Song M, Liu J, Chen G, Zhan J, Ji L, Luo F, Gao X, Li P, Xia X, Huang Y, Zhang L:
Genomic and transcriptomic profiling of combined small-cell lung cancer through microdissection: unveiling the transformational pathway of mixed subtype

J Transl Med. 2024 Feb 21;22(1):189. doi: 10.1186/s12967-024-04968-4.
<https://doi.org/10.1186/s12967-024-04968-4>

MacFarlane EG, Parker SJ, Shin JY, Ziegler SG, Creamer TJ, Bagirzadeh R, Bedja D, Chen Y, Calderon JF, Weissler K, Frischmeyer-Guerrero PA, Lindsay ME, Habashi JP, Dietz HC

Lineage-specific events underlie aortic root aneurysm pathogenesis in Loeys-Dietz syndrome

J Clin Invest. 2019 Feb 1;129(2):659-675. doi: 10.1172/JCI123547. Epub 2019 Jan 7.
<https://doi.org/10.1172/JCI123547>

Macasai CE, Georgiou KR, Foster BK, Zannettino AC, Xian CJ:

Microarray expression analysis of genes and pathways involved in growth plate cartilage injury responses and bony repair

Bone. 2012 Feb 22;50(5):1081-1091.
<http://www.sciencedirect.com/science/article/pii/S8756328212000695>

Madsen JF, Ernst EH, Amoushahi M, Dueholm M, Ernst E, Lykke-Hartmann K:

Dorsomorphin inhibits AMPK, upregulates Wnt and Foxo genes and promotes the activation of dormant follicles

Commun Biol. 2024 Jun 20;7(1):747. doi: 10.1038/s42003-024-06418-9.
<https://doi.org/10.1038/s42003-024-06418-9>

Madurga A, Golec A, Pozarska A, Ishii I, Mižiková I, Nardiello C, Vadász I, Herold S, Mayer K, Reichenberger F, Fehrenbach H, Seeger W, Morty RE:

The H₂S-generating enzymes cystathionine β -synthase and cystathionine γ -lyase play a role in vascular development during normal lung alveolarization

Am J Physiol Lung Cell Mol Physiol. 2015 Jul 31;ajplung.00134.2015. doi: 10.1152/ajplung.00134.2015.
<http://ajplung.physiology.org/cgi/pmidlookup?view=reprint&pmid=26232299>

Maeshima Y, Kataoka TR, Vandenberg A, Hirata M, Takeuchi Y, Suzuki Y, Fukui Y, Kawashima M, Takada M, Ibi Y, Haga H, Morita S, Toi M, Kawaoka S, Kawaguchi K:

Intra-patient spatial comparison of non-metastatic and metastatic lymph nodes reveals a reduction in CD169⁺ macrophages within metastatic breast cancers

EBioMedicine. 2024 Aug 21;107:105271. doi: 10.1016/j.ebiom.2024.105271
<https://doi.org/10.1016/j.ebiom.2024.105271>

Marchiano S, Nakamura K, Reinecke H, Neidig L, Lai M, Kadota S, Perbellini F, Yang X, Klaiman JM, Blakely LP, Karbassi E, Fields PA, Fenix AM, Beussman KM, Jayabalu A, Kalucki FA, Futakuchi-Tsuchida A, Weber GJ, Dupras S, Tsuchida H, Pabon L, Wang L, Knollmann BC, Kattman S, Thies RS, Sniadecki N, MacLellan WR, Bertero A, Murry CE:

Gene editing to prevent ventricular arrhythmias associated with cardiomyocyte cell therapy

Cell Stem Cell. 2023 Apr 6;30(4):396-414.e9. doi: 10.1016/j.stem.2023.03.010.
<https://doi.org/10.1016/j.stem.2023.03.010>

Marek A, Schöler C, Satué M, Haigl B, Erben RG:

A Laser Capture Microdissection Protocol That Yields High Quality RNA from Fresh-frozen Mouse Bones

J. Vis. Exp. (151), e60197, doi:10.3791/60197 (2019).
<https://www.jove.com/video/60197/a-laser-capture-microdissection-protocol-that-yields-high-quality-rna>

Marino N, German R, Rao X, Simpson E, Liu S, Wan J, Liu Y, Sandusky G, Jacobsen M, Stoval M, Cao S, and Storniolio AMV:

Upregulation of lipid metabolism genes in the breast prior to cancer diagnosis

npj Breast Cancer volume 6, Article number: 50 (6 Oct 2020)
<https://www.nature.com/articles/s41523-020-00191-8#Sec20>

Martin LB, Nicolas P, Matas AJ, Shinozaki Y, Catalá C, Rose JK:

Laser microdissection of tomato fruit cell and tissue types for transcriptome profiling

Nat Protoc. 2016 Dec;11(12):2376-2388. doi: 10.1038/nprot.2016.146.
<http://www.nature.com/nprot/journal/v11/n12/pdf/nprot.2016.146.pdf>

Martinez CC, Li S, Woodhouse MR, Sugimoto K, Sinha NR:

Spatial transcriptional signatures define margin morphogenesis along the proximal-distal and medio-lateral axes in tomato (*Solanum lycopersicum*) leaves

The Plant Cell, koaa012, <https://doi.org/10.1093/plcell/koaa012>
<https://academic.oup.com/plcell/advance-article/doi/10.1093/plcell/koaa012/6017183>

Martínez F, Cifuentes M, Tapia JC, Nualart F:

The median eminence as the hypothalamic area involved in rapid transfer of glucose to the brain: functional and cellular mechanisms

J Mol Med (Berl). 2019 Aug;97(8):1085-1097. doi: 10.1007/s00109-019-01799-5.
<https://dx.doi.org/10.1007/s00109-019-01799-5>

Mastroeni D, Nolz J, Khdour OM, Sekar S, Delvaux E, Cuyugan L, Liang WS, Hecht SM, Coleman PD:

Oligomeric amyloid β preferentially targets neuronal and not glial mitochondrial-encoded mRNAs

Alzheimer's & Dementia, 23 Jan 2018, ISSN 1552-5260, <https://doi.org/10.1016/j.jalz.2017.12.005>.

<https://www.sciencedirect.com/science/article/pii/S1552526017338761>

Mastroeni D, Nolz J, Sekar S, Delvaux E, Serrano G, Cuyugan L, Liang WS, Beach TG, Rogers J, Coleman PD:

Laser-captured microglia in the Alzheimer's and Parkinson's brain reveal unique regional expression profiles and suggest a potential role for hepatitis B in Alzheimer's brain

Neurobiology of Aging, 2017, ISSN 0197-4580, <https://doi.org/10.1016/j.neurobiolaging.2017.10.019>.
<http://www.sciencedirect.com/science/article/pii/S0197458017303585>

Mastroeni D, Sekar S, Nolz J, Delvaux E, Lunnon K, Mill J, Liang WS, Coleman PD :

ANK1 is up-regulated in laser captured microglia in Alzheimer's brain; the importance of addressing cellular heterogeneity

PLoS One. 2017 Jul 12;12(7):e0177814. doi: 10.1371/journal.pone.0177814. eCollection 2017.
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0177814>

Masuda M, Iida K, Iwabuchi S, Tanaka M, Kubota S, Uematsu H, Onuma K, Kukita Y, Kato K, Kamiura S, Nakajima A, Coppo R, Kanda M, Yoshino K, Ueda Y, Morii E, Kimura T, Kondo J, Okada-Hatakeyama M, Hashimoto S, Inoue M:

Clonal origin and lineage ambiguity in mixed neuroendocrine carcinoma of the uterine cervix

Am J Pathol. 2023 Dec 14:S0002-9440(23)00458-3. doi: 10.1016/j.ajpath.2023.11.013.
<https://doi.org/10.1016/j.ajpath.2023.11.013>

Masuda T, Kai N, Sakuma C, Kobayashi K, Koga H, Yaginuma H:

Laser capture microdissection and cDNA array analysis for identification of mouse KIAA/FLJ genes differentially expressed in the embryonic dorsal spinal cord

Brain Res 1249:61-7 (2009)
<http://dx.doi.org/10.1016/j.brainres.2008.10.028>

Mateo F, Meca-Cortés O, Celià-Terrassa T, Fernández Y, Abasolo I, Sánchez-Cid L, Bermudo R, Sagasta A, Rodríguez-Carunchio L, Pons M, Cánovas V, Marín-Aguilera M, Mengual L, Alcaraz A, Schwartz S Jr, Mellado B, Aguilera KY, Brekken R, Fernández PL, Paciucci R, Thomson TM :

SPARC mediates metastatic cooperation between CSC and non-CSC prostate cancer cell subpopulations

Mol Cancer. 2014 Oct 21;13(1):237. doi: 10.1186/1476-4598-13-237.
<http://www.molecular-cancer.com/content/13/1/237>

Matsumoto H, Murakami Y, Kataoka K, Notomi S, Mantopoulos D, Trichonas G, Miller JW, Gregory MS, Ksander BR, Marshak-Rothstein A, Vavvas DG:

Membrane-bound and soluble Fas ligands have opposite functions in photoreceptor cell death following separation from the retinal pigment epithelium

Cell Death Dis. 2015 Nov 19;6:e1986. doi: 10.1038/cddis.2015.334.
<http://dx.doi.org/10.1038/cddis.2015.334>

Matsushita K, Toyoda T, Akane H, Morikawa T, Ogawa K:

CD44 expression in renal tubular epithelial cells in the kidneys of rats with cyclosporine-induced chronic kidney disease

J Toxicol. Pathology, 2023 Dec 18.
https://www.jstage.jst.go.jp/article/tox/advpub/0/advpub_2023-0111/_pdf

Matsushita K, Toyoda T, Akane H, Morikawa T, Ogawa K:

Role of CD44 expressed in renal tubules during maladaptive repair in renal fibrogenesis in an allopurinol-induced rat model of chronic kidney disease

J Appl Toxicol. 2023 Oct 24. doi: 10.1002/jat.4554.
<https://doi.org/10.1002/jat.4554>

Matsuyama S, Pervin M, Nakagawa M, Izawa T, Kuwamura M, Yamate J:

Properties of macrophages and lymphocytes appearing in rat renal fibrosis followed by repeated injection of cisplatin

J Vet Med Sci. 2021 Jul 22. doi: 10.1292/jvms.21-0341.

https://www.jstage.jst.go.jp/article/jvms/advpub/0/advpub_21-0341/pdf

Matz H, Taylor RS, Redmond AK, Hill TM, Ruiz Daniels R, Beltran M, Henderson NC, Macqueen DJ, Dooley H:

Organized B cell sites in cartilaginous fishes reveal the evolutionary foundation of germinal centers

Cell Rep. 2023 Jun 20;42(7):112664. doi: 10.1016/j.celrep.2023.112664.

<https://doi.org/10.1016/j.celrep.2023.112664>

Mauris J, Dieckow J, Schob S, Pulli B, Hatton MP, Jeong S, Bauskar A, Gabison E, Nowak R, Argüeso P:
Loss of CD147 results in impaired epithelial cell differentiation and malformation of the meibomian gland

Cell Death Dis. 2015 Apr 16;6:e1726. doi: 10.1038/cddis.2015.98

<http://dx.doi.org/10.1038/cddis.2015.98>

Maussion G, Moalic JM, Simonneau M, Gorwood P, Ramoz N:

Increased expression of BDNF mRNA in the frontal cortex of autistic patients

Behav Brain Res. 2018 Jun 21. pii: S0166-4328(18)30230-4. doi: 10.1016/j.bbr.2018.06.023.

<https://www.sciencedirect.com/science/article/pii/S0166432818302304>

Maussion G, Thomas RA, Demirova I, Gu G, Cai E, Chen CX-Q, Abdian N, Strauss TJP, Kelaï S, Nauleau-Javaudin A, Beitel LK, Ramoz N, Gorwood P, Durcan TM:

Auto-qPCR: A Python based web app for automated and reproducible analysis of qPCR data

bioRxiv, Jan 2021, doi: <https://doi.org/10.1101/2021.01.14.426748>

<https://www.biorxiv.org/content/10.1101/2021.01.14.426748v1>

Mazzarella G, Iacomino G, Luca P, Iaquinto S, Fabiana C, Troncone R, Aufiero VR:

Cell-type-specific gene expression profile by laser capture microdissection on mirror sections

J Immunol Methods. 2022 Apr 24;113276. doi: 10.1016/j.jim.2022.113276.

<https://www.sciencedirect.com/science/article/abs/pii/S0022175922000631>

McCullumsmith R, Imami A, Hamoud A, Ryan W, Sahay S, Arvay T, O'Donovan S, Asah S, Golchin H, Joyce A, Walss-Bass C, Shedroff W, Devine E:

Neuronal alterations in AKT isotype expression in schizophrenia

Research Square, 13th March 2024

<https://doi.org/10.21203/rs.3.rs-3940448/v1>

McDaniel K, Huang L, Sato K, Wu N, Annable T, Zhou T, Ramos-Lorenzo S, Wan Y, Huang Q, Francis H, Glaser S, Tsukamoto H, Alpini G, Meng F:

The let-7/lin28 axis regulates activation of hepatic stellate cells in alcoholic liver injury

J Biol Chem. 2017 May 23. pii: jbc.M116.773291. doi: 10.1074/jbc.M116.773291.

<http://www.jbc.org/content/early/2017/05/23/jbc.M116.773291.short>

McDaniel K, Meng F, Wu N, Sato K, Venter J, Bernuzzi F, Invernizzi P, Zhou T, Kyritsi K, Wan Y, Huang Q, Onori P, Francis H, Gaudio E, Glaser S, Alpini G:

Forkhead box A2 regulates biliary heterogeneity and senescence during cholestatic liver injury in mice

Hepatology. 2017 Feb;65(2):544-559. doi: 10.1002/hep.28831.

<http://dx.doi.org/10.1002/hep.28831>

McDaniel K, Wu N, Zhou T, Huang L, Sato K, Venter J, Ceci L, Chen D, Ramos-Lorenzo S, Invernizzi P, Bernuzzi F, Wu C, Francis H, Glaser S, Alpini G, Meng F:

Amelioration of Ductular Reaction by Stem Cell Derived Extracellular Vesicles in MDR2 knockout mice via let-7 microRNA

Hepatology. 2019 Feb 5. doi: 10.1002/hep.30542.

<https://doi.org/10.1002/hep.30542>

McEnerney L, Duncan K, Bang BR, Elmasry S, Li M, Miki T, Ramakrishnan SK, Shah YM, Saito T:

Dual modulation of human hepatic zonation via canonical and non-canonical Wnt pathways

Exp Mol Med. 2017 Dec 15;49(12):e413. doi: 10.1038/emm.2017.226.

<https://www.nature.com/articles/emm2017226>

Mei I, Nichterwitz S, Leboeuf M, Nijssen J, Lenoel I, Repsilber D, Lobsinger CS, Hedlund E:

Transcriptional modulation unique to vulnerable motor neurons predicts ALS across species and SOD1 mutations

bioRxiv, preprint doi: 10.1101/2024.03.15.584775; March 22, 2024

<https://doi.org/10.1101/2024.03.15.584775>

Mei Z, Zhu K, Yen D, Jia H, Luo W, Ye J, Deng X:

Developing a simple and rapid method for cell-specific transcriptome analysis through laser microdissection: insights from citrus rind with broader implications

Plant Methods. 2024 Jul 27;20(1):113. doi: 10.1186/s13007-024-01242-y.

<https://doi.org/10.1186/s13007-024-01242-y>

Mena S, Rodriguez ML, Ortega A, Priego S, Obrador E, Asensi M, Petschen I, Cerda M, Brown BD, Estrela JM:

Glutathione and Bcl-2 targeting facilitates elimination by chemoradiotherapy of human A375 melanoma xenografts overexpressing bcl-xl, bcl-2, and mcl-1

J Transl Med. 2012 Jan 10;10(1):8.

<http://www.translational-medicine.com/content/pdf/1479-5876-10-8.pdf>

Meng Z, Edman MC, Hsueh PY, Chen CY, Klingnam W, Tolmachova T, Okamoto CT, Hamm-Alvarez SF:

Imbalanced Rab3D versus Rab27 increases cathepsin S secretion from lacrimal acini in a mouse model of Sjögren's Syndrome

Am J Physiol Cell Physiol. 2016 Apr 13;ajpcell.00275.2015. doi: 10.1152/ajpcell.00275.2015.

<http://ajpcell.physiology.org/cgi/pmidlookup?view=reprint&pmid=27076615>

Menon S, Chi Hang Lui V, Kwong Hang Tam P:

Comparison of Computational Tools for Differential Gene Expression Analysis of RNA Sequencing and Single-Cell RNA Sequencing Data

ejbps, 2022, Volume 9, Issue 4, 86-94

https://www.ejbps.com/ejbps/abstract_id/8681

Mesci P, Zaïdi S, Lobsiger CS, Millecamps S, Escartin C, Seilhean D, Sato H, Mallat M, Boillée S:

System xC⁻ is a mediator of microglial function and its deletion slows symptoms in amyotrophic lateral sclerosis mice

Brain. 2014 Nov 10. pii: awu312.

<http://brain.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=25384799>

Metwaly H, Maruyama S, Yamazaki M, Tsuneki M, Abé T, Jen KY, Cheng J, Saku T

Parenchymal-stromal switching for extracellular matrix production on invasion of oral squamous cell carcinoma

Hum Pathol. 2012 May 9.

[http://linkinghub.elsevier.com/retrieve/pii/S0046-8177\(12\)00063-9](http://linkinghub.elsevier.com/retrieve/pii/S0046-8177(12)00063-9)

Metzendorf C, Wineberger K, Rausch J, Cigiliano A, Calvisi DF, Peters, Sun B, Mennerich D, Kietzmann T, Dombrowski F, Ribback S:

Transcriptomic and Proteomic analysis of clear cell foci (CCF) in the human non-cirrhotic liver identifies several differentially expressed genes and proteins with functions in cancer cell biology and glycogen metabolism

bioRxiv, 10 Feb 2020, 10 Feb 2020

<https://www.biorxiv.org/content/10.1101/2020.02.10.941211v1.full>

Miccoli A, Pianese V, Bidoli C, Fausto AM, Scapigliati G, Picchietti S:

Transcriptome profiling of microdissected cortex and medulla unravels functional regionalization in the European sea bass *Dicentrarchus labrax* thymus

Fish Shellfish Immunol. 2023 Dec 23;145:109319. doi: 10.1016/j.fsi.2023.109319.

<https://doi.org/10.1016/j.fsi.2023.109319>

Miguchi M, Hinoi T, Shimomura M, Adachi T, Saito Y, Niitsu H, Kochi M, Sada H, Sotomaru Y, Ikenoue T, Shigeyasu K, Tanakaya K, Kitadai Y, Sentani K, Oue N, Yasui W, Ohdan H:

Gasdermin C Is Upregulated by Inactivation of Transforming Growth Factor β Receptor Type II in the Presence of Mutated Apc, Promoting Colorectal Cancer Proliferation

PLoS One. 2016 Nov 11;11(11):e0166422. doi: 10.1371/journal.pone.0166422. eCollection 2016.

<http://dx.plos.org/10.1371/journal.pone.0166422>

Mihelich BL, Khramtsova EA, Arva N, Vaishnav A, Johnson DN, Giangreco AA, Martens-Uzunova E, Bagasra O, Kajdacsy-Balla A, Nonn L:

The miR-183-96-182 cluster is overexpressed in prostate tissue and regulates zinc homeostasis in prostate cells

J Biol Chem. 2011 Nov 1. [Epub ahead of print]

<http://www.jbc.org/content/early/2011/11/01/jbc.M111.262915.full.pdf+html>

Millar JL, Khan D, Becker MG, Chan A, Dufresne A, Sumner M, Belmonte MF:

Chalazal seed coat development in *Brassica napus*

Plant Science, Volume 241, December 2015, Pages 45–54

<http://www.sciencedirect.com/science/article/pii/S0168945215300765>

Miller JA, Ding SL, Sunkin SM, Smith KA, Ng L, Szafer A, Ebbert A, Riley ZL, Royall JJ, Aiona K, Arnold JM, Bennet C, Bertagnoli D, Brouner K, Butler S, Caldejon S, Carey A, Cuhaciyan C, Dalley RA, Dee N, Dolbeare TA, Facer BA, Feng D, Fliss TP, Gee G, Goldy J, Gourley L, Gregor BW, Gu G, Howard RE, Jochim JM, Kuan CL, Lau C, Lee CK, Lee F, Lemon TA, Lesnar P, McMurray B, Mastan N, Mosqueda N, Nalua-Cecchini T, Ngo NK, Nyhus J, Oldre A, Olson E, Parente J, Parker PD, Parry SE, Stevens A, Pletikos M, Reding M, Roll K, Sandman D, Sarreal M, Shapouri S, Shapovalova NV, Shen EH, Sjoquist N, Slaughterbeck CR, Smith M, Sodt AJ, Williams D, Zöllei L, Fischl B, Gerstein MB, Geschwind DH, Glass IA, Hawrylycz MJ, Hevner RF, Huang H, Jones AR, Knowles JA, Levitt P, Phillips JW, Sestan N, Wahnoutka P, Dang C, Bernard A, Hohmann JG, Lein ES:

Transcriptional landscape of the prenatal human brain

Nature. 2014 Apr 2. doi: 10.1038/nature13185.

<http://dx.doi.org/10.1038/nature13185>

Miller JA, Nathanson J, Franjic D, Shim S, Dalley RA, Shapouri S, Smith KA, Sunkin SM, Bernard A, Bennett JL, Lee CK, Hawrylycz MJ, Jones AR, Amaral DG, Sestan N, Gage FH, Lein ES:

Conserved molecular signatures of neurogenesis in the hippocampal subgranular zone of rodents and primates

Development. 2013 Oct 23.

<http://dev.biologists.org/cgi/pmidlookup?view=long&pmid=24154525>

Mimori, K., Kataoka, A., Yoshinaga, K., Ohta, M., Sagara, Y., Yoshikawa, Y., Ohno, S., Barnard, G.F., and Mori, M.:

Identification of molecular markers for metastasis-related genes in primary breast cancer cells

Clin Exp Metastasis 22(1): 59-67 (2005)

<http://www.springerlink.com/content/ju17kr07r6101603/>

Minegishi S, Ishigami T, Kino T, Chen L, Nakashima-Sasaki R, Araki N, Yatsu K, Fujita M, Umemura S:

An isoform of Nedd4-2 is critically involved in the renal adaptation to high salt intake in mice

Sci Rep. 2016 Jun 3;6:27137. doi: 10.1038/srep27137

<http://dx.doi.org/10.1038/srep27137>

Mints M, Landin D, Näsman A, Mirzaie L, Ursu RG, Zupancic M, Marklund L, Dalianis T, Munck-Wikland E, Ramqvist T:

Tumour inflammation signature and expression of S100A12 and HLA class I improve survival in HPV-negative hypopharyngeal cancer.

Sci Rep. 2021 Jan 19;11(1):1782. doi: 10.1038/s41598-020-80226-z.

<https://www.nature.com/articles/s41598-020-80226-z>

Mishima C, Kagara N, Tanei T, Naoi Y, Shimoda M, Shimomura A, Shimazu K, Kim SJ, Noguchi S:

Mutational analysis of MED12 in fibroadenomas and phyllodes tumors of the breast by means of targeted next-generation sequencing

Breast Cancer Res Treat. 2015 Jun 21.

<http://dx.doi.org/10.1007/s10549-015-3469-1>

Mishra PK, Teale JM:

Transcriptome analysis of the ependymal barrier during murine neurocysticercosis

J Neuroinflammation. 2012 Jun 25;9(1):141

<http://www.jneuroinflammation.com/content/9/1/141/abstract>

Mitsuhashi T, Ogasawara T, Nakayama M, Kondo R, Akiba J, Murotani K, Ono T, Sato F, Umeno H and Yano H:

Gamma-glutamyl cyclotransferase, a molecule identified from the invasive front of follicular thyroid carcinoma, is useful for differential diagnosis of follicular thyroid tumors

Pathology - Research and Practice, (2024) doi:<https://doi.org/10.1016/j.prp.2024.155678>

<https://doi.org/10.1016/j.prp.2024.155678>

Miwa T, Ohta K, Ito N, Hattori S, Miyakawa T, Takeo T, Nakagata N, Song WJ, Minoda R:

Tsukushi is essential for the development of the inner ear

Mol Brain. 2020 Mar 3;13(1):29. doi: 10.1186/s13041-020-00570-z.

<https://molecularbrain.biomedcentral.com/track/pdf/10.1186/s13041-020-00570-z>

Miyahara Y, Hu C, Moriyama M, Kaneko N, Haque RASM, Chinju A, Kai K, Sakamoto M, Kakizoe-Ishiguro N, Yamauchi M, Ogata K, Kiyoshima T, Kawano S, Nakamura S:

Toll-like receptor 9-positive plasmacytoid dendritic cells promote Th17 immune responses in oral lichen planus stimulated by epithelium-derived cathepsin K

Research Square, 21 Aug 2023

<https://doi.org/10.21203/rs.3.rs-3256830/v1>

Mizuarai, S., Takahashi, K., Kobayashi, T., and Kotani, H.:

Advances in isolation and characterization of homogeneous cell populations using laser microdissection

Histol Histopathol 20(1): 139-146 (2005)

http://www.hh.um.es/Abstracts/Vol_20/20_1/20_1_139.htm

Mohan RA, Bosada FM, van Weerd JH, van Duijvenboden K, Wang J, Mommersteeg MTM, Hooijkaas IB, Wakker V, de Gier-de Vries C, Coronel R, Boink GJJ, Bakkers J, Barnett P, Boukens BJ, Christoffels VM:

T-box transcription factor 3 governs a transcriptional program for the function of the mouse atrioventricular conduction system

Proc Natl Acad Sci U S A. 2020 Jul 16;201919379. doi: 10.1073/pnas.1919379117.
<https://www.pnas.org/content/early/2020/07/15/1919379117.short>

Mohylyak I, Andriatsilavo M, Bengochea M, Pascual-Caro C, Asfago N, Fonseca-Topp S, Danda N, Cassar M, Marie C, Atak ZK, De Waegeneer M, Aerts S, Corti O, de Juan-Sanz J, Hassan BA:

Temporal transcriptional regulation of mitochondrial morphology primes activity-dependent circuit connectivity

Nat Commun. 2025 Sep 1;16(1):8173. doi: 10.1038/s41467-025-62908-2.
<https://doi.org/10.1038/s41467-025-62908-2>

Moldovan L-I, Birballe Hansen T, Trillingsgaard Venø M, Okholm TLH, Andersen TL, Hager H, Iversen L, Kjems J, Johansen C Kristensen LS:

High-throughput RNA sequencing from paired lesional- and non-lesional skin reveals major alterations in the psoriasis circRNAome

bioRxiv, 581066; doi: <https://doi.org/10.1101/581066>
<https://www.biorxiv.org/content/10.1101/581066v1>

Moradi M, Sivadasan R, Saal L, Lüningschrör P, Dombert B, Rathod RJ, Dieterich DC, Blum R, Sendtner M:

Differential roles of α -, β -, and γ -actin in axon growth and collateral branch formation in motoneurons

J Cell Biol. 2017 Feb 28. pii: jcb.201604117. doi: 10.1083/jcb.201604117.
<http://jcb.rupress.org/cgi/pmidlookup?view=long&pmid=28246119>

Moravcová S:

Modulace signální dráhy JAK/STAT v suprachiasmatickém jádře hypotalamu potkana - Modulation of the JAK/STAT signaling pathway in the suprachiasmatic nucleus of rat hypothalamus

Thesis (Czech language), 2021

<https://dspace.cuni.cz/bitstream/handle/20.500.11956/148728/140095197.pdf?sequence=1>

Mori, M., Mimori, K., Yoshikawa, Y., Shibuta, K., Utsunomiya, T., Sadanaga, N., Tanaka, F., Matsuyama, A., Inoue, H., and Sugimachi, K.:

Analysis of the gene-expression profile regarding the progression of human gastric carcinoma

Surgery 131(1 Suppl): S39-47 (2002)

<http://www.surgjournal.com/article/S0039-6060%2802%2970084-6/abstract>

Mori Y, Chung UI, Tanaka S, Saito T:

Determination of differential gene expression profiles in superficial and deeper zones of mature rat articular cartilage using RNA sequencing of laser microdissected tissue specimens

Biomed Res. 2014;35(4):263-70.

<http://japanlinkcenter.org/DN/JST.JSTAGE/biomedres/35.263?lang=en&from=PubMed>

Moriyama M, Kanda T, Midorikawa Y, Matsumura H, Masuzaki R, Nakamura H, Ogawa M, Matsuoka S, Shibata T, Yamazaki M, Kuroda K, Nakayama H, Higaki T, Kanemaru K, Miki T, Sugitani M, Takayama T: The proliferation of atypical hepatocytes and CDT1 expression in noncancerous tissue are associated with the postoperative recurrence of hepatocellular carcinoma.

Sci Rep. 2022 Nov 28;12(1):20508. doi: 10.1038/s41598-022-25201-6.

<https://www.nature.com/articles/s41598-022-25201-6>

Mounier T, Navarro-Sanz S, Bureau C, Antoine L, Varoquaux F, Durandet F, Périn C:

A fast, efficient and high-throughput procedure involving laser microdissection and RT droplet digital PCR for tissue-specific expression profiling of rice roots

BMC Mol Cell Biol. 2020 Dec 10;21(1):92. doi: 10.1186/s12860-020-00312-y.

<https://bmcmolcellbiol.biomedcentral.com/articles/10.1186/s12860-020-00312-y>

Moutsopoulos NM, Nares S, Nikitakis N, Rangel Z, Wen J, Munson P, Sauk J, Wahl SM:
Tonsil epithelial factors may influence oropharyngeal human immunodeficiency virus transmission

Am J Pathol. 2007 Aug;171(2):571-9. Epub 2007 Jul 9.

<http://www.ncbi.nlm.nih.gov/pmc/articles/pmid/17620369/>

Mozos A, Catasús L, D'Angelo E, Serrano E, Espinosa I, Ferrer I, Ponsa C, Prat J:
The FOXO1-miR27 Tandem Regulates Myometrial Invasion in Endometrioid Endometrial Adenocarcinoma

Human Pathology, 2014 Jan 8

<http://www.sciencedirect.com/science/article/pii/S0046817714000069>

Mucaj V, Lee SS, Skuli N, Giannoukos DN, Qiu B, Eisinger-Mathason TS, Nakazawa MS, Shay JE, Gopal PP, Venneti S, Lal P, Minn AJ, Simon MC, Mathew LK:

MicroRNA-124 expression counteracts pro-survival stress responses in glioblastoma

Oncogene. 2014 Jun 23. doi: 10.1038/onc.2014.168.

<http://dx.doi.org/10.1038/onc.2014.168>

Mueller, A., Merrell, D.S., Grimm, J., and Falkow, S.:

Profiling of microdissected gastric epithelial cells reveals a cell type-specific response to Helicobacter pylori infection

Gastroenterology 127(5): 1446-1462 (2004)

[http://www.gastrojournal.org/article/S0016-5085\(04\)01555-0/fulltext](http://www.gastrojournal.org/article/S0016-5085(04)01555-0/fulltext)

Mueller, A., O'Rourke, J., Grimm, J., Guillemín, K., Dixon, M.F., Lee, A., and Falkow, S.:

Distinct gene expression profiles characterize the histopathological stages of disease in Helicobacter-induced mucosa-associated lymphoid tissue lymphoma

Proc Natl Acad Sci U S A 100(3): 1292-1297 (2003)

<http://www.pnas.org/content/100/3/1292.long>

Müller B, Serafin F, Laucke LL, Rheinhard W, Wimmer T, Stieger K:

Characterization of Double-Strand Break Repair Protein Ku80 Location Within the Murine Retina

Invest Ophthalmol Vis Sci. 2022 Jun 1;63(6):22. doi: 10.1167/iovs.63.6.22.

<https://iovs.arvojournals.org/article.aspx?articleid=2783427>

Munakata Y, Yamada T, Imai J, Takahashi K, Tsukita S, Shirai Y, Kodama S, Asai Y, Sugisawa T, Chiba Y, Kaneko K, Uno K, Sawada S, Hatakeyama H, Kanzaki M, Miyazaki JI, Oka Y, Katagiri H:

Olfactory receptors are expressed in pancreatic β -cells and promote glucose-stimulated insulin secretion

Sci Rep. 2018 Jan 24;8(1):1499. doi: 10.1038/s41598-018-19765-5.

<https://www.nature.com/articles/s41598-018-19765-5.pdf>

Murayama N, Miyaki T, Okuzaki D, Shibata Y, Koji T, Inoue A, Aoki J, Hayashi H, Tanaka Y, Murota H:

Transcriptome profiling of anhidrotic eccrine sweat glands reveals that olfactory receptors on eccrine sweat glands regulate perspiration in a ligand-dependent manner

JID Innovations (2023), doi: <https://doi.org/10.1016/j.xjidi.2023.100196>.

<https://doi.org/10.1016/j.xjidi.2023.100196>

Nagahama J, Daa T, Yada N, Kashima K, Fujiwara S, Saikawa T, Yokoyama S:

Tyrosine kinase receptor RON and its ligand MSP in Merkel cell carcinoma

Pathol Res Pract. 2011 Jun 29. [Epub ahead of print]

<http://www.sciencedirect.com/science/article/pii/S0344033811001208>

Nagai K, Nakahata S, Shimosaki S, Tamura T, Kondo Y, Baba T, Taki T, Taniwaki M, Kurosawa G, Sudo Y, Okada S, Sakoda S, Morishita K:

Development of a complete human anti-human transferrin receptor C antibody as a novel marker of oral dysplasia and oral cancer

Cancer Med. 2014 Jun 2. doi: 10.1002/cam4.267.

<http://onlinelibrary.wiley.com/doi/10.1002/cam4.267/pdf>

Nagai, Y., Nochi, T., Watanabe, K., Aso, H., Kitazawa, H., Matsuzaki, M., Ohwada, S., and Yamaguchi, T.:
Localization of interleukin-18 and its receptor in somatotrophs of the bovine anterior pituitary gland

Cell Tissue Res 322(3): 455-462 (2005)

<http://www.springerlink.com/content/lw37x0713w628807/>

Nagano S, Jinno J, Abdelhamid RF, Jin Y, Shibata M, Watanabe S, Hirokawa S, Nishizawa M, Sakimura K, Onodera O, Okada H, Okada T, Saito Y, Takahashi-Fujigasaki J, Murayama S, Wakatsuki S, Mochizuki H, Araki T:

TDP-43 transports ribosomal protein mRNA to regulate axonal local translation in neuronal axons

Acta Neuropathol. 2020 Aug 16. doi: 10.1007/s00401-020-02205-y.

<https://link.springer.com/article/10.1007/s00401-020-02205-y>

Naganuma S, Itoh H, Uchiyama S, Nagaike K, Tanaka H, Akiyama Y, Chijiwa K, and Kataoka H:

Nuclear translocation of H2RSP is impaired in regenerating intestinal epithelial cells of murine colitis model

Virchows Arch 448(3): 354-360 (2006)

<http://www.springerlink.com/content/y54w332352216546/>

Nakahara K, Okuda H, Isonishi A, Kawabe Y, Tanaka T, Tatsumi K, Wanaka A:

Amino acid transporter Asc-1 (SLC7A10) expression is altered in basal ganglia in experimental Parkinsonism and L-dopa-induced dyskinesia model mice

J Chem Neuroanat. 2022 Nov 17:102191. doi: 10.1016/j.jchemneu.2022.102191.

<https://doi.org/10.1016/j.jchemneu.2022.102191>

Nakanishi T, Fujita Y, Yamashita T:

Neuropilin-1-mediated pruning of corticospinal tract fibers is required for motor recovery after spinal cord injury

Cell Death Dis. 2019 Jan 25;10(2):67. doi: 10.1038/s41419-019-1338-2.

<https://www.nature.com/articles/s41419-019-1338-2.pdf>

Nakano Y, Nakatani Y, Takami M, Taniyama Y, Arima S:

Diverse associations between oxidative stress and thromboxane A2 in hypertensive glomerular injury

Hypertens Res. 2018 Dec 13. doi: 10.1038/s41440-018-0162-x.

<http://dx.doi.org/10.1038/s41440-018-0162-x>

Nakashima H, Ohkawara B, Ishigaki S, Fukudome T, Ito K, Tsushima M, Konishi H, Okuno T, Yoshimura T, Ito M, Masuda A, Sobue G, Kiyama H, Ishiguro N, Ohno K:

R-spondin 2 promotes acetylcholine receptor clustering at the neuromuscular junction via Lgr5

Sci Rep. 2016 Jun 22;6:28512. doi: 10.1038/srep28512.

<http://dx.doi.org/10.1038/srep28512>

Nakashima S, Morishita M, Ueno K, Tsukahara S:

Region-specific effects of copulation on dendritic spine morphology and gene expression related to spinogenesis in the medial preoptic nucleus of male rats

Psychoneuroendocrinology. 2019 May 29;108:1-13. doi: 10.1016/j.psyneuen.2019.05.025.

<https://www.sciencedirect.com/science/article/abs/pii/S0306453018310977#!>

Nakayama M, Sakai E, Echizen K, Yamada Y, Oshima H, Han TS, Ohki R, Fujii S, Ochiai A, Robine S, Voon DC, Tanaka T, Taketo MM, Oshima M:

Intestinal cancer progression by mutant p53 through the acquisition of invasiveness associated with complex glandular formation.

Oncogene. 2017 Jun 19. doi: 10.1038/onc.2017.194.

<https://www.nature.com/onc/journal/vaop/ncurrent/full/onc2017194a.html>

Nakazato, K., Mogushi, K., Kayamori, K., Tsuchiya, M., Takahashi, K., Sumino, J., Michi, Y., Yoda, T., Uzawa, N:

Glucose metabolism changes during the development and progression of oral tongue squamous cell carcinomas

Oncology Letters (2019): <https://doi.org/10.3892/ol.2019.10420>

<https://www.spandidos-publications.com/10.3892/ol.2019.10420>

Nartey MN, Peña-Castillo L, LeGrow M, Doré J, Bhattacharya S, Darby-King A, Carew SJ, Yuan Q, Harley CW, McLean JH:

Learning-induced mRNA alterations in olfactory bulb mitral cells in neonatal rats

Learn Mem. 2020 Apr 15;27(5):209-221. doi: 10.1101/lm.051177.119.

<http://learnmem.cshlp.org/content/27/5/209.full.pdf>

Natarelli L, Geißler C, Csaba G, Wei Y, Zhu M, di Francesco A, Hartmann P, Zimmer R, Schober A:

miR-103 promotes endothelial maladaptation by targeting IncWDR59

Nat Commun. 2018 Jul 6;9(1):2645. doi: 10.1038/s41467-018-05065-z.

<http://dx.doi.org/10.1038/s41467-018-05065-z>

Nave AH, Mižíková I, Niess G, Steenbock H, Reichenberger F, Talavera ML, Veit F, Herold S, Mayer K, Vadász I, Weissmann N, Seeger W, Brinckmann J, Morty RE:

Lysyl Oxidases Play a Causal Role in Vascular Remodeling in Clinical and Experimental Pulmonary Arterial Hypertension

Arterioscler Thromb Vasc Biol. 2014 May 15. pii: ATVBAHA.114.303534.

<http://atvb.ahajournals.org/cgi/pmidlookup?view=long&pmid=24833797>

Nawata A, Hisano S, Shimajiri S, Wang KY, Tanaka Y, Nakayama T:

Podocyte and endothelial cell injury develop nephrotic syndrome in proliferative lupus nephritis

Histopathology. 2017 Dec 15. doi: 10.1111/his.13454.

<https://dx.doi.org/10.1111/his.13454>

Neidler S, Kruspi B, Hewit K, Monteverde T, Gyuraszova K, Braun A, Clark W, James D, Hedley A, Nieswandt B, Shanks E, Dick C, Murphy DJ:

Identification of a Clinically Relevant Signature for Early Progression in KRAS-Driven Lung Adenocarcinoma

Molecular Profiling in Lung Cancer, 2019, 2019030286 (doi: 10.20944/preprints201903.0286.v1)

<https://www.preprints.org/manuscript/201903.0286/v1>

Neupane S, Adhikari N, Jung JK, An CH, Lee S, Jun JH, Kim JY, Lee Y, Sohn WJ, Kim JY:

Regulation of mesenchymal signaling in palatal mucosa differentiation

Histochem Cell Biol. 2017 Dec 5. doi: 10.1007/s00418-017-1620-2.

<https://dx.doi.org/10.1007/s00418-017-1620-2>

Nevo I, Woolard K, Cam M, Li A, Webster JD, Kotliarov Y, Kim HS, Ahn S, Walling J, Kotliarova S, Belova G, Song H, Bailey R, Zhang W, Fine HA:

Identification of molecular pathways facilitating glioma cell invasion in situ

PLoS One. 2014 Nov 3;9(11):e111783. doi: 10.1371/journal.pone.0111783. eCollection 2014.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0111783#s2>

Newberry EP, Xie Y, Lodeiro C, Solis R, Moritz W, Kennedy S, Barron L, Onufer E, Alpini G, Zhou T, Blaner WS, Chen A, Davidson NO:

Hepatocyte and stellate cell deletion of liver fatty acid binding protein reveals distinct roles in fibrogenic injury

FASEB J. 2018 Dec 21:fj201801976R. doi: 10.1096/fj.201801976R.

<https://www.fasebj.org/doi/abs/10.1096/fj.201801976R>

Nezu Y, Hagiwara K, Yamamoto Y, Fujiwara T, Matsuo K, Yoshida A, Kawai A, Saito T, Ochiya T:
miR-135b, a key regulator of malignancy, is linked to poor prognosis in human myxoid liposarcoma

Oncogene. 2016 May 9. doi: 10.1038/onc.2016.157.

<http://dx.doi.org/10.1038/onc.2016.157>

Nguyen TT, Hachisuga T, Urabe R, Kurita T, Kagami S, Kawagoe T, Shimajiri S, Nabeshima K:

Significance of p53 expression in background endometrium in endometrial carcinoma

Virchows Arch. 2015 Mar 19.

<http://dx.doi.org/10.1007/s00428-015-1752-5>

Nichterwitz S, Benitez JA, Hoogstraaten R, Deng Q, Hedlund E:

LCM-Seq: A Method for Spatial Transcriptomic Profiling Using Laser Capture Microdissection Coupled with PolyA-Based RNA Sequencing

Methods Mol Biol. 2018;1649:95-110. doi: 10.1007/978-1-4939-7213-5_6.

https://link.springer.com/protocol/10.1007/978-1-4939-7213-5_6

Nichterwitz S, Chen G, Aguila Benitez J, Yilmaz M, Storvall H, Cao M, Sandberg R, Deng Q, Hedlund E:

Laser capture microscopy coupled with Smart-seq2 for precise spatial transcriptomic profiling

Nat Commun. 2016 Jul 8;7:12139. doi: 10.1038/ncomms12139.

<http://dx.doi.org/10.1038/ncomms12139>

Nichterwitz S, Nijssen J, Storvall H, Schweingruber C, Comley LH, Allodi I, Lee MV, Deng Q, Sandberg R, Hedlund E:

LCM-seq reveals unique transcriptional adaptation mechanisms of resistant neurons and identifies protective pathways in spinal muscular atrophy

Genome Res. 2020 Aug;30(8):1083-1096. doi: 10.1101/gr.265017.120.

<https://genome.cshlp.org/content/early/2020/08/12/gr.265017.120.full.pdf>

Nishida, K., Mine, S., Utsunomiya, T., Inoue, H., Okamoto, M., Udagawa, H., Hanai, T., and Mori, M.:

Global analysis of altered gene expressions during the process of esophageal squamous cell carcinogenesis in the rat: a study combined with a laser microdissection and a cDNA microarray

Cancer Res 65(2): 401-409 (2005)

<http://cancerres.aacrjournals.org/content/65/2/401.long>

Nishida N, Nagahara M, Sato T, Mimori K, Sudo T, Tanaka F, Shibata K, Ishii H, Sugihara K, Doki Y, Mori M:

Microarray analysis of colorectal cancer stromal tissue reveals upregulation of two oncogenic microRNA clusters.

Clin Cancer Res. 2012 Mar 27. [Epub ahead of print]

<http://clincancerres.aacrjournals.org/content/early/2012/03/26/1078-0432.CCR-11-1078.abstract>

Nishimoto K, Harris RB, Rainey WE, Seki T:

Sodium Deficiency Regulates Rat Adrenal Zona Glomerulosa Gene Expression

Endocrinology. 2014 Jan 14;en20131999.

http://press.endocrine.org/doi/abs/10.1210/en.2013-1999?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed

Nishimura H, Yoshimura M, Shimizu M, Sanada K, Sonoda S, Nishimura K, Baba K, Ikeda N, Motojima Y, Maruyama T, Nonaka Y, Baba R, Onaka T, Horishita T, Morimoto H, Yoshida Y, Kawasaki M, Sakai A, Muratani M, Conway-Campbell B, Lightman S, Ueta Y:

Endogenous oxytocin exerts anti-nociceptive and anti-inflammatory effects in rats

Commun Biol. 2022 Sep 5;5(1):907. doi: 10.1038/s42003-022-03879-8.

<https://www.nature.com/articles/s42003-022-03879-8>

Nishimura R, Nishioka S, Fujisawa I, Shiku H, Shimada M, Sekiguchi S, Fujimori K, Ushiyama A, Matsue T, Ohuchi N, Satomi S, Goto M:

Tacrolimus Inhibits the Revascularization of Isolated Pancreatic Islets

PLoS ONE 8(4): e56799. doi:10.1371/journal.pone.0056799

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0056799>

Nishioka T, Arima N, Kano K, Hama K, Itai E, Yukiura H, Kise R, Inoue A, Kim SH, Solnica-Krezel L, Moolenaar WH, Chun J, Aoki J:

ATX-LPA1 axis contributes to proliferation of chondrocytes by regulating fibronectin assembly leading to proper cartilage formation

Sci Rep. 2016 Mar 23;6:23433. doi: 10.1038/srep23433.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4804234/>

Nijssen J:

Inter-and intracellular resistance and vulnerability in motor neuron diseases

Thesis, 2020

<https://openarchive.ki.se/xmlui/handle/10616/47164>

Nitz JK:

Charakterisierung ausgewählter Genexpressionsmuster im porcinen Uterus und Ovar nach unilateraler, intrauteriner Infusion von Seminalplasma

Dissertation, 2013 (German language)

<http://d-nb.info/103787725X/34>

Nizzardo M, Taiana M, Rizzo F, Aguila Benitez J, Nijssen J, Allodi I, Melzi V, Bresolin N, Comi GP, Hedlund E, Corti S:

Synaptotagmin 13 is neuroprotective across motor neuron diseases

Acta Neuropathol. 2020 Feb 17. doi: 10.1007/s00401-020-02133-x.

<https://link.springer.com/article/10.1007/s00401-020-02133-x>

Noelke J, Wistuba J, Damm OS, Fietz D, Gerber J, Gaehle M, Brehm R:

A Sertoli cell-specific connexin43 knockout leads to altered interstitial connexin expression and increased Leydig cell numbers

Cell Tissue Res. 2015 Feb 19

<http://dx.doi.org/10.1007/s00441-015-2126-7>

Noguchi R, Yamaguchi K, Yano H, Gohda Y, Kiyomatsu T, Ota Y, Igari T, Takahashi N, Ohsugi T, Takane K, Ikenoue T, Niida A, Shimizu E, Yamaguchi R, Miyano S, Imoto S, Furukawa Y:

Cell of origin and expression profiles of pseudomyxoma peritonei derived from the appendix

Pathol Res Pract. 2024 Dec 21;266:155776. doi: 10.1016/j.prp.2024.155776.

<https://doi.org/10.1016/j.prp.2024.155776>

Nonn L, Vaishnav A, Gallagher L, Gann PH:

mRNA and micro-RNA expression analysis in laser-capture microdissected prostate biopsies: valuable tool for risk assessment and prevention trials

Exp Mol Pathol. 2010 Feb;88(1):45-51

<http://www.ncbi.nlm.nih.gov/pmc/articles/pmid/19874819/?tool=pubmed>

Northeast RC, Chrobok L, Hughes ATL, Petit C, and Piggins HD:

Keeping time in the lamina terminalis: Novel oscillator properties of forebrain sensory circumventricular organs

The FASEB Journal, 15 Oct 2019, DOI: 10.1096/fj.201901111R

<https://onlinelibrary.wiley.com/doi/pdf/10.1096/fj.201901111R>

Norwig C:

Expression profile of tight junction proteins in streptozocin-induced polyneuropathy in rats

Thesis, 2021, German language

[https://opus.bibliothek.uni-wuerzburg.de/opus4-](https://opus.bibliothek.uni-wuerzburg.de/opus4-wuerzburg/frontdoor/deliver/index/docId/26089/file/Norwig_Carla_Dissertation.pdf)

[wuerzburg/frontdoor/deliver/index/docId/26089/file/Norwig_Carla_Dissertation.pdf](https://opus.bibliothek.uni-wuerzburg.de/opus4-wuerzburg/frontdoor/deliver/index/docId/26089/file/Norwig_Carla_Dissertation.pdf)

Nozaki F, Nakanishi Y, Taninio T, Ochi T, In R, Kajiura Y, Kida K, Takei J, Yoshida A, Kanomata N, Kitano A, Yamauchi H, Masuda S:

Breast cancer occurring during pregnancy of Luminal A type overexpressed CXCL13

Research Square, 26. Jul 2023, DOI: <https://doi.org/10.21203/rs.3.rs-3145411/v1>

<https://doi.org/10.21203/rs.3.rs-3145411/v1>

Nuthikattu S, Milenkovic D, Rutledge JC, Villablanca AC:

Lipotoxic Injury Differentially Regulates Brain Microvascular Gene Expression in Male Mice

Nutrients. 2020 Jun 13;12(6):E1771. doi: 10.3390/nu12061771.

<https://www.mdpi.com/resolver?pii=nu12061771>

Nuthikattu S, Milenkovic D, Rutledge J, Villablanca A

The Western Diet Regulates Hippocampal Microvascular Gene Expression: An Integrated Genomic Analyses in Female Mice.

Sci Rep. 2019 Dec 13;9(1):19058. doi: 10.1038/s41598-019-55533-9.

<http://dx.doi.org/10.1038/s41598-019-55533-9>

O'Brien, P.M., Millan, D.W., Davis, J.A., and Campo, M.S.:

In situ isolation of immunoglobulin sequences expressed by single tumor-infiltrating B cells using laser-assisted microdissection

Mol Biotechnol 29(2): 101-109 (2005)

<http://www.springerlink.com/content/p114h31ru1441kw2/>

Oda W, Fujita Y, Baba K, Mochizuki H, Niwa H, Yamashita T:

Inhibition of repulsive guidance molecule-a protects dopaminergic neurons in a mouse model of Parkinson's disease

Cell Death Dis. 2021 Feb 15;12(2):181. doi: 10.1038/s41419-021-03469-2.

<https://www.nature.com/articles/s41419-021-03469-2>

Öhlund M, Franzen P, Andersson G, Holst BS, Lau J:

Laser Microdissection of Pancreatic Islets Allows for Quantitative Real-Time PCR Detection of Islet-Specific Gene Expression in Healthy and Diabetic Cats

Journal of Gastroenterology, Pancreatology & Liver Disorders

[http://www.researchgate.net/publication/270816898_Laser_Microdissection_of_Pancreatic_Islets_Allows_for_Quantitative_Real-Time_PCR_Detection_of_Islet-](http://www.researchgate.net/publication/270816898_Laser_Microdissection_of_Pancreatic_Islets_Allows_for_Quantitative_Real-Time_PCR_Detection_of_Islet-Specific_Gene_Expression_in_Healthy_and_Diabetic_Cats_Amyloid)

[Specific_Gene_Expression_in_Healthy_and_Diabetic_Cats_Amyloid](http://www.researchgate.net/publication/270816898_Laser_Microdissection_of_Pancreatic_Islets_Allows_for_Quantitative_Real-Time_PCR_Detection_of_Islet-Specific_Gene_Expression_in_Healthy_and_Diabetic_Cats_Amyloid)

Ogawa, K., Asamoto, M., Suzuki, S., Tsujimura, K., and Shirai, T.:

Downregulation of apoptosis revealed by laser microdissection and cDNA microarray analysis of related genes in rat liver preneoplastic lesions

Med Mol Morphol 38(1): 23-29 (2005)

<http://www.springerlink.com/content/x70117321m2u095r/>

Oh H, Newton D, Lewis D, Sibille E:

Lower Levels of GABAergic Function Markers in Corticotropin-Releasing Hormone-Expressing Neurons in the sgACC of Human Subjects With Depression

Front Psychiatry. 2022 Feb 25;13:827972. doi: 10.3389/fpsy.2022.827972. eCollection 2022.

<https://www.frontiersin.org/articles/10.3389/fpsy.2022.827972/full>

Ohkawara B, Kurokawa M, Kanai A, Imamura K, Chen G, Zhang R, Masuda A, Higashi K, Mori H, Suzuki Y, Kurokawa K, Ohno K:

Transcriptome profile of subsynaptic myonuclei at the neuromuscular junction in embryogenesis

J Neurochem. 2023 Nov 23. doi: 10.1111/jnc.16013.

<https://doi.org/10.1111/jnc.16013>

Oichi T, Kodama J, Wilson K, Tian H, Imamura Y, Usami Y, Oshima Y, Saito T, Tanaka S, Iwamoto M, Otsuru S, Iwamoto-Enomoto M:

Nutrient-regulated dynamics of chondroprogenitors in the postnatal murine growth plate

bioRxiv preprint doi: 10.1101/2023.01.20.524764; January 21, 2023

<https://doi.org/10.1101/2023.01.20.524764>

Oichi T, Taniguchi Y, Soma K, Oshima Y, Yano F, Mori Y, Chijimatsu R, Kim-Kaneyama JR, Tanaka S, Saito T

Adamts17 is involved in skeletogenesis through modulation of BMP-Smad1/5/8 pathway

Cell Mol Life Sci. 2019 Jun 14. doi: 10.1007/s00018-019-03188-0.

<https://dx.doi.org/10.1007/s00018-019-03188-0>

Okada T, Hu Y, Tucker MR, Taylor JM, Johnson SD, Spriggs A, Tsuchiya T, Oelkers K, Rodrigues JC, Koltunow AM:

Enlarging cells initiating apomixis in Hieracium praealtum transition to an embryo sac program prior to entering mitosis

Plant Physiol. 2013 Jul 17.

<http://www.plantphysiol.org/cgi/pmidlookup?view=long&pmid=23864557>

Okami N, Wakui H, Tanaka S, Kobayashi R, Tsukamoto S, Taguchi S, Morita R, Kubo E, Yamashita A, Azushima K, Tamura K:

Effects of proximal tubule-specific ATRAP enhancement on hypertension in a remnant kidney chronic kidney disease model of mice

Sci Rep. 2025 Jul 28;15(1):27391. doi: 10.1038/s41598-025-12168-3.

<https://doi.org/10.1038/s41598-025-12168-3>

Okamoto K, Emura N, Sato H, Fukatsu Y, Saito M, Tanaka C, Morita Y, Nishimura K, Kuramoto E, Xu Yin D, Furutani K, Okazawa M, Kurachi Y, Kaneko T, Maeda Y, Yamashiro T, Takada K, Toyoda H, Kang Y :

The possible role of TASK channels in rank-ordered recruitment of motoneurons in the dorsolateral part of the trigeminal motor nucleus

Eneuro, 016/07/07, doi: 10.1523/ENEURO.0138-16.2016

<http://eneuro.org/content/early/2016/07/07/ENEURO.0138-16.2016.abstract>

Okano K, Saratani Y, Tamasawa A, Shoji Y, Toda R, Okano T:

A photoperiodic time measurement served by the biphasic expression of Cryptochrome1ab in the zebrafish eye

Sci Rep. 2020 Mar 19;10(1):5056. doi: 10.1038/s41598-020-61877-4.

<https://www.nature.com/articles/s41598-020-61877-4.pdf>

Okino E, Morita S, Hoshikawa Y, Tsukahara S:

The glutamatergic system in the preoptic area is involved in the retention of maternal behavior in maternally experienced female rats

Psychoneuroendocrinology. 2020 Jul 6;120:104792. doi: 10.1016/j.psyneuen.2020.104792.

<http://www.sciencedirect.com/science/article/pii/S0306453020302134>

Olauson H, Lindberg K, Amin R, Sato T, Jia T, Goetz R, Mohammadi M, Andersson G, Lanske B, Larsson TE:

Parathyroid-Specific Deletion of Klotho Unravels a Novel Calcineurin-Dependent FGF23 Signaling Pathway That Regulates PTH Secretion

PLoS Genet. 2013 Dec;9(12):e1003975. doi: 10.1371/journal.pgen.1003975. Epub 2013 Dec 12.

<http://www.plosgenetics.org/article/info%3Adoi%2F10.1371%2Fjournal.pgen.1003975#pgen-1003975-g005>

Olmstead DN, Mesnard-Hoaglin NA, Batka RJ, Haulcomb MM, Miller WM, Jones KJ:

Facial nerve axotomy in mice: a model to study motoneuron response to injury

J Vis Exp. 2015 Feb 23;(96). doi: 10.3791/52382

<http://www.jove.com/video/52382/facial-nerve-axotomy-mice-model-to-study-motoneuron-response-to>

Olsen Hult LT, Kleiveland CR, Fosnes K, Jacobsen M, Lea T:

EP Receptor Expression in Human Intestinal Epithelium and Localization Relative to the Stem Cell Zone of the Crypts

PLoS ONE 6(10): e26816. doi:10.1371/journal.pone.0026816 (2011)

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0026816>

Olszewski K:

Differentielle Genexpressionsanalysen aus Muskeleinzelfasern bei mitochondrialen Myopathien

Thesis (German only), 2018

https://edoc.ub.uni-muenchen.de/23376/1/Olszewski_Konrad.pdf

Olver, C.S.:

Laser Capture Microdissection of Tertiary Lymphoid Structures from Formalin-Fixed Paraffin-Embedded Sections of Canine Cutaneous and Subcutaneous Sarcomas for NanoString Direct RNA Counting

Dieu-Nosjean, MC. (eds) Tertiary Lymphoid Structures. Methods in Molecular Biology, vol 2864. Humana, New York, NY (2025).

https://doi.org/10.1007/978-1-0716-4184-2_7

O'Mahony EM, Tay WT, Paxton RJ:

Multiple rRNA variants in a single spore of the microsporidian *Nosema bombi*

J Eukaryot Microbiol. 2007 Jan-Feb;54(1):103-9.

<http://dx.doi.org/10.1111/j.1550-7408.2006.00232.x>

O'Malley KJ, Dhir R, Nelson JB, Bost J, Lin Y, Wang Z:

The expression of androgen-responsive genes is up-regulated in the epithelia of benign prostatic hyperplasia

Prostate. 2009 Dec 1;69(16):1716-23. doi: 10.1002/pros.21034.

<http://dx.doi.org/10.1002/pros.21034>

Omatsu-Kanbe M, Nozuchi N, Nishino Y, Mukaisho KI, Sugihara H, Matsuura H:

Identification of cardiac progenitors that survive in the ischemic human heart after ventricular myocyte death

Sci Rep. 2017 Jan 25;7:41318. doi: 10.1038/srep41318.

<http://dx.doi.org/10.1038/srep41318>

Ong Q, Sakashita S, Hanawa E, Kaneko N, Noguchi M, and Muratani M:

Integrative RNA-Seq and H3 Trimethylation ChIP-Seq Analysis of Human Lung Cancer Cells Isolated by Laser-Microdissection

Cancers 2021, 13(7), 1719; <https://doi.org/10.3390/cancers13071719>

<https://www.mdpi.com/2072-6694/13/7/1719>

Ono-Minagi H, Nohno T, Takabatake K, Tanaka T, Katsuyama T, Miyawaki K, Wada J, Ibaragi S, Iida S, Yoshino T, Nagatsuka H, Sakai T, Ohuchi H:

Histological differences related to autophagy in the minor salivary gland between primary and secondary types of Sjögren's syndrome

BMC Oral Health. 2024 Sep 16;24(1):1099. doi: 10.1186/s12903-024-04869-4.

<https://doi.org/10.1186/s12903-024-04869-4>

Orrù C, Perra A, Kowalik MA, Rizzolio S, Puliga E, Cabras L, Giordano S, Columbano A:

Distinct Mechanisms Are Responsible for Nrf2-Keap1 Pathway Activation at Different Stages of Rat Hepatocarcinogenesis

Cancers (Basel). 2020 Aug 16;12(8):E2305. doi: 10.3390/cancers12082305.

<https://www.mdpi.com/2072-6694/12/8/2305/htm>

Oshima H, Ishikawa T, Yoshida GJ, Naoi K, Maeda Y, Naka K, Ju X, Yamada Y, Minamoto T, Mukaida N, Saya H, Oshima M:

TNF- α /TNFR1 signaling promotes gastric tumorigenesis through induction of Noxo1 and Gna14 in tumor cells

Oncogene. 2013 Aug 26. doi: 10.1038/onc.2013.356.

<http://www.nature.com/onc/journal/vaop/ncurrent/full/onc2013356a.html>

Osnato M, Lacchini E, Pilatone A, Dreni L, Grioni A, Chiara M, Horner D, Pelaz S, Kater MM:

Transcriptome analysis reveals rice OsMADS13 as an important repressor of the carpel development pathway in ovules

J Exp Bot. 2020 Oct 9;eraa460. doi: 10.1093/jxb/eraa460.

<https://academic.oup.com/jxb/advance-article-abstract/doi/10.1093/jxb/eraa460/5920377>

Ougaard ME, Sembach FE, Jensen HE, Pyke C, Knudsen LB, Kvist PH:

Liraglutide Improves the Kidney Function in a Murine Model of Chronic Kidney Disease

Nephron. 2020 Sep 2;1-12. doi: 10.1159/000509418.

<https://www.karger.com/?DOI=10.1159/000509418>

Ougaard ME, Sembach FE, Kvist PH, Tonnesen M, Frederiksen KS, Egjford M, Jensen HE, Galsgaard ED

Temporal Regulation of Glomerular and Cortical Tubulointerstitial Genes Involved in the Development of Nephrotoxic Serum Nephritis

Nephron. 2018;140(3):218-230. doi: 10.1159/000492294.

<https://www.karger.com/Article/Abstract/492294>

Ozawa H, Iwatsuki M, Mimori K, Sato T, Johansson F, Toh H, Watanabe M, Mori M:

FANCD2 mRNA overexpression is a bona fide indicator of lymph node metastasis in human colorectal cancer

Ann Surg Oncol. 2010 Sep;17(9):2341-8. Epub 2010 Mar 26.

<http://www.springerlink.com/content/45444108t4327750/>

Paasch TP, Jarlstad Olesen MT, García-Rodríguez JL, Assmus AM, Fenton RA, Kjems J, Hager H, Kristensen LS:

ciRS-7 expression is epigenetically regulated in cancer cells across human adenocarcinomas

PLoS Genet. 2025 Jun 2;21(6):e1011726. doi: 10.1371/journal.pgen.1011726.

<https://doi.org/10.1371/journal.pgen.1011726>

Palladino SP, Helton ES, Jain P, Dong C, Crowley MR, Crossman DK, Ubogu EE:

The Human Blood-Nerve Barrier Transcriptome

Sci Rep. 2017 Dec 12;7(1):17477. doi: 10.1038/s41598-017-17475-y.

<https://www.nature.com/articles/s41598-017-17475-y.pdf>

Paping A, Basler C, Ehrlich L, Fasting C, Melchior K, Ziska T, Thiele M, Duda GN, Timm S, Ochs M, Rancourt RC, Henrich W, Braun T:

Uterine scars after caesarean delivery: From histology to the molecular and ultrastructural level

Wound Repair Regen. 2023 Nov 13. doi: 10.1111/wrr.13127.

<https://doi.org/10.1111/wrr.13127>

Paping A, Basler C, Rancourt RC, Ehrlich L, Melchior K, Henrich W, Braun T:

Optimized RNA isolation of FFPE uterine scar tissues for RNA expression analyses delineated by laser microdissection

Biotechniques. 2022 May 12. doi: 10.2144/btn-2022-0026.

<https://www.future-science.com/doi/10.2144/btn-2022-0026>

Pareek S, Sanchenkova X, Sakaguchi T, Murakami M, Okumura R, Kayama H, Kawauchi S, Motooka D, Nakamura S, Okuzaki D, Kishimoto T, Takeda K:

Epithelial miR-215 negatively modulates Th17-dominant inflammation by inhibiting CXCL12 production in the small intestine

Genes Cells. 2022 Jan 25. doi: 10.1111/gtc.12922.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/gtc.12922>

Parillaud VR, Lornet G, Monnet Y, Privat AL, Haddad AT, Brochard V, Bekaert A, de Chanville CB, Hirsch EC, Combadière C, Hunot S, Lobsiger CS:

Analysis of monocyte infiltration in MPTP mice reveals that microglial CX3CR1 protects against neurotoxic over-induction of monocyte-attracting CCL2 by astrocytes

J Neuroinflammation. 2017 Mar 21;14(1):60. doi: 10.1186/s12974-017-0830-9.

<https://jneuroinflammation.biomedcentral.com/articles/10.1186/s12974-017-0830-9>

Park H, Patel A, Hunt KA, Henson MA, Carlson RP:

Artificial consortium demonstrates emergent properties of enhanced cellulosic-sugar degradation and biofuel synthesis

NPJ Biofilms Microbiomes. 2020 Dec 2;6(1):59. doi: 10.1038/s41522-020-00170-8.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7710750/>

Park, J.S., Onodera, T., Nishimura, S., Thompson, R.F., and Itohara, S.:

Molecular evidence for two-stage learning and partial laterality in eyeblink conditioning of mice

Proc Natl Acad Sci U S A 103(14): 5549-5554 (2006)

<http://www.pnas.org/content/103/14/5549.long>

Pascal LE, Ai J, Masoodi KZ, Wang Y, Wang D, Eisermann K, Rigatti LH, O'Malley KJ, Ma HM, Wang X, Dar JA, Parwani AV, Simons BW, Ittman MM, Li L, Davies BJ, Wang Z:

Development of a Reactive Stroma Associated with Prostatic Intraepithelial Neoplasia in EAF2 Deficient Mice

PLoS One. 2013 Nov 18;8(11):e79542.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0079542>

Pascal LE, Su F, Wang D, Ai J, Song Q, Wang Y, O'Malley KJ, Cross B, Rigatti LH, Green A, Dhir R, Wang Z:

Conditional Deletion of Eaf1 Induces Murine Prostatic Intraepithelial Neoplasia in Mice

Neoplasia. 2019 Aug;21(8):752-764. doi: 10.1016/j.neo.2019.05.005.#

[https://linkinghub.elsevier.com/retrieve/pii/S1476-5586\(19\)30140-X](https://linkinghub.elsevier.com/retrieve/pii/S1476-5586(19)30140-X)

Paß T, Ricke KM, Hofmann P, Chowdhury RS, Nie Y, Chinnery P, Endepols H, Neumaier B, Carvalho A, Rigoux L, Steculorum SM, Prudent J, Riemer T, Aswendt M, Liss B, Brachvogel B, Wiesner RJ:

Preserved striatal innervation maintains motor function despite severe loss of nigral dopaminergic neurons

Brain. 2024 Apr 4;awae089. doi: 10.1093/brain/awae089.

<https://doi.org/10.1093/brain/awae089>

Pastò A, Marchesi M, Diamantini A, Frasson C, Curtarello M, Lago C, Pilotto G, Parenti AR, Esposito G, Agostini M, Nitti D, Amadori A:

PKH26 Staining Defines Distinct Subsets of Normal Human Colon Epithelial Cells at Different Maturation Stages

PLoS ONE 7(8): e43379. doi:10.1371/journal.pone.0043379

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0043379>

Patnaik SK, Kannisto E, Yendamuri S

Factors affecting the yield of microRNAs from laser microdissectates of formalin-fixed tissue sections

BMC Res Notes. 2012 Jan 19;5(1):40

<http://www.biomedcentral.com/1756-0500/5/40>

Patnaik KS, Kannisto E, Mallick R, and Yendamuri S:

Overexpression of the Lung Cancer-Prognostic miR-146b MicroRNAs Has a Minimal and Negative Effect on the Malignant Phenotype of A549 Lung Cancer Cells

PLoS ONE 6(7): e22379

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0022379>

Patnaik S, Mallick R, Kannisto E, Sharma R, Bshara W, Yendamuri S, Dhillon SS:

MiR-205 and MiR-375 MicroRNA Assays to Distinguish Squamous Cell Carcinoma from Adenocarcinoma in Lung Cancer Biopsies

J Thorac Oncol. 2015 Mar;10(3):446-53. doi: 10.1097/JTO.0000000000000423.

<http://meta.wkhealth.com/pt/pt-core/template-journal/wwwgateway/media/landingpage.htm?issn=1556-0864&volume=10&issue=3&spage=446>

Patterson J, Kochmanski J, Stoll A, Kubik M, Kemp C, Duffy M, Thompson K, Howe J, Cole-Strauss A, Kuhn N, Miller K, Nelson S, Onyekpe C, Beck J, Counts S, Bernstein A, Steece-Collier K, Luk K, Sortwell C :

Transcriptomic Profiling of Early Synucleinopathy in Rats Induced with Preformed Fibrils

Research Square, 18 Aug 2023

<https://doi.org/10.21203/rs.3.rs-3253289/v1>

Paul ED, Huraiová B, Valková N, Matyasovska N, Gábrišová D, Gubová S, Ignačáková H, Ondris T, Gala M, Barroso L, Bendíková S, Bíla J, Buranovská K, Drobná D, Krchňáková Z, Kryvokhyzha M, Lovíšek D, Mamoiyk V, Mancikova V, Vojtaššáková N, Ristová M, Comino-Méndez I, Andrašina I, Morozov P, Tuschl T, Pareja F, Kather JN & Čekan P:

The spatially informed mFISHseq assay resolves biomarker discordance and predicts treatment response in breast cancer

Nat Commun 16, 226 (2025 Jan 2).

<https://doi.org/10.1038/s41467-024-55583-2>

Pavlič A, Boštjančič E, Kavalár R, Ilijevec B, Bonin S, Zanconati F, Zidar N:

Tumour budding and poorly differentiated clusters in colon cancer – different manifestations of partial epithelial-mesenchymal transition

The Journal of Pathology, 06 Aug 2022

<https://doi.org/10.1002/path.5998>

Pavlič A, Urh K, Boštjančič E, Zidar N:

Analyzing the invasive front of colorectal cancer – by punching tissue block or laser capture microdissection?

Research Square, 26th June 2023

<https://doi.org/10.21203/rs.3.rs-3071443/v1>

Pavličev M, Wagner GP, Chavan AR, Owens K, Maziarz J, Dunn-Fletcher C, Kallapur SG, Muglia L, Jones H:

Single-cell transcriptomics of the human placenta: inferring the cell communication network of the maternal-fetal interface

Genome Res. 2017 Feb 7. doi: 10.1101/gr.207597.116.

<http://genome.cshlp.org/cgi/pmidlookup?view=long&pmid=28174237>

Payne Ondracek R, Cheng J, Gangavarapu KJ, Azabdaftari G, Woltz J, Brese E, Omilian A, Bshara W, Huss WJ, Mohler JL, Marshall JR:

Impact of devascularization and tissue procurement on cell number and RNA integrity in prostatectomy tissue

Prostate. 2015 Sep 9. doi: 10.1002/pros.23087.

<http://dx.doi.org/10.1002/pros.23087>

Pazin DE, Gamer LW, Capelo LP, Cox KA, Rosen V:

Gene signature of the embryonic meniscus

J. Orthop. Res., 1554-527X, 10.1002/jor.22490, 2013

<http://dx.doi.org/10.1002/jor.22490>

Peiris-Pagès M, Ozsvári B, Sotgia F, Lisanti MP:

Mitochondrial and ribosomal biogenesis are new hallmarks of stemness, oncometabolism and biomass accumulation in cancer: Mito-stemness and ribo-stemness features

Aging (Albany NY). 2019 Jul 16. doi: 10.18632/aging.102054.

<https://www.impactaging.com/full/102054>

Pelletier JM, Chen M, Lin J-Y, Le B, Kirkbride RC, Hur J, Wang T, Chang S-H, Olson A, Nikolov L, Goldberg RB, and Harada JJ:

Dissecting the cellular architecture and genetic circuitry of the soybean seed

PNAS, 30 dec 2024, Vol. 122, No. 1, e2416987121

<https://doi.org/10.1073/pnas.2416987121>

Pelletier JM, Kwong RW, Park S, Le BH, Baden R, Cagliari A, Hashimoto M, Munoz MD, Fischer RL, Goldberg RB, Harada JJ:

LEC1 sequentially regulates the transcription of genes involved in diverse developmental processes during seed development

Proc Natl Acad Sci U S A. 2017 Aug 8;114(32):E6710-E6719. doi: 10.1073/pnas.1707957114. Epub 2017 Jul 24.

<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=28739919>

Pereira M, Birtele M, Shrigley S, Benitez JA, Hedlund E, Parmar M, Ottosson DR:

Direct Reprogramming of Resident NG2 Glia into Neurons with Properties of Fast-Spiking Parvalbumin-Containing Interneurons

Stem Cell Reports. 2017 Aug 22. pii: S2213-6711(17)30333-8. doi: 10.1016/j.stemcr.2017.07.023.

<http://www.sciencedirect.com/science/article/pii/S2213671117303338>

Perilli L, Pizzini S, Bisognin A, Mandruzzato S, Biasiolo M, Faccioli A, Rossi E, Esposito G, Rugge M, Pilati P, Mocellin S, Nitti D, Bortoluzzi S, and Zanovello P:

Human miRNome profiling in colorectal cancer and liver metastasis development

Genomics Data (2014) GDATA-00060

<http://www.sciencedirect.com/science/article/pii/S2213596014000506>

Perotto S, Rodda M, Benetti A, Sillo F, Ercole E, Rodda M, Girlanda M, Murat C, Balestrini R:
Gene expression in mycorrhizal orchid protocorms suggests a friendly plant-fungus relationship
Planta. 2014 Apr 24.
<http://dx.doi.org/10.1007/s00425-014-2062-x>

Perros, F., Dorfmüller, P., Souza, R., Durand-Gasselin, I., Godot, V., Capel, F., Adnot, S., Eddahibi, S., Mazmanian, M., Fadel, E., Herve, P., Simonneau, G., Emilie, D., and Humbert, M.:
Fractalkine-induced smooth muscle cell proliferation in pulmonary hypertension
Eur Respir J 29(5): 937-943 (2007)
<http://erj.ersjournals.com/content/29/5/937.long>

Petrelli A, Perra A, Cora D, Sulas P, Menegon S, Manca C, Migliore C, Kowalik MA, Ledda-Columbano GM, Giordano S, Columbano A:
MiRNA/gene profiling unveils early molecular changes and NRF2 activation in a rat model recapitulating human HCC
Hepatology. 2013 Jul 15. doi: 10.1002/hep.26616.
<http://dx.doi.org/10.1002/hep.26616>

Petrželková L:
Vývoj cirkadiánního systému potkana v podmínkách stálého světla
Development of the rat circadian system under constant light conditions
Diploma thesis (Czech language), 2021
<https://dspace.cuni.cz/bitstream/handle/20.500.11956/126237/120385436.pdf>

Petrelli A, Perra A, Schernhuber K, Cargnelutti M, Salvi A, Migliore C, Ghiso E, Benetti A, Barlati S, Ledda-Columbano GM, Portolani N, De Petro G, Columbano A and Giordano S:
Sequential analysis of multistage hepatocarcinogenesis reveals that miR-100 and PLK1 dysregulation is an early event maintained along tumor progression
Oncogene, (16 January 2012) | doi:10.1038/onc.2011.631
<http://www.nature.com/onc/journal/vaop/ncurrent/full/onc2011631a.html>

Petrescu AD, Grant S, Williams E, Frampton G, Reinhart EH, Nguyen A, An S, McMillin M, DeMorrow S:
Ghrelin reverses ductular reaction and hepatic fibrosis in a rodent model of cholestasis
Sci Rep. 2020 Sep 29;10(1):16024. doi: 10.1038/s41598-020-72681-5.
<https://www.nature.com/articles/s41598-020-72681-5>

Pham VC, Rödel CJ, Valentino M, Malinverno M, Paolini A, Münch J, Pasquier C, Onyeogaziri FC, Lazovic B, Girard R, Koskimäki J, Hußmann M, Keith B, Jachimowicz D, Kohl F, Hagelkruys A, Penninger JM, Schulte-Merker S, Awad IA, Hicks R, Magnusson PU, Faurobert E, Pagani M, Abdelilah-Seyfried S:
Epigenetic regulation by polycomb repressive complex 1 promotes cerebral cavernous malformations
EMBO Mol Med. 2024 Oct 14. doi: 10.1038/s44321-024-00152-9.
<https://doi.org/10.1038/s44321-024-00152-9>

Phillipps HR, Ladyman SR, and Grattan DR:
Maintained expression of genes associated with metabolism in the ventromedial hypothalamic nucleus despite development of leptin resistance during pregnancy in the rat
Physiological Reports ISSN 2051-817X
<http://onlinelibrary.wiley.com/doi/10.1002/phy2.162/pdf>

Phulwinder K. Grover, Adrian G. Cummins, Timothy J. Price, Ian C. Roberts-Thomson, Jennifer E. Hardingham:
A simple, cost-effective and flexible method for processing of snap-frozen tissue to prepare large amounts of intact RNA using laser microdissection

Biochimie, Available online 10 July 2012, ISSN 0300-9084, 10.1016/j.biochi.2012.06.031
<http://www.sciencedirect.com/science/article/pii/S0300908412002660?v=s5>

Pieczora L, Stracke L, Vorgerd M, Hahn S, Theiss C, Theis V:
Unveiling of miRNA Expression Patterns in Purkinje Cells During Development
Cerebellum. 2016 Jul 7.
<http://dx.doi.org/10.1007/s12311-016-0814-9>

Pierre JF, Peters BM, La Torre D, Sidebottom AM, Tao Y, Zhu X, Cham CM, Wang L, Kambal A, Harris KG, Silva JF, Zaborina O, Alverdy JC, Herzog H, Witchley J, Noble SM, Leone VA, Chang EB:
Peptide YY: A Paneth cell antimicrobial peptide that maintains Candida gut commensalism
Science. 2023 Aug 4;381(6657):502-508. doi: 10.1126/science.abq3178.
<https://doi.org/10.1126/science.abq3178>

Pietersen CY, Lim MP, Macey L, Woo TU, Sonntag KC:
Neuronal type-specific gene expression profiling and laser-capture microdissection
Methods Mol Biol. 2011;755:327-43
<http://www.springerlink.com/content/u2001817462422k1/#section=924892&page=2&locus=77>

Pirrello C, Malacarne G, Moretto M, Lenzi L, Perazzolli M, Zeilmaker T, Van den Ackerveken G, Pilati S, Moser C, Giacomelli L:
Grapevine DMR6-1 Is a Candidate Gene for Susceptibility to Downy Mildew
Biomolecules. 2022; 12(2):182. <https://doi.org/10.3390/biom12020182>
<https://www.mdpi.com/2218-273X/12/2/182>

Pisano A, Le Pera L, Carletti R, Cerbelli B, Pignataro MG, Pernazza A, Ferre F, Lombardi M, Lazzeroni D, Olivotto I, Rimoldi OE, Foglieni C, Camici PG, d'Amati G:
RNA-seq profiling reveals different pathways between remodelled vessels and myocardium in Hypertrophic Cardiomyopathy
Microcirculation. 2022 Oct 5:e12790. doi: 10.1111/micc.12790.
<https://doi.org/10.1111/micc.12790>

Pizzini S, Bisognin A, Mandruzzato S, Biasiolo M, Faccioli A, Perilli L, Rossi E, Esposito G, Rugge M, Pilati P, Mocellin S, Nitti D, Bortoluzzi S, Zanovello P:
Impact of microRNAs on regulatory networks and pathways in human colorectal carcinogenesis and development of metastasis
BMC Genomics. 2013 Aug 29;14(1):589.
<http://www.biomedcentral.com/1471-2164/14/589>

Poppe M, Wittig S, Jurida L, Bartkuhn M, Wilhelm J, Müller H, Beuerlein K, Karl N, Bhuju S, Ziebuhr J, Schmitz ML, Kracht M:
The NF- κ B-dependent and -independent transcriptome and chromatin landscapes of human coronavirus 229E-infected cells
PLoS Pathog. 2017 Mar 29;13(3):e1006286. doi: 10.1371/journal.ppat.1006286.
<http://journals.plos.org/plospathogens/article?id=10.1371/journal.ppat.1006286>

Priatama RA, Heo J, Kim SH, Rajendran S, Yoon S, Jeong D-H, Choo Y-K, Bae JH, Kim CM, Lee YH, Demura T, Lee YK, Choi E-Y, Han C-d and Park SJ:
Narrow Ipa1 Metaxylems Enhance Drought Tolerance and Optimize Water Use for Grain Filling in Dwarf Rice
Front. Plant Sci. 13:894545. (10 May 2022), doi: 10.3389/fpls.2022.894545
<https://www.frontiersin.org/articles/10.3389/fpls.2022.894545/full>

Prieto-Vila M, Usuba W, Yoshioka Y, Takeshita F, Yoshiike M, Sasaki H, Yamamoto Y, Kikuchi E, Ochiya T:

High-grade bladder cancer cells secrete extracellular vesicles containing miRNA-141a-3p and promotes angiogenesis

J of Extracellular Bio. 2022;1:e47. DOI: 10.1002/jex2.47

<https://doi.org/10.1002/jex2.47>

Puchalski RB, Shah N, Miller J, Dalley R, Nomura SR, Yoon JG, Smith KA, Lankerovich M, Bertagnolli D, Bickley K, Boe AF, Brouner K, Butler S, Caldejon S, Chapin M, Datta S, Dee N, Desta T, Dolbeare T, Dotson N, Ebbert A, Feng D, Feng X, Fisher M, Gee G, Goldy J, Gourley L, Gregor BW, Gu G, Hejazinia N, Hohmann J, Hothi P, Howard R, Joines K, Kriedberg A, Kuan L, Lau C, Lee F, Lee H, Lemon T, Long F, Mastan N, Mott E, Murthy C, Ngo K, Olson E, Reding M, Riley Z, Rosen D, Sandman D, Shapovalova N, Slaughterbeck CR, Sodt A, Stockdale G, Szafer A, Wakeman W, Wohnoutka PE, White SJ, Marsh D, Rostomily RC, Ng L, Dang C, Jones A, Keogh B, Gittleman HR, Barnholtz-Sloan JS, Cimino PJ, Uppin MS, Keene CD, Farrokhi FR, Lathia JD, Berens ME, Iavarone A, Bernard A, Lein E, Phillips JW, Rostad SW, Cobbs C, Hawrylycz MJ, Foltz GD:

An anatomic transcriptional atlas of human glioblastoma

Science. 2018 May 11;360(6389):660-663. doi: 10.1126/science.aaf2666

<http://www.sciencemag.org/cgi/pmidlookup?view=long&pmid=29748285>

Pucci A, Mattioli C, Matteucci M, Lorenzini D, Panvini F, Pacini S, Ippolito C, Celiento M, De Martino A, Dolfi A, Belgio B, Bortolotti U, Basolo F, Bartoloni G:

Cell differentiation in cardiac myxomas: confocal microscopy and gene expression analysis after laser capture microdissection

Heart Vessels. 2018 May 22. doi: 10.1007/s00380-018-1189-2.

<https://dx.doi.org/10.1007/s00380-018-1189-2>

Puttabyatappa M, Guo X, Dou J, Dumesic D, Bakulski KM, Padmanabhan V:

Developmental Programming: Sheep Granulosa and Theca Cell-Specific Transcriptional Regulation by Prenatal Testosterone

Endocrinology. 2020 Jun 9:bqaa094. doi: 10.1210/endo/bqaa094.

<https://academic.oup.com/endo/advance-article-abstract/doi/10.1210/endo/bqaa094/5855154>

Qin X, Jiang Q, Nagano K, Moriishi T, Miyazaki T, Komori H, Ito K, Mark KV, Sakane C, Kaneko H, Komori T:

Runx2 is essential for the transdifferentiation of chondrocytes into osteoblasts.

PLoS Genet. 2020 Nov 30;16(11):e1009169. doi: 10.1371/journal.pgen.1009169.

<https://journals.plos.org/plosgenetics/article?id=10.1371/journal.pgen.1009169>

Qin Z, He T, Guo C, Kim JY, Quan T:

CCN1 is predominantly elevated in human skin dermis by solar-simulated ultraviolet irradiation and accumulated in dermal extracellular matrix

J Cell Commun Signal. 2023 May 28. doi: 10.1007/s12079-023-00767-6.

<https://doi.org/10.1007/s12079-023-00767-6>

Qin Z, He T, Guo C, Quan T:

Age-related downregulation of CCN2 is regulated by cell size in a YAP/TAZ-dependent manner in human dermal fibroblasts: impact on dermal aging

JID Innovations, 2022, 100111, ISSN 2667-0267, <https://doi.org/10.1016/j.xjidi.2022.100111>

<https://www.sciencedirect.com/science/article/pii/S2667026722000182>

Quan C, Cho MK, Shao Y, Mianeki LE, Liao E, Perry D, Quan T:

Dermal fibroblast expression of stromal cell-derived factor-1 (SDF-1) promotes epidermal keratinocyte proliferation in normal and diseased skin

Protein Cell. 2015 Aug 22.

<http://dx.doi.org/10.1007/s13238-015-0198-5>

Quan T, Qin Z, He T, Fisher GJ:

Integrin $\alpha 11\beta 1$ as a Key Collagen Receptor in Human Skin Dermis: Insight into Fibroblast Function and Skin Dermal Aging

J Invest Dermatol. 2025 Mar 24:S0022-202X(25)00364-1. doi: 10.1016/j.jid.2025.03.006

<https://doi.org/10.1016/j.jid.2025.03.006>

Quan T, Qin Z, Xia W, Shao Y, Voorhees JJ, Fisher GJ:

Matrix-Degrading Metalloproteinases in Photoaging

J Invest Dermatol Symp Proc. 2009 Aug;14(1):20-4.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC19675548/?tool=pubmed>

Rabbie R, Lau D, White RM, Adams DJ:

Unraveling the cartography of the cancer ecosystem

Genome Biol. 2021 Mar 24;22(1):87. doi: 10.1186/s13059-021-02310-5.

<https://genomebiology.biomedcentral.com/articles/10.1186/s13059-021-02310-5>

Rabien A, Kristiansen G:

Tissue Microdissection

Methods Mol Biol. 2016;1381:39-52. doi: 10.1007/978-1-4939-3204-7_2.

http://link.springer.com/protocol/10.1007%2F978-1-4939-3204-7_2

Raghav K, Overman M, Poage GM, Soifer HS, Schnabel CA, Varadhachary GR:

Defining a Distinct Immunotherapy Eligible Subset of Patients with Cancer of Unknown Primary Using Gene Expression Profiling with the 92-Gene Assay

Oncologist. 2020 Sep 7. doi: 10.1634/theoncologist.2020-0234.

<https://theoncologist.onlinelibrary.wiley.com/doi/pdfdirect/10.1634/theoncologist.2020-0234>

Rahimi A, Karami O, Lestari AD, de Werk T, Amakorová P, Shi D, Novák O, Greb T, Offringa R:

Control of cambium initiation and activity in Arabidopsis by the transcriptional regulator AHL15

Curr Biol. 2022 Mar 9:S0960-9822(22)00330-X. doi: 10.1016/j.cub.2022.02.060.

<https://doi.org/10.1016/j.cub.2022.02.060>

Raj-Kumar PK, Lin X, Liu T, Sturtz LA, Gritsenko MA, Petyuk VA, Sagendorf TJ, Deyarmin B, Liu J, Praveen-Kumar A, Wang G, McDermott JE, Shukla AK, Moore RJ, Monroe ME, Webb-Robertson BM, Hooke JA, Fantacone-Campbell L, Mostoller B, Kvecher L, Kane J, Melley J, Somiari S, Soon-Shiong P, Smith RD, Mural RJ, Rodland KD, Shriver CD, Kovatich AJ, Hu H:

Proteogenomic characterization of difficult-to-treat breast cancer with tumor cells enriched through laser microdissection

Breast Cancer Res. 2024 May 14;26(1):76. doi: 10.1186/s13058-024-01835-4.

<https://doi.org/10.1186/s13058-024-01835-4>

Raj-Kumar PK, Liu J, Soltis AR, Bateman NW, Chen Q, Sturtz LA, Deyarmin B, Pierobon M, Abulez TA, Praveen-Kumar A, Zhang X, Nguyen T, Yan C, Hu Y, Guion K, Hooke JA, Kovatich AJ, Fantacone-Campbell L, Mostoller B, Kvecher L, Somiari S, Steeg PS, Rajagopal PS, Darcy KM, Lee JSH, Dalgard CL, Conrads TP, Petricoin EF, Meerzaman D, Wilkerson MD; APOLLO Research Network; Lin X, Shriver CD, Lipkowitz S, Hu H:

Proteogenomic characterization of invasive breast tumors in young women

NPJ Breast Cancer. 2025 Aug 18;11(1):94. doi: 10.1038/s41523-025-00793-0.

<https://doi.org/10.1038/s41523-025-00793-0>

Ramirez A, Heimbach A, Grundemann J, Stiller B, Hampshire D, Cid LP, Goebel I, Mubaidin AF, Wriekat AL, Roeper J, Al-Din A, Hillmer AM, Karsak M, Liss B, Woods CG, Behrens MI, and Kubisch C:

Hereditary parkinsonism with dementia is caused by mutations in ATP13A2, encoding a lysosomal type 5 P-type ATPase

Nat Genet 38(10): 1184-1191 (2006)

<http://www.nature.com/ng/journal/v38/n10/full/ng1884.html>

Randazzo O, Papini F, Mantini G, Gregori A, Parrino B, Liu DSK, Cascioferro S, Carbone D, Peters GJ, Frampton AE, Garajova I, and Giovanetti E:

“Open Sesame?”: Biomarker Status of the Human Equilibrative Nucleoside Transporter-1 and Molecular Mechanisms Influencing its Expression and Activity in the Uptake and Cytotoxicity of Gemcitabine in Pancreatic Cancer

Cancers 2020, 12, 3206; doi:10.3390/cancers12113206

<https://www.mdpi.com/2072-6694/12/11/3206/pdf>

Rebbeck CA, Xian J, Bornelöv S, Geradts J, Hobeika A, Geiger H, Alvarez JF, Rozhkova E, Nicholls A, Robine N, Lysterly HK, Hannon GJ:

Creating a ‘Timeline’ of ductal carcinoma in situ to identify processes and biomarkers for progression towards invasive ductal carcinoma

bioRxiv, 4 Mar 2022, doi: <https://doi.org/10.1101/2022.03.01.482529>

<https://www.biorxiv.org/content/10.1101/2022.03.01.482529v1>

Rebbeck CA, Xian J, Bornelöv S, Geradts J, Hobeika A, Geiger H, Alvarez JF, Rozhkova E, Nicholls A, Robine N, Lysterly HK, Hannon GJ:

Gene expression signatures of individual ductal carcinoma in situ lesions identify processes and biomarkers associated with progression towards invasive ductal carcinoma

Nat Commun. 2022 Jun 13;13(1):3399. doi: 10.1038/s41467-022-30573-4.

<https://www.nature.com/articles/s41467-022-30573-4>

Ren Y, Li M, Guo S, Sun H, Zhao J, Zhang J, Liu G, He H, Tian S, Yu Y, Gong G, Zhang H, Zhang X, Alseekh S, Fernie AR, Scheller HV, Xu Y:

Evolutionary Gain of Oligosaccharide Hydrolysis and Sugar Transport Enhanced Carbohydrate Partitioning in Sweet Watermelon Fruits

Plant Cell. 2021 Feb 11;koab055. doi: 10.1093/plcell/koab055.

<http://www.plantcell.org/cgi/pmidlookup?view=long&pmid=33570606>

Reuter JA, Spacek DV, Pai RK, Snyder MP:

Simul-seq: combined DNA and RNA sequencing for whole-genome and transcriptome profiling

Nat Methods. 2016 Oct 10. doi: 10.1038/nmeth.4028.

<http://dx.doi.org/10.1038/nmeth.4028>

Richards Z, Batai K, Farhat R, Shah E, Makowski A, Gann PH, Kittles R, Nonn L:

Prostatic compensation of the vitamin D axis in African American men

JCI Insight. 2017 Jan 26;2(2):e91054. doi: 10.1172/jci.insight.91054.

<https://doi.org/10.1172/jci.insight.91054>

Ridder K, Keller S, Dams M, Rupp AK, Schlaudraff J, Turco DD, Starmann J, Macas J, Karpova D, Devraj K, Depboylu C, Landfried B, Arnold B, Plate KH, Höglinger G, Sülthmann H, Altevogt P, Momma S:

Extracellular Vesicle-Mediated Transfer of Genetic Information between the Hematopoietic System and the Brain in Response to Inflammation

PLoS Biol. 2014 Jun 3;12(6):e1001874. doi: 10.1371/journal.pbio.1001874. eCollection 2014.

<http://www.plosbiology.org/article/info%3Adoi%2F10.1371%2Fjournal.pbio.1001874#pbio-1001874-g008>

Rimanens L, Chaskar P, Tille J-C, Ryser S, Liaudet N, Hu-Heimgartner K, Heimgartner K, Kaya G, Tsantoulis P, Labidi-Galy SI:

Spatial transcriptomics of tumor microenvironment in formalin-fixed paraffin-embedded breast cancer

bioRxiv 2020.01.31.928143; doi: <https://doi.org/10.1101/2020.01.31.928143>

<https://www.biorxiv.org/content/10.1101/2020.01.31.928143v1>

Rodriguez-Duboc A, Basille-Dugay M, Debonne A, Rivière M-A, Vaudry D, Burel D:

Apnea of prematurity induces short and long-term development-related transcriptional changes in the murine cerebellum

Current Research in Neurobiology 5 (2023) 100113, 9 Oct 2023

<https://doi.org/10.1016/j.crneur.2023.100113>

Roessler S, Lin G, Forgues M, Budhu A, Hoover S, Simpson RM, Wu X, He P, Qin LX, Tang ZY, Ye QH, Wang XW:

Integrative Genomic and Transcriptomic Characterization of Matched Primary and Metastatic Liver and Colorectal Carcinoma

Int J Biol Sci 2015; 11(1):88-98. doi:10.7150/ijbs.10583

<http://www.ijbs.com/v11p0088.htm>

Rohde J:

Identifizierung von Schlüsselgenen, die an der Bildung von tertiär lymphatischen Organen im zentralen Nervensystem in einem B-Zell-abhängigen Mausmodell der Multiplen Sklerose beteiligt sind

Thesis, 2021

[https://opus.bibliothek.uni-wuerzburg.de/opus4-](https://opus.bibliothek.uni-wuerzburg.de/opus4-wuerzburg/frontdoor/deliver/index/docId/26766/file/Dissertation_Rohde_Joern.pdf)

[wuerzburg/frontdoor/deliver/index/docId/26766/file/Dissertation_Rohde_Joern.pdf](https://opus.bibliothek.uni-wuerzburg.de/opus4-wuerzburg/frontdoor/deliver/index/docId/26766/file/Dissertation_Rohde_Joern.pdf)

Romanens L, Chaskar P, Marcone R, Ryser S, Tille JC, Genolet R, Heimgartner-Hu K, Heimgartner K, Moore JS, Liaudet N, Kaya G, Pittet MJ, Dietrich PY, Delorenzi M, Speiser DE, Harari A, Tsantoulis P, Labidi-Galy SI:

Clonal expansion of intra-epithelial T cells in breast cancer revealed by spatial transcriptomics

Int J Cancer. 2023 Jun 12. doi: 10.1002/ijc.34620.

<https://doi.org/10.1002/ijc.34620>

Romero-Munar A, Muñoz-Carrasco M, Balestrini R, De Rose S, Giovannini L, Aroca R, Ruiz-Lozano JM:

Differential root and cell regulation of maize aquaporins by the arbuscular mycorrhizal symbiosis highlights its role in plant water relations

Plant Cell Environ. 2024 Jul 4. doi: 10.1111/pce.15029.

<https://doi.org/10.1111/pce.15029>

Root DH, Mejias-Aponte CA, Qi J, Morales M:

Role of glutamatergic projections from ventral tegmental area to lateral habenula in aversive conditioning

J Neurosci. 2014 Oct 15;34(42):13906-10. doi: 10.1523/JNEUROSCI.2029-14.2014.

<http://www.jneurosci.org/cgi/pmidlookup?view=long&pmid=25319687>

Rotondi Aufiero V, Iacomino G, De Chiara G, Picariello E, Iaquinto G, Troncone R, Mazzarella G:

Neutralizing IL-15 Inhibits Tissue-Damaging Immune Response in Ex Vivo Cultured Untreated Celiac Intestinal Mucosa

Cells. 2025; 14(3):234.

<https://doi.org/10.3390/cells14030234>

Rovithi M, Avan A, Funel N, Leon LG, Gomez VE, Wurdinger T, Griffioen AW, Verheul HM, Giovannetti E:

Development of bioluminescent chick chorioallantoic membrane (CAM) models for primary pancreatic cancer cells: a platform for drug testing

Sci Rep. 2017 Mar 17;7:44686. doi: 10.1038/srep44686.

<http://www.nature.com/articles/srep44686>

Roy A, Deng M, Aldinger KA, Glass IA, Millen KJ:

Laser Capture Micro-dissection (LCM) of Neonatal Mouse Forebrain for RNA Isolation

Bio-protocol, Vol 10, Iss 1, January 05, 2020; DOI: 10.21769/BioProtoc.3475

<https://bio-protocol.org/e3475>

Rugh KM, Ashton LV, Schaffer PA, Olver CS:

Lymphoid Aggregates in Canine Cutaneous and Subcutaneous Sarcomas: Immunohistochemical and Gene Expression Evidence for Tertiary Lymphoid Structures

Vet Comp Oncol. 2024 Oct 27. doi: 10.1111/vco.13020.

<https://doi.org/10.1111/vco.13020>

Rummel S, Penatzer CE, Shriver CD, and Ellsworth RE:

PSPHL and breast cancer in African American women: causative gene or population stratification?

BMC Genetics 2014, 15:38 doi:10.1186/1471-2156-15-38

<http://www.biomedcentral.com/content/pdf/1471-2156-15-38.pdf>

Runge EM, Iyer AK, Setter DO, Kennedy FM, Sanders VM, Jones KJ:

CD4+ T cell expression of the IL-10 receptor is necessary for facial motoneuron survival after axotomy

J Neuroinflammation. 2020 Apr 17;17(1):121. doi: 10.1186/s12974-020-01772-x.

<https://jneuroinflammation.biomedcentral.com/track/pdf/10.1186/s12974-020-01772-x>

Russi S, Dammacco F, Sansonno S, Pavone F, Sansonno D :

Activation-induced cytidine deaminase in b cells of HCV-related cryoglobulinemic vasculitis

Clin Exp Immunol. 2015 Jul 28. doi: 10.1111/cei.12690.

<http://dx.doi.org/10.1111/cei.12690>

Ryan B, Logan BJ, Abraham WC, Williams JM:

MicroRNAs, miR-23a-3p and miR-151-3p, Are Regulated in Dentate Gyrus Neuropil following Induction of Long-Term Potentiation In Vivo

PLoS One. 2017 Jan 26;12(1):e0170407. doi: 10.1371/journal.pone.0170407.

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0170407>

Ryan B, Williams JM:

Novel microRNA revealed by systematic analysis of the microRNA transcriptome in dentate gyrus granule cells

Neurosci Lett. 2016 Sep 6. pii: S0304-3940(16)30664-4. doi: 10.1016/j.neulet.2016.09.003.

<http://www.sciencedirect.com/science/article/pii/S0304394016306644>

Sachithanandham J, Leep-Lazar J, Quinn J, Bowden K, Balasubramaniam P, Ward K, Ribeiro R, Sulkowski MS, Balagopal A:

Direct acting antivirals eradicate HCV from the liver quickly in people with HIV but do not fully reverse immune activation

The Journal of Infectious Diseases, 2024 Dec 2, DOI: 10.1093/infdis/jiae598

<https://doi.org/10.1093/infdis/jiae598>

Sada N, Fujita Y, Mizuta N, Ueno M, Furukawa T, Yamashita T:

Inhibition of HDAC increases BDNF expression and promotes neuronal rewiring and functional recovery after brain injury

Cell Death Dis. 2020 Aug 18;11(8):655. doi: 10.1038/s41419-020-02897-w.

<https://www.nature.com/articles/s41419-020-02897-w.pdf>

Sadeghi Z, Kenyon JD, Richardson B, Khalifa AO, Cartwright M, Conroy B, Caplan A, Cameron MJ, Hijaz A:

Transcriptomic Analysis of Human Mesenchymal Stem Cell Therapy in Incontinent Rat Injured Urethra

Tissue Eng Part A. 2020 Jul 2. doi: 10.1089/ten.tea.2020.0033.

<https://www.liebertpub.com/doi/10.1089/ten.tea.2020.0033>

Saenz-Pipaon G, Wacker VK, Bi L, Stamatikos A, Dichek DA :

Exosome-Mediated Transfer of X-Motif-Tagged Anti-MiR-33a-5p Antagomirs to the Medial Cells of Transduced Rabbit Carotid Arteries

Biology 2024, 13(12), 965; 24. Nov 2024

<https://doi.org/10.3390/biology13120965>

Saharan GS, Mehta NK, Meena PD:

Genomics of Crucifer's Host-Pathosystem

Bookchapter, Springer Nature Singapore 2023.

<https://doi.org/10.1007/978-981-19-3812-2>

Saharan G.S., Mehta N.K., Meena P.D.:

Techniques for Molecular Mechanism of Host Resistance

Molecular Mechanism of Crucifer's Host-Resistance. 2022 Jan 01; Springer, Singapore.

https://doi.org/10.1007/978-981-16-1974-8_8

Sahay S, Devine EA, McCullumsmith RE, and O'Donovan SM:

Adenosine Receptor mRNA Expression in Frontal Cortical Neurons in Schizophrenia

Cells 2024, 13(1), 32; <https://doi.org/10.3390/cells13010032>

<https://doi.org/10.3390/cells13010032>

Sahay S, Lundh AE, Sirole RP, McCullumsmith RE, and O'Donovan SM:

Purinergic System Transcript Changes in the Dorsolateral Prefrontal Cortex in Suicide and Major Depressive Disorder

Int. J. Mol. Sci. 2025, 26(5), 1826

<https://doi.org/10.3390/ijms26051826>

Saito T, Niida A, Uchi R, Hirata H, Komatsu H, Sakimura S, Hayashi S, Nambara S, Kuroda Y, Ito S, Eguchi H, Masuda T, Sugimachi K, Tobo T, Nishida H, Daa T, Chiba K, Shiraishi Y, Yoshizato T, Kodama M, Okimoto T, Mizukami K, Ogawa R, Okamoto K, Shuto M, Fukuda K, Matsui Y, Shimamura T, Hasegawa T, Doki Y, Nagayama S, Yamada K, Kato M, Shibata T, Mori M, Aburatani H, Murakami K, Suzuki Y, Ogawa S, Miyano S, Mimori K:

A temporal shift of the evolutionary principle shaping intratumor heterogeneity in colorectal cancer

Nat Commun. 2018 Jul 23;9(1):2884. doi: 10.1038/s41467-018-05226-0.

<https://www.nature.com/articles/s41467-018-05226-0.pdf>

Sakai, T., Larsen, M., and Yamada, K.M.:

Fibronectin requirement in branching morphogenesis

Nature 423(6942): 876-881 (2003)

<http://www.nature.com/nature/journal/v423/n6942/full/nature01712.html>

Sakamoto S, Takata N, Oshima Y, Yoshida K, Taniguchi T, Mitsuda N:

Wood reinforcement of poplar by rice NAC transcription factor

Sci Rep. 2016 Jan 27;6:19925. doi: 10.1038/srep19925.

<http://dx.doi.org/10.1038/srep19925>

Sakimoto T, Ishimori A:

Anti-inflammatory effect of topical administration of tofacitinib on corneal inflammation

Experimental Eye Research 145 (2016) 110e117

<http://www.sciencedirect.com/science/article/pii/S0014483515300907>

Sakimoto, T., Sugaya, S., Ishimori, A., and Sawa, M.:

Anti-inflammatory effect of IL-6 receptor blockade in corneal alkali burn

Exp Eye Res, Volume 97, Issue 1, April 2012, Pages 98–104

<http://www.sciencedirect.com/science/article/pii/S001448351200084X>

Saldivia N, Salazar K, Cifuentes M, Espinoza F, Harrison FE, Nualart F:
Ascorbic acid and its transporter SVCT2, affect radial glia cells differentiation in postnatal stages
Glia. 2024 Jan 5. doi: 10.1002/glia.24498.
<https://doi.org/10.1002/glia.24498>

Sallam T, Jones M, Thomas BJ, Wu X, Gilliland T, Qian K, Eskin A, Casero D, Zhang Z, Sandhu J, Salisbury D, Rajbhandari P, Civelek M, Hong C, Ito A, Liu X, Daniel B, Lusis AJ, Whitelegge J, Nagy L, Castrillo A, Smale S, Tontonoz P:
Transcriptional regulation of macrophage cholesterol efflux and atherogenesis by a long noncoding RNA
Nat Med. 2018 Feb 12. doi: 10.1038/nm.4479.
<https://www.nature.com/articles/nm.4479>

Salles DC, Asrani K, Woo J, Vidotto T, Liu HB, Vidal I, Matoso A, Netto GJ, Argani P, Lotan TL:
GPNMB expression identifies TSC1/2/mTOR-associated and MiT family translocation-driven renal neoplasms
J Pathol. 2022 Jan 24. doi: 10.1002/path.5875.
<https://onlinelibrary.wiley.com/doi/pdf/10.1002/path.5875>

Sanna PP, Repunte-Canonigo V, Guidotti A:
Gene profiling of laser-microdissected brain regions and individual cells in drug abuse and schizophrenia research
Methods Mol Biol. 2012;829:541-50.
<http://www.springerlink.com/content/h71q48085067776q/#section=1016811&page=1&locus=14>

Sano S, Akiyoshi T, Yamamoto N, Hiyoshi Y, Mukai T, Yamaguchi T, Nagasaki T, Taketomi A, Fukunaga Y, Kawachi H:
Intratumoral Budding and CD8-positive T-cell Density in Pre-treatment Biopsies as a Predictor of Response to Neoadjuvant Chemoradiotherapy in Advanced Rectal Cancer
Clinical Colorectal Cancer (2023), doi: <https://doi.org/10.1016/j.clcc.2023.07.004>
<https://doi.org/10.1016/j.clcc.2023.07.004>

Sansonno, D., Lauletta, G., Montrone, M., Grandaliano, G., Schena, F.P., and Dammacco, F.:
Hepatitis C virus RNA and core protein in kidney glomerular and tubular structures isolated with laser capture microdissection
Clin Exp Immunol 140(3): 498-506 (2005)
<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2249.2005.02778.x/full>

Santegoeds RG, Yakkoui Y, Jahanshahi A, Raven G, Van Overbeeke JJ, Herrler A, Temel Y:
Notochord isolation using laser capture microdissection
J Chem Neuroanat. 2016 Dec 24. pii: S0891-0618(16)30134-X
[https://linkinghub.elsevier.com/retrieve/pii/S0891-0618\(16\)30134-X](https://linkinghub.elsevier.com/retrieve/pii/S0891-0618(16)30134-X)

Santoro S, Lopez ID, Lombardi R, Zauli A, Osiceanu AM, Sorosina M, Clarelli F, Peroni S, Cazzato D, Marchi M, Quattrini A, Comi G, Calogero RA, Lauria G, Martinelli Boneschi F:
Laser capture microdissection for transcriptomic profiles in human skin biopsies
BMC Mol Biol. 2018 Jun 19;19(1):7. doi: 10.1186/s12867-018-0108-5.
<https://bmcmolbiol.biomedcentral.com/track/pdf/10.1186/s12867-018-0108-5>

Sarper SE, Inubushi T, Kurosaka H, Ono Minagi H, Kuremoto KI, Sakai T, Taniuchi I, Yamashiro T:
Runx1-Stat3 signaling regulates the epithelial stem cells in continuously growing incisors
Sci Rep. 2018 Jul 19;8(1):10906. doi: 10.1038/s41598-018-29317-6
<http://dx.doi.org/10.1038/s41598-018-29317-6>

Sasaki L, Hamada Y, Yarimizu D, Suzuki T, Nakamura H, Shimada A, Nguyen Pham KT, Shao X, Yamamura K, Inatomi T, Morinaga H, Nishimura EK, Kudo F, Manabe I, Haraguchi S, Sugiura Y, Suematsu M, Kinoshita S, Machida M, Nakajima T, Kiyonari H, Okamura H, Yamaguchi Y, Miyake T, and Doi M:

Intracrine activity involving NAD-dependent circadian steroidogenic activity governs age-associated meibomian gland dysfunction

Nat Aging (10 Feb 2022). <https://doi.org/10.1038/s43587-021-00167-8>
<https://www.nature.com/articles/s43587-021-00167-8>

Sasaki M, Sasako T, Kubota N, Sakurai Y, Takamoto I, Kubota T, Inagi R, Seki G, Goto M, Ueki K, Nangaku M, Jomori T, Kadowaki T :

Dual Regulation of Gluconeogenesis by Insulin and Glucose in the Proximal Tubules of the Kidney Diabetes. 2017 Jun 19. pii: db161602. doi: 10.2337/db16-1602.

<http://diabetes.diabetesjournals.org/cgi/pmidlookup?view=long&pmid=28630133>

Sauvaget, D., Chauffeton, V., Citadelle, D., Chatelet, F.P., Cywiner-Golenzer, C., Chambaz, J., Pincon-Raymond, M., Cardot, P., Le Beyec, J., and Ribeiro, A.:

Restriction of apolipoprotein A-IV gene expression to the intestine villus depends on a hormone-responsive element and parallels differential expression of the hepatic nuclear factor 4alpha and gamma isoforms

J Biol Chem 277(37): 34540-34548 (2002)
<http://www.jbc.org/content/277/37/34540.long>

Schiemann J, Schlaudraff F, Klose V, Bingmer M, Seino S, Magill PJ, Zaghloul KA, Schneider G, Liss B, Roeper J:

K-ATP channels in dopamine substantia nigra neurons control bursting and novelty-induced exploration

Nat Neurosci. 2012 Aug 19. doi: 10.1038/nn.3185
http://www.uni-ulm.de/fileadmin/website_uni_ulm/med.inst.010/bliss-pdf/Schiemann_NatNeurosci_2012.pdf

Schlaudraff F:

Quantitative Genexpressionsanalysen humaner dopaminerges Neurone nach Lasermikrodissektion aus post-mortem Mittelhirngewebe von Morbus Parkinson Patienten und Kontrollen

Dissertation, 2010 (in German)
http://vts.uni-ulm.de/query/longview.meta.asp?document_id=7359

Schlaudraff F, Gründemann J, Fauler M, Dragecivic E, Hardy J, and Liss B:

Orchestrated increase of dopamine and PARK mRNAs but not miR-133b in dopamine neurons in Parkinson's disease

Neurobiology of Aging, 22 March 2014, <http://dx.doi.org/10.1016/j.neurobiolaging.2014.03.016>
<http://www.sciencedirect.com/science/article/pii/S019745801400270X>

Schlaudraff J, Paul MH, Deller T, Del Turco D:

Precise measurement of gene expression changes in mouse brain areas denervated by injury

Sci Rep. 2022 Dec 29;12(1):22530. doi: 10.1038/s41598-022-26228-5.
<https://www.nature.com/articles/s41598-022-26228-5>

Schmacke NA, Mädler SC, Wallmann G, Metousis A, Bérouti M, Harz H, Leonhardt H, Mann M, Horning V:

SPARCS, a platform for genome-scale CRISPR screening for spatial cellular phenotypes

bioRxiv, 1 June 2023, DOI: 10.1101/2023.06.01.542416
<https://doi.org/10.1101/2023.06.01.542416>

Schnorbusch K, Lembrechts R, Pintelon I, Timmermans JP, Brouns I, Adriaensen D:

GABAergic signaling in the pulmonary neuroepithelial body microenvironment: functional imaging in GAD67-GFP mice

Histochem Cell Biol. 2013 Apr 9.

<http://dx.doi.org/10.1007/s00418-013-1093-x>

Schropp V, Rohde J, Rovituso DM, Jabari S, Bharti R, Kuerten S:

Contribution of LT α and TH17 cells to B cell aggregate formation in the central nervous system in a mouse model of multiple sclerosis

J Neuroinflammation. 2019 May 28;16(1):111. doi: 10.1186/s12974-019-1500-x.

<https://jneuroinflammation.biomedcentral.com/track/pdf/10.1186/s12974-019-1500-x>

Schultheiss CS, Laggai S, Czepukojc B, Hussein UK, List M, Barghash A, Tierling S, Hosseini K, Golob-Schwarzl N, Pokorny J, Hachenthal N, Schulz M, Helms V, Walter J, Zimmer V, Lammert F, Bohle RM, Dandolo L, Haybaeck J, Kiemer AK, Kessler SM:

The long non-coding RNA H19 suppresses carcinogenesis and chemoresistance in hepatocellular carcinoma

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https://www.researchgate.net/profile/Alexandra_Kiemer/publication/320263239_The_long_non-coding_RNA_H19_suppresses_carcinogenesis_and_chemoresistance_in_hepatocellular_carcinoma/links/59dcabbc458515e9ab4c8104/The-long-non-coding-RNA-H19-suppresses-carcinogenesis-and-chemoresistance-in-hepatocellular-carcinoma.pdf

Schwartz AG, Long F, Thomopoulos S:

Enthesis fibrocartilage cells originate from a population of Hedgehog-responsive cells modulated by the loading environment

Development. 2015 Jan 1;142(1):196-206. doi: 10.1242/dev.112714.

<http://dev.biologists.org/cgi/pmidlookup?view=long&pmid=25516975>

Scott, M., McCluggage, W.G., Hillan, K.J., Hall, P.A., and Russell, S.E.:

Altered patterns of transcription of the septin gene, SEPT9, in ovarian tumorigenesis

Int J Cancer 118(5): 1325-1329 (2006)

<http://onlinelibrary.wiley.com/doi/10.1002/ijc.21486/full>

See K, Yadav P, Giegerich M, Cheong PS, Graf M, Vyas H, Lee SG, Mathavan S, Fischer U, Sendtner M, Winkler C:

SMN-deficiency alters Nrnx2 expression and splicing in zebrafish and mouse models of Spinal Muscular Atrophy

Hum Mol Genet. 2013 Nov 11.

<http://hmg.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=24218366>

Seimetz M, Sommer N, Bednorz M, Pak O, Veith C, Hadzic S, Gredic M, Parajuli N, Kojonazarov B, Kraut S, Wilhelm J, Knoepf F, Henneke I, Pichl A, Kanbagli ZI, Scheibe S, Fysikopoulos A, Wu, C-Y, Klepetko W, Jaksch P, Eichstaedt C, Grünig E, Hinderhofer K, Geiszt M, Müller N, Rezende F, Buchmann G, Wittig I, Hecker M, Hecker A, Padberg W, Dorfmueller P, Gattenlöhner P, Vogelmeier CF, Günther A, Karnati S, Baumgart-Vogt E, Schermuly RT, Ghofrani HA, Seeger W, Schröder K, Grimminger F, Brandes RP, and Weissmann N:

NADPH oxidase subunit NOXO1 is a target for emphysema treatment in COPD

Nature Metabolism (8 Jun 2020). <https://doi.org/10.1038/s42255-020-0215-8>

<https://www.nature.com/articles/s42255-020-0215-8>

Seki, K., Miyakoshi, S., Lee, G.H., Matsushita, H., Mutoh, Y., Nakase, K., Ida, M., and Taniguchi, H.:

Prostatic acid phosphatase is a possible tumor marker for intravascular large B-cell lymphoma

Am J Surg Pathol 28(10): 1384-1388 (2004)

<http://journals.lww.com/ajsp/pages/articleviewer.aspx?year=2004&issue=10000&article=00016&type=abstract>

Senatus L, López-Díez R, Egaña-Gorroño L, Liu J, Hu J, Daffu G, Li Q, Rahman K, Vengrenyuk Y, Barrett TJ, Dewan MZ, Guo L, Fuller D, Finn AV, Virmani R, Li H, Friedman RA, Fisher EA, Ramasamy R, Schmidt AM:

RAGE impairs murine diabetic atherosclerosis regression and implicates IRF7 in macrophage inflammation and cholesterol metabolism

JCI Insight. 2020 Jul 9;5(13):137289. doi: 10.1172/jci.insight.137289.

<https://insight.jci.org/articles/view/137289>

Senevirathne G, Shubin NH:

Molecular basis of urostyle development in frogs: genes and gene regulation underlying an evolutionary novelty

Open Biol. 2024 Aug;14(8):240111. doi: 10.1098/rsob.240111.

<https://doi.org/10.1098/rsob.240111>

Serra M, Pal R, Puliga E, Sulas P, Cabras L, Cusano R, Giordano S, Perra A, Columbano A and Kowalik MA:

mRNA-miRNA networks identify metabolic pathways associated to the anti-tumorigenic effect of thyroid hormone on preneoplastic nodules and hepatocellular carcinoma

Front. Oncol. 12:941552. (2022), doi: 10.3389/fonc.2022.941552

<https://www.frontiersin.org/articles/10.3389/fonc.2022.941552/full>

Shah D, Ali M, Pasha Z, Jaboori AJ, Jassim SH, Jain S, Aakalu VK:

Histatin-1 Expression in Human Lacrimal Epithelium

PLoS One. 2016 Jan 29;11(1):e0148018. doi: 10.1371/journal.pone.0148018. eCollection 2016.

<http://dx.plos.org/10.1371/journal.pone.0148018>

Shan L, Wu C, Chen D, Hou L, Li X, Wang L, Chu X, Hou Y, Wang Z:

Regulators of alternative polyadenylation operate at the transition from mitosis to meiosis

Journal of Genetics and Genomics, (2017), doi: 10.1016/j.jgg.2016.12.007

<http://www.sciencedirect.com/science/article/pii/S1673852717300176>

Shao F, Phan AV, Yu W, Guo Y, Thompson J, Coppinger C, Venugopalan SR, Amendt BA, Van Otterloo E, Cao H:

Transcriptional programs of Pitx2 and Tfp2a/Tfp2b controlling lineage specification of mandibular epithelium during tooth initiation

PLoS Genet. 2024 Jul 25;20(7):e1011364. doi: 10.1371/journal.pgen.1011364.

<https://doi.org/10.1371/journal.pgen.1011364>

Shao, Y.Y., Wang, L., Hicks, D.G., and Ballock, R.T.:

Analysis of gene expression in mineralized skeletal tissues by laser capture microdissection and RT-PCR

Lab Invest 86(10): 1089-1095 (2006)

<http://www.nature.com/labinvest/journal/v86/n10/full/3700459a.html>

Shen Y, Tian M, Zheng Y, Gong F, Fu AK, Ip NY:

Stimulation of the Hippocampal POMC/MC4R Circuit Alleviates Synaptic Plasticity Impairment in an Alzheimer's Disease Model

Cell Rep. 2016 Nov 8;17(7):1819-1831. doi: 10.1016/j.celrep.2016.10.043.

[http://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(16\)31463-2](http://linkinghub.elsevier.com/retrieve/pii/S2211-1247(16)31463-2)

Shi D, Jouannet V, Agusti J, Kaul V, Levitsky V, Mironova VV, Sanchez P, Greb T :

Tissue-specific transcriptome profiling of the Arabidopsis thaliana inflorescence stem reveals local cellular signatures

bioRxiv, 11 Feb 2020, doi: <https://doi.org/10.1101/2020.02.10.941492>
<https://www.biorxiv.org/content/biorxiv/early/2020/02/10/2020.02.10.941492.full.pdf>

Shi D, Jouannet V, Agustí J, Kaul V, Levitsky V, Sanchez P, Mironova VV, Greb T :

Tissue-specific transcriptome profiling of the Arabidopsis inflorescence stem reveals local cellular signatures

Plant Cell. 2021 Apr 17;33(2):200-223. doi: 10.1093/plcell/koaa019.
<https://academic.oup.com/plcell/article/33/2/200/6017181>

Shibasaki Y, Afanasyev S, Fernández-Montero A, Ding Y, Watanabe S, Takizawa F, Lamas J, Fontenla F, Leiro JM, Krasnov A, Boudinot P, Sunyer JO:

Cold-blooded vertebrates evolved organized germinal center like structures

Sci Immunol. 2023 Nov 1:eadf1627. doi: 10.1126/sciimmunol.adf1627.
<https://doi.org/10.1126/sciimmunol.adf1627>

Shibuya N, Imai Y, Lee YS, Kochi T, Tachi M:

Acute Rejection of Knee Joint Articular Cartilage in a Rat Composite Tissue Allotransplantation Model

J Bone Joint Surg Am. 2014 Jun 18;96(12):1033-1039.
<http://jbsj.org/content/96/12/1033>

Shiga A, Ishihara T, Miyashita A, Kuwabara M, Kato T, Watanabe N, Yamahira A, Kondo C, Yokoseki A, Takahashi M, Kuwano R, Kakita A, Nishizawa M, Takahashi H, Onodera O:

Alteration of POLDIP3 Splicing Associated with Loss of Function of TDP-43 in Tissues Affected with ALS

PLoS ONE 7(8): e43120. doi:10.1371/journal.pone.0043120
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0043120>

Shimizu H, Sakimoto T, Yamagami S:

Pro-inflammatory role of NLRP3 inflammasome in experimental sterile corneal inflammation

Sci Rep. 2019 Jul 3;9(1):9596. doi: 10.1038/s41598-019-46116-9.
<https://www.nature.com/articles/s41598-019-46116-9.pdf>

Shimizu N, Wada N, Shimizu T, Suzuki T, Takaoka EI, Kanai AJ, de Groat WC, Hirayama A, Hashimoto M, Uemura H, Yoshimura N :

Effects of nerve growth factor neutralization on TRP channel expression in laser-captured bladder afferent neurons in mice with spinal cord injury

Neurosci Lett. 2018 Jun 27. pii: S0304-3940(18)30452-X. doi: 10.1016/j.neulet.2018.06.049.
[https://linkinghub.elsevier.com/retrieve/pii/S0304-3940\(18\)30452-X](https://linkinghub.elsevier.com/retrieve/pii/S0304-3940(18)30452-X)

Shin H-Y:

Tetraspanin 1 promotes endometriosis leading to ovarian clear cell carcinoma

Thesis, 2021
<https://ir.ymlib.yonsei.ac.kr/bitstream/22282913/189764/1/T015188.pdf>

Shin JO, Nakagawa E, Kim EJ, Cho KW, Lee JM, Cho SW, Jung HS

miR-200b regulates cell migration via Zeb family during mouse palate development

Histochem Cell Biol. 2012 Jan 20. [Epub ahead of print]
<http://dx.doi.org/10.1007/s00418-012-0915-6>

Shirai M, Niino N, Mori K, and Kai K :

Microarray-based gene expression analysis combined with laser capture microdissection is beneficial in investigating the modes of action of ocular toxicity

Journal of Toxicologic Pathology; J-STAGE Advance; Dec 18, 2021
https://www.jstage.jst.go.jp/article/tox/advpub/0/advpub_2021-0064/_pdf

Shui YB, Liu Y, Huang AJW, Siegfried CJ :
SDPR expression in human trabecular meshwork and its potential role in racial disparities of glaucoma

Sci Rep. 2024 May 4;14(1):10258. doi: 10.1038/s41598-024-61071-w.
<https://doi.org/10.1038/s41598-024-61071-w>

Sikkema AH, de Bont ES, Molema G, Dimberg A, Zwiers PJ, Diks SH, Hoving EW, Kamps WA, Peppelenbosch MP, den Dunnen WF:

Vascular endothelial growth factor receptor 2 (VEGFR-2) signalling activity in paediatric pilocytic astrocytoma is restricted to tumour endothelial cells

Neuropathol Appl Neurobiol. 2011 Aug;37(5):538-48. doi: 10.1111/j.1365-2990.2011.01160.x
<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2990.2011.01160.x/abstract;jsessionid=F0E15DF99666E53D6065E8469E7BE8C0.d01t01>

Silva JP, Lambert G, van Booven D, Wahlestedt C:

Epigenomic and metabolic responses of hypothalamic POMC neurons to gestational nicotine exposure in adult offspring

Genome Med. 2016 Sep 8;8(1):93. doi: 10.1186/s13073-016-0348-2.
<http://genomemedicine.biomedcentral.com/articles/10.1186/s13073-016-0348-2>

Simeoni F, Simoni L, Zottini M, Conti L, Tonelli C, Castorina G, Espen L, and Galbiati M:

Expression of the VvMYB60 Transcription Factor Is Restricted to Guard Cells and Correlates with the Stomatal Conductance of the Grape Leaf

Agronomy 2022, 13 March, 12(3), 694; <https://doi.org/10.3390/agronomy12030694>
<https://www.mdpi.com/2073-4395/12/3/694/htm>

Simin, K., Hill, R., Song, Y., Zhang, Q., Bash, R., Cardiff, R.D., Yin, C., Xiao, A., McCarthy, K., and van Dyke, T.:

Deciphering cancer complexities in genetically engineered mice

Cold Spring Harb Symp Quant Biol 70: 283-290 (2005)
<http://symposium.cshlp.org/content/70/283.full.pdf+html>

Simões A, Chen Z, Zhao Y, Chen L, Macias V, DiPietro LA, Zhou X:

Laser Capture Microdissection of Epithelium from a Wound Healing Model for MicroRNA Analysis

Methods Mol Biol. 2018;1733:225-237. doi: 10.1007/978-1-4939-7601-0_19.
https://link.springer.com/protocol/10.1007/978-1-4939-7601-0_19

Simmons D.H., Busch S.E., Titley H.K., Grasselli G., Shih J., Du X., Wei C., Gomez C.M., Piochon C. & Hansel C.:

Sensory over-responsivity and aberrant plasticity in cerebellar cortex in a mouse model of syndromic autism

Biological Psychiatry Global Open Science (2021), doi:<https://doi.org/10.1016/j.bpsgos.2021.09.004>.
<https://www.sciencedirect.com/science/article/pii/S2667174321001129>

Simões A, Chen L, Chen Z, Zhao Y, Gao S, Marucha PT, Dai Y, DiPietro LA, Zhou X:

Differential microRNA profile underlies the divergent healing responses in skin and oral mucosal wounds

Sci Rep. 2019 May 9;9(1):7160. doi: 10.1038/s41598-019-43682-w.
<http://dx.doi.org/10.1038/s41598-019-43682-w>

Skalicky S, Zwiers PJ, Kuiper T, Schraml E, Hackl M, Molema G:

Combining laser microdissection and microRNA expression profiling to unmask microRNA signatures in complex tissues

Biotechniques. 2019 Oct 17. doi: 10.2144/btn-2019-0032.
<https://www.future-science.com/doi/pdf/10.2144/btn-2019-0032>

Solga AC, Pong WW, Walker J, Wylie T, Magrini V, Apicelli AJ, Griffith M, Griffith OL, Kohsaka S, Wu GF, Brody DL, Mardis ER, Gutmann DH:

RNA-Sequencing Reveals Oligodendrocyte and Neuronal Transcripts in Microglia Relevant to Central Nervous System Disease

Glia. 2014 Sep 24. doi: 10.1002/glia.22754.
<http://dx.doi.org/10.1002/glia.22754>

Solich J, Kolasa M, Kusmider M, Pabian P, Faron-Gorecka A, Zurawek D, Szafran-Pilch K, Kedracka-Krok S, Jankowska U, Swiderska B, Dziedzicka-Wasylewska M:

Life-long norepinephrine transporter (NET) knock-out leads to the increase in the NET mRNA in brain regions rich in norepinephrine terminals

Eur Neuropsychopharmacol. 2015 May 8. pii: S0924-977X(15)00124-8. doi: 10.1016/j.euroneuro.2015.04.019.
[http://linkinghub.elsevier.com/retrieve/pii/S0924-977X\(15\)00124-8](http://linkinghub.elsevier.com/retrieve/pii/S0924-977X(15)00124-8)

Soltis AR, Bateman NW, Liu J, Nguyen T, Franks TJ, Zhang X, Dalgard CL, Viollet C, Somiari S, Yan C, Zeman K, Skinner WJ, Lee JSH, Pollard HB, Turner C, Petricoin EF, Meerzaman D, Conrads TP, Hu H; APOLLO Research Network, Shriver CD, Moskaluk CA, Browning RF Jr, Wilkerson MD:

Proteogenomic analysis of lung adenocarcinoma reveals tumor heterogeneity, survival determinants, and therapeutically relevant pathways

Cell Rep Med. 2022 Nov 15;3(11):100819. doi: 10.1016/j.xcrm.2022.100819.
<https://doi.org/10.1016/j.xcrm.2022.100819>

Song S, Ma D, Xu C, Guo Z, Li J, Song L, Wei M, Zhang L, Zhong YH, Zhang YC, Liu JW, Chi B, Wang J, Tang H, Zhu X, Zheng HL:

In silico analysis of NAC gene family in the mangrove plant Avicennia marina provides clues for adaptation to intertidal habitats

Plant Mol Biol. 2023 Jan 16. doi: 10.1007/s11103-023-01333-9.
<https://link.springer.com/article/10.1007/s11103-023-01333-9>

Sonntag KC, Woo TW:

Laser microdissection and gene expression profiling in the human postmortem brain

Handb Clin Neurol. 2018;150:263-272. doi: 10.1016/B978-0-444-63639-3.00018-9.
<https://www.sciencedirect.com/science/article/pii/B9780444636393000189>

Souda M, Umekita Y, Abeyama K, Yoshida H:

Gene expression profiling during rat mammary carcinogenesis induced by 7,12-dimethylbenz[a]anthracene

Int J Cancer. 2009 Sep 15;125(6):1285-97.
<http://onlinelibrary.wiley.com/doi/10.1002/ijc.24396/full>

Sowamber R, Nelson O, Dodds L, DeCastro V, Paudel I, Milea A, Considine M, Cope L, Pinto A, Schlumbrecht M, Slomovitz B, Shaw PA, George SHL:

Integrative Transcriptome Analyses of the Human Fallopian Tube: Fimbria and Ampulla-Site of Origin of Serous Carcinoma of the Ovary

Cancers (Basel). 2020 Apr 27;12(5). pii: E1090. doi: 10.3390/cancers12051090.
<http://www.mdpi.com/resolver?pii=cancers12051090>

Stahl A, Joyal JS, Chen J, Sapieha P, Juan AM, Hatton CJ, Pei DT, Hurst CG, Seaward MR, Krah NM, Dennison RJ, Greene ER, Boscolo E, Panigrahy D, Smith LE:

SOCS3 is an endogenous inhibitor of pathologic angiogenesis

Blood. 2012 Jul 12.

<http://bloodjournal.hematologylibrary.org/cgi/pmidlookup?view=long&pmid=22791286>

Stauber M, Weidemann M, Dittrich-Breiholz O, Lobschat K, Alten L, Mai M, Beckers A, Kracht M, Gossler A:

Identification of FOXJ1 effectors during ciliogenesis in the foetal respiratory epithelium and embryonic left-right organiser of the mouse

Dev Biol. 2016 Nov 30. pii: S0012-1606(16)30313-X. doi: 10.1016/j.ydbio.2016.11.019.

[https://linkinghub.elsevier.com/retrieve/pii/S0012-1606\(16\)30313-X](https://linkinghub.elsevier.com/retrieve/pii/S0012-1606(16)30313-X)

Stevens ME, Woeste KE, Pijut PM:

Localized gene expression changes during adventitious root formation in black walnut (*Juglans nigra* L.)

Tree Physiol. 2018 Jan 25. doi: 10.1093/treephys/tpx175.

<https://academic.oup.com/treephys/advance-article-abstract/doi/10.1093/treephys/tpx175/4825051>

Stone A:

An Explainable Artificial Intelligence Approach to Differentiate Breast Cancer Morphologies Between Racial Groups

Thesis, 2022, All Theses. 3826.

https://tigerprints.clemson.edu/all_theses/3826

Sturtz LA, Melley J, Mamula K, Shriver CD, Ellsworth RE:

Outcome disparities in African American women with triple negative breast cancer: a comparison of epidemiological and molecular factors between African American and Caucasian women with triple negative breast cancer

BMC Cancer. 2014 Feb 4;14(1):62. doi: 10.1186/1471-2407-14-62

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3916697/>

Suárez-Calvet X, Gallardo E, Nogales-Gadea G, Querol L, Navas M, Diaz-Manera J, Rojas-Garcia R, Illa I:

Altered RIG-I/DDX58-mediated innate immunity in dermatomyositis

J Pathol. 2014 Mar 6. doi: 10.1002/path.4346.

<http://onlinelibrary.wiley.com/doi/10.1002/path.4346/abstract>

Suarez-Carmona M1, Bourcy M, Lesage J, Leroi N, Syne L, Blacher S, Huber P, Erpicum C, Foidart JM, Delvenne P, Birembaut P, Noël A, Polette M, Gilles C:

Soluble factors regulated by epithelial-mesenchymal transition mediate tumour angiogenesis and myeloid cell recruitment

J Pathol. 2015 Apr 16. doi: 10.1002/path.4546.

<http://dx.doi.org/10.1002/path.4546>

Subbian S, Tsenova L, Kim MJ, Wainwright HC, Visser A, Bandyopadhyay N, Bader JS, Karakousis PC, Murrmann GB, Bekker LG, Russell DG, Kaplan G:

Lesion-Specific Immune Response in Granulomas of Patients with Pulmonary Tuberculosis: A Pilot Study

PLoS One. 2015 Jul 2;10(7):e0132249. doi: 10.1371/journal.pone.0132249. eCollection 2015.

<http://dx.plos.org/10.1371/journal.pone.0132249>

Sudharsan R, Murgiano L, Ahuja A, Sato Y, Kwok J, Dolgova N, Savina S, Sedorovitz M, Dufour VL, Aguirre GD, Byrne LC, Beltran WA:

Novel Photoreceptor-Specific Promoters for Gene Therapy in Mid-to-Late Stage Retinal Degeneration

Mol Ther. 2025 May 21:S1525-0016(25)00390-9. doi: 10.1016/j.ymthe.2025.05.020.

<https://doi.org/10.1016/j.ymthe.2025.05.020>

Sudharsan R, Murgiano L, Tang HY, Olsen TW, Chavali VRM, Aguirre GD, Beltran WA.:
Short prolactin isoforms are expressed in photoreceptors of canine retinas undergoing retinal degeneration

Sci Rep. 2021 Jan 11;11(1):460. doi: 10.1038/s41598-020-80691-6.
<https://www.nature.com/articles/s41598-020-80691-6>

Sueyama Y, Kaneko T, Ito T, Kaneko R, Okiji T:
Implantation of Endothelial Cells with Mesenchymal Stem Cells Accelerates Dental Pulp Tissue Regeneration/Healing in Pulpotomized Rat Molars

J Endod. 2017 Apr 14. pii: S0099-2399(17)30150-4. doi: 10.1016/j.joen.2017.01.035.
<http://www.sciencedirect.com/science/article/pii/S0099239917301504>

Sugimachi K, Yokobori T, Iinuma H, Ueda M, Ueo H, Shinden Y, Eguchi H, Sudo T, Suzuki A, Maehara Y, Mori M, Mimori K:

Aberrant Expression of Plastin-3 Via Copy Number Gain Induces the Epithelial-Mesenchymal Transition in Circulating Colorectal Cancer Cells

Ann Surg Oncol. 2013 Nov 12.
<http://link.springer.com/article/10.1245%2Fs10434-013-3366-y>

Sugino Y, O'Malley KJ, Wang Z, Tyagi P, Birder LA, Ogawa O, Yoshimura N:
Laser-capture microdissection for analysis of cell type-specific gene expression of muscarinic receptor subtypes in the rat bladder with cyclophosphamide-induced cystitis

Int Urol Nephrol. 2015 Feb 14.
<http://dx.doi.org/10.1007/s11255-015-0926-z>

Sukata T, Uwagawa S, Ozaki K, Sumida K, Kushida M, Kakehashi A, Wanibuchi H, Miyata K, Ogata K and Fukushima S:

Characteristic Upregulation of Glucose-Regulated Protein 78 in an Early Lesion Negative for Hitherto Established Cytochemical Markers in Rat Hepatocarcinogenesis

Journal of Toxicologic Pathology 22(4): pp.281
http://www.jstage.jst.go.jp/article/tox/22/4/22_281/_article

Sumino J, Uzawa N, Okada N, Miyaguchi K, Mogushi K, Takahashi KI, Sato H, Michikawa C, Nakata Y, Tanaka H, Amagasa T:

Gene expression changes in initiation and progression of oral squamous cell carcinomas revealed by laser microdissection and oligonucleotide microarray analysis

Int J Cancer. 2012 Jun 28. doi: 10.1002/ijc.27702.
<http://dx.doi.org/10.1002/ijc.27702>

Sun BK, Boxer LD, Ransohoff JD, Siprashvili Z, Qu K, Lopez-Pajares V, Hollmig ST, Khavari PA :
CALML5 is a ZNF750- and TINCR-induced protein that binds stratifin to regulate epidermal differentiation

Genes Dev. 2015 Nov 1;29(21):2225-30. doi: 10.1101/gad.267708.115.
<http://www.genesdev.org/cgi/pmidlookup?view=long&pmid=26545810>

Sun X, Xiong H, Jiang C, Zhang D, Yang Z, Huang Y, Zhu W, Ma S, Duan J, Wang X, Liu W, Guo H, Li G, Qi J, Liang C, Zhang Z, Li J, Zhang H, Han L, Zhou Y, Peng Y, Li Z.:

Natural variation of DROT1 confers drought adaptation in upland rice

Nat Commun. 2022 Jul 23;13(1):4265. doi: 10.1038/s41467-022-31844-w.
<https://www.nature.com/articles/s41467-022-31844-w>

Sun XX, Liu Z, Liu R, Bucher J, Zhao J, Visser RGF, Bonnema G:

Transcriptomic analyses to summarize gene expression patterns that occur during leaf initiation of Chinese cabbage

Horticulture Research, 2024

<https://academic.oup.com/hr/advance-article/doi/10.1093/hr/uhae059/7616063>

Sunde, J.S., Donninger, H., Wu, K., Johnson, M.E., Pestell, R.G., Rose, G.S., Mok, S.C., Brady, J., Bonome, T., and Birrer, M.J.:

Expression Profiling Identifies Altered Expression of Genes That Contribute to the Inhibition of Transforming Growth Factor- β Signaling in Ovarian Cancer

Cancer Res 66(17): 8404-8412 (2006)

<http://cancerres.aacrjournals.org/content/66/17/8404.long>

Sung CYW, Li M, Jonjic S, Sanchez V, Britt WJ:

Cytomegalovirus infection lengthens the cell cycle of granule cell precursors during postnatal cerebellar development

JCI Insight. 2024 Jun 10;9(11):e175525. doi: 10.1172/jci.insight.175525.

<https://doi.org/10.1172/jci.insight.175525>

Sutherland KM, Combs TJ, Edwards PC, Van Winkle LS:

Site-specific differences in gene expression of secreted proteins in the mouse lung: comparison of methods to show differences by location

J Histochem Cytochem. 2010 Dec;58(12):1107-19. doi: 10.1369/jhc.2010.956052.

<http://jhc.sagepub.com/cgi/pmidlookup?view=long&pmid=20852037>

Suzuki, S., Asamoto, M., Tsujimura, K., and Shirai, T.:

Specific differences in gene expression profile revealed by cDNA microarray analysis of glutathione S-transferase placental form (GST-P) immunohistochemically positive rat liver foci and surrounding tissue

Carcinogenesis 25(3): 439-443 (2004)

<http://carcin.oxfordjournals.org/content/25/3/439.long>

Suzuki T:

Overview of single-cell RNA sequencing analysis and its application to spermatogenesis research

Reprod Med Biol. 2023;22:e12502.

<https://doi.org/10.1002/rmb2.12502>

Suzuki, Y., Komi, Y., Ashino, H., Yamashita, J., Inoue, J., Yoshiki, A., Eichmann, A., Amanuma, H., and Kojima, S.:

Retinoic acid controls blood vessel formation by modulating endothelial and mural cell interaction via suppression of Tie2 signaling in vascular progenitor cells

Blood 104(1): 166-169 (2004)

<http://bloodjournal.hematologylibrary.org/content/104/1/166.long>

Svec J, Ergang P, Mandys V, Kment M, Pácha J:

Expression profiles of proliferative and antiapoptotic genes in sporadic and colitis-related mouse colon cancer models

Int J Exp Pathol 91(1):44-53 (2010)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2613.2009.00698.x/full>

Swieck K, Conta-Steencken A, Middleton FA, Siebert JR, Osterhout DJ, Stelzner DJ:

Effect of lesion proximity on the regenerative response of long descending propriospinal neurons after spinal transection injury

BMC Neurosci. 2019 Mar 18;20(1):10. doi: 10.1186/s12868-019-0491-y.

<https://bmcneurosci.biomedcentral.com/articles/10.1186/s12868-019-0491-y>

Szekerczés T, Galamb Á, Varga N, Benczik M, Kocsis A, Schlachter K, Kiss A, Ács N, Schaff Z, Jeney C, Lendvai G, Sobel G:

Increased miR-20b Level in High Grade Cervical Intraepithelial Neoplasia

Pathol Oncol Res. 2020 Jul 8. doi: 10.1007/s12253-020-00852-w.

<https://link.springer.com/article/10.1007/s12253-020-00852-w>

Szulawski R, Nakazawa M, McCall KD, James CB, Schwartz FL:

Laser capture microdissection tailored to type 1 diabetes mellitus research

Biotechniques. 2016 Jun 1;60(6):293-8. doi: 10.2144/000114426. eCollection 2016.

<http://www.biotechniques.com/article/000114426>

Ta KN, Yoshida MW, Tezuka T, Shimizu-Sato S, Nosaka-Takahashi M, Toyoda A, Suzuki T, Goshima G, Sato Y:

Control of plant cell growth and proliferation by MO25A, a conserved major component of the Mammalian Sterile20-like kinase pathway

Plant Cell Physiol. 2023 Jan 13;pcad005. doi: 10.1093/pcp/pcad005.

<https://doi.org/10.1093/pcp/pcad005>

Tadano T, Kakuta Y, Hamada S, Shimodaira Y, Kuroha M, Kawakami Y, Kimura T, Shiga H, Endo K, Masamune A, Takahashi S, Kinouchi Y, Shimosegawa T:

MicroRNA-320 family is downregulated in colorectal adenoma and affects tumor proliferation by targeting CDK6

World J Gastrointest Oncol. 2016 Jul 15;8(7):532-42. doi: 10.4251/wjgo.v8.i7.532.

<http://www.wjgnet.com/1948-5204/full/v8/i7/532.htm>

Taddese M, Grudda T, Belluccini G, Anderson M, Cloherty G, Hwang HS, Mani M, Lo CM, Esrig N, Sulkowski MS, Sterling RK, Zhang Y, Ribeiro RM, Thomas DL, Thio CL, Balagopal A:

Transcription of hepatitis B surface antigen shifts from cccDNA to integrated HBV DNA during treatment

J Clin Invest. 2025 Jan 30:e184243. doi: 10.1172/JCI184243.

<https://doi.org/10.1172/jci184243>

Taguchi S, Azushima K, Yamaji T, Suzuki T, Abe E, Tanaka S, Hirota K, Tsukamoto S, Morita R, Kobayashi R, Kinguchi S, Yamashita A, Wakui H, Tamura K:

Angiotensin II type 1 receptor-associated protein deletion combined with angiotensin II stimulation accelerates the development of diabetic kidney disease in mice on a C57BL/6 strain

Hypertens Res. 2023 Nov 13. doi: 10.1038/s41440-023-01496-4.

<https://doi.org/10.1038/s41440-023-01496-4>

Tahara S, Nojima S, Ohshima K, Hori Y, Sato K, Kurashige M, Matsui T, Okuzaki D, Morii E:

Nicotinamide N-methyltransferase is related to MELF pattern invasion in endometrioid carcinoma.

Cancer Med. 2021 Oct 16. doi: 10.1002/cam4.4359.

<https://onlinelibrary.wiley.com/doi/full/10.1002/cam4.4359>

Takahashi H, Ishikawa T, Ishiguro M, Okazaki S, Mogushi K, Kobayashi H, Iida S, Mizushima H, Tanaka H, Uetake H, Sugihara K:

Prognostic significance of Traf2- and Nck- interacting kinase (TNIK) in colorectal cancer

BMC Cancer. 2015 Oct 24;15:794. doi: 10.1186/s12885-015-1783-y.

<http://www.biomedcentral.com/1471-2407/15/794>

Takahashi H, Ohkuchi A, Kuwata T, Usui R, Baba Y, Suzuki H, Chaw Kyi TT, Matsubara S, Saito S, Takizawa T:

Endogenous and exogenous miR-520c-3p modulates CD44-mediated extravillous trophoblast invasion

Placenta, YPLAC 3529: S0143-4004(16)30663-4, 2016 Dec 13

[http://www.placentajournal.org/article/S0143-4004\(16\)30663-4/abstract](http://www.placentajournal.org/article/S0143-4004(16)30663-4/abstract)

Takahashi K, Beltran WA, Sudharsan R:

An optimized workflow for transcriptomic analysis from archival paraformaldehyde-fixed retinal tissues collected by laser capture microdissection

Exp Eye Res. 2024 Jul 3:109989. doi: 10.1016/j.exer.2024.109989.

<https://doi.org/10.1016/j.exer.2024.109989>

Takahashi, K., Mizuarai, S., Araki, H., Mashiko, S., Ishihara, A., Kanatani, A., Itadani, H., and Kotani, H.:
Adiposity elevates plasma MCP-1 levels leading to the increased CD11b-positive monocytes in mice

J Biol Chem 278(47): 46654-46660 (2003)

<http://www.jbc.org/content/278/47/46654.long>

Takahashi K, Sugi Y, Nakano K, Kobayakawa T, Nakanishi Y, Tsuda M, Hosono A, Kaminogawa S
Regulation of Gene Expression through Gut Microbiota-Dependent DNA Methylation in Colonic Epithelial Cells

Immunohorizons. 2020 Apr 15;4(4):178-190. doi: 10.4049/immunohorizons.1900086.

<https://www.immunohorizons.org/content/immunohorizon/4/4/178.full.pdf>

Takahashi N, Yoshida H, Kimura H, Kamiyama K, Kurose T, Sugimoto H, Imura T, Yokoi , Mikami D, Kasuno K, Kurosawa H, Hirayama Y, Naiki H, Hara M, and Iwano M:

Chronic hypoxia exacerbates diabetic glomerulosclerosis through mesangiolysis and podocyte injury in db/db mice

Nephrol Dial Transplant. 2020 Jun 29:gfaa074. doi: 10.1093/ndt/gfaa074.

<https://academic.oup.com/ndt/article-lookup/doi/10.1093/ndt/gfaa074>

Takahashi Y, Sawada G, Kurashige J, Uchi R, Matsumura T, Ueo H, Takano Y, Eguchi H, Sudo T, Sugimachi K, Yamamoto H, Doki Y, Mori M, Mimori K:

Amplification of PVT-1 is involved in poor prognosis via apoptosis inhibition in colorectal cancers

Br J Cancer. 2013 Nov 5. doi: 10.1038/bjc.2013.698.

<http://www.nature.com/bjc/journal/vaop/ncurrent/full/bjc2013698a.html>

Takahashi K, Yamada T, Tsukita S, Kaneko K, Shirai Y, Munakata Y, Ishigaki Y, Imai J, Uno K, Hasegawa Y, Sawada S, Oka Y, Katagiri H:

Chronic mild stress alters circadian expressions of molecular clock genes in the liver

Am J Physiol Endocrinol Metab. 2012 Dec 4.

<http://ajpendo.physiology.org/cgi/pmidlookup?view=reprint&pmid=23211520>

Takasu S, Ishii Y, Kijima A, Ogawa K, Nakane S, Umemura T:

Furan Induced Characteristic Glutathione S-Transferase Placental Form-Positive Foci in Terms of Cell Kinetics and Gene Expression

Toxicol Pathol. 2020 Aug 24:192623320948782. doi: 10.1177/0192623320948782.

<https://journals.sagepub.com/doi/abs/10.1177/0192623320948782>

Takeda H, Miwa T, Kim MY, Choi BY, Orita Y, Minoda R:

Prenatal electroporation-mediated gene transfer restores Slc26a4 knock-out mouse hearing and vestibular function

Sci Rep. 2019 Nov 29;9(1):17979. doi: 10.1038/s41598-019-54262-3.

<https://www.nature.com/articles/s41598-019-54262-3>

Takemura S, Isonishi A, Horii-Hayashi N, Tanaka T, Tatsumi K, Komori T, Yamamuro K, Yamano M, Nishi M, Makinodan M, Wanaka A:

Juvenile social isolation affects the structure of the tanycyte-vascular interface in the hypophyseal portal system of the adult mice

Neurochem Int. 2022 Nov 7:105439. doi: 10.1016/j.neuint.2022.105439.
<https://doi.org/10.1016/j.neuint.2022.105439>

Takenouchi Y, Hosomichi J, Angkanawaraphan K, Maeda H, Hong H, Changsiripun C, Ono T:
Sex- and subregion-specific vulnerability of the hippocampus and amygdala to intermittent hypoxia in relation to learning/memory function and anxiety tendencies of infant rats
Sleep Breath. 2025 Jun 9;29(3):209. doi: 10.1007/s11325-025-03382-4.
<https://doi.org/10.1007/s11325-025-03382-4>

Takeshita T, Yamamoto Y, Yamamoto-Ibusuki M, Inao T, Sueta A, Fujiwara S, Omoto Y, and Iwase H:
Droplet digital polymerase chain reaction assay for screening of ESR1 mutations in 325 breast cancer specimens
Translational Research, Sep 14, doi:10.1016/j.trsl.2015.09.003
<http://www.sciencedirect.com/science/article/pii/S1931524415003060>

Takeuchi A, Takahashi Y, Iida K, Hosokawa M, Irie K, Ito M, Brown JB, Ohno K, Nakashima K, Hagiwara M:
Identification of Qk as a Glial Precursor Cell Marker that Governs the Fate Specification of Neural Stem Cells to a Glial Cell Lineage
Stem Cell Reports. 2020 Sep 7:S2213-6711(20)30341-6. doi: 10.1016/j.stemcr.2020.08.010.
<https://www.sciencedirect.com/science/article/pii/S2213671120303416>

Takizawa S, Sakiyama K, Bando Y, Inoue K, Sakashita H, Ogasawara Y, Amano O, Sakashita H:
Influence of high mobility group box 1 (HMGB1) derived from SCC7 cells on mouse normal tongue muscle fibers
Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology, 2018 May 3, ISSN 2212-5558
<https://www.sciencedirect.com/science/article/pii/S2212555818300504>

Tamaki T, Iwakawa M, Ohno T, Imadome K, Nakawatari M, Sakai M, Tsujii H, Nakano T, Imai T:
Application of carbon-ion beams or gamma-rays on primary tumors does not change the expression profiles of metastatic tumors in an in vivo murine model
Int J Radiat Oncol Biol Phys 74(1):210-8 (2009)
<http://www.redjournal.org/article/S0360-3016%2809%2900091-1/abstract>

Tamura, J., Konno, A., Hashimoto, Y., and Kon, Y.:
Upregulation of renal renin-angiotensin system in mouse diabetic nephropathy
Jpn J Vet Res 53(1-2): 13-26 (2005)
<http://sciencelinks.jp/j-east/article/200522/000020052205A0809708.php>

Tan T, Jiang L, He Z, Ding X, Xiong X, Tang M, Chen Y, Tang Y:
NR1 Splicing Variant NR1a in Cerebellar Granule Neurons Constitutes a Better Motor Learning in the Mouse
Cerebellum. 2023 Oct 25. doi: 10.1007/s12311-023-01614-5.
<https://doi.org/10.1007/s12311-023-01614-5>

Tan Y, Delvaux E, Nolz J, Coleman PD, Chen S, Mastroeni D:
Upregulation of HDAC2 in Laser Capture Nigral Microglia in Parkinson's Disease
Neurobiology of Aging, 2018, ISSN 0197-4580, <https://doi.org/10.1016/j.neurobiolaging.2018.02.018>.
<https://www.sciencedirect.com/science/article/pii/S0197458018300629>

Tanaka H, Hashimoto N, Kawai S, Yumoto E, Shibata K, Tameshige T, Yamamoto Y, Sugimoto K, Asahina M, Ikeuchi M:
Auxin-induced WUSCHEL-RELATED HOMEBOX13 Mediates Asymmetric Activity of Callus Formation upon Cutting
Plant Cell Physiol. 2022 Oct 20:pcac146. doi: 10.1093/pcp/pcac146.

<https://doi.org/10.1093/pcp/pcac146>

Tanaka Y, Kadota S, Zhao J, Kobayashi H, Okano S, Izumi M, Honda Y, Ichimura H, Shiba N, Uemura T, Wada Y, Chuma S, Nakada T, Tohyama S, Fukuda K, Yamada M, Seto T, Kuwahara K, Shiba Y:
Mature human induced pluripotent stem cell-derived cardiomyocytes promote angiogenesis through alpha-B crystallin

Stem Cell Res Ther. 2023 Sep 7;14(1):240. doi: 10.1186/s13287-023-03468-4.

<https://doi.org/10.1186/s13287-023-03468-4>

Tam A, Tanabe N, Churg A, Wright JL, Hogg JC, Sin DD:

Sex differences in lymphoid follicles in COPD airways

Respir Res. 2020 Feb 7;21(1):46. doi: 10.1186/s12931-020-1311-8.

<https://respiratory-research.biomedcentral.com/articles/10.1186/s12931-020-1311-8>

Tamaru T, Kobayakawa K, Saiwai H, Konno D, Kijima K, Yoshizaki S, Hata K, Iura H, Ono G, Haruta Y, Kitade K, Iida KI, Kawaguchi KI, Matsumoto Y, Kubota K, Maeda T, Okada S, Nakashima Y:

Glial scar survives until the chronic phase by recruiting scar-forming astrocytes after spinal cord injury

Exp Neurol. 2022 Nov 3;114264. doi: 10.1016/j.expneurol.2022.114264.

<https://doi.org/10.1016/j.expneurol.2022.114264>

Taruno A, Vingtdoux V, Ohmoto M, Ma Z, Dvoryanchikov G, Li A, Adrien L, Zhao H, Leung S, Abernethy M, Koppel J, Davies P, Civan MM, Chaudhari N, Matsumoto I, Hellekant G, Tordoff MG, Marambaud P, Foscett JK:

CALHM1 ion channel mediates purinergic neurotransmission of sweet, bitter and umami tastes

Nature. 2013 Mar 14;495(7440):223-6. doi: 10.1038/nature11906. Epub 2013 Mar 6.

<http://www.nature.com/nature/journal/v495/n7440/full/nature11906.html>

Tatsumi K, Kinugawa K, Isonishi A, Kitabatake M, Okuda H, Takemura S, Tanaka T, Mori E, Wanaka A:

Olig2-astrocytes express neutral amino acid transporter SLC7A10 (Asc-1) in the adult brain

Mol Brain. 2021 Nov 8;14(1):163. doi: 10.1186/s13041-021-00874-8.

<https://molecularbrain.biomedcentral.com/articles/10.1186/s13041-021-00874-8>

Te N, Rodon J, Pérez M, Segalés J, Vergara-Alert J, Bensaid A:

Enhanced replication fitness of MERS-CoV clade B over clade A strains in camelids explains the dominance of clade B strains in the Arabian Peninsula

Emerg Microbes Infect. 2021 Dec 17;1-51. doi: 10.1080/22221751.2021.2019559.

<https://www.tandfonline.com/doi/pdf/10.1080/22221751.2021.2019559>

Telezhkin V, Straccia M, Yarova P, Pardo M, Yung S, Vinh NN, Hancock JM, Barriga GG, Brown DA, Rosser AE, Brown JT, Canals JM, Randall AD, Allen ND, Kemp PJ:

Kv7 channels are upregulated during striatal neuron development and promote maturation of human iPSC-derived neurons

Pflugers Arch. 2018 May 24. doi: 10.1007/s00424-018-2155-7.

<https://dx.doi.org/10.1007/s00424-018-2155-7>

Tennakoon AH, Izawa T, Wijesundera KK, Katou-Ichikawa C, Tanaka M, Golbar HM, Kuwamura M, Yamate J:

Analysis of glial fibrillary acidic protein (GFAP)-expressing ductular cells in a rat liver cirrhosis model induced by repeated injections of thioacetamide (TAA)

Exp Mol Pathol. 2015 Mar 7. pii: S0014-4800(15)00045-3. doi: 10.1016/j.yexmp.2015.03.010.

[http://linkinghub.elsevier.com/retrieve/pii/S0014-4800\(15\)00045-3](http://linkinghub.elsevier.com/retrieve/pii/S0014-4800(15)00045-3)

Teske K, Erickson NA, Huck A, Dзамukova M, Fulde M, Heinbokel T, Horst D, Klymiuk N, Pastille E, Mekes-Adamczyk A, Löhning M, Gruber AD, Glauben R, Mundhenk L:

The impact of disease and species differences on the intestinal CLCA4 gene expression

J Mol Med (Berl). 2025 Apr 12. doi: 10.1007/s00109-025-02538-9.

<https://doi.org/10.1007/s00109-025-02538-9>

Tezuka Y, Eguchi-Ishimae M, Ozaki E, Ito T, Ishii E, Eguchi M:

Activation of fibroblast growth factor-inducible 14 in the early phase of childhood IgA nephropathy

PLoS One. 2021 Oct 1;16(10):e0258090. doi: 10.1371/journal.pone.0258090. eCollection 2021.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0258090>

Tezuka T, Nosaka-Takahashi M, Yoshikawa T, Sato Y

RNA Extraction from Rice Immature Embryo Using Laser Capture Microdissection

Methods in Molecular Biology, vol 2869. (2025) in: Kawakatsu, T. (eds) Rice.

https://doi.org/10.1007/978-1-0716-4204-7_4

Thakare D, Yang R, Steffen JG, Zhan J, Wang D, Clark RM, Wang X, Yadegari R:

RNA-Seq analysis of laser-capture microdissected cells of the developing central starchy endosperm of maize

Genomics Data, Volume 2, December 2014, Pages 242–245

<http://www.sciencedirect.com/science/article/pii/S2213596014000610>

Thoeni C, Waldherr R, Scheuerer J, Schmitteckert S, Roeth R, Niesler B, Cutz E, Flechtenmacher C, Goeppert B, Schirmacher P, Lasitschka F:

Expression Analysis of ATP-Binding Cassette Transporters ABCB11 and ABCB4 in Primary Sclerosing Cholangitis and Variety of Pediatric and Adult Cholestatic and Noncholestatic Liver Diseases

Can J Gastroenterol Hepatol. 2019 Dec 10;2019:1085717. doi: 10.1155/2019/1085717. eCollection 2019.

<https://dx.doi.org/10.1155/2019/1085717>

Tinkum KL, White LS, Marpegan L, Herzog E, Piwnicka-Worms D, Piwnicka-Worms H:

Forkhead Box O1 (FOXO1), but not p53, Contributes to Robust Induction of p21 Expression in Fasted Mice

J Biol Chem. 2013 Aug 5.

<http://www.jbc.org/cgi/pmidlookup?view=long&pmid=23918930>

Tiwari NK, Sathyanesan M, Schweinle W, Newton SS:

Carbamoylated erythropoietin induces a neurotrophic gene profile in neuronal cells

Prog Neuropsychopharmacol Biol Psychiatry. 2019 Jan 10;88:132-141. doi: 10.1016/j.pnpbp.2018.07.011.

<https://www.sciencedirect.com/science/article/pii/S0278584618301222>

Tjaden J:

Der Einfluss von VEGF auf die synaptische Plastizität von Purkinjezellen

Thesis (German language), 2021

https://web.archive.org/web/20220426161457id_/https://hss-opus.ub.ruhr-uni-bochum.de/opus4/frontdoor/deliver/index/docId/8524/file/diss.pdf

Tjaden J, Eickhoff A, Stahlke S, Gehmeyr J, Vorgerd M, Theis V, Matschke V and Theiss C:

Expression Pattern of T-Type Ca²⁺ Channels in Cerebellar Purkinje Cells after VEGF Treatment

Cells 2021, 10(9), 2277; <https://doi.org/10.3390/cells10092277>

<https://www.mdpi.com/2073-4409/10/9/2277/htm>

Tokizane K, Brace CS, Imai SI:

DMH^{Ppp1r17} neurons regulate aging and lifespan in mice through hypothalamic-adipose inter-tissue communication

Cell Metab. 2024 Jan 1;S1550-4131(23)00462-X. doi: 10.1016/j.cmet.2023.12.011.

<https://doi.org/10.1016/j.cmet.2023.12.011>

Tonade D, Liu H, Kern TS:

Photoreceptor Cells Produce Inflammatory Mediators That Contribute to Endothelial Cell Death in Diabetes

Invest Ophthalmol Vis Sci. 2016 Aug 1;57(10):4264-71. doi: 10.1167/iovs.16-19859.

<http://iovs.arvojournals.org/article.aspx?doi=10.1167/iovs.16-19859>

Toraih EA, Hussein MH, Ageeli EA, Ellaban M, Kattan SW, Moroz K, Fawzy MS, and Kandil E :

Matrix Metalloproteinase 9/microRNA-145 Ratio: Bridging Genomic and Immunological Variabilities in Thyroid Cancer

Biomedicines 2023, 11, 2953.

<https://doi.org/10.3390/biomedicines11112953>

Toriyama K, Masago K, Shibata N, Haneda M, Kuwahara T, Natsume S, Kobayashi S, Fujita Y, Sasaki E, Yamao K, Kawashima H, Shimizu Y, Hara K, Yatabe Y, Hosoda W:

Clinicopathological and molecular characterization of KRAS wild-type pancreatic ductal adenocarcinomas reveals precursor lesions with oncogenic mutations and fusions in RAS pathway genes

J Pathol. 2025 May 2. doi: 10.1002/path.6432.

<https://doi.org/10.1002/path.6432>

Tretiakova M, Hart J:

Laser microdissection for gene expression study of hepatocellular carcinomas arising in cirrhotic and non-cirrhotic livers

Methods Mol Biol. 2011;755:233-44

<http://www.springerlink.com/content/m86764hj8232665h/#section=924940&page=2&locus=87>

Tretiakova MS, Shabani-Rad MT, Guggisberg K, Hart J, Anders RA, Gao ZH:

Genomic and immunophenotypical differences between hepatocellular carcinoma with and without cirrhosis

Histopathology 56(6):683-93 (2010)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2559.2010.03554.x/full>

Tsoka P, Matsumoto H, Maidana DE, Kataoka K, Naoumidi I, Gravanis A, Vavvas DG, Tsilimbaris MK:

Effects of BNN27, a novel C17-spiroepoxy steroid derivative, on experimental retinal detachment-induced photoreceptor cell death

Sci Rep. 2018 Jul 13;8(1):10661. doi: 10.1038/s41598-018-28633-1.

<http://dx.doi.org/10.1038/s41598-018-28633-1>

Tsuchiyama K, Ito H, Taga M, Naganuma S, Oshinoya Y, Nagano KI, Yokoyama O, Itoh H

Expression of MicroRNAs associated with Gleason grading system in prostate cancer: miR-182-5p is a useful marker for high grade prostate cancer

Prostate. 2012 Nov 26. doi: 10.1002/pros.22626.

<http://dx.doi.org/10.1002/pros.22626>

Tsujihana K, Tanegashima K, Santo Y, Yamada H, Akazawa S, Nakao R, Tominaga K, Saito R, Nishito Y, Hata RI, Nakamura T, Murai I, Kono Y, Sugawa M, Tanioka M, Egawa G, Doi M, Isa T, Kabashima K, Hara T, Okamura H:

Circadian protection against bacterial skin infection by epidermal CXCL14-mediated innate immunity

Proc Natl Acad Sci U S A. 2022 Jun 21;119(25):e2116027119. doi: 10.1073/pnas.2116027119. Epub 2022 Jun 15.

<https://www.pnas.org/doi/epdf/10.1073/pnas.2116027119>

Tsukamoto S, Ishikawa T, Iida S, Ishiguro M, Mogushi K, Mizushima H, Uetake H, Tanaka H, Sugihara K:

Clinical Significance of Osteoprotegerin Expression in Human Colorectal Cancer

Clin Cancer Res 17(8):2444-50 (2011)
<http://clincancerres.aacrjournals.org/content/17/8/2444.short>

Tsukita S, Yamada T, Takahashi K, Munakata Y, Hosaka S, Takahashi H, Gao J, Shirai Y, Kodama S, Asai Y, Sugisawa T, Chiba Y, Kaneko K, Uno K, Sawada S, Imai J, Katagiri H:
MicroRNAs 106b and 222 Improve Hyperglycemia in a Mouse Model of Insulin-Deficient Diabetes via Pancreatic β -Cell Proliferation

The Lancet, Ebiomedicine, EBIOM-00890, 2016 Dec 07
[http://www.ebiomedicine.com/article/S2352-3964\(16\)30580-1/abstract](http://www.ebiomedicine.com/article/S2352-3964(16)30580-1/abstract)

Tsutsui K, Nakayama M, Ogasawara S, Akiba J, Kondo R, Mihara Y, Yano Y, Mizuochi S, Kinjo Y, Murotani K, Yano H:
Clinicopathological characteristics and molecular analysis of lymphocyte-rich hepatocellular carcinoma

Hum Pathol. 2023 Sep 22:S0046-8177(23)00189-2. doi: 10.1016/j.humpath.2023.09.004.
<https://doi.org/10.1016/j.humpath.2023.09.004>

Tsutsui S, Yoshinaga T, Komiya K, Yamashita H, Nakamura O:
Differential expression of skin mucus C-type lectin in two freshwater eel species, *Anguilla marmorata* and *Anguilla japonica*

Dev Comp Immunol. 2016 Mar 26. pii: S0145-305X(16)30115-X. doi: 10.1016/j.dci.2016.03.027.
[http://linkinghub.elsevier.com/retrieve/pii/S0145-305X\(16\)30115-X](http://linkinghub.elsevier.com/retrieve/pii/S0145-305X(16)30115-X)

Tu T, Gao Z, Li L, Chen J, Ye K, Xu T, Mai S, Han Q, Chen C, Wu S, Dong Y, Chen J, Huang L, Guan Y, Xie F, Chen X:

Soybean symbiotic-nodule zonation and cell differentiation are defined by NIN2 signaling and GH3-dependent auxin homeostasis

Dev Cell. 2024 Jul 17:S1534-5807(24)00424-6. doi: 10.1016/j.devcel.2024.07.001.
<https://doi.org/10.1016/j.devcel.2024.07.001>

Tuomisto, T.T., Korkeela, A., Rutanen, J., Viita, H., Brasen, J.H., Riekkinen, M.S., Rissanen, T.T., Karkola, K., Kiraly, Z., Kolble, K., and Yla-Herttuala, S.:
Gene expression in macrophage-rich inflammatory cell infiltrates in human atherosclerotic lesions as studied by laser microdissection and DNA array: overexpression of HMG-CoA reductase, colony stimulating factor receptors, CD11A/CD18 integrins, and interleukin receptors

Arterioscler Thromb Vasc Biol 23(12): 2235-2240 (2003)
<http://atvb.ahajournals.org/cgi/content/full/23/12/2235>

Tuomisto, T.T. and Yla-Herttuala, S.:
What have we learnt about microarray analyses of atherogenesis?

Curr Opin Lipidol 16(2): 201-205 (2005)
<http://journals.lww.com/co-lipidology/pages/articleviewer.aspx?year=2005&issue=04000&article=00011&type=abstract>

Ubels JL, Gipson IK, Spurr-Michaud SJ, Tisdale AS, Van Dyken RE, Hatton MP:
Gene Expression in Human Accessory Lacrimal Glands of Wolfing

Invest Ophthalmol Vis Sci. 2012 Sep 6.
<http://www.iovs.org/cgi/pmidlookup?view=long&pmid=22956620>

Uchiyama S, Itoh H, Naganuma S, Nagaike K, Fukushima T, Tanaka H, Hamasuna R, Chijiwa K, Kataoka H:

Enhanced expression of hepatocyte growth factor activator inhibitor type 2-related small peptide at the invasive front of colon cancers

Gut. 2007 Feb;56(2):215-26
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1856747/?tool=pubmed>

Uemasu K, Tanabe N, Tanimura K, Hasegawa K, Mizutani T, Hamakawa Y, Sato S, Ogawa E, Thomas MJ, Ikegami M, Muro S, Hirai T, Sato A:

Serine Protease Imbalance in the Small Airways and Development of Centrilobular Emphysema in COPD

Am J Respir Cell Mol Biol. 2020 Feb 26. doi: 10.1165/rcmb.2019-0377OC.

<https://www.atsjournals.org/doi/abs/10.1165/rcmb.2019-0377OC>

Ueno S, Yoneshige A, Koriyama Y, Hagiyaama M, Shimomura Y, Ito A:

Early Gene Expression Profile in Retinal Ganglion Cell Layer After Optic Nerve Crush in Mice

Invest Ophthalmol Vis Sci. 2018 Jan 1;59(1):370-380. doi: 10.1167/iovs.17-22438.

<http://iovs.arvojournals.org/article.aspx?articleid=2670450>

Ulbrich P, Morton L, Briese M, Lämmlin N, Mattern H, Hasanuzzaman Md, Westhues M, Khoshneviszadeh M, Appenzeller S, Gündel D, Toussaint M, Brust P, Kniess T, Oelschlegel A, Goldschmidt J, Meuth S, Heinze HJ, Debska-Vielhaber G, Vielhaber S, Becker A, Dityatev A, Jandke S, Sendtner M, Dunay I, Schreiber S:

Vascular and neural transcriptomics reveal stage-dependent pathways to inflammation and cognitive dysfunction in a rat model of hypertension

bioRxiv, 21 Jan 2023 doi: <https://doi.org/10.1101/2023.01.20.524921>

<https://doi.org/10.1101/2023.01.20.524921>

Uozaki H, Morita S, Kumagai A, Aso T, Soejima Y, Takahashi Y and Fukusato T:

Stromal miR-21 is more important than miR-21 of tumour cells for the progression of gastric cancer

Histopathology, SN - 1365-2559, 8 Jul 2014, doi: 10.1111/his.12491

<http://dx.doi.org/10.1111/his.12491>

Valente AL, Kane JL, Ellsworth DL, Shriver CD, Ellsworth RE:

Molecular response of the axillary lymph node microenvironment to metastatic colonization

J Clinical & Experimental Metastasis, April 2014; 10.1007/s10585-014-9650-9

<http://link.springer.com/article/10.1007/s10585-014-9650-9#>

van den Akker PC, Nijenhuis M, Meijer G, Hofstra RM, Jonkman MF, Pasmooij AM

Natural Gene Therapy in Dystrophic Epidermolysis Bullosa

Arch Dermatol. 2011 Oct 17. [Epub ahead of print]

<http://archderm.ama-assn.org/cgi/content/full/archdermatol.2011.298>

van der Aart TJ, Molema G, Jongman RM, Bouma HR, Koeze J, Moser J, van Londen M, Hackl M, Diendorfer AB, Ter Maaten JC, van Meurs M, Luxen M:

Uncovering molecular markers of the microvascular endothelial response in sepsis-associated acute kidney injury: a translational study in mice and humans

Intensive Care Med Exp. 2025 Sep 2;13(1):92. doi: 10.1186/s40635-025-00801-4.

<https://doi.org/10.1186/s40635-025-00801-4>

van Royen, N., Voskuil, M., Hoefer, I., Jost, M., de Graaf, S., Hedwig, F., Andert, J.P., Wormhoudt, T.A., Hua, J., Hartmann, S., Bode, C., Buschmann, I., Schaper, W., van der Neut, R., Piek, J.J., and Pals, S.T.:

CD44 regulates arteriogenesis in mice and is differentially expressed in patients with poor and good collateralization

Circulation 109(13): 1647-1652 (2004)

<http://circ.ahajournals.org/cgi/content/full/109/13/1647>

Vaira V, Favarsani A, Dohi T, Montorsi M, Augello C, Gatti S, Coggi G, Altieri DC, Bosari S

miR-296 regulation of a cell polarity-cell plasticity module controls tumor progression

Oncogene. 2012 Jan 5;31(1):27-38. doi: 10.1038/onc.2011.209.

<http://dx.doi.org/10.1038/onc.2011.209>

Valdés P, Mercado G, Vidal RL, Molina C, Parsons G, Court FA, Martinez A, Galleguillos D, Armentano D, Schneider BL, Hetz C:

Control of dopaminergic neuron survival by the unfolded protein response transcription factor XBP1

Proc Natl Acad Sci U S A. 2014 Apr 21.

<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=24753614>

van Hooren L, Vaccaro A, Ramachandran M, Vazaios K, Libard S, van de Walle T, Georganaki M, Huang H, Pietilä I, Lau J, Ulvmar MH, Karlsson MCI, Zetterling M, Mangsbo SM, Jakola AS, Olsson Bontell T, Smits A, Essand M, Dimberg A:

Agonistic CD40 antibody therapy induces tertiary lymphoid structures but impairs the response to immune checkpoint blockade in glioma

bioRxiv, 06 Jan 2021, doi: <https://doi.org/10.1101/2021.01.05.425377>

<https://www.biorxiv.org/content/10.1101/2021.01.05.425377v1.full>

van Wageningen TA, Gerrits E, Brouwer N, Brevé JJP, Geurts JJG, Eggen BJL, Boddeke HWGME, van Dam AM:

Distinct gene expression in demyelinated white and grey matter areas of patients with multiple sclerosis

Brain Commun. 2022 Jan 17;4(2):fcac005. doi: 10.1093/braincomms/fcac005. eCollection 2022.

<https://pure.rug.nl/ws/portalfiles/portal/216904699/fcac005.pdf>

van Wageningen, T.A., Gerrits, E., Geleijnse, A., Brouwer, N., Geurts, J.J.G., Eggen, B.J.L., Boddeke, H.W.G.M., van Dam, A-M.:

Distinct gene expression profiles in leukocortical demyelinated white and grey matter areas of Multiple Sclerosis patients

bioRxiv, Jun 2020, 10.1101/2020.06.03.131300

<https://www.biorxiv.org/content/10.1101/2020.06.03.131300v1>

Vavříňová A, Behuliak M, Bencze M, Vodička M, Ergang P, Vaněčková I, Zicha J:

Sympathectomy-induced blood pressure reduction in adult normotensive and hypertensive rats is counteracted by enhanced cardiovascular sensitivity to vasoconstrictors

Hypertens Res. 2019 Sep 17. doi: 10.1038/s41440-019-0319-2.

<https://www.nature.com/articles/s41440-019-0319-2>

Vega, C.J.:

Laser microdissection sample preparation for RNA analyses

Methods Mol Biol 414: 241-252 (2008)

<http://www.springerlink.com/content/t61576w4h02hr518/#section=82444&page=1>

Velada I, Menéndez E, Teixeira RT, Cardoso H, and Peixe A:

Laser Microdissection of Specific Stem-Base Tissue Types from Olive Microcuttings for Isolation of High-Quality RNA

Biology 2021, 10, 209. <https://doi.org/10.3390/biology10030209>

<https://www.mdpi.com/2079-7737/10/3/209>

Venables T, Griffith AV, DeAraujo A, Petrie HT:

Dynamic changes in epithelial cell morphology control thymic organ size during atrophy and regeneration

Nat Commun. 2019 Sep 27;10(1):4402. doi: 10.1038/s41467-019-11879-2.

<https://www.nature.com/articles/s41467-019-11879-2.pdf>

Venugopal S, Ghulam-Jhelani Z, Ahn IS, Yang X, Wiedau M, Simmons D, Chandler SH:

Early deficits in GABA inhibition parallels an increase in L-type Ca²⁺ currents in the jaw motor neurons of SOD1G93A mouse model for ALS

Neurobiol Dis. 2023 Jan 6;105992. doi: 10.1016/j.nbd.2023.105992.

<https://doi.org/10.1016/j.nbd.2023.105992>

Verckist L, Lembrechts R, Thys S, Pintelon I, Timmermans JP, Brouns I, Adriaensen D:

Selective gene expression analysis of the neuroepithelial body microenvironment in postnatal lungs with special interest for potential stem cell characteristics

Respir Res. 2017 May 8;18(1):87. doi: 10.1186/s12931-017-0571-4.

<https://respiratory-research.biomedcentral.com/articles/10.1186/s12931-017-0571-4>

Verdelli C, Forno I, Morotti A, Creo P, Guarnieri V, Scillitani A, Cetani F, Vicentini L, Balza G, Beretta E, Ferrero S, Vaira VA, Corbetta S:

The aberrantly expressed miR-372 partly impairs sensitivity to apoptosis in parathyroid tumor cells

Endocr Relat Cancer. 2018 May 3. pii: ERC-17-0204. doi: 10.1530/ERC-17-0204.

<http://erc.endocrinology-journals.org/content/early/2018/05/03/ERC-17-0204.abstract>

Vicidomini R, Tortoriello G, Furia M, Polese G:

Laser Microdissection Applied to Gene Expression Profiling of Subset of Cells from the Drosophila Wing Disc

J Vis Exp (38) (2010)

Includes video:

<https://www.jove.com/details.stp?id=1895>

Vidaña B, Martínez J, Martorell J, Montoya M, Córdoba L, Pérez M, Majó N:

Involvement of the different lung compartments in the pathogenesis of pH1N1 influenza virus infection in ferrets

Vet Res. 2016 Nov 8;47(1):113.

<https://veterinaryresearch.biomedcentral.com/articles/10.1186/s13567-016-0395-0>

Visioli F, Wang Y, Alam GN, Ning Y, Rados PV, Nör JE, Polverini PJ:

Glucose-Regulated Protein 78 (Grp78) Confers Chemoresistance to Tumor Endothelial Cells under Acidic Stress

PLoS One. 2014 Jun 25;9(6):e101053. doi: 10.1371/journal.pone.0101053. eCollection 2014.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0101053#pone-0101053-g006>

Vissers G, Peek R, Verdurmen WPR, Nap AW:

Endometriotic tissue fragments are viable after cryopreservation in an ex vivo tissue model recapitulating the fibrotic microenvironment

Hum Reprod. 2024 Jul 18;deae164. doi: 10.1093/humrep/deae164.

<https://doi.org/10.1093/humrep/deae164>

Vlachos A, Ikenberg B, Lenz M, Becker D, Reifenberg K, Bas-Orth C, Deller T:

Synaptopodin regulates denervation-induced homeostatic synaptic plasticity

Proc Natl Acad Sci U S A. 2013 Apr 29.

<http://www.pnas.org/cgi/lookup?view=long&pmid=23630268>

Vodička M, Ergang P, Mikulecká A, Řeháková L, Klusoňová P, Makal J, Soták M, Musílková J, Zach P, Pácha J:

Regulation of 11 β -Hydroxysteroid Dehydrogenase Type 1 and 7 α -Hydroxylase CYP7B1 during Social Stress

PLoS ONE 9(2): e89421. doi: 10.1371/journal.pone.0089421

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0089421#pone-0089421-g008>

Vormittag-Nocito E, Acosta AM, Agarwal S, Narayan KD, Kumar R, Al Rasheed MRH, Kajdacsy-Balla A, Behm FG, Mohapatra G:

In-Depth Comparison of Genetic Variants Demonstrates a Close Relationship between Invasive and Intraductal Components of Prostate Cancer

Modern Pathology (2023), doi: <https://doi.org/10.1016/j.modpat.2023.100130>.

<https://doi.org/10.1016/j.modpat.2023.100130>

Wada T, Senokuchi T, Shi Y, Furusho T, Morita Y, Sarie M, Hanatani S, Fukuda K, Ishii N, Matsumura T, Fujiwara Y, Komohara Y, Araki E, Kubota N:

Orally administrated acetate inhibits atherosclerosis progression through AMPK activation via GPR43 in plaque macrophages

Atherosclerosis. 2024 Dec 12;401:119088. doi: 10.1016/j.atherosclerosis.2024.119088.

<https://doi.org/10.1016/j.atherosclerosis.2024.119088>

Wada Y, Matsuura M, Sugawara M, Ushijima M, Miyata S, Nagasaki K, Noda T, Miki Y:

Development of detection method for novel fusion gene using GeneChip exon array

J Clin Bioinforma. 2014 Feb 18;4(1):3.

<http://www.jclinbioinformatics.com/content/4/1/3>

Wagner F:

Genexpressionsstudien zur Etablierung der adulten murinen organotypischen Retinakultur als Modell für gentherapeutische Ansätze

Thesis (German language), July 2019

http://geb.uni-giessen.de/geb/volltexte/2019/14890/pdf/WagnerFranziska_2019_10_10.pdf

Wahlin KJ, Hackler L Jr, Adler R, Zack DJ:

Alternative splicing of neuroligin and its protein distribution in the outer plexiform layer of the chicken retina

J Comp Neurol. 2010 Dec 15;518(24):4938-62

<http://dx.doi.org/10.1002/cne.22499>

Wainwright DA, Mesnard NA, Xin J, Sanders VM, Jones KJ:

Effects of facial nerve axotomy on Th2-associated and Th1-associated chemokine mRNA expression in the facial motor nucleus of wild-type and presymptomatic SOD1 mice

J Neurodegener Regen 2(1):39-44 (2009)

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2861580/>

Walsh HL:

Application of Molecular Pathology Techniques to Understand Mechanisms of Disease in Smallmouth Bass

Thesis 2018

<https://researchrepository.wvu.edu/cgi/viewcontent.cgi?article=4696&context=etd>

Walsh HL, Sperry AJ, Blazer VS:

The effects of tissue fixation on sequencing and transcript abundance of nucleic acids from microdissected liver samples of smallmouth bass (*Micropterus dolomieu*)

PLoS One. 2020 Aug 10;15(8):e0236104. doi: 10.1371/journal.pone.0236104.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0236104>

Wamunyokoli, F.W., Bonome, T., Lee, J.Y., Feltmate, C.M., Welch, W.R., Radonovich, M., Pise-Masison, C., Brady, J., Hao, K., Berkowitz, R.S., Mok, S., and Birrer, M.J.:

Expression profiling of mucinous tumors of the ovary identifies genes of clinicopathologic importance

Clin Cancer Res 12(3 Pt 1): 690-700 (2006)

<http://clincancerres.aacrjournals.org/content/12/3/690.long>

Wan Y, Slevin E, Koyama S, Huang CK, Shetty AK, Li X, Harrison K, Li T, Zhou B, Lorenzo SR, Zhang Y, Salinas JM, Xu W, Klaunig JE, Wu C, Tsukamoto H, Meng F:
miR-34a regulates macrophage-associated inflammation and angiogenesis in alcohol-induced liver injury

Hepatol Commun. 2023 Apr 4;7(4):e0089. doi: 10.1097/HC9.0000000000000089.
<https://doi.org/10.1097%2FHC9.0000000000000089>

Wang D, Nguyen MM, Masoodi KZ, Singh P, Jing Y, O'Malley K, Dhir R, Wang Z:
Splicing factor Prp8 interacts with NESAR and regulates androgen receptor in prostate cancer cells

Mol Endocrinol. 2015 Sep 15;me20151112.
http://press.endocrine.org/doi/10.1210/me.2015-1112?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed

Wang F, Zhao S, Deng D, Wang W, Xu X, Liu X, Zhao S, Yu M:
Integrating LCM-Based Spatio-Temporal Transcriptomics Uncovers Conceptus and Endometrial Luminal Epithelium Communication that Coordinates the Conceptus Attachment in Pigs

Int J Mol Sci. 2021 Jan 27;22(3):1248. doi: 10.3390/ijms22031248.
<https://www.mdpi.com/resolver?pii=ijms22031248>

Wang J, Zhang, J, Chen X, Yang Y, Wang F, Li W, Awuti M, Sun Y, Lian C, Li Z, Wang M, Xu J-Y, Jin C, Tian H, Gao F, Zhang J, Sinha D, Lu L, Xu G-T:

miR-365 promotes diabetic retinopathy through inhibiting Timp3 and increasing oxidative stress
Experimental Eye Research, 0014-4835, 28 Nov 2017, <https://doi.org/10.1016/j.exer.2017.11.006>
<https://www.sciencedirect.com/science/article/pii/S0014483517305055>

Wang P, Du S, Guo C, Ni Z, Huang Z, Deng N, Bao H, Deng W, Lu J, Kong S, Zhang H, Wang H:
The presence of blastocyst within the uteri facilitates luminal epithelium transformation for implantation via upregulating lysosome proteostasis activity

Autophagy. 2023 Aug 22;1-18. doi: 10.1080/15548627.2023.2247747.
<https://doi.org/10.1080/15548627.2023.2247747>

Wang P, Li H, Barde S, Zhang MD, Sun J, Wang T, Zhang P, Luo H, Wang Y, Yang Y, Wang C, Svenningsson P, Theodorsson E, Hökfelt TG, Xu ZQ:

Depression-like behavior in rat: Involvement of galanin receptor subtype 1 in the ventral periaqueductal gray

Proc Natl Acad Sci U S A. 2016 Aug 9;113(32):E4726-35. doi: 10.1073/pnas.1609198113.
<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=27457954>

Wang R, Dang, P, Niu Z:

Expression of the matrix gla protein (MGP) gene in different developmental stages of mouse mandibular first molar root

Biomedical Research, Jun 2017
<http://www.alliedacademies.org/articles/expression-of-the-matrix-gla-protein-mgp-gene-in-different-developmental-stages-of-mouse-mandibular-first-molar-root.html>

Wang R, Li J, Zhou X, Mao Y, Wang W, Gao S, Wang W, Gao Y, Chen K, Yu S, Wu X, Wen L, Ge H, Fu W, Tang F:

Single-cell genomic and transcriptomic landscapes of primary and metastatic colorectal cancer tumors

Genome Med. 2022 Aug 16;14(1):93. doi: 10.1186/s13073-022-01093-z.
<https://genomemedicine.biomedcentral.com/articles/10.1186/s13073-022-01093-z>

Wang, X., Zhang, G., and Li, Y.:

Establishment of in situ hybridization technique for detection of parvovirus B19 and its clinical application

Zhonghua Shi Yan He Lin Chuang Bing Du Xue Za Zhi 14(3): 268-270 (2000)

http://en.cnki.com.cn/Article_en/CJFDTOTAL-ZHSB200003022.htm

Wang Y:

Role of macrophage CB1 in atherosclerosis

Thesis, 2024

https://edoc.ub.uni-muenchen.de/33355/6/Wang_Yong.pdf

Wang Y, Guo R, Chen B, Rahman T, Cai L, Yizhi L, Dong Y, Tseng GC, Fang J, Seney ML, Huang YH:
Cocaine-induced neural adaptations in the lateral hypothalamic melanin-concentrating hormone neurons and the role in regulating rapid eye movement sleep after withdrawal

Mol Psychiatry. 2020 Oct 22. doi: 10.1038/s41380-020-00921-1.

<https://www.nature.com/articles/s41380-020-00921-1>

Wang Y, Li G, Chen B, Shakir G, Volz M, van der Vorst EPC, Maas SL, Geiger M, Jethwa C, Bartelt A, Li Z, Wettich J, Sachs N, Maegdefessel L, Nazari Jahantigh M, Hristov M, Lacy M, Lutz B, Weber C, Herzig S, Guillaumat Prats R, Steffens S:

Myeloid cannabinoid CB1 receptor deletion confers atheroprotection in male mice by reducing macrophage proliferation in a sex-dependent manner

Cardiovasc Res. 2024 Jun 5:cvae125. doi: 10.1093/cvr/cvae125.

<https://doi.org/10.1093/cvr/cvae125>

Wang Z:

Microvascular endothelial activation in mouse sepsis: Focus on inflammatory activation and organ-specific responses

Thesis fully internal (DIV), University of Groningen

<https://research.rug.nl/en/publications/microvascular-endothelial-activation-in-mouse-sepsis-focus-on-inf>

Wang Z, Liu CH, Huang S, Fu Z, Tomita Y, Britton WR, Cho SS, Chen CT, Sun Y, Ma JX, and Chen J:
Wnt signaling activates MFSD2A to suppress vascular endothelial transcytosis and maintain blood-retinal barrier

Science Advances 28 Aug 2020: Vol. 6, no. 35, eaba7457; DOI: 10.1126/sciadv.aba7457

<https://advances.sciencemag.org/content/advances/6/35/eaba7457.full.pdf>

Wang Z, Yemanyi F, Blomfield AK, Bora K, Huang S, Liu CH, Britton WR, Cho SS, Tomita Y, Fu Z, Ma JX, Li WH, Chen J:

Amino acid transporter SLC38A5 regulates developmental and pathological retinal angiogenesis

Elife. 2022 Dec 1;11:e73105. doi: 10.7554/eLife.73105.

<https://elifesciences.org/articles/73105.pdf>

Wator G, Kołton-Wróż M, Wołkow P, Bełch L, Chłosta P, Szpor J, Klimkowska A, Nejman K, Józkowicz A, Piechota-Polańczyk A, Okoń K:

No differences in miRNA expression in the stroma of ERG+ and ERG- prostate cancers

Pol J Pathol 2023; 74 (4): 272-277

<https://doi.org/10.5114/pjp.2023.134304>

Wei Y, Gong J, Thimmulappa RK, Kosmider B, Biswal S, Duh EJ:

Nrf2 acts cell-autonomously in endothelium to regulate tip cell formation and vascular branching

Proc Natl Acad Sci U S A. 2013 Oct 8;110(41):E3910-E3918.

<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=24062466>

Wei Y, Gong J, Xu Z, Thimmulappa RK, Mitchell KL, Welsbie DS, Biswal S, Duh EJ:

Nrf2 in ischemic neurons promotes retinal vascular regeneration through regulation of semaphorin 6A

Proc Natl Acad Sci U S A. 2015 Nov 30. pii: 201512683.
<http://www.pnas.org/cgi/lookup?view=long&pmid=26621751>

XYLAN O-ACETYLTRANSFERASE 6 promotes xylan synthesis by forming a complex with IRX10 and governs wall formation in rice

Plant Cell. 2024 Dec 23;37(1):koae322. doi: 10.1093/plcell/koae322.
<https://dx.doi.org/10.1093/plcell/koae322>

Wendl JRWE:

Follikulogenese und Intermediärfilamente - Eine immunhistochemische Studie am Ovar des Rindes mit Verweisen auf Laser-Mikrodissektion und anschließender quantitativer Reverse-Transkriptase PCR

PhD thesis
http://edoc.ub.uni-muenchen.de/14022/1/Wendl_Josef_R.pdf

Wersinger E, Bordais A, Schwab Y, Sene A, Bénard R, Alunni V, Sahel JA, Rendon A, Roux MJ:

Re-Evaluation of Dystrophins Localization in the Mouse Retina

Invest Ophthalmol Vis Sci. 2011 Sep 6. [Epub ahead of print]
<http://www.iovs.org/content/early/2011/09/02/iovs.11-7519.long>

Whitehill JGA, Yuen MMS, Chiang A, Ritland CE, Bohlmann J:

Transcriptome features of stone cell development in weevil-resistant and susceptible Sitka spruce

New Phytol. 2023 Jul 4. doi: 10.1111/nph.19103.
<https://doi.org/10.1111/nph.19103>

Wiggs JL, Yaspan BL, Hauser MA, Kang JH, Allingham RR, et al.

Common Variants at 9p21 and 8q22 Are Associated with Increased Susceptibility to Optic Nerve Degeneration in Glaucoma

PLoS Genet 8(4): e1002654. doi:10.1371/journal.pgen.1002654
<http://www.plosgenetics.org/article/info%3Adoi%2F10.1371%2Fjournal.pgen.1002654>

Wijesundera KK, Izawa T, Tennakoon AH, Golbar HM, Tanaka M, Kuwamura M, Yamate J:

M1-/M2-macrophage polarization in pseudolobules consisting of adipophilin-rich hepatocytes in thioacetamide (TAA)-induced rat hepatic cirrhosis

Exp Mol Pathol. 2016 Jul 21. pii: S0014-4800(16)30161-7. doi: 10.1016/j.yexmp.2016.07.005.
[http://linkinghub.elsevier.com/retrieve/pii/S0014-4800\(16\)30161-7](http://linkinghub.elsevier.com/retrieve/pii/S0014-4800(16)30161-7)

Wijesundera KK, Izawa T, Tennakoon AH, Golbar HM, Tanaka M, Kuwamura M, Yamate J:

M1-/M2-macrophages contribute to the development of GST-P-positive preneoplastic lesions in chemically-induced rat cirrhosis

Exp Toxicol Pathol. 2015 Jul 20. pii: S0940-2993(15)30002-6. doi: 10.1016/j.etp.2015.05.002.
[http://linkinghub.elsevier.com/retrieve/pii/S0940-2993\(15\)30002-6](http://linkinghub.elsevier.com/retrieve/pii/S0940-2993(15)30002-6)

Wilkinson PD, Alencastro F, Delgado ER, Leek MP, Weirich MP, Otero PA, Roy N, Brown WK, Oertel M, Duncan AW:

Polyploid Hepatocytes Facilitate Adaptation and Regeneration to Chronic Liver Injury

Am J Pathol. 2019 Mar 27. pii: S0002-9440(18)30970-2. doi: 10.1016/j.ajpath.2019.02.008.
<https://www.sciencedirect.com/science/article/pii/S0002944018309702#!>

Willems LM, Zahn N, Ferreirós N, Scholich K, Maggio N, Deller T, Vlachos A:

Sphingosine-1-phosphate receptor inhibition prevents denervation-induced dendritic atrophy

Acta Neuropathol Commun. 2016 Mar 31;4(1):28. doi: 10.1186/s40478-016-0303-x.

<http://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-016-0303-x>

Willsey AJ, Sanders SJ, Li M, Dong S, Tebbenkamp AT, Muhle RA, Reilly SK, Lin L, Fertuzinhos S, Miller JA, Murtha MT, Bichsel C, Niu W, Cotney J, Ercan-Sencicek AG, Gockley J, Gupta AR, Han W, He X, Hoffman EJ, Klei L, Lei J, Liu W, Liu L, Lu C, Xu X, Zhu Y, Mane SM, Lein ES, Wei L, Noonan JP, Roeder K, Devlin B, Sestan N, State MW:

Coexpression networks implicate human midfetal deep cortical projection neurons in the pathogenesis of autism

Cell. 2013 Nov 21;155(5):997-1007. doi: 10.1016/j.cell.2013.10.020.

http://medicine.yale.edu/lab/sestan/resources/635_173748_willseyC13complete.pdf

Winslow S, Lindquist KE, Edsjö A, Larsson C:

The expression pattern of matrix-producing tumor stroma is of prognostic importance in breast cancer

BMC Cancer. 2016 Nov 4;16(1):841

<https://bmccancer.biomedcentral.com/articles/10.1186/s12885-016-2864-2>

Wilting SM, Snijders PJ, Verlaet W, Jaspers A, van de Wiel MA, van Wieringen WN, Meijer GA, Kenter GG, Yi Y, le Sage C, Agami R, Meijer CJ, Steenbergen RD:

Altered microRNA expression associated with chromosomal changes contributes to cervical carcinogenesis

Oncogene. 2012 Feb 13. doi: 10.1038/onc.2012.20.

<http://dx.doi.org/10.1038/onc.2012.20>

Wilting, S. and Steenbergen, R:

Total RNA Isolation after Laser-capture Microdissection of Human Cervical Squamous Epithelial Cells from Fresh Frozen Tissue

Bio-protocol 3(15): e848.

<http://www.bio-protocol.org/e848>

Withers, D.R., Davison, T.F., and Young, J.R.:

Diversified bursal medullary B cells survive and expand independently after depletion following neonatal infectious bursal disease virus infection

Immunology 117(4): 558-565 (2006)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2567.2006.02332.x/full>

Wolf L, Harrison W, Huang J, Xie Q, Xiao N, Sun J, Kong L, Lachke SA, Kuracha MR, Govindarajan V, Brindle PK, Ashery-Padan R, Beebe DC, Overbeek PA, and Cvekl A:

Histone posttranslational modifications and cell fate determination: lens induction requires the lysine acetyltransferases CBP and p300

Nucl. Acids Res., Sep 12, 2013 doi:10.1093/nar/gkt824

<http://nar.oxfordjournals.org/content/early/2013/09/12/nar.gkt824.full>

Woronik A, Kiontke K, Jallad RS, Herrera RA, Fitch DHA:

Laser Microdissection for Species-agnostic Single-tissue Applications

J Vis Exp. 2022 Mar 31;(181). doi: 10.3791/63666.

<https://www.jove.com/de/t/63666/laser-microdissection-for-species-agnostic-single-tissue-applications>

Woschitz V:

Investigating modifiers that can regulate selective vulnerability in mouse models of spinal muscular atrophy

Thesis, 2023

<http://dx.doi.org/10.7488/era/3896>

Wu CY, Cilic A, Pak O, Dartsch RC, Wilhelm J, Wujak M, Lo K, Brosien M, Zhang R, Alkoudmani I, Witte B, Pedersen F, Watz H, Voswinckel R, Günther A, Ghofrani HA, Brandes RP, Schermuly RT, Grimminger F, Seeger W, Sommer N, Weissmann N, Hadzic S:

CEACAM6 as a Novel Therapeutic Target to Boost HO-1-mediated Antioxidant Defense in COPD

Am J Respir Crit Care Med. 2023 May 23. doi: 10.1164/rccm.202208-1603OC.

<https://doi.org/10.1164/rccm.202208-1603OC>

Wu H, Li G, Zhan J, Zhang S, Beall BD, Yadegari R, Becraft PW:

Rearrangement with the nkd2 promoter contributed to allelic diversity of the r1 gene in maize (Zea mays)

Plant J. 2022 Jul 25. doi: 10.1111/tpj.15918.

<https://onlinelibrary.wiley.com/doi/epdf/10.1111/tpj.15918>

Wu M, Kriti D, van Bakel H, Jabs EW, Holmes G:

Laser Capture Microdissection of Mouse Embryonic Cartilage and Bone for Gene Expression Analysis

J Vis Exp. 2019 Dec 18;(154). doi: 10.3791/60503.

<https://www.jove.com/video/60503/laser-capture-microdissection-mouse-embryonic-cartilage-bone-for-gene>

Wu N, Meng F, Invernizzi P, Bernuzzi F, Venter J, Standeford H, Onori P, Marzioni M, Alvaro D, Franchitto A, Gaudio E, Glaser S, Alpini G:

The secretin/secretin receptor axis modulates liver fibrosis through changes in TGF- β 1 biliary secretion

Hepatology. 2016 Apr 26. doi: 10.1002/hep.28622.

<http://dx.doi.org/10.1002/hep.28622>

Wu N, Meng F, Zhou T, Venter J, Giang TK, Kyritsi K, Wu C, Alvaro D, Onori P, Mancinelli R, Gaudio E, Francis H, Alpini G, Glaser S, Franchitto A:

The Secretin/Secretin Receptor Axis Modulates Ductular Reaction and Liver Fibrosis through Changes in Transforming Growth Factor- β 1-Mediated Biliary Senescence

Am J Pathol. 2018 Jul 21. pii: S0002-9440(18)30150-0. doi: 10.1016/j.ajpath.2018.06.015.

[https://linkinghub.elsevier.com/retrieve/pii/S0002-9440\(18\)30150-0](https://linkinghub.elsevier.com/retrieve/pii/S0002-9440(18)30150-0)

Wulff BS, Kuhre RE, Selvaraj M, Rehfeld JF, Niss K, Fels JJ, Secher A, Raun K, Gerstenberg MK:

Improved leptin sensitivity and increased soluble leptin receptor concentrations may underlie the additive effects of combining PYY (3-36) and exendin-4 on body weight lowering in diet-induced obese mice

HELIYON. 27. May 2024.

<https://doi.org/10.1016/j.heliyon.2024.e32009>

Xiang, C.C., Chen, M., Kozhich, O.A., Phan, Q.N., Inman, J.M., Chen, Y., and Brownstein, M.J.:

Probe generation directly from small numbers of cells for DNA microarray studies

Biotechniques 34(2): 386-388, 390, 392-383 (2003)

<http://ukpmc.ac.uk/abstract/MED/12613261/reload=0;jsessionid=37234B6ACAEDB2A4CCB780D6AE5093C5.jvm1>

Xiang, C.C., Mezey, E., Chen, M., Key, S., Ma, L., and Brownstein, M.J.:

Using DSP, a reversible cross-linker, to fix tissue sections for immunostaining, microdissection and expression profiling

Nucleic Acids Res 32(22): e185 (2004)

<http://nar.oxfordjournals.org/content/32/22/e185.long>

Xie L, Mouillet JF, Chu T, Parks WT, Sadovsky E, Knöfler M, Sadovsky Y:

C19MC microRNAs Regulate the Migration of Human Trophoblasts

Endocrinology. 2014 Sep 11:en20141501.
<http://press.endocrine.org/doi/pdf/10.1210/en.2014-1501>

Xin H, Li Y, Shen LH, Liu X, Wang X, Zhang J, Pourabdollah-Nejad D S, Zhang C, Zhang L, Jiang H, Zhang ZG, Chopp M:

Increasing tPA activity in astrocytes induced by multipotent mesenchymal stromal cells facilitate neurite outgrowth after stroke in the mouse

PLoS One. 2010 Feb 3;5(2):e9027. doi: 10.1371/journal.pone.0009027.

<http://dx.plos.org/10.1371/journal.pone.0009027>

Xu G, Li JY:

Differential expression of PDGFRB and EGFR in microvascular proliferation in glioblastoma

Tumour Biol. 2016 Feb 9.

<http://dx.doi.org/10.1007/s13277-016-4968-3>

Xu Y, Jiang S, Hu Y, Zhang Q, Su W:

TGF- β 3 induces lactate production in Sertoli cell through inhibiting Notch pathway

Andrology. 2022 Sep 4. doi: 10.1111/andr.13288.

<https://doi.org/10.1111/andr.13288>

Xu Y, Wu W, Fan Y, Jiang S, Jia X, Su W:

MiR-142-3p Inhibits TGF- β 3-Induced Blood-Testis Barrier Impairment by Targeting Lethal Giant Larvae Homolog 2

Cell Physiol Biochem. 2018 Mar 22;46(1):253-268. doi: 10.1159/000488427.

<https://www.karger.com/Article/Pdf/488427>

Xue R, Gu H, Qiu Y, Guo Y, Korteweg C, Huang J, Gu J:

Expression of Cystic Fibrosis Transmembrane Conductance Regulator in Ganglia of Human Gastrointestinal Tract

Sci Rep. 2016 Aug 5;6:30926. doi: 10.1038/srep30926.

<http://dx.doi.org/10.1038/srep30926>

Xue Y, Liu L, Zhang Y, He Y, Wang J, Ma Z, Li TJ, Zhang J, Huang Y, Gao YQ:

Unraveling the key role of chromatin structure in cancer development through epigenetic landscape characterization of oral cancer

Mol Cancer. 2024 Sep 6;23(1):190. doi: 10.1186/s12943-024-02100-0.

<https://doi.org/10.1186/s12943-024-02100-0>

Yamaguchi H, Ishida Y, Hosomichi J, Suzuki JI, Hatano K, Usumi-Fujita R, Shimizu Y, Kaneko S, Ono T:

Ultrasound microbubble-mediated transfection of NF- κ B decoy oligodeoxynucleotide into gingival tissues inhibits periodontitis in rats in vivo

PLoS One. 2017 Nov 1;12(11):e0186264. doi: 10.1371/journal.pone.0186264. eCollection 2017.

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0186264>

Yamaguchi T, Wei D, Song SC, Lim B, Tritsch NX, Lin D:

Posterior amygdala regulates sexual and aggressive behaviors in male mice.

Nat Neurosci. 2020 Jul 27. doi: 10.1038/s41593-020-0675-x.

<https://www.nature.com/articles/s41593-020-0675-x>

Yamaguchi Y, Maekawa Y, Kabashima K, Mizuno T, Tainaka M, Suzuki T, Dojo K, Tominaga T, Kuroiwa S, Masubuchi S, Doi M, Tominaga K, Kobayashi K, Yamagata S, Itoi K, Abe M, Schwartz WJ, Sakimura K, Okamura H:

An intact pituitary vasopressin system is critical for building a robust circadian clock in the suprachiasmatic nucleus

Proc Natl Acad Sci U S A. 2023 Oct 24;120(43):e2308489120. doi: 10.1073/pnas.2308489120.

<https://doi.org/10.1073/pnas.2308489120>

Yamaguchi Y, Murai I, Takeda M, Doi S, Seta T, Hanada R, Kangawa K, Okamura H, Miyake T, Doi M:
Nmu/Nms/Gpr176 Triple-Deficient Mice Show Enhanced Light-Resetting of Circadian Locomotor Activity

Biol Pharm Bull. 2022;45(8):1172-1179. doi: 10.1248/bpb.b22-00260.

https://www.jstage.jst.go.jp/article/bpb/45/8/45_b22-00260/_html/-char/ja

Yamamoto K, Miki Y, Sato H, Nishito Y, Gelb MH, Taketomi Y, Murakami M:
Expression and function of group IIE phospholipase A2 in mouse skin

J Biol Chem. 2016 May 23. pii: jbc.M116.734657.

<http://www.jbc.org/cgi/lookup?view=long&pmid=27226633>

Yamamoto K, Miki Y, Sato M, Taketomi Y, Nishito Y, Taya C, Muramatsu K, Ikeda K, Nakanishi H, Taguchi R, Kambe N, Kabashima K, Lambeau G, Gelb MH, Murakami M:

The role of group IIF-secreted phospholipase A2 in epidermal homeostasis and hyperplasia

J Exp Med. 2015 Oct 19;212(11):1901-19. doi: 10.1084/jem.20141904. Epub 2015 Oct 5.

<http://jem.rupress.org/cgi/lookup?view=long&pmid=26438362>

Yamamoto K, Taketomi Y, Isogai Y, Miki Y, Sato H, Masuda S, Nishito Y, Morioka K, Ishimoto Y, Suzuki N, Yokota Y, Hanasaki K, Ishikawa Y, Ishii T, Kobayashi T, Fukami K, Ikeda K, Nakanishi H, Taguchi R, Murakami M:

Hair follicular expression and function of group X secreted phospholipase A2 in mouse skin

J Biol Chem. 2011 Apr 1;286(13):11616-31. doi: 10.1074/jbc.M110.206714. Epub 2011 Jan 25.

<http://www.jbc.org/cgi/lookup?view=long&pmid=21266583>

Yamashiro T:

Anterior Cleft Palate due to Cbfb deficiency and its rescue by folic acid

bioRxiv, 2019, <https://doi.org/10.1101/515650>

<https://www.biorxiv.org/content/biorxiv/early/2019/01/09/515650.full.pdf>

Yamashita S, Hattori N, Fujii S, Yamaguchi T, Takahashi M, Hozumi Y, Kogawa T, El-Omar O, Liu YY, Arai N, Mori A, Higashimoto H, Ushijima T, Mukai H:

Multi-omics analyses identify HSD17B4 methylation-silencing as a predictive and response marker of HER2-positive breast cancer to HER2-directed therapy

Sci Rep. 2020 Sep 23;10(1):15530. doi: 10.1038/s41598-020-72661-9.

<https://www.nature.com/articles/s41598-020-72661-9>

Yamauchi M, Moriyama M, Hayashida JN, Maehara T, Ishiguro N, Kubota K, Furukawa S, Ohta M, Sakamoto M, Tanaka A, Nakamura S:

Myeloid dendritic cells stimulated by thymic stromal lymphopoietin promote Th2 immune responses and the pathogenesis of oral lichen planus

PLoS One. 2017 Mar 9;12(3):e0173017. doi: 10.1371/journal.pone.0173017.

<http://dx.plos.org/10.1371/journal.pone.0173017>

Yamaura Y, Nakajima M, Tatsumi N, Takagi S, Fukami T, Tsuneyama K, Yokoi T:

Changes in the expression of miRNAs at the pericentral and periportal regions of the rat liver in response to hepatocellular injury: Comparison with the changes in the expression of plasma miRNAs

Toxicology. 2014 May 24. pii: S0300-483X(14)00102-4. doi: 10.1016/j.tox.2014.05.008.

<http://www.sciencedirect.com/science/article/pii/S0300483X14001024>

Yamazaki M, Kato A, Oki E, Zaitzu Y, Kato C, Nakano K, Nakamura M, Sakomura T, Kawai S, Fujii E, Sawada N, Watanabe T, Saeki H, Suzuki M:

Continuous formation of small clusters with LGR5-positive cells contributes to tumor growth in a colorectal cancer xenograft model

Lab Invest. 2020 Jul 29. doi: 10.1038/s41374-020-0471-y.
<https://www.nature.com/articles/s41374-020-0471-y>

Yan R, van Meurs M, Popa ER, Li R, Zwiers PJ, Zijlstra JG, Moser J, Molema G:

Early Heterogenic Response of Renal Microvasculature to Hemorrhagic Shock/Resuscitation and the Influence of NF- κ B Pathway Blockade

Shock. 2019 Feb;51(2):200-212. doi: 10.1097/SHK.0000000000001126.
<https://doi.org/10.1097/shk.0000000000001126>

Yanagihara K, Niki H, Baba T:

Direct PCR amplification of the 16S rRNA gene from single microbial cells isolated from an Antarctic iceberg using laser microdissection microscopy

Polar Science, Volume 5, Issue 3, September 2011, Pages 375–382
<http://www.sciencedirect.com/science/article/pii/S1873965211000375>

Yang J, Zhou Y, Ng SK, Huang KC, Ni X, Choi PW, Hasselblatt K, Muto MG, Welch WR, Berkowitz RS, Ng SW:

Characterization of MicroRNA-200 pathway in ovarian cancer and serous intraepithelial carcinoma of fallopian tube

BMC Cancer. 2017 Jun 17;17(1):422. doi: 10.1186/s12885-017-3417-z.
<https://bmccancer.biomedcentral.com/articles/10.1186/s12885-017-3417-z>

Yang L, Yang Y, Yuan J, Sun Y, Dai J, Su B:

Transcriptomic Landscape of von Economo Neurons in Human Anterior Cingulate Cortex Revealed by Microdissected-Cell RNA Sequencing

Cereb Cortex. 2018 Dec 7. doi: 10.1093/cercor/bhy286.
<https://www.ncbi.nlm.nih.gov/pubmed/30535007>

Yao J, Cui Q, Fan W, Ma Y, Chen Y, Liu T, Zhang X, Xi Y, Wang C, Peng L, Luo Y, Lin A, Guo W, Lin L, Lin Y, Tan W, Lin D, Wu C, Wang J:

Single-cell transcriptomic analysis in a mouse model deciphers cell transition states in the multistep development of esophageal cancer

Nat Commun. 2020 Jul 24;11(1):3715. doi: 10.1038/s41467-020-17492-y.
<https://www.nature.com/articles/s41467-020-17492-y.pdf>

Yao J, Zuo H, Gao J, Wang M, Wang D, Li X:

The effects of IGF-1 on mouse spermatogenesis using an organ culture method

Biochem Biophys Res Commun. 2017 May 25. pii: S0006-291X(17)31018-5.
<http://www.sciencedirect.com/science/article/pii/S0006291X17310185>

Yick CY, Zwinderman AH, Kunst PW, Grünberg K, Mauad T, Chowdhury S, Bel EH, Baas F, Lutter R, Sterk PJ:

Gene expression profiling of laser microdissected airway smooth muscle tissue in asthma and atopy

Allergy. 2014 May 30. doi: 10.1111/all.12452.
<http://dx.doi.org/10.1111/all.12452>

Yin Z, Raj D, Saiepour N, Van Dam D, Brouwer N, Holtman IR, Eggen BJL, Möller T, Tamm JA, Abdourahman A, Hol EM, Kamphuis W, Bayer TA, DeDeyn PP, Boddeke E:

Immune hyperreactivity of A β plaque-associated microglia in Alzheimer's disease

Neurobiology of Aging, 27 Mar 2017, ISSN 0197-4580,
<http://dx.doi.org/10.1016/j.neurobiolaging.2017.03.021>.
<http://www.sciencedirect.com/science/article/pii/S0197458017300970>

Yokogi K, Goto Y, Otsuka M, Ojima F, Kobayashi T, Tsuchiba Y, Takeuchi Y, Namba M, Kohno M, Tetsuka M, Takeuchi S, Matsuyama M, Aizawa S:

Neuromedin U-deficient Rats do not Lose Body Weight or Food Intake

Research Square, 16. Aug 2022, DOI: <https://doi.org/10.21203/rs.3.rs-1907525/v1>

<https://assets.researchsquare.com/files/rs-1907525/v1/1301d119-2f84-4732-b7a8-ec637cfeb613.pdf>

Yokota K, Kobayakawa K, Kubota K, Miyawaki A, Okano H, Ohkawa Y, Iwamoto Y, Okada S:

Engrafted Neural Stem/Progenitor Cells Promote Functional Recovery through Synapse Reorganization with Spared Host Neurons after Spinal Cord Injury

Stem Cell Reports. 2015 Jul 14. pii: S2213-6711(15)00185-X. doi: 10.1016/j.stemcr.2015.06.004.

[http://linkinghub.elsevier.com/retrieve/pii/S2213-6711\(15\)00185-X](http://linkinghub.elsevier.com/retrieve/pii/S2213-6711(15)00185-X)

Yokota K, Kubota K, Kobayakawa K, Saito T, Hara M, Kijima K, Maeda T, Katoh H, Ohkawa Y, Nakashima Y, Okada S:

Pathological changes of distal motor neurons after complete spinal cord injury

Mol Brain. 2019 Jan 9;12(1):4. doi: 10.1186/s13041-018-0422-3.

<https://link.springer.com/article/10.1186/s13041-018-0422-3>

Yokoyama T, Yanagihara T, Suzuki K, Hamada N, Tsubouchi K, Ogata-Suetsugu S, Mikumo H, Ikeda-Harada C, Maeyama T, Kuwano K, Nakanishi Y:

Depletion of club cells attenuates bleomycin-induced lung injury and fibrosis in mice

J Inflamm (Lond). 2017 Sep 18;14:20. doi: 10.1186/s12950-017-0168-1. eCollection 2017.

<https://journal-inflammation.biomedcentral.com/articles/10.1186/s12950-017-0168-1>

Yoon N, Chu V, Gould M, Zhang M:

Spatial and temporal changes in myogenic protein expression by the microenvironment after freeze injury

J Anat. 2019 Mar;234(3):359-367. doi: 10.1111/joa.12925.

<https://doi.org/10.1111/joa.12925>

Yoshida M, Sato S, Kawamoto T, Kawamoto K, Saigusa D, Uruno A, Saito R, Matsuo-Ueda M, and Yamamoto H:

Cryosection preparation for histological study, gene expression analysis and imaging mass spectrometry

Journal of Plant Biology Research, 21 Mar 2019, 1(1): 1-7

<https://pdfs.semanticscholar.org/a785/4424a690a99b5e6fd25dedcc262298ae5eaf.pdf>

Yoshida S, Arakawa F, Higuchi F, Ishibashi Y, Goto M, Sugita Y, Nomura Y, Niino D, Shimizu K, Aoki R, Hashikawa K, Kimura Y, Yasuda K, Tashiro K, Kuhara S, Nagata K, Ohshima K:

Gene expression analysis of rheumatoid arthritis synovial lining regions by cDNA microarray combined with laser microdissection: up-regulation of inflammation-associated STAT1, IRF1, CXCL9, CXCL10, and CCL5

Scand J Rheumatol. 2012 May;41(3):170-9. doi: 10.3109/03009742.2011.623137.

<http://informahealthcare.com/doi/abs/10.3109/03009742.2011.623137>

Yoshida N, Inubushi T, Hirose T, Aoyama G, Kurosaka H, Yamashiro T:

The roles of JAK2/STAT3 signaling in fusion of the secondary palate

Dis Model Mech. 2023 Oct 1;16(10):dmm050085. doi: 10.1242/dmm.050085.

<https://doi.org/10.1242/dmm.050085>

Yoshida Y, Inubushi T, Yokoyama M, Nag P, Sasaki JI, Oka A, Murotani T, Kani R, Shiraishi Y, Kurosaka H, Takahata Y, Nishimura R, Imazato S, Papagerakis P, Yamashiro T:

Slc26a2-mediated sulfate metabolism is significant for the tooth development

Dis Model Mech dmm.052107. 7 Nov 2024

<https://doi.org/10.1242/dmm.052107>

Yoshikay-Benitez DA, Ohira K, Banerjee K, Fujita K, Shigeto J, and Tsutsumi Y:
The Populus alba cationic cell-wall-bound peroxidase (CWPO-C) regulates plant growth, lignin content and composition in poplar
J Wood Sci 69, 12 (2023).
<https://doi.org/10.1186/s10086-023-02086-1>

Yoshimura K, Ito Y, Suzuki M, Horie M, Nishiuchi T, Shintani-Domoto Y, Shigehara K, Ohshima H, Ohshima M, Goto A, Nojima T, Tsuzuki T, Mizokami A, Ikeda H, Maeda D:
Identification of Uromodulin Deposition in the Stroma of Perinephric Fibromyxoid Nephrogenic Adenoma by Mass Spectrometry
Reasearcg Square, 12th April 2023
<https://doi.org/10.21203/rs.3.rs-2732966/v1>

Yoshioka W, Endo N, Kurashige A, Hajima A, Endo T, Shibata T, Nishiyama R, Kakeyama M, Tohyama C:
Fluorescence laser microdissection reveals a distinct pattern of gene activation in the mouse hippocampal region
Sci Rep. 2012;2:783. doi: 10.1038/srep00783.
<http://www.ncbi.nlm.nih.gov/pmc/articles/pmid/23136640/>

Yoshizaki S, Tamaru T, Hara M, Kijima K, Tanaka M, Konno DJ, Matsumoto Y, Nakashima Y, Okada S:
Microglial inflammation after chronic spinal cord injury is enhanced by reactive astrocytes via the fibronectin/ β 1 integrin pathway
J Neuroinflammation. 2021 Jan 6;18(1):12. doi: 10.1186/s12974-020-02059-x.
<https://jneuroinflammation.biomedcentral.com/articles/10.1186/s12974-020-02059-x>

Young, C.S., Terada, S., Vacanti, J.P., Honda, M., Bartlett, J.D., and Yelick, P.C.:
Tissue engineering of complex tooth structures on biodegradable polymer scaffolds
J Dent Res 81(10): 695-700 (2002)
<http://jdr.sagepub.com/content/83/7/523.long>

Yu H, Luo W :
Deep RNA sequencing of human dorsal root ganglion neurons reveals somatosensory mechanisms
Nat Neurosci (6 Nov 2024).
<https://doi.org/10.1038/s41593-024-01795-0>

Yu H, Nagi SS, Usoskin D, Hu Y, Kupari J, Bouchatta O, Yan H, Cranfill SL, Gautam M, Su Y, Lu Y, Wymer J, Glanz M, Albrecht P, Song H, Ming GL, Prouty S, Seykora J, Wu H, Ma M, Marshall A, Rice FL, Li M, Olausson H, Ernfors P, Luo W :
Leveraging deep single-soma RNA sequencing to explore the neural basis of human somatosensation
Nat Neurosci. 2024 Nov 4. doi: 10.1038/s41593-024-01794-1.
<https://doi.org/10.1038/s41593-024-01794-1>

Yu J, Mo Y :
近视小鼠巩膜成纤维细胞的基因表达谱：基于单细胞RNA测序的生物信息学分析
[Gene expression profiles of myopic mouse scleral fibroblasts: a bioinformatics analysis based on single-cell RNA sequencing]
Nan Fang Yi Ke Da Xue Xue Bao. 2021 Jul 20;41(7):1087-1092. doi: 10.12122/j.issn.1673-4254.2021.07.18
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8329679/>

Yuki A, Shinkuma S, Hayashi R, Fujikawa H, Kato T, Homma E, Hamade Y, Onodera O, Matsuoka M, Shimizu H, Iwata H, Abe R :

CADM1 is a diagnostic marker in early-stage mycosis fungoides: Multicenter study of 58 cases

J Am Acad Dermatol. 2018 Jun 18. pii: S0190-9622(18)32147-9. doi: 10.1016/j.jaad.2018.06.025.

[https://www.jaad.org/article/S0190-9622\(18\)32147-9/abstract](https://www.jaad.org/article/S0190-9622(18)32147-9/abstract)

Zahedi F:

Role of Dicer in smooth muscle cells during neointima formation

Thesis, 2016

https://edoc.ub.uni-muenchen.de/20767/7/Zahedi_Farima.pdf

Zavattari P, Perra A, Menegon S, Kowalik MA, Petrelli A, Angioni MM, Follenzi A, Quagliata L, Ledda-Columbano GM, Terracciano L, Giordano S, Columbano A:

Nrf2, but not β -catenin, mutation represents an early event in rat hepatocarcinogenesis

Hepatology. 2015 Mar 17. doi: 10.1002/hep.27790.

<http://dx.doi.org/10.1002/hep.27790>

Zeng H, Shen EH, Hohmann JG, Oh SW, Bernard A, Royall JJ, Glattfelder KJ, Sunkin SM, Morris JA, Guillozet-Bongaarts AL, Smith KA, Ebber AJ, Swanson B, Kuan L, Page DT, Overly CC, Lein ES, Hawrylycz MJ, Hof PR, Hyde TM, Kleinman JE, Jones AR:

Large-scale cellular-resolution gene profiling in human neocortex reveals species-specific molecular signatures

Cell. 2012 Apr 13;149(2):483-96. doi: 10.1016/j.cell.2012.02.052.

[http://linkinghub.elsevier.com/retrieve/pii/S0092-8674\(12\)00348-0](http://linkinghub.elsevier.com/retrieve/pii/S0092-8674(12)00348-0)

Zeng T, Holmer R, Hontelez J, Te Lintel-Hekkert B, Marufu L, de Zeeuw T, Wu F, Schijlen E, Bisseling T, Limpens E:

Host- and stage-dependent secretome of the arbuscular mycorrhizal fungus *Rhizophagus irregularis*

Plant J. 2018 Mar 23. doi: 10.1111/tpj.13908.

<http://dx.doi.org/10.1111/tpj.13908>

Zhan J, Thakare D, Ma C, Lloyd A, Nixon NM, Arakaki AM, Burnett WJ, Logan KO, Wang D, Wang X, Drews GN, Yadegari R:

RNA Sequencing of Laser-Capture Microdissected Compartments of the Maize Kernel Identifies Regulatory Modules Associated with Endosperm Cell Differentiation

Plant Cell. 2015 Mar 17. pii: tpc.114.135657.

<http://www.plantcell.org/cgi/pmidlookup?view=long&pmid=25783031>

Zhang B, Su W, Hu J, Xu J, Askar P, Bao S, Zhou S, Chen G, Gu Y:

Transcriptome Analysis of Schwann Cells at Various Stages of Myelination Implicates Chromatin Regulator Sin3A in Control of Myelination Identity

Neurosci Bull. 2022 Apr 10. doi: 10.1007/s12264-022-00850-9.

<https://link.springer.com/article/10.1007/s12264-022-00850-9>

Zhang B, Zhang L, Li F, Zhang D, Liu X, Wang H, Xu Z, Chu C, Zhou Y:

Control of secondary cell wall patterning involves xylan deacetylation by a GDSL esterase

Nat Plants. 2017 Mar 3;3:17017. doi: 10.1038/nplants.2017.17.

<http://dx.doi.org/10.1038/nplants.2017.17>

Zhang C, Liang S, Cheng S, Li W, Wang X, Zheng C, Zeng C, Shi S, Xie L, Zen K, Liu Z:

Urinary miR-196a predicts disease progression in patients with chronic kidney disease

J Transl Med. 2018 Apr 10;16(1):91. doi: 10.1186/s12967-018-1470-2.

<https://translational-medicine.biomedcentral.com/track/pdf/10.1186/s12967-018-1470-2>

Zhang D, Kinloch AJ, Srinath A, Shenkar R, Girard R, Lightle R, Moore T, Koskimäki J, Mohsin A, Carrión-Penagos J, Romanos S, Shen L, Clark MR, Shi C, Awad IA:

Antibodies in cerebral cavernous malformations react with cytoskeleton autoantigens in the lesional milieu

J Autoimmun. 2020 Apr 30:102469. doi: 10.1016/j.jaut.2020.102469.

<https://www.sciencedirect.com/science/article/pii/S0896841120300858>

Zhang H, Chen X, Liu L, Zheng H, Yang X, Yin K, Yao Q, Li L & Yang P:

Oncostatin M Drives Th2 Polarized Allergic Airway Inflammation Through Fibroblast Reprogramming and Endoplasmic Reticulum Stress

International Journal of Nanomedicine, 14 Jul 2025, 9019-9030, DOI: 10.2147/IJN.S535265

<https://doi.org/10.2147/IJN.S535265>

Zhang L:

Understanding the role of regulatory RNAs in human skin wound healing

Thesis, Stockholm 2023

<https://openarchive.ki.se/xmlui/handle/10616/48457>

Zhang L, Ding M, Pang H, Xing J, Xuan J, Wang C, Lin Z, Han S, Liang K, Li C, Yao J, Wang B:

Mitochondrial DNA Typing of Laser-captured Single Sperm Cells to Differentiate Individuals in a Mixed Semen Stain

Electrophoresis. 2016 May 26. doi: 10.1002/elps.201600009.

<http://onlinelibrary.wiley.com/doi/10.1002/elps.201600009/abstract>

Zhang S, Dolgalev I, Zhang T, Ran H, Levine DA, Neel BG:

Both fallopian tube and ovarian surface epithelium are cells-of-origin for high-grade serous ovarian carcinoma

Nat Commun. 2019 Nov 26;10(1):5367. doi: 10.1038/s41467-019-13116-2.

<https://www.nature.com/articles/s41467-019-13116-2>

Zhang S, Thakare D, Yadegari R:

Laser-Capture Microdissection of Maize Kernel Compartments for RNA-Seq-Based Expression Analysis

Methods Mol Biol. 2018;1676:153-163. doi: 10.1007/978-1-4939-7315-6_9.

https://dx.doi.org/10.1007/978-1-4939-7315-6_9

Zhang W, Zeng Z, Fan S, Wang J, Yang J, Zhou Y, Li X, Huang D, Liang F, Wu M, Tang K, Cao L, Li X, Xiong W, Li G:

Evaluation of the prognostic value of TGF- β superfamily type I receptor and TGF- β type II receptor expression in nasopharyngeal carcinoma using high-throughput tissue microarrays

J Mol Histol. 2012 Mar 6. [Epub ahead of print]

<http://dx.doi.org/10.1007/s10735-012-9392-4>

Zhang W, Zeng Z, Wei F, Chen P, Schmitt DC, Fan S, Guo X, Liang F, Shi L, Liu Z, Zhang Z, Xiang B, Zhou M, Huang D, Tang K, Li X, Xiong W, Tan M, Li G, Li X:

SPLUNC1 is associated with nasopharyngeal carcinoma prognosis and plays an important role in ATRA-induced growth inhibition and differentiation in nasopharyngeal cancer cells

FEBS J. 2014 Aug 27. doi: 10.1111/febs.13020.

<http://dx.doi.org/10.1111/febs.13020>

Zhang Y, Cheng P, Wang Y, Li Y, Su J, Chen Z, Yu X, Shen W:

Genetic elucidation of hydrogen signaling in plant osmotic tolerance and stomatal closure via hydrogen sulfide

Free Radical Biology and Medicine, 2020, ISSN 0891-5849

<https://doi.org/10.1016/j.freeradbiomed.2020.09.021>

Zhang Y, Xu L, Li X, Chen Z, Chen J, Zhang T, Gu X, Yang J:

Deciphering the dynamic niches and regeneration-associated transcriptional program of motoneurons following peripheral nerve injury

iScience. 2022 Aug 11;25(9):104917. doi: 10.1016/j.isci.2022.104917.

<https://doi.org/10.1016/j.isci.2022.104917>

Zhang Z, and Loudon A:

Circadian Gene Profiling in Laser Capture Microdissected Mouse Club Cells

Bio-protocol 10(08): e3590. DOI:10.21769/BioProtoc.3590

<https://bio-protocol.org/pdf/bio-protocol3590.pdf>

Zhao LL, Zhang T, Huang WX, Gui TT, Gu XS:

Transcriptional regulatory network during axonal regeneration of dorsal root ganglion neurons: laser-capture microdissection and deep sequencing

Neural Regen Res 18(0):000-000. (Jan 2023)

<https://doi.org/10.4103/1673-5374.366494>

Zhao S, DeFinis JH, and Hou S:

Alterations of Dopamine-Related Transcripts in A11 Diencephalospinal Pathways after Spinal Cord Injury

Neural Plasticity, 15 Jan 2021, Volume 2021, Article ID 8838932, 12 pages

<https://doi.org/10.1155/2021/8838932>

Zhao T, He M, Zhu Z, Zhang T, Zheng W, Qin S, Gao M, Wang W, Chen Z, Han J, Liu L, Zhou B, Wang H, Zhang H, Xia G, Wang J, Wang F, Wang C:

P62 promotes FSH-induced antral follicle formation by directing degradation of ubiquitinated WT1

Cell Mol Life Sci. 2024 May 20;81(1):221. doi: 10.1007/s00018-024-05251-x.

<https://doi.org/10.1007/s00018-024-05251-x>

Zheng C, Fass JN, Shih YP, Gunderson AJ, Sanjuan Silva N, Huang H, Bernard BM, Rajamanickam V, Slagel J, Bifulco CB, Piening B, Newell PHA, Hansen PD, Tran E:

Transcriptomic profiles of neoantigen-reactive T cells in human gastrointestinal cancers

Cancer Cell. 2022 Apr 11;40(4):410-423.e7. doi: 10.1016/j.ccell.2022.03.005.

<https://www.sciencedirect.com/science/article/pii/S1535610822001209>

Zheng J, Garg S, Wang J, Loose DS, Hauer-Jensen M:

Laser Capture Microdissected Mucosa versus Whole Tissue Specimens for Assessment of Radiation-Induced Dynamic Molecular and Pathway Changes in the Small Intestine

PLoS ONE 8(1): e53711. doi:10.1371/journal.pone.0053711

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0053711>

Zheng J, Xi M, Lü Y, Lu Y and Shi J:

Transcriptional Analysis Provides New Insights into Cold- and Dehydration-Tolerance Signaling Pathways and on Regulation of Stem Cell Activity in the Vascular Cambium of Poplar

Plant Molecular Biology Reporter, 2012, DOI: 10.1007/s11105-012-0478-7

<http://www.springerlink.com/content/j9m521110p310220/?MUD=MP>

Zheng Q, Capell B, Parekh V, O'Day C, Atillasoy C, Bashir HM, Yeh C, Shim EH, Prouty SM, Dentchev T, Lee V, Wushanley L, Kweon Y, Suzuki-Horiuchi Y, Pear W, Grice EA, Seykora JT:

Whole exome and transcriptome analysis of UV-exposed epidermis and carcinoma in situ reveals early drivers of carcinogenesis

J Invest Dermatol. 2020 Jul 7:S0022-202X(20)31736-X. doi: 10.1016/j.jid.2020.05.116.

<https://www.sciencedirect.com/science/article/abs/pii/S0022202X2031736X>

Zheng S, Liang JY, Tang Y, Xie J, Zou Y, Yang A, Shao N, Kuang X, Ji F, Liu X, Tian W, Xiao W, Lin Y:

Dissecting the role of cancer-associated fibroblast-derived biglycan as a potential therapeutic target in immunotherapy resistance: A tumor bulk and single-cell transcriptomic study

Clin Transl Med. 2023 Feb;13(2):e1189. doi: 10.1002/ctm2.1189.

<https://doi.org/10.1002/ctm2.1189>

Zhong Y, Chen Y, Pan M, Li X, Hebelstrup K, Cai J, Zhou Q, Dai T, Cao W, Jiang D:

Transport and spatio-temporal conversion of sugar facilitate the formation of spatial gradients of starch in wheat caryopses

Commun Biol. 2024 Aug 2;7(1):928. doi: 10.1038/s42003-024-06625-4.

<https://doi.org/10.1038/s42003-024-06625-4>

Zhou J, Qu F, Barry JA, Pan J-X, Wang F-F, Fu Z-Z, Duez P, Hardiman PJ:

An atractylodes macrocephala koidz extract alleviates hyperandrogenism of polycystic ovarian syndrome

Int J Clin Exp Med 2016;9(2):2758-2767

<http://www.ijcem.com/files/ijcem0017917.pdf>

Zhou LT, Liu D, Kang HC, Lu L, Huang HZ, Ai WQ, Zhou Y, Deng MF, Li H, Liu ZQ, Zhang WF, Hu YZ, Han ZT, Zhang HH, Jia JJ, Sarkar AK, Sharaydeh S, Wang J, Man HY, Schilling M, Bertram L, Lu Y, Guo Z, Zhu LQ:

Tau pathology epigenetically remodels the neuron-glia cross-talk in Alzheimer's disease

Sci Adv. 2023 Apr 21;9(16):eabq7105. doi: 10.1126/sciadv.abq7105.

<https://www.science.org/doi/full/10.1126/sciadv.abq7105>

Zhou Q, Xu X, Li M, Yang X, Wang M, Li Y, Liu T, Hou X:

Laser capture microdissection transcriptome (LCM RNAseq) reveals BcDFR is a key gene in anthocyanin synthesis of Non-heading Chinese cabbage

Research Square, 28th Nov 2023

<https://doi.org/10.21203/rs.3.rs-3638548/v1>

Zhou Q, Yang L, Verne ZT, Zhang BB, Fields JZ, Thacker AT, Verne GN:

Human colonic EVs induce murine enteric neuroplasticity via the lncRNA GAS5/miR-23/NMDA NR2B axis

JCI Insight. 2025 Mar 10;10(5):e178631. doi: 10.1172/jci.insight.178631.

<https://doi.org/10.1172/jci.insight.178631>

Zhou S, Wright JL, Liu J, Sin DD, and Churg A:

Aging does not Enhance Experimental Cigarette Smoke-Induced COPD in the Mouse

PLoS ONE 8(8): e71410. doi:10.1371/journal.pone.0071410

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0071410>

Zhou T, Wu N, Meng F, Venter J, Giang TK, Francis H, Kyritsi K, Wu C, Franchitto A, Alvaro D, Marzioni M, Onori P, Mancinelli R, Gaudio E, Glaser S, Alpini G:

Knockout of secretin receptor reduces biliary damage and liver fibrosis in Mdr2^{-/-} mice by diminishing senescence of cholangiocytes

Lab Invest. 2018 Jul 5. doi: 10.1038/s41374-018-0093-9.

<https://www.nature.com/articles/s41374-018-0093-9>

Zhou X, Liu Z, Shen K, Zhao P, Sun MX:

Cell lineage-specific transcriptome analysis for interpreting cell fate specification of proembryos

Nat Commun. 2020 Mar 13;11(1):1366. doi: 10.1038/s41467-020-15189-w.

<http://dx.doi.org/10.1038/s41467-020-15189-w>

Zhou X, Shi C, Zhao P, Sun M:

Isolation of living apical and basal cell lineages of early proembryos for transcriptome analysis

Plant Reprod. 2018 Dec 13. doi: 10.1007/s00497-018-00353-6.
<https://link.springer.com/article/10.1007/s00497-018-00353-6>

Zhu, J.S., Guo, H., Song, M.Q., Chen, G.Q., Sun, Q., and Zhang, Q.:
Gene profiles between non-invasive and invasive colon cancer using laser microdissection and polypeptide analysis

World J Gastroenterol 14(38): 5887-5892 (2008)
<http://www.wjgnet.com/1007-9327/full/v14/i38/5887.htm>

Zhu L, Du L, Wu J, Ding D, Wang J, Wang R, Liu Z, Kuzmina N, Wang H, Yang Y, Stähle M, Landén NX, Li S, Li D:

Adipose tissue macrophage-derived PPBP exacerbates psoriasis-associated atherosclerosis by inducing mitochondrial dysfunction in aortic endothelial cells

J Invest Dermatol. 2025 Aug 29:S0022-202X(25)02396-6. doi: 10.1016/j.jid.2025.05.041.
<https://doi.org/10.1016/j.jid.2025.05.041>

Zhu L, Sun L, Zhang Y, Liu X, Li X, Zhou Z, Cui Y, Zhou CX, Li TJ:
PON3::LCN1 and HTN3::MSANTD3 Gene Fusions With NR4A3/NR4A2 Expression in Salivary Acinic Cell Carcinoma

Am J Surg Pathol. 2024 Apr 29. doi: 10.1097/PAS.0000000000002219.
<https://doi.org/10.1097/pas.0000000000002219>

Zhu M:

Hyperlipidemia-induced MicroRNA155-5p improves β -cell Function by targeting Mafk

PhD thesis
https://edoc.ub.uni-muenchen.de/21083/1/Zhu_Mengyu.pdf

Zhu Q, Sun W, Okano K, Chen Y, Zhang N, Maeda T, Palczewski K:
A sponge transgenic mouse model reveals important roles for the miRNA-183/96/182 cluster in post-mitotic photoreceptors of the retina

J Biol Chem. 2011 Sep 9;286(36):31749-60
<http://www.jbc.org/content/286/36/31749.long>

Zhu X, Xu M, Portal C, Lin Y, Ferdinand A, Peng T, Morrissey EE, Dlugosz AA, Castellano JM, Lee V, Seykora JT, Wong SY, Iomini C, Millar SE:

Identification of Meibomian gland stem cell populations and mechanisms of aging

Nat Commun. 2025 Feb 15;16(1):1663. doi: 10.1038/s41467-025-56907-6.
<https://doi.org/10.1038/s41467-025-56907-6>

Zhu Z, Wang W, Lin F, Jordan T, Li G, Silverman S, Qiu S, Joy AA, Chen C, Hockley DL, Zhang X, Zhou Q, Postovit LM, Zhang X, Hou Y, Mackey JR, Li B, Ka-Shu Wong G:

Genome profiles of lymphovascular breast cancer cells reveal multiple clonally differentiated outcomes with multi-regional LCM and G&T-seq

bioRxiv 807156; doi: <https://doi.org/10.1101/807156>
<https://www.biorxiv.org/content/10.1101/807156v2>

Zhu Z, Wang W, Lin F, Jordan T, Li G, Silverman S, Qiu S, Joy AA, Chen C, Hockley DL, Zhang X, Zhou Q, Postovit LM, Zhang X, Hou Y, Mackey JR, Li B, Ka-Shu Wong G:

Genome profiles of pathologist-defined cell clusters by multiregional LCM and G&T-seq in one triple-negative breast cancer patient

Cell Reports Medicine, Vol 2, Issue 10, 19 Oct 2021, 100404
<https://www.sciencedirect.com/science/article/pii/S2666379121002627>

Ziegler D:

Transcriptomic, Small RNA, and epigenetic atlas of the *Brassica napus* seed

Thesis, 2023

<https://mspace.lib.umanitoba.ca/server/api/core/bitstreams/bd32e6e9-37af-4b4a-bc2c-6a3116ba2790/content>

Ziegler DJ, Khan D, Kalichuk JL, Becker MG, Belmonte MF:

Transcriptome landscape of the early *Brassica napus* seed

J Integr Plant Biol. 2019 Apr 2. doi: 10.1111/jipb.12812.

<https://doi.org/10.1111/jipb.12812>

Ziegler DJ, Khan D, Kalichuk JL, Becker MG, Pasha A, Provart NJ, Belmonte MF:

Gene expression landscape of the *Brassica napus* seed reveals subgenome bias in both space and time.

Plant Physiol. 2025 Jun 28:kiaf283. doi: 10.1093/plphys/kiaf283.

<https://doi.org/10.1093/plphys/kiaf283>

Zindl CL, Witte SJ, Laufer VA, Gao M, Yue Z, Janowski KM, Cai B, Frey BF, Silberberger DJ, Harbour SN, Singer JR, Turner H, Lund FE, Vallance BA, Rosenberg AF, Schoeb TR, Chen JY, Hatton RD, Weaver CT:

A nonredundant role for T cell-derived interleukin 22 in antibacterial defense of colonic crypts

Immunity. 2022 Mar 8;55(3):494-511.e11. doi: 10.1016/j.immuni.2022.02.003.

<https://www.sciencedirect.com/science/article/pii/S1074761322000838>

Zuo H, Zhang J, Zhang L, Ren X, Chen X, Hao H, Zhao X, Wang D:

Transcriptomic Variation during Spermiogenesis in Mouse Germ Cells

PLoS One. 2016 Nov 11;11(11):e0164874. doi: 10.1371/journal.pone.0164874. eCollection 2016.

<http://dx.plos.org/10.1371/journal.pone.0164874>

Zuo J, Wen M, Lei M, Peng X, Yang X, Liu Z:

MiR-210 Links Hypoxia with Cell Proliferation Regulation in Human Laryngocarcinoma Cancer

Journal of Cellular Biochemistry, 2014 Dec 18, DOI 10.1002/jcb.25059

<http://onlinelibrary.wiley.com/doi/10.1002/jcb.25059/abstract>

Zwiers PJ, Jongman RM, Kuiper T, Moser J, Stan RV, Göthert JR, van Meurs M, Popa ER, Molema G:

Pattern of tamoxifen-induced Tie2 deletion in endothelial cells in mature blood vessels using endo SCL-Cre-ERT transgenic mice

PLoS One. 2022 Jun 8;17(6):e0268986. doi: 10.1371/journal.pone.0268986. eCollection 2022.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0268986>

4. Proteomics, Lipidomics, Metabolomics

Making space for spatial biology in the clinic

Nat Biotechnol (6 Jan2025).

<https://doi.org/10.1038/s41587-024-02543-2>

Method of the Year 2024: spatial proteomics.

Nat Methods 21, 2195–2196 (2024).

<https://doi.org/10.1038/s41592-024-02565-3>

Abe R, Katoh N, Takahashi Y, Takasone K, Yoshinaga T, Yazaki M, Kametani F, Sekijima Y

Distribution of amyloidosis subtypes based on tissue biopsy site - Consecutive analysis of 729 patients at a single amyloidosis center in Japan

Pathol Int. 2020 Oct 28. doi: 10.1111/pin.13041.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/pin.13041>

Acland, M.; Mittal, P.; Arentz, G.; Whitehead, F.; Hoffmann, P.; Klingler-Hoffmann, M.; Oehler, M.K. A:

Protocol for the Acquisition of Comprehensive Proteomics Data from Single Cases Using Formalin-Fixed Paraffin Embedded Sections

Methods Protoc. 2022, 5, 57.

<https://doi.org/10.3390/mps5040057>

Adachi M, Kitamura M, Muta K, Maekawa A, Uramatsu T, Tadokoro M, Funakoshi S, Hisano S, Kuwahara N, Shimizu A, Mukae H, Nishino T:

IgM monoclonal gammopathy with heavy and light-chain amyloidosis resembling fibrillary glomerulonephritis determined by tandem mass spectrometry: a case report

BMC Nephrol. 2020 May 24;21(1):195. doi: 10.1186/s12882-020-01851-4.

<https://bmcnephrol.biomedcentral.com/articles/10.1186/s12882-020-01851-4>

Aguilan JT, Lim J, Racine-Brzostek S, Fischer J, Silvescu C, Cornett S, Nieves E, Mendu DR, Aliste CM, Semple S, Angeletti R, Weiss LM, Cole A, Prystowsky M, Pullman J, Sidoli S:

Effect of dynamic exclusion and the use of FAIMS, DIA and MALDI-mass spectrometry imaging with ion mobility on amyloid protein identification

Clin Proteomics. 2024 Jul 3;21(1):47. doi: 10.1186/s12014-024-09500-w.

<https://doi.org/10.1186/s12014-024-09500-w>

Ahmed A, Köhler S, Klotz R, Giese N, Hackert T, Springfield C, Jäger D, and Halama N:

Sex Differences in the Systemic and Local Immune Response of Pancreatic Cancer Patients

Cancers 2023, 15(6), 1815; <https://doi.org/10.3390/cancers15061815>

<https://www.mdpi.com/2072-6694/15/6/1815>

Ahmed A, Köhler S, Klotz R, Giese N, Hackert T, Springfield C, Zörnig I, Jäger D, and Halama N:

Tertiary lymphoid structures and their association to immune phenotypes and circulatory IL2 levels in pancreatic ductal adenocarcinoma

Oncoimmunology, 31 Jan 2022, Vol. 11, No. 1, e2027148

<https://doi.org/10.1080/2162402X.2022.2027148>

Aikawa H, Hayashi M, Ryu S, Yamashita M, Ohtsuka N, Nishidate M, Fujiwara Y, Hamada A:

Visualizing spatial distribution of alectinib in murine brain using quantitative mass spectrometry imaging

Sci Rep. 2016 Mar 30;6:23749. doi: 10.1038/srep23749.

<http://dx.doi.org/10.1038/srep23749>

Alberts D, Pottier C, Smargiasso N, Baiwir D, Mazzucchelli G, Delvenne P, Kriegsmann M, Kazdal D, Warth A, De Pauw E, Longuespée R:

MALDI Imaging-Guided Microproteomic Analyses of Heterogeneous Breast Tumors-A Pilot Study

Proteomics Clin Appl. 2018 Jan;12(1). doi: 10.1002/prca.201700062.

<https://doi.org/10.1002/prca.201700062>

Alexander MP, Dasari S, Vrana JA, Riopel J, Valeri AM, Markowitz GS, Hever A, Bijol V, Larsen CP, Cornell LD, Fidler ME, Said SM, Sethi S, Herrera Hernandez LP, Grande JP, Erickson SB, Fervenza FC, Leung N, Kurtin PJ, Nasr SH:

Congophilic Fibrillary Glomerulonephritis: A Case Series

Am J Kidney Dis. 2018 Jun 1. pii: S0272-6386(18)30604-8. doi: 10.1053/j.ajkd.2018.03.017.

[https://linkinghub.elsevier.com/retrieve/pii/S0272-6386\(18\)30604-8](https://linkinghub.elsevier.com/retrieve/pii/S0272-6386(18)30604-8)

Antoniades CG, Quaglia A, Taams LS, Mitry RR, Hussain M, Abeles R, Possamai LA, Bruce M, McPhail M, Starling C, Wagner B, Barnardo A, Pomplun S, Auzinger G, Bernal W, Heaton N, Vergani D, Thursz MR, Wendon J:

Source and characterisation of hepatic macrophages in acetaminophen-induced acute liver failure in humans

Hepatology. 2012 Feb 15. doi: 10.1002/hep.25657

<http://dx.doi.org/10.1002/hep.25657>

Aoki M, Kang D, Katayama A, Kuwahara N, Nagasaka S, Endo Y, Terasaki M, Kunugi S, Terasaki Y, Shimizu A:

Optimal conditions and the advantages of using laser microdissection and liquid chromatography tandem mass spectrometry for diagnosing renal amyloidosis

Clin Exp Nephrol. 2018 Jan 25. doi: 10.1007/s10157-018-1533-y.

<https://link.springer.com/article/10.1007/s10157-018-1533-y>

Arafah K, Kriegsmann M, Renner M, Lasitschka F, Fresnais M, Kriegsmann K, von Winterfeld M, Goepfert B, Kriegsmann J, Casadonte R, Kazdal D, Bulet P, Longuespée R:

Microproteomics and Immunohistochemistry Reveal Differences in Aldo-Keto Reductase Family 1 Member C3 (AKR1C3) in Tissue Specimens of Ulcerative Colitis and Crohn's Disease

Proteomics Clin Appl. 2020 Jan 31:e1900110. doi: 10.1002/prca.201900110.

<https://doi.org/10.1002/prca.201900110>

Arentz G, Chataway T, Condina MR, Price TJ, Hoffmann P and Hardingham JE:

Increased Phospho-Keratin 8 Isoforms in Colorectal Tumors Associated with EGFR Pathway Activation and Reduced Apoptosis

ISRN Molecular Biology, Volume 2012 (2012), Article ID 706545, 8 pages: doi:10.5402/2012/706545

<http://www.isrn.com/journals/mb/2012/706545/>

Arentz G, Chataway T, Price TJ, Izwan Z, Hardi G, Cummins AG, Hardingham JE:

Desmin expression in colorectal cancer stroma correlates with advanced stage disease and marks angiogenic microvessels

Clin Proteomics. 2011 Dec 5;8(1):16.

<http://www.clinicalproteomicsjournal.com/content/8/1/16/abstract>

Arentz G, Mittal P, Klingler-Hoffmann M, Condina MR, Ricciardelli C, Lokman NA, Kaur G, Oehler MK, and Hoffmann P:

Label-Free Quantification Mass Spectrometry Identifies Protein Markers of Chemotherapy Response in High-Grade Serous Ovarian Cancer

Cancers 2023, 15(7), 2172

<https://doi.org/10.3390/cancers15072172>

Azar P, Avila Y, Hiltbrunner A, Delacourt C, Rougemont AL, Vidal I, Bochaton-Piallat ML, Ruchonnet-Metrailler I:

Atypical mesenchyme in congenital pulmonary airways malformation: a promising new focus.

Respir Res. 2025 Aug 26;26(1):262. doi: 10.1186/s12931-025-03332-4.

<https://doi.org/10.1186/s12931-025-03332-4>

Baldwin J:

Unravelling the mechanisms behind periosteal regeneration and its application in bone tissue engineering

Thesis, 2017

https://eprints.qut.edu.au/110638/1/Jeremy_Baldwin_Thesis.pdf

Banyersad, SM; Moon, JC; Whelan, C; Hawkins, PN; Wechalekar, AD:

Updates in Cardiac Amyloidosis: A Review

Journal of the American Heart Association. 2012; 1: e000364 doi: 10.1161/JAHA.111.000364

<http://jaha.ahajournals.org/content/1/2/e000364.full>

Baron M:

Laser microdissection in proteomic analysis

J Proteomics Bioinform 2016, 9:11(Suppl)

https://www.omicsonline.org/conference-proceedings/0974-276X.C1.091_019.pdf

Barazzone-Argiroffo C, Lascano Maillard J, Vidal I, Bochaton-Piallat ML, Blaskovic S, Donati Y, Wildhaber BE, Rougemont AL, Delacourt C, Ruchonnet-Métraiiller I:

New insights on congenital pulmonary airways malformations revealed by proteomic analyses

Orphanet J Rare Dis. 2019 Nov 28;14(1):272. doi: 10.1186/s13023-019-1192-4.

<https://link.springer.com/article/10.1186/s13023-019-1192-4>

Bateman NW, Abulez T, Soltis AR, McPherson A, Choi S, Garsed DW, Pandey A, Tian C, Hood BL, Conrads KA, Teng PN, Oliver J, Gist G, Mitchell D, Litzi TJ, Tarney CM, Crothers BA, Mhawech-Fauceglia P, Dalgard CL, Wilkerson MD, Pierobon M, Petricoin EF, Yan C, Meerzaman D, Bodelon C, Wentzensen N, Lee JSH; APOLLO Research Network; Huntsman DG, Shah S, Shriver CD, Phippen NT, Darcy KM, Bowtell DDL, Conrads TP, Maxwell GL:

Proteogenomic analysis of enriched HGSOc tumor epithelium identifies prognostic signatures and therapeutic vulnerabilities

NPJ Precis Oncol. 2024 Mar 13;8(1):68. doi: 10.1038/s41698-024-00519-8.

<https://www.nature.com/articles/s41698-024-00519-8>

Bateman NW, Teng PN, Hope E, Hood BL, Oliver J, Ao W, Zhou M, Wang G, Tommarello D, Wilson K, Litzy T, Conrads KA, Hamilton CA, Darcy KM, Casablanca Y, Maxwell GL, Bae-Jump V, Conrads TP:

Jupiter microtubule-associated homolog 1 (JPT1): A predictive and pharmacodynamic biomarker of metformin response in endometrial cancers

Cancer Med. 2019 Dec 6. doi: 10.1002/cam4.2729.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/cam4.2729>

Becker JS:

Imaging of metals in biological tissue by laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS): state of the art and future developments

J Mass Spectrom. 2013 Feb;48(2):255-68. doi: 10.1002/jms.3168.

<http://dx.doi.org/10.1002/jms.3168>

Bhatia HS, Brunner AD, Öztürk F, Kapoor S, Rong Z, Mai H, Thielert M, Ali M, Al-Maskari R, Paetzold JC, Kofler F, Todorov MI, Molbay M, Kolabas ZI, Negwer M, Hoehner L, Steinke H, Dima A, Gupta B, Kaltenecker D, Caliskan ÖS, Brandt D, Krahmer N, Müller S, Lichtenthaler SF, Hellal F, Bechmann I, Menze B, Theis F, Mann M, Ertürk A:

Spatial proteomics in three-dimensional intact specimens.

Cell. 2022 Dec 22;185(26):5040-5058.e19. doi: 10.1016/j.cell.2022.11.021.

<https://doi.org/10.1016/j.cell.2022.11.021>

Blandford AD, Yordi S, Kapoor S, Yeane G, Cotta CV, Valent J, Perry JD, Singh AD:

Ocular Adnexal Amyloidosis: A Mass Spectrometric Analysis

Am J Ophthalmol. 2018 Jun 8. pii: S0002-9394(18)30266-6. doi: 10.1016/j.ajo.2018.05.032.

<https://www.sciencedirect.com/science/article/pii/S0002939418302666>

Bolck HA, Migh E, Kriston A, Zajac NH, Kreutzer S, Tofu T, Leary P, Kovacs F, Rutishauser D, Pfammatter S, Grossmann J, Lichtfeld C, Buljan M, Rupp NJ, Horvath P, Moch H:

Deep visual multi-omics profiling reveals mechanisms that underly cancer cell differentiation and aggressiveness in clear cell renal cell carcinoma

bioRxiv, 5. Feb 2025

<https://doi.org/10.1101/2025.01.31.635927>

Boon BDC, Bulk M, Jonker AJ, Morrema THJ, van den Berg E, Popovic M, Walter J, Kumar S, van der Lee SJ, Holstege H, Zhu X, Van Nostrand WE, Natté R, van der Weerd L, Bouwman FH, van de Berg WDJ, Rozemuller AJM, Hoozemans JJM:

The coarse-grained plaque: a divergent A β plaque-type in early-onset Alzheimer's disease

Acta Neuropathol. 2020 Sep 14. doi: 10.1007/s00401-020-02198-8.

<https://link.springer.com/article/10.1007/s00401-020-02198-8>

Boottanun P, Nagai-Okatani C, Nagai M, Ungkulpasvich U, Yamane S, Yamada M, Kuno A:

An improved evanescent fluorescence scanner suitable for high-resolution glycome mapping of formalin-fixed paraffin-embedded tissue sections

Anal Bioanal Chem. 2023 Jul 3. doi: 10.1007/s00216-023-04824-2.

<https://doi.org/10.1007/s00216-023-04824-2>

Boshoff HIM, Young K, Ahn YM, Yadav VD, Crowley BM, Yang L, Su J, Oh S, Arora K, Andrews J, Manikkam M, Sutphin M, Smith AJ, Weiner DM, Piazza MK, Fleegle JD, Gomez F, Dayao EK, Prideaux B, Zimmerman M, Kaya F, Sarathy J, Tan VY, Via LE, Tschirret-Guth R, Lenaerts AJ, Robertson GT, Dartois V, Olsen DB, Barry CE 3rd:

Mtb-Selective 5-Aminomethyl Oxazolidinone Prodrugs: Robust Potency and Potential Liabilities

ACS Infect Dis. 2024 Apr 6. doi: 10.1021/acsinfecdis.4c00025.

<https://doi.org/10.1021/acsinfecdis.4c00025>

Bowen K, Shah N, and Lewin M:

AL-Amyloidosis Presenting with Negative Congo Red Staining in the Setting of High Clinical Suspicion: A Case Report

Case Reports in Nephrology, Volume 2012 (2012), Article ID 593460, 4 pages, doi:10.1155/2012/593460

<http://www.hindawi.com/crim/nephrology/2012/593460/>

Bridel C, van Gils JHM, Miedema SSM, Hoozemans JJM, Pijnenburg YAL, Smit AB, Rozemuller AJM, Abeln S, Teunissen CE:

Clusters of co-abundant proteins in the brain cortex associated with fronto-temporal lobar degeneration

Alzheimers Res Ther. 2023 Mar 23;15(1):59. doi: 10.1186/s13195-023-01200-1.

<https://doi.org/10.1186/s13195-023-01200-1>

Bridel C, van Gils JHM, Miedema SSM, Hoozemans JJ, Pijnenburg YAL, Smit AB, Rozemuller AJM, Abeln S, Teunissen CE:

Clusters of co-regulated proteins in brain cortex associate with fronto-temporal lobar degeneration

Research Square, 11th November 2022

<https://doi.org/10.21203/rs.3.rs-2247528/v1>

Busso-Lopes AF, Neves LX, Câmara GA, Granato DC, Pretti MAM, Heberle H, Patroni FMS, Sá J, Yokoo S, Rivera C, Domingues RR, Normando AGC, De Rossi T, Mello BP, Galdino NAL, Pauletti BA, Lacerda PA, Rodrigues AAN, Casarim ALM, de Lima-Souza RA, Damas II, Mariano FV, Gollob KJ, Medina TS, Cervigne NK, Prado-Ribeiro AC, Brandão TB, Villa LL, Uno M, Boroni M, Kowalski LP, González-Arriagada WA, Paes Leme AF:

Connecting multiple microenvironment proteomes uncovers the biology in head and neck cancer
Nat Commun. 2022 Nov 7;13(1):6725. doi: 10.1038/s41467-022-34407-1.

<https://www.nature.com/articles/s41467-022-34407-1>

Cahill JF, Kertesz V:

Laser Capture Microdissection–Liquid Vortex Capture Mass Spectrometry Metabolic Profiling of Single Onion Epidermis and Microalgae Cells

Methods Mol Biol. 2020;2064:89-101. doi: 10.1007/978-1-4939-9831-9_7.

https://dx.doi.org/10.1007/978-1-4939-9831-9_7

Cahill JF, Kertesz V:

Automated Optically Guided System for Chemical Analysis of Single Plant and Algae Cells Using Laser Microdissection/Liquid Vortex Capture/Mass Spectrometry

Front Plant Sci. 2018 Aug 20;9:1211. doi: 10.3389/fpls.2018.01211. eCollection 2018.

<https://doi.org/10.3389/fpls.2018.01211>

Cahill JF, Kertesz V, Porta T, Yves LeBlanc JC, Heeren RMA, Van Berkel GJ:

Solvent Effects on Differentiation of Mouse Brain Tissue Using Laser Microdissection 'Cut and Drop' Sampling with Direct Mass Spectral Analysis

Rapid Commun Mass Spectrom. 2018 Jan 3. doi: 10.1002/rcm.8053.

<http://onlinelibrary.wiley.com/doi/10.1002/rcm.8053/full>

Cahill JF, Kertesz V, Van Berkel GJ:

Laser dissection sampling modes for direct mass spectral analysis

Rapid Commun Mass Spectrom. 2016 Mar 15;30(5):611-9. doi: 10.1002/rcm.7477.

<http://dx.doi.org/10.1002/rcm.7477>

Cahill JF, Kertesz V, Van Berkel GJ:

Characterization and Application of a Hybrid Optical Microscopy/Laser Ablation Liquid Vortex Capture/Electrospray Ionization System for Mass Spectrometry Imaging with Sub-micrometer Spatial Resolution

Anal Chem. 2015 Oct 22.

<http://dx.doi.org/10.1021/acs.analchem.5b03293>

Cahill JF, Kertesz V, Weiskittel TM, Vavrek M, Freddo C, Van Berkel GJ:

Online, Absolute Quantitation of Propranolol from Spatially Distinct 20- and 40-µm Dissections of Brain, Liver, and Kidney Thin Tissue Sections by Laser Microdissection–Liquid Vortex Capture–Mass Spectrometry

Anal Chem. 2016 May 23.

<http://pubs.acs.org/doi/abs/10.1021/acs.analchem.6b01155?journalCode=ancham>

Canela VH:

Molecular Studies on Calcium Oxalate Kidney Stones: A Window into the Pathogenesis of Nephrolithiasis

Thesis, May 2022

<https://scholarworks.iupui.edu/handle/1805/29298>

Canela VH, Bledsoe S, Barwinska D, Lingeman JE, Ashkar TM, Williams JC Jr:

Laser Microdissection of Human Calcium Oxalate Monohydrate Stones Enables Structurally Specific Exploration of the Stone Proteome

The Journal of Urology, 2019, PD38-06

<https://www.auajournals.org/doi/pdf/10.1097/01.JU.0000556374.09513.de>

Canela VH, Bledsoe SB, Lingeman JE, Gerber G, Worcester EM, El-Achkar TM, Williams JC Jr:

Demineralization and sectioning of human kidney stones: A molecular investigation revealing the spatial heterogeneity of the stone matrix

Physiol Rep. 2021 Jan;9(1):e14658. doi: 10.14814/phy2.14658.

<https://physoc.onlinelibrary.wiley.com/doi/full/10.14814/phy2.14658>

Atheroma-specific lipids in *ldlr*^{-/-} and *apoe*^{-/-} mice using 2D and 3D matrix-assisted laser desorption/ionization mass spectrometry imaging

J. Am. Soc. Mass Spectrom., 27 Jul 2020, DOI: 10.1021/jasms.0c00070

<https://pubs.acs.org/doi/abs/10.1021/jasms.0c00070>

Cardoso Dos Santos LM, Avila Y, Schwartz D, Rougemont AL, Bochaton-Piallat ML, Ruchonnet-Metrailler I:

Laser microdissection, proteomics, and multiplex immunohistochemistry: a bumpy ride into the study of paraffin-embedded fetal and pediatric lung tissues

Front Med (Lausanne). 2023 Aug 29;10:1191205. doi: 10.3389/fmed.2023.1191205.

<https://doi.org/10.3389/fmed.2023.1191205>

Castelli, J.B., Carvalho, V.M.:

Proteomics by Mass Spectrometry in the Typing of Amyloidosis

In: Xavier de Ávila, D., Villacorta Junior, H. (eds) Amyloidosis and Fabry Disease. Springer, Cham.

https://doi.org/10.1007/978-3-031-17759-0_18

Catenacci DV, Liao WL, Thyparambil S, Henderson L, Xu P, Zhao L, Rambo B, Hart J, Xiao SY, Bengali K, Uzzell J, Darfler M, Krizman DB, Cecchi F, Bottaro DP, Karrison T, Veenstra TD, Hembrough T, Burrows J:

Absolute Quantitation of Met Using Mass Spectrometry for Clinical Application: Assay Precision, Stability, and Correlation with MET Gene Amplification in FFPE Tumor Tissue

PLoS One. 2014 Jul 1;9(7):e100586. doi: 10.1371/journal.pone.0100586. eCollection 2014.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0100586#pone-0100586-g001>

Caza T, Hassen S, Kuperman M, Sharma S, Dvanajscak Z, Arthur J, Edmondson R, Storey A, Herzog C, Kenan D, Larsen C:

Neural cell adhesion molecule 1 is a novel autoantigen in membranous lupus nephritis

Kidney Int. 2020 Oct 9:S0085-2538(20)31180-7. doi: 10.1016/j.kint.2020.09.016

<https://www.sciencedirect.com/science/article/pii/S0085253820311807>

Caza TN, Storey A, Hassen SI, Herzog C, Edmondson R, Arthur JM, Kenan DJ, Larsen CP:

Discovery of seven novel putative antigens in membranous nephropathy and membranous lupus nephritis identified by mass spectrometry

Kidney Int. 2023 Jan 10:S0085-2538(23)00005-4. doi: 10.1016/j.kint.2023.01.001.

<https://doi.org/10.1016/j.kint.2023.01.001>

Chakrabarti S, Makhmut A, Mohammadi A, Luo W, Wang L, Lewin GR, Coscia F:

Ultrasensitive proteomics uncovers nociceptor diversity and novel pain targets

bioRxiv, Sept 21, 2025

<https://doi.org/10.1101/2025.09.20.677124>

Chambers AG, Chain DC, Sweet SM, Song Z, Martin PL, Ellis MJ, Rooney C, Kim YJ:

Mass spectrometry quantifies target engagement for a KRASG12C inhibitor in FFPE tumor tissue

Clin Proteomics. 2023 Oct 25;20(1):47. doi: 10.1186/s12014-023-09435-8.

<https://doi.org/10.1186/s12014-023-09435-8>

Chan LJG; Olsson N; Preciado López M; Hake K; Tomono H; Veras MA; McAllister FE

Plasma and Kidney Proteome Profiling Combined with Laser Capture Microdissection Reveal Large Increases in Immunoglobulins with Age

Proteomes 2024; 12, 16. 3. June 2024.

<https://doi.org/10.3390/proteomes12020016>

Chapman JR, Liu A, Yi SS, Hernandez E, Ritorto MS, Jungbluth AA, Pulitzer M, Dogan A:

Proteomic analysis shows that the main constituent of subepidermal localised cutaneous amyloidosis is not galectin-7

Amyloid. 2020 Sep 1;1-7. doi:10.1080/13506129.2020.1811962

<https://www.tandfonline.com/doi/abs/10.1080/13506129.2020.1811962>

Charalampos C, Surendra D, Ellen M, Jason TD, Julie VA, Angela D, Nelson L, Eli M, Morie G, Marina RA, Taxiarchis K:

A proteomic atlas of kidney amyloidosis provides insights into disease pathogenesis

Kidney Int. 2023 Dec 12:S0085-2538(23)00861-X. doi: 10.1016/j.kint.2023.11.023.

<https://doi.org/10.1182/blood-2009-07-230722>

Chen H, Zhang Y, Zhou H, Chen W, Peng J, Feng Y, Fan L, Li J, Zi J, Ren Y, Li Q, Liu S:

Routine Workflow of Spatial Proteomics on Micro-formalin-Fixed Paraffin-Embedded Tissues

Anal Chem. 2023 Nov 3. doi: 10.1021/acs.analchem.3c03848.

<https://doi.org/10.1021/acs.analchem.3c03848>

Chen L, Gao R, Wei G, Luo S, Köllner TG, Xu H, Jiang Y, Zhang C, Chen X, Dickschat JS, Gershenzon J, Li S, Chang Y, Chen F:

Microbial-type terpene synthases significantly contribute to the terpene profile of glandular trichomes of the fern *Dryopteris fragrans* (L.)

Plant J. 2025 Mar;121(6):e70079. doi: 10.1111/tpj.70079.

<https://doi.org/10.1111/tpj.70079>

Chen LL, Chu SS, Zhang L, Xie J, Dai M, Wu X, Peng HS:

Tissue-Specific Metabolite Profiling on the Different Parts of Bolting and Unbolting *Peucedanum praeruptorum* Dunn (Qianhu) by Laser Microdissection Combined with UPLC-Q/TOF-MS and HPLC-DAD

Molecules. 2019 Apr 11;24(7). pii: E1439. doi: 10.3390/molecules24071439.

<http://www.mdpi.com/resolver?pii=molecules24071439>

Chen QL, Chen YJ, Zhou SS, Yip KM, Xu J, Chen HB, Zhao ZZ:

Laser microdissection hyphenated with high performance gel permeation chromatography-charged aerosol detector and ultra performance liquid chromatography-triple quadrupole mass spectrometry for histochemical analysis of polysaccharides in herbal medicine: Ginseng, a case study

Int J Biol Macromol. 2017 Aug 31. pii: S0141-8130(17)32336-X. doi: 10.1016/j.ijbiomac.2017.08.162.

[https://linkinghub.elsevier.com/retrieve/pii/S0141-8130\(17\)32336-X](https://linkinghub.elsevier.com/retrieve/pii/S0141-8130(17)32336-X)

Chen Y, Xu L, Zhao Y, Zhao Z, Chen H, Yi T, Qin M, Liang Z:

Tissue-specific metabolite profiling and quantitative analysis of ginsenosides in *Panax quinquefolium* using laser microdissection and liquid chromatography–quadrupole/time of flight-mass spectrometry

Chem Cent J. 2015; 9: 66. 2015 Dec 9. doi: 10.1186/s13065-015-0141-0

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4673779/>

Chen YB, Jiang B, Zhuang K, Wang H, Peng HM, Zhong BW, Xie WT, Chen KW, Zou TT, Wang Y, Yang HL, Yang Q, Zhou J, Zhong L, Zhang LH, Zhang J:

Hyperactivity of subicular parvalbumin interneurons drives early amyloid pathology and cognitive deficits in Alzheimer's disease

Mol Psychiatry. 2025 Sep 6. doi: 10.1038/s41380-025-03217-4.

<https://doi.org/10.1038/s41380-025-03217-4>

Cheng, A.L., Huang, W.G., Chen, Z.C., Peng, F., Zhang, P.F., Li, M.Y., Li, F., Li, J.L., Li, C., Yi, H., Yi, B., and Xiao, Z.Q.:

Identification of novel nasopharyngeal carcinoma biomarkers by laser capture microdissection and proteomic analysis

Clin Cancer Res 14(2): 435-445 (2008)

<http://clincancerres.aacrjournals.org/content/14/2/435.long>

Cheng, A.L., Huang, W.G., Chen, Z.C., Zhang, P.F., Li, M.Y., Li, F., Li, J.L., Li, C., Yi, H., Peng, F., Duan, C.J., and Xiao, Z.Q.:

Identifying cathepsin D as a biomarker for differentiation and prognosis of nasopharyngeal carcinoma by laser capture microdissection and proteomic analysis

J Proteome Res 7(6): 2415-2426 (2008)

<http://pubs.acs.org/doi/abs/10.1021/pr7008548>

Cheng L, Mann SA, Lopez-Beltran A, Chovanec M, Santoni M, Wang M., Albany C, Adra N, Davidson DD, Cimadamore A, Montironi R, and Zhang S :

Molecular Characterization of Testicular Germ Cell Tumors Using Tissue Microdissection

Methods Mol Biol. 2021;2195:31-47. doi: 10.1007/978-1-0716-0860-9_3.

https://dx.doi.org/10.1007/978-1-0716-0860-9_3

Choi J, Kim DH, Jung WH, Koo JS:

Metabolic interaction between cancer cells and stromal cells according to breast cancer molecular subtype

Breast Cancer Res. 2013 Sep 10;15(5):R78.

<http://breast-cancer-research.com/content/15/5/R78>

Chu Y, Lan RS, Huang R, Feng H, Kumar R, Dayal S, Chan K-S, Dai D-F:

Glutathione peroxidase-1 overexpression reduces oxidative stress, and improves pathology and proteome remodeling in the kidneys of old mice

Aging Cell. 2020 May 13. doi: 10.1111/accel.13154.

<https://onlinelibrary.wiley.com/doi/pdf/10.1111/accel.13154>

Claes BSR, Krestensen KK, Yagnik G, Grgic A, Kuik C, Lim MJ, Rothschild KJ, Vandenbosch M, Heeren RMA:

MALDI-IHC-Guided In-Depth Spatial Proteomics: Targeted and Untargeted MSI Combined

Anal Chem. 2023 Jan 13. doi: 10.1021/acs.analchem.2c04220.

<https://pubs.acs.org/doi/full/10.1021/acs.analchem.2c04220>

Clotet-Freixas S, McEvoy CM, Batruch I, Van J, Pastrello C, Kotlyar M, Arambewela M, Boshart A, Farkona S, Niu Y, Li Y, Famure O, Bozovic A, Kulasingam V, Chen P, Kim J, Chan E, Moshkelgosha S, Martinu T, Juvet S, Jurisica I, Chruscinski A, John R, Konvalinka A:

Proteomics Reveals Extracellular Matrix Injury in the Glomeruli and Tubulointerstitium of Kidney Allografts with Early Antibody-Mediated Rejection

bioRxiv 2020.03.03.975672; doi: <https://doi.org/10.1101/2020.03.03.975672>

<https://www.biorxiv.org/content/10.1101/2020.03.03.975672v1.full>

Colombat M, Barres B, Renaud C, Ribes D, Pericard S, Camus M, Anesia R, van Acker N, Chauveau D, Burlet-Schiltz O, Brousset P, Valleix S:

Mass spectrometry-based proteomic analysis of parathyroid adenomas reveals PTH as a new human hormone-derived amyloid fibril protein

Amyloid. 2021 Feb 13;1-5. doi: 10.1080/13506129.2021.1885023.

<https://www.tandfonline.com/doi/abs/10.1080/13506129.2021.1885023>

Corvigno S, Badal S, Spradlin ML, Keating M, Pereira I, Stur E, Bayraktar E, Foster KI, Bateman NW, Barakat W, Darcy KM, Conrads TP, Maxwell GL, Lorenzi PL, Lutgendorf SK, Wen Y, Zhao L, Thaker PH, Goodheart MJ, Liu J, Fleming N, Lee S, Eberlin LS, Sood AK:

In situ profiling reveals metabolic alterations in the tumor microenvironment of ovarian cancer after chemotherapy

NPJ Precis Oncol. 2023 Nov 3;7(1):115. doi: 10.1038/s41698-023-00454-0.

<https://www.nature.com/articles/s41698-023-00454-0>

Coscia F, Nielsen AB, Weigert M, Watters K, Javellana M, Anglesio M, Yamada SD, Lastra RR, Mann M, Lengyel E:

A Proteogenomic View of Synchronous Endometrioid Endometrial and Ovarian Cancer

Clin Cancer Res. 2025 Mar 27. doi: 10.1158/1078-0432.CCR-24-1763.

<https://doi.org/10.1158/1078-0432.CCR-24-1763>

Cuadrado E, Rosell A, Penalba A, Slevin M, Alvarez-Sabín J, Ortega-Aznar A, Montaner J:

Vascular MMP-9/TIMP-2 and neuronal MMP-10 up-regulation in human brain after stroke: a combined laser microdissection and protein array study

J Proteome Res. 2009 Jun;8(6):3191-7. doi: 10.1021/pr801012x.

<http://dx.doi.org/10.1021/pr801012x>

Cui, Z., Li, M., Han, X., Liu, H., Li, C., Peng, H., Liu, D., Huang, X., and Zhang, Z.:

Morphogenesis, ultrastructure, and chemical profiling of trichomes in *Artemisia argyi* H. Lév. & Vaniot (Asteraceae)

Planta 255, 102 (2022).

<https://doi.org/10.1007/s00425-022-03889-0>

Cumming N, Dinan A, McLean CA:

Qualitative Assurance in Molecular Testing: Assessing Minimum Tumour Area Requirements for PCR Amplification and MALDI-TOF MS Using FFPE Tissues

Pathology, 2019

[https://www.pathologyjournal.rcpa.edu.au/article/S0031-3025\(18\)30908-5/pdf](https://www.pathologyjournal.rcpa.edu.au/article/S0031-3025(18)30908-5/pdf)

Dai T, Adachi J, Dai Y, Nakano N, Yamato M, Kikuchi S, Usui S, Minami Y, Tomonaga T, Noguchi M, Matsubara D, Sakamoto N:

In-depth proteomics reveals the characteristic developmental profiles of early lung adenocarcinoma with epidermal growth factor receptor mutation

Cancer Med. 2023 Apr 2. doi: 10.1002/cam4.5766.

<https://doi.org/10.1002/cam4.5766>

Desai P, Takahashi N, Kumar R, Nichols S, Malin J, Hunt A, Schultz C, Cao Y, Tillo D, Nousome D, Chauhan L, Sciuto L, Jordan K, Rajapakse V, Lissa D, Zhang Y, Kumar S, Pongor L, Singh A, Schroder B, Kumar Sharma A, Chang T, Vilimas R, Pinkiert D, Graham C, Butcher D, Warner A, Sebastian R, Mahon M, Baker K, Cheng J, Berger A, Lake R, Abel M, Krishnamurthy M, Chrisafis G, Fitzgerald P, Micheal Nirula M, Goyal S, Atkinson D, Bateman NW, Abulez T, Nair G, Apolo A, Guha U, Karim B, El Meskini R, Ohler ZW, Kumar Jolly M, Schaffer A, Ruppert E, Kleiner D, Miettinen M, Brown GT, Hewitt S, Conrads T, Thomas A:

Microenvironment Shapes Cell State, Plasticity, and Heterogeneity of Small Cell Lung Cancer

bioRxiv, Feb 14., 2024

<https://doi.org/10.1101/2024.02.09.579028>

Dasari S, Amin MS, Kurtin PJ, Vrana JA, Theis JD, Grogg KL, Alexander MP, Nasr SH, Fervenza FC, Leung N, Sethi S:

Clinical, biopsy, and mass spectrometry characteristics of renal apolipoprotein A-IV amyloidosis

Kidney Int. 2016 Jun 2. pii: S0085-2538(16)30130-2. doi: 10.1016/j.kint.2016.04.003.

[http://www.kidney-international.org/article/S0085-2538\(16\)30130-2/fulltext](http://www.kidney-international.org/article/S0085-2538(16)30130-2/fulltext)

Dasari S, Theis JD, Vrana JA, Zenka RM, Zimmermann MT, Kocher JP, Highsmith Jr WE, Kurtin PJ, Dogan A:

Clinical proteome informatics workbench detects pathogenic mutations in hereditary amyloidoses

J Proteome Res. 2014 Mar 20.

<http://dx.doi.org/10.1021/pr4011475>

Datta M, Via LE, Dartois V, Weiner DM, Zimmerman M, Kaya F, Walker AM, Fleegle JD, Raplee ID, McNinch C, Zarodniuk M, Kamoun WS, Yue C, Kumar AS, Subudhi S, Xu L, Barry CE 3rd, Jain RK:

Normalizing granuloma vasculature and matrix improves drug delivery and reduces bacterial burden in tuberculosis-infected rabbits

Proc Natl Acad Sci U S A. 2024 Apr 2;121(14):e2321336121. doi: 10.1073/pnas.2321336121.

<https://doi.org/10.1073/pnas.2321336121>

Davis S, Scott C, Oetjen J, Charles PD, Kessler BM, Ansorge O, Fischer R:

Deep topographic proteomics of a human brain tumour

Nat Commun. 2023 Nov 24;14(1):7710. doi: 10.1038/s41467-023-43520-8.

<https://doi.org/10.1038/s41467-023-43520-8>

de la Cuesta F, Mourino-Alvarez L, Baldan-Martin M, Moreno-Luna R, Barderas MG:

Contribution of proteomics to the management of vascular disorders

Translational Proteomics, 2014, Oct 28, DOI: 10.1016/j.trprot.2014.10.002

<http://www.sciencedirect.com/science/article/pii/S2212963414000114>

De Souza, A.I., McGregor, E., Dunn, M.J., and Rose, M.L.:

Preparation of human heart for laser microdissection and proteomics

Proteomics 4(3): 578-586 (2004)

<http://onlinelibrary.wiley.com/doi/10.1002/pmic.200300660/abstract>

Del Turco D, Paul MH, Schlaudraff J, Hick M, Endres K, Müller UC, and Deller T:

Region-Specific Differences in Amyloid Precursor Protein Expression in the Mouse Hippocampus

Front. Mol. Neurosci., 29 November 2016

<http://dx.doi.org/10.3389/fnmol.2016.00134>

Dent A, Faust K, Lam KHB, Alhangari N, Leon AJ, Tsang Q, Kamil ZS, Gao A, Pal P, Lheureux S, Oza A, Diamandis P:

HAVOC: Small-scale histomic mapping of cancer biodiversity across large tissue distances using deep neural networks

Sci Adv. 2023 Sep 29;9(39):eadg1894. doi: 10.1126/sciadv.adg1894.

<https://doi.org/10.1126/sciadv.adg1894>

Dent, AJ:

HAVOC: Mapping of Cancer Biodiversity using Deep Neural Networks

Thesis, 2022

<https://tspace.library.utoronto.ca/handle/1807/123399>

Denti V, Piazza M, Smith A, Paglia G:

Comprehensive Spatial Lipidomics of Formalin-Fixed Paraffin-Embedded Tissue Guided by Mass Spectrometry-Imaging

In: Ivanisevic, J., Giera, M. (eds) A Practical Guide to Metabolomics Applications in Health and Disease. Learning Materials in Biosciences. Springer, Cham.
https://doi.org/10.1007/978-3-031-44256-8_14

Dewez F, Oejten J, Henkel C, Hebel R, Neuwege H, De Pauw E, Heeren RMA, Balluff B:
MS imaging-guided microproteomics for spatial omics on a single instrument
Proteomics. 2020 Aug 7;e1900369. doi: 10.1002/pmic.201900369.
<https://doi.org/10.1002/pmic.201900369>

Dewez F, Martin-Lorenzo M, Herfs M, Baiwir D, Mazzucchelli G, De Pauw E, Heeren RMA, Balluff B:
Precise co-registration of mass spectrometry imaging, histology, and laser microdissection-based omics
Anal Bioanal Chem. 2019 Jul 1. doi: 10.1007/s00216-019-01983-z.
<https://link.springer.com/content/pdf/10.1007%2Fs00216-019-01983-z.pdf>

Dierkes, C., Kreisel, M., Schulz, A., Steinmeyer, J., Wolff, J.-C., Fink, L.
Catabolic Properties of Microdissected Human Endosteal Bone Lining Cells
Calcif Tissue Int 84(2): 146-155 (2008)
<http://www.springerlink.com/content/a2h715150m525279/>

Djidja MC, Chang J, Hadjiprocopis A, Schmich F, Sinclair J, Mršnik M, Schoof EM, Barker HE, Linding R, Jorgensen C, Erler JT:
Identification of hypoxia-regulated proteins using MALDI-Mass Spectrometry Imaging combined with quantitative proteomics
J Proteome Res. 2014 Apr 7
<http://dx.doi.org/10.1021/pr401056c>

Dogan, A:
Classification of Amyloidosis by Mass Spectrometry-Based Proteomics
Current Clinical Pathology, 2012, Part 3, 261-272, DOI: 10.1007/978-1-60761-389-3_21
<http://www.springerlink.com/content/r61x186030018128/>

Dong Z, Jiang W, Wu C, Chen T, Chen J, Ding X, Zheng S, Piatkevich KD, Zhu Y, Guo T:
Spatial proteomics of single cells and organelles on tissue slides using filter-aided expansion proteomics
Nat Commun. 2024 Oct 30;15(1):9378.
<https://doi.org/10.1038/s41467-024-53683-7>

Drummond E, Kavanagh T, Pires G, Ariza MM, Kanshin E, Nayak S, Faustin A, Berdah V, Ueberheide B, Wisniewski T:
The Amyloid Plaque Proteome in Early Onset Alzheimer's Disease and Down Syndrome
Resresearch Square, 8 Feb 2022, DOI: <https://doi.org/10.21203/rs.3.rs-1316035/v1>
<https://www.researchsquare.com/article/rs-1316035/v1>

Drummond E, Nayak S, Faustin A, Pires G, Hickman RA, Askenazi M, Cohen M, Haldiman T, Kim C, Han X, Shao Y, Safar JG, Ueberheide B, Wisniewski T:
Proteomic differences in amyloid plaques in rapidly progressive and sporadic Alzheimer's disease
Acta Neuropathol. 2017 Mar 4. doi: 10.1007/s00401-017-1691-0.
<https://dx.doi.org/10.1007/s00401-017-1691-0>

Drummond E, Nayak S, Pires G, Ueberheide B, Wisniewski T:
Isolation of Amyloid Plaques and Neurofibrillary Tangles from Archived Alzheimer's Disease Tissue Using Laser-Capture Microdissection for Downstream Proteomics
Methods Mol Biol. 2018;1723:319-334. doi: 10.1007/978-1-4939-7558-7_18
https://link.springer.com/protocol/10.1007/978-1-4939-7558-7_18

Drummond ES, Nayak S, Ueberheide B, Wisniewski T:

Proteomic analysis of neurons microdissected from formalin-fixed, paraffin-embedded Alzheimer's disease brain tissue

Sci Rep. 2015 Oct 21;5:15456. doi: 10.1038/srep15456.

<http://dx.doi.org/10.1038/srep15456>

D'Souza A, Theis J, Quint P, Kyle R, Gertz M, Zeldenrust S, Vrana J, Dogan A, Dispenzieri A:

Exploring the amyloid proteome in immunoglobulin-derived lymph node amyloidosis using laser microdissection/tandem mass spectrometry

Am J Hematol. 2013 Apr 20. doi: 10.1002/ajh.23456.

<http://dx.doi.org/10.1002/ajh.23456>

D'Souza A, Theis J, Vrana J, and Dogan A:

Drug-Induced Amyloidosis: A Proteomic Insight Into 52 Cases

Blood, October 21, 2013 vol. 122 no. 21 1871

<http://bloodjournal.hematologylibrary.org/content/122/21/1871.short>

D'Souza A, Theis JD, Vrana JA, Dogan A:

Pharmaceutical amyloidosis associated with subcutaneous insulin and enfuvirtide administration
Amyloid. 2014 Jan 22.

<http://informahealthcare.com/doi/abs/10.3109/13506129.2013.876984>

Duan K, Liu ZJ, Hu SQ, Huo HY, Xu ZR, Ruan JF, Sun Y, Dai LP, Yan CB, Xiong W, Cui QH, Yu HJ, Yu M, Qin Y:

Lactic acid induces lactate transport and glycolysis/OXPHOS interconversion in glioblastoma

Biochem Biophys Res Commun. 2018 Jun 20. pii: S0006-291X(18)31404-9. doi:

10.1016/j.bbrc.2018.06.092.

<https://www.sciencedirect.com/science/article/pii/S0006291X18314049>

Dutta S, Pang M, Coughlin GM, Gudavalli S, Roukes ML, Chou T-F, Gradinaru V:

Molecularly-guided spatial proteomics captures single-cell identity and heterogeneity of the nervous system

bioRxiv, 11 Feb 2025

<https://doi.org/10.1101/2025.02.10.637505>

Eadon M, Barwinska D, Cheng Y-H, Ferkowicz MJ, Parikh SV, Rovin BH, Shapiro JP, Dagher PC, El-Achkar TM:

Laser microdissection for regional transcriptomics and proteomics V.2

Protocols.io, 10 Apr 2020, dx.doi.org/10.17504/protocols.io.bew6jfh

<https://www.protocols.io/view/laser-microdissection-for-regional-transcriptomics-bew6jfh>

Egbelowo O, Sarathy JP, Gausi K, Zimmerman MD, Wang H, Wijnant GJ, Kaya F, Gengenbacher M, Van N, Degefu Y, Nacy C, Aldridge BB, Carter CL, Denti P, Dartois V :

Pharmacokinetics and target attainment of SQ109 in plasma and human-like tuberculosis lesions in rabbits

Antimicrob Agents Chemother. 2021 Jul 6:AAC0002421. doi: 10.1128/AAC.00024-21.

<https://journals.asm.org/doi/pdf/10.1128/AAC.00024-21>

Eggers B, Schork K, Turewicz M, Barkovits K, Eisenacher M, Schröder R, Clemens CS, and Marcus K :

Advanced Fiber Type-Specific Protein Profiles Derived from Adult Murine Skeletal Muscle

Proteomes 2021, 9(2), 28; <https://doi.org/10.3390/proteomes9020028>

<https://www.mdpi.com/2227-7382/9/2/28>

Eggers B, Schork K, Turewicz M, Barkovits K, Eisenacher M, Schröder R, Clemen CS, Marcus K:

Fiber Type-Specific Proteomic Alterations in R349P Desminopathy Mice

Muscle Nerve. 2025 Mar 3. doi: 10.1002/mus.28379.

<https://doi.org/10.1002/mus.28379>

Ernest JP, Sarathy J, Wang N, Kaya F, Zimmerman MD, Strydom N, Wang H, Xie M, Gengenbacher M, Via LE, Barry CE 3rd, Carter CL, Savic RM, Dartois V:

Lesion penetration and activity limit the utility of second-line injectable agents in pulmonary tuberculosis.

Antimicrob Agents Chemother. 2021 Jul 12;AAC0050621. doi: 10.1128/AAC.00506-21.

<https://journals.asm.org/doi/pdf/10.1128/AAC.00506-21>

Esaka F, Lee CG, Magara M, Kimura T:

Fission track-secondary ion mass spectrometry as a tool for detecting the isotopic signature of individual uranium containing particles

Anal Chim Acta. 2012 Apr 6;721:122-8. Epub 2012 Feb 10.

<http://www.sciencedirect.com/science/article/pii/S0003267012002012>

Fang J, Ramsay A, Renouard S, Hano C, Lamblin F, Chabbert B, Mesnard F, Schneider B:

Laser Microdissection and Spatiotemporal Pinoresinol-Lariciresinol Reductase Gene Expression Assign the Cell Layer-Specific Accumulation of Secoisolariciresinol Diglucoside in Flaxseed Coats

Front Plant Sci. 2016 Nov 21;7:1743. doi: 10.3389/fpls.2016.01743. eCollection 2016.

<https://www.frontiersin.org/articles/10.3389/fpls.2016.01743/full>

Fehmi J, Davies AJ, Antonelou M, Keddie S, Pikkupeura S, Querol L, Delmont E, Cortese A, Franciotta D, Persson S, Barratt J, Pepper R, Farinha F, Rahman A, Canetti D, Gilbertson JA, Rendell NB, Radunovic A, Minton T, Fuller G, Murphy SM, Carr AS, Reilly MR, Eftimov F, Wieske L, Teunissen CE, Roberts ISD, Ashman N, Salama AD, Rinaldi S:

Contactin-1 links autoimmune neuropathy and membranous glomerulonephritis

PLoS One. 2023 Mar 9;18(3):e0281156. doi: 10.1371/journal.pone.0281156.

<https://doi.org/10.1371/journal.pone.0281156>

Feldiorean A, Bena J, Nakashima MO, McShane AJ, Cotta CV:

Formalin-Fixation Followed by Paraffin-Embedding Allows Long-Term Storage of Proteins for Liquid Chromatography Tandem Mass Spectrometry Analysis

Lab Invest. 2023 Jul 28;100224. doi: 10.1016/j.labinv.2023.100224.

<https://doi.org/10.1016/j.labinv.2023.100224>

Feldkirchner S, Schessl J, Müller S, Schoser B, Hanisch FG:

Patient-specific protein aggregates in myofibrillar myopathies: laser microdissection and differential proteomics for identification of plaque components

Proteomics. 2012 Dec;12(23-24):3598-609. doi: 10.1002/pmic.201100559.

<http://dx.doi.org/10.1002/pmic.201100559>

Feldkirchner S, Walter MC, Müller S, Kubny C, Krause S, Kress W, Hanisch FG, Schoser B, Schessl J:
Proteomic characterization of aggregate components in an intrafamilial variable FHL1-associated myopathy

Neuromuscul Disord. 2013 May;23(5):418-26. doi: 10.1016/j.nmd.2013.02.006.

[http://linkinghub.elsevier.com/retrieve/pii/S0960-8966\(13\)00062-X](http://linkinghub.elsevier.com/retrieve/pii/S0960-8966(13)00062-X)

Fervenza FC, Smith RJ, Sethi S:

Association of a Novel Complement Factor H Mutation With Severe Crescentic and Necrotizing Glomerulonephritis

Am J Kidney Dis. 2012 Apr 25. [Epub ahead of print]

[http://linkinghub.elsevier.com/retrieve/pii/S0272-6386\(12\)00626-9](http://linkinghub.elsevier.com/retrieve/pii/S0272-6386(12)00626-9)

Figueroa JJ, Peter Bosch E, Dyck PJ, Singer W, Vrana JA, Theis JD, Dogan A, Klein CJ:

Amyloid-like IgM deposition neuropathy: a distinct clinico-pathologic and proteomic profile disorder

J Peripher Nerv Syst. 2012 Jun;17(2):182-90. doi: 10.1111/j.1529-8027.2012.00406.x.
<http://onlinelibrary.wiley.com/doi/10.1111/j.1529-8027.2012.00406.x/abstract>

Fiorilli V, Klink VP and Balestrini R:

Proteomic Analyses of Cells Isolated by Laser Microdissection

Integrative Proteomics, ISBN: 978-953-51-0070-6

<http://www.intechopen.com/books/integrative-proteomics/proteomic-analyses-of-cells-isolated-by-laser-microdissection>

Fonseca FP, Macedo CCS, dos Santos Costa FS, Leme AFP, Rodrigues RR, Pontes HAR, Altemani A, van Heerden WFP, Martins MD, de Almeida OP, Silva ARS, Lopes MA, Vargas PA:

MASS SPECTROMETRY-BASED PROTEOME PROFILE MAY BE USEFUL TO DIFFERENTIATE ADENOID CYSTIC CARCINOMA FROM POLYMORPHOUS ADENOCARCINOMA OF SALIVARY GLANDS,

Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2019 Aug 1, ISSN 2212-4403

<http://www.sciencedirect.com/science/article/pii/S2212440319313719>

Fredman G, Skov L, Mann M, Dyring-Andersen B:

Towards Precision Dermatology: Emerging Role of Proteomic Analysis of the Skin

Dermatology. 2021 Jun 1:1-10. doi: 10.1159/000516764.

<https://www.karger.com/Article/FullText/516764>

Friess C, Götz M, Kjell J:

Cryo-section Dissection of the Adult Subependymal Zone for Accurate and Deep Quantitative Proteome Analysis

J Vis Exp. 2021 Oct 7;(176). doi: 10.3791/63047.

<https://www.jove.com/de/t/63047/cryo-section-dissection-adult-subependymal-zone-for-accurate-deep>

Fu Z, Crooks EJ, Irizarry BA, Zhu X, Chowdhury S, Van Nostrand WE, Smith SO:

An electrostatic cluster guides A β 40 fibril formation in sporadic and Dutch-type cerebral amyloid angiopathy

J Struct Biol. 2024 Apr 12:108092. doi: 10.1016/j.jsb.2024.108092.

<https://doi.org/10.1016/j.jsb.2024.108092>

Fujii K, Miyata Y, Takahashi I, Koizumi H, Saji H, Hoshikawa M, Takagi M, Nishimura T, Nakamura H

Differential Proteomic Analysis between Small Cell Lung Carcinoma (SCLC) and Pulmonary Carcinoid Tumors Reveals Molecular Signatures for Malignancy in Lung Cancer

Proteomics Clin Appl. 2018 Nov;12(6):e1800015. doi: 10.1002/prca.201800015.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/prca.201800015>

Fukuda T, Nomura M, Kato Y, Tojo H, Fujii K, Nagao T, Bando Y, Fehniger TE, Marko-Varga G, Nakamura H, Kato H, Nishimura T:

A selected reaction monitoring mass spectrometric assessment of biomarker candidates diagnosing large-cell neuroendocrine lung carcinoma by the scaling method using endogenous references

PLoS One. 2017 Apr 27;12(4):e0176219. doi: 10.1371/journal.pone.0176219. eCollection 2017.

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0176219>

G Jagadeeshaprasad M, Zeng J, Zheng N:

LC-MS bioanalysis of protein biomarkers and protein therapeutics in formalin-fixed paraffin-embedded tissue specimens

Bioanalysis. 2024 Jan 16. doi: 10.4155/bio-2023-0210

<https://doi.org/10.4155/bio-2023-0210>

García-Berrocoso T, Giralt D, Llombart V, Bustamante A, Penalba A, Flores A, Ribó M, Molina CA, Rosell A, Montaner J:

Chemokines after human ischemic stroke: from neurovascular unit to blood using protein arrays

Translational Proteomics, 2014 12 Mar, <http://dx.doi.org/10.1016/j.trprot.2014.03.001>

<http://www.sciencedirect.com/science/article/pii/S2212963414000035>

García-Berrocoso T, Llombart V, Colàs-Campàs L, Hainard A, Licker V, Penalba A, Ramiro L, Simats A, Bustamante A, Martínez-Saez E, Canals F, Sanchez JC, Montaner J:

Single Cell Immuno-laser Microdissection Coupled to Label-free Proteomics to Reveal the Proteotypes of Human Brain Cells After Ischemia

Mol Cell Proteomics. 2017 Nov 13. pii: mcp.RA117.000419. doi: 10.1074/mcp.RA117.000419.

<http://www.mcponline.org/cgi/pmidlookup?view=long&pmid=29133510>

Gengenbacher M, Zimmerman MD, Sarathy JP, Kaya F, Wang H, Mina M, Carter C, Hossen MA, Su H, Trujillo C, Ehrt S, Schnappinger D, Dartois V:

Tissue distribution of doxycycline in animal models of tuberculosis

Antimicrob Agents Chemother. 2020 Feb 10. pii: AAC.02479-19. doi: 10.1128/AAC.02479-19.

<http://aac.asm.org/cgi/pmidlookup?view=long&pmid=32041718>

Gibier JB, Perbet R, Lopez B, Colombat M, Dubois R, Humez S, Terriou L, Copin MC, Gnemmi V:

Paraffin Immunofluorescence Increases Light-Chain Detection in Extra-Renal Light Chain Amyloidosis and Other Light-Chain-Associated Diseases

Arch Pathol Lab Med. 2020 Jun 15. doi: 10.5858/arpa.2020-0018-OA.

<https://www.archivesofpathology.org/doi/pdf/10.5858/arpa.2020-0018-OA>

Gilbertson JA, Theis JD, Vrana JA, Lachmann H, Wechalekar A, Whelan C, Hawkins PN, Dogan A, Gillmore JD:

A comparison of immunohistochemistry and mass spectrometry for determining the amyloid fibril protein from formalin-fixed biopsy tissue

J Clin Pathol. 2015 Jan 30. pii: jclinpath-2014-202722. doi: 10.1136/jclinpath-2014-202722.

<http://jcp.bmj.com/cgi/pmidlookup?view=long&pmid=25637636>

Gilley J, Li H, Kaul A, Keswani S:

The Role of Endothelial to Mesenchymal Transition in Congenital Diaphragmatic Hernia Pulmonary Hypertension

Symposia Poster

<https://www.texaschildrens.org/sites/default/files/uploads/documents/symposia/srd/posters/2.pdf>

Gillot L, Lebeau A, Baudin L, Pottier C, Louis T, Durré T, Longuespée R, Mazzucchelli G, Nizet C, Blacher S, Kridelka F, Noël A:

Periostin in lymph node pre-metastatic niches governs lymphatic endothelial cell functions and metastatic colonization

Cell Mol Life Sci. 2022 May 14;79(6):295. doi: 10.1007/s00018-022-04262-w.

<https://link.springer.com/article/10.1007/s00018-022-04262-w>

Goodwin RJ, Scullion P, Macintyre L, Watson DG, Pitt AR:

Use of a solvent-free dry matrix coating for quantitative matrix-assisted laser desorption ionization imaging of 4-bromophenyl-1,4-diazabicyclo(3.2.2)nonane-4-carboxylate in rat brain and quantitative analysis of the drug from laser microdissected tissue regions

Anal Chem 82(9): 3868-73 (2010)

<http://pubs.acs.org/doi/abs/10.1021/ac100398y>

Gormley M, Oliverio O, Kapidzic M, Ona K, Hall S, Fisher SJ:

RNA profiling of laser microdissected human trophoblast subtypes at mid-gestation reveals a role for cannabinoid signaling in invasion

Development. 2021 Sep 24;dev.199626. doi: 10.1242/dev.199626.

<https://journals.biologists.com/dev/article/doi/10.1242/dev.199626/272276/RNA-profiling-of-laser-microdissected-human>

Gouran M:

Transcriptional Regulation of Xylem Development and Secondary Cell Wall Composition

Thesis, 2023

<https://escholarship.org/uc/item/3ff6j9x3>

Großerueschkamp F, Bracht T, Diehl HC, Kuepper C, Ahrens M, Kallenbach-Thieltges A, Mosig A, Eisenacher M, Marcus K, Behrens T, Brüning T, Theegarten D, Sitek B, Gerwert K:

Spatial and molecular resolution of diffuse malignant mesothelioma heterogeneity by integrating label-free FTIR imaging, laser capture microdissection and proteomics

Sci Rep. 2017 Mar 30;7:44829. doi: 10.1038/srep44829.

<http://dx.doi.org/10.1038/srep44829>

Grünwald BT, Devisme A, Andrieux G, Vyas F, Aliar K, McCloskey CW, Macklin A, Jang GH, Denroche R, Romero JM, Bavi P, Bronsert P, Notta F, O'Kane G, Wilson J, Knox J, Tamblyn L, Udaskin M, Radulovich N, Fischer SE, Boerries M, Gallinger S, Kislinger T, Khokha R:

Spatially confined sub-tumor microenvironments in pancreatic cancer.

Cell. 2021 Oct 7:S0092-8674(21)01105-3. doi: 10.1016/j.cell.2021.09.022.

<https://www.sciencedirect.com/science/article/pii/S0092867421011053>

Grünwald BT, Devisme A, Andrieux G, Vyas F, Aliar K, McCloskey C, Macklin A, Jang GH, Denroche R, Romero JM, Bavi P, Bronsert P, Notta F, O'Kane G, Wilson J, Knox J, Tamblyn L, Radulovich N, Fischer SE, Boerries M, Gallinger S, Kislinger T, Khokha R:

Spatially confined sub-tumor microenvironments orchestrate pancreatic cancer pathobiology

bioRxiv, 19 Feb 2021, doi: <https://doi.org/10.1101/2021.02.18.431890>

<https://www.biorxiv.org/content/10.1101/2021.02.18.431890v1>

Gu-Qing Z, Ai-Lan C, Hong Y, Mao-Yu L, Guo-Qing L, Jian-Ling L, Li L:

Quantitative Proteomic Study for Various Stage Tissues of Human Bronchial Epithelial Carcinogenesis by Laser Capture Microdissection

Prog. Biochem. Biophys. 2013; 40 (6)

http://www.pibb.ac.cn/pibben/ch/reader/view_abstract.aspx?file_no=20120474&flag=2

Guedes J, Szadai L, Woldmar N, János Á, Koronczi K, Lengyel BM, Kelemen B, Boltas E, Gyulai R, Wieslander E, Pawlowski K, Horvatovich P, Betancourt L, Szasz AM, Vereb Z, Horvath P, Oskolás H, Appelqvist R, Malm J, Marko-Varga G, Németh IB, Gil J:

The melanoma MEGA-study: Integrating proteogenomics, digital pathology, and AI-analytics for precision oncology

J Proteomics. 2025 Jun 16;105482. doi: 10.1016/j.jprot.2025.105482.

<https://doi.org/10.1016/j.jprot.2025.105482>

Guedes J, Woldmar N, Szasz AM, Wieslander E, Pawlowski K, Horvatovich P, Malm J, Szadai L, Németh IB, Marko-Varga G, Gil J:

A perspective on integrating digital pathology, proteomics, clinical data and AI analytics in cancer research.

J Proteomics. 2025 Jul 16;320:105493. doi: 10.1016/j.jprot.2025.105493.

<https://doi.org/10.1016/j.jprot.2025.105493>

Guo T, Steen JA & Mann M:

Mass-spectrometry-based proteomics: from single cells to clinical applications

Nature **638**, 901–911 (2025).

<https://doi.org/10.1038/s41586-025-08584-0>

Hagen CE, Dasari S, Theis JD, Rech K, Dao L, Howard M, Larson DP, Nasr SH, Dispenzieri A, Chiu A, Dalland J, Gertz M, Kourelis T, Muchtar E, Vrana JA, McPhail ED:

Gallbladder amyloidosis is often unexpected and may have systemic implications

Am J Clin Pathol. 2025 Aug 29;aqaf090. doi: 10.1093/ajcp/aqaf090.

<https://doi.org/10.1093/ajcp/aqaf090>

Handa T, Sasaki H, Takao M, Tano M, Uchida Y:

Proteomics-based investigation of cerebrovascular molecular mechanisms in cerebral amyloid angiopathy by the FFPE-LMD-PCT-SWATH method

Fluids Barriers CNS. 2022 Jul 1;19(1):56. doi: 10.1186/s12987-022-00351-x.

<https://link.springer.com/article/10.1186/s12987-022-00351-x>

Hamilton BR, Marshall DL, Casewell NR, Harrison RA, Blanksby SJ, and Undheim EAB:

Mapping Enzyme Activity on Tissue by Functional Mass Spectrometry Imaging

Angew Chem Int Ed Engl. 2020 Mar 2;59(10):3855-3858. doi: 10.1002/anie.201911390.

<https://onlinelibrary.wiley.com/doi/full/10.1002/anie.201911390>

Happyana N, Agnolet S, Muntendam R, Van Dam A, Schneider B, Kayser O

Analysis of cannabinoids in laser-microdissected trichomes of medicinal Cannabis sativa using LCMS and cryogenic NMR

Phytochemistry. 2012 Dec 29. pii: S0031-9422(12)00475-X. doi: 10.1016/j.phytochem.2012.11.001.

[http://linkinghub.elsevier.com/retrieve/pii/S0031-9422\(12\)00475-X](http://linkinghub.elsevier.com/retrieve/pii/S0031-9422(12)00475-X)

Harris MAT:

Initial investigation of the proteomic and immunohistochemical characteristics of the acrosyringium belonging to the human eccrine sweat gland

Thesis, 2023

https://livrepository.liverpool.ac.uk/3168707/1/201314366_Mar2023.pdf

Hayashi J, Kihara M, Kato H, Nishimura T:

A proteomic profile of synoviocyte lesions microdissected from formalin-fixed paraffin-embedded synovial tissues of rheumatoid arthritis.

Clin Proteomics. 2015 Aug 6;12(1):20. doi: 10.1186/s12014-015-9091-8. eCollection 2015.

<http://www.clinicalproteomicsjournal.com/content/12/1/20>

Hembrough T, Thyparambil S, Liao WL, Darfler MM, Abdo J, Bengali KM, Taylor P, Tong J, Lara-Guerra H, Waddell TK, Moran MF, Tsao MS, Krizman DB, Burrows J.:

Selected Reaction Monitoring (SRM) Analysis of Epidermal Growth Factor Receptor (EGFR) in Formalin Fixed Tumor Tissue

Clin Proteomics. 2012 May 3;9(1):5. doi: 10.1186/1559-0275-9-5.

<http://www.clinicalproteomicsjournal.com/content/9/1/5>

Hendriks TFE, Birmipili A, de Vleeschouwer S, Heeren RMA, Cuypers E:

Integrating Rapid Evaporative Ionization Mass Spectrometry Classification with Matrix-Assisted Laser Desorption Ionization Mass Spectrometry Imaging and Liquid Chromatography-Tandem Mass Spectrometry to Unveil Glioblastoma Overall Survival Prediction

ACS Chem Neurosci. 2025 Feb 25. doi: 10.1021/acscchemneuro.4c00463.

<https://doi.org/10.1021/acscchemneuro.4c00463>

Hendriks TFE, Krestensen KK, Mohren R, Vandenbosch M, De Vleeschouwer S, Heeren RMA, and Cuypers E:

MALDI-MSI-LC-MS/MS Workflow for Single-Section Single Step Combined Proteomics and Quantitative Lipidomics

Anal. Chem. 2024, DOI: 10.1021/acs.analchem.3c05850, March 4, 2024

<https://pubs.acs.org/doi/full/10.1021/acs.analchem.3c05850>

Herfs M, Longuespée R, Quick CM, Roncarati P, Suarez-Carmona M, Hubert P, Lebeau A, Bruyere D, Mazzucchelli G, Smargiasso N, Baiwir D, Lai K, Dunn A, Obregon F, Yang EJ, De Pauw E, Crum CP, Delvenne P:

Proteomic signatures reveal a dualistic and clinically relevant classification of anal canal carcinoma

J Pathol. 2016 Dec 15. doi: 10.1002/path.4858.

<http://dx.doi.org/10.1002/path.4858>

Hermans W, Geisslitz S, De Bondt Y, Langenaeken NA, Scherf KA, Courtin CM:

NanoLC-MS/MS protein analysis on laser-microdissected wheat endosperm tissues: A comparison between aleurone, sub-aleurone and inner endosperm

Food Chemistry, 12 Oct 2023, 137735

<https://doi.org/10.1016/j.foodchem.2023.137735>

Hiraide T, Ikegami K, Sakaguchi T, Morita Y, Hayasaka T, Masaki N, Waki M, Sugiyama E, Shinriki S, Takeda M, Shibasaki Y, Miyazaki S, Kikuchi H, Okuyama H, Inoue M, Setou M, Konno H:

Accumulation of arachidonic acid-containing phosphatidylinositol at the outer edge of colorectal cancer

Sci Rep. 2016 Jul 20;6:29935. doi: 10.1038/srep29935.

<http://dx.doi.org/10.1038/srep29935>

Hölscher D, Fuchser J, Knop K, Menezes RC, Buerkert A, Svatoš A, Schubert US, Schneider B:

High resolution mass spectrometry imaging reveals the occurrence of phenylphenalenone-type compounds in red paracytic stomata and red epidermis tissue of *Musa acuminata* ssp. *zebrina* cv. 'Rowe Red'

Phytochemistry. 2015 May 21. pii: S0031-9422(15)00147-8. doi: 10.1016/j.phytochem.2015.04.010.

[http://linkinghub.elsevier.com/retrieve/pii/S0031-9422\(15\)00147-8](http://linkinghub.elsevier.com/retrieve/pii/S0031-9422(15)00147-8)

Honda K, Tasaki M, Yamano T, Ueda M, Naiki H, Tanaka N, Morinaga Y, Miyagawa-Hayashino A:

High frequency of occult transthyretin and apolipoprotein AI-type amyloid in aortic valves removed by valve replacement for aortic stenosis

Amyloid. 2024 Nov 11:1-7. doi: 10.1080/13506129.2024.2426508.

<https://doi.org/10.1080/13506129.2024.2426508>

Hondius DC, Eigenhuis KN, Morrema THJ, van der Schors RC, van Nierop P, Bugiani M, Li KW, Hoozemans JJM, Smit AB, Rozemuller AJM:

Proteomics analysis identifies new markers associated with capillary cerebral amyloid angiopathy in Alzheimer's disease

Acta Neuropathol Commun. 2018 Jun 4;6(1):46. doi: 10.1186/s40478-018-0540-2.

<https://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-018-0540-2>

Hondius DC, Hoozemans JJM, Rozemuller AJM, Li KW, Smit AB:

A Laser Microdissection-Liquid Chromatography-Tandem Mass Spectrometry Workflow for Post-mortem Analysis of Brain Tissue

Methods Mol Biol. 2018;1723:371-383. doi: 10.1007/978-1-4939-7558-7_21.

https://link.springer.com/protocol/10.1007/978-1-4939-7558-7_21

Hondius DC, Hoozemans JJM, Rozemuller AJM, Li KW, Smit AB:

Laser Microdissection for Spatial Proteomics of Postmortem Brain Tissue

Neuroproteomics, 2019, Springer New York CY

https://link.springer.com/protocol/10.1007/978-1-4939-9662-9_4

Hondius DC, Koopmans F, Leistner C, Pita-Illobre D, Peferoen-Baert RM, Marbus F, Paliukhovich I, Li KW, Rozemuller AJM, Hoozemans JJM, Smit AB:

The proteome of granulovacuolar degeneration and neurofibrillary tangles in Alzheimer's disease

Acta Neuropathol. 2021 Jan 25. doi: 10.1007/s00401-020-02261-4.

<https://link.springer.com/article/10.1007/s00401-020-02261-4>

Hondius DC, van Nierop P, Li KW, Hoozemans JJ, van der Schors RC, van Haastert ES, van der Vies SM, Rozemuller AJ, Smit AB:

Profiling the human hippocampal proteome at all pathologic stages of Alzheimer's disease

Alzheimers Dement. 2016 Jun;12(6):654-68. doi: 10.1016/j.jalz.2015.11.002.

[http://linkinghub.elsevier.com/retrieve/pii/S1552-5260\(15\)02987-8](http://linkinghub.elsevier.com/retrieve/pii/S1552-5260(15)02987-8)

Hong L, Wang L, Wang H, Wang Q, Yang S, Tian T, Cui T, Yue S, Hou X, Zheng Z, Chen W:

Podocyte Infolding Glomerulopathy: A Special Morphology of Podocyte Injury Caused by Heterogeneous Diseases

Kidney International Reports (2023), doi: <https://doi.org/10.1016/j.ekir.2023.09.014>.

<https://doi.org/10.1016/j.ekir.2023.09.014>

Hood BL, Liu B, Alkhas A, Shoji Y, Challa R, Wang G, Ferguson S, Oliver J, Mitchell D, Bateman NW, Zahn CM, Hamilton CA, Payson M, Lessey B, Fazleabas AT, Maxwell GL, Conrads TP, Risinger JI:

Proteomics of the Human Endometrial Glandular Epithelium and Stroma from the Proliferative and Secretory Phases of the Menstrual Cycle

Biol Reprod. 2015 Feb 18. pii: biolreprod.114.127217.

<http://www.biolreprod.org/cgi/pmidlookup?view=long&pmid=25695723>

Horvath P, Coscia F:

Spatial proteomics in translational and clinical research

Mol Syst Biol. 2025 Apr 14. doi: 10.1038/s44320-025-00101-9

<https://doi.org/10.1038/s44320-025-00101-9>

Hoshi M, Usami M, Kito C, Sakaizawa K, Matsuda S, Shimoyama Y, Banno H, Ohta T:

Elucidation of generation mechanism of urine hyaline cast

医学検査 Vol.72 No.1 (2023) pp. 33–42 DOI: 10.14932/jamt.22-50 (article in Japanese)

https://www.jstage.jst.go.jp/article/jamt/72/1/72_22-50/_pdf

Hsieh JA, Liou PC, Lin CC, Dai X, Hu CW, Wang IF, Dang JF, Ho YC, Cheng KW, Xu W, Kuo SC, Kao CT, Yang DX, Wang R, Xiao K, Lin JS, Hsu CC, Hsu CC, Mai TL, Cheng Y, Tseng MC, Li W, Chen YL, Lin YJ:

Single-cell and spatial multiomics identifies heterogeneous xylem development driven by mechanical stress in Populus

Dev Cell. 2025 Jul 21:S1534-5807(25)00436-8. doi: 10.1016/j.devcel.2025.06.038.

<https://doi.org/10.1016/j.devcel.2025.06.038>

Hu H, Liu G, Li Y:

The isolation strategy and chemical analysis of oil cells from Asari Radix et Rhizoma

Plant Methods. 2024 May 17;20(1):72. doi: 10.1186/s13007-024-01184-5.

<https://doi.org/10.1186/s13007-024-01184-5>

Huang P, Kong Q, Gao W, Chu B, Li H, Mao Y, Cai Z, Xu R, Tian R:

Spatial Proteome Profiling by Immunohistochemistry-Based Laser Capture Microdissection and Data-Independent Acquisition Proteomics

Analytica Chimica Acta, 2020 Aug 29, doi:10.1016/j.aca.2020.06.049

<https://www.sciencedirect.com/science/article/abs/pii/S000326702030698X>

Huang P, Li H, Gao W, Cai Z, Tian R:

A Fully Integrated Spintip-Based Approach for Sensitive and Quantitative Profiling of Region-Resolved in Vivo Brain Glycoproteome

Anal Chem. 2019 Jul 16;91(14):9181-9189. doi: 10.1021/acs.analchem.9b01930.

<https://dx.doi.org/10.1021/acs.analchem.9b01930>

Hunt AL, Barakat W, Makohon-Moore SC, Hood BL, Conrads KA, Wilson KN, Abulez T, Ogata J, Pienta KJ, Lotan TL, Mani H, Trump DL, Bateman NW, Conrads TP:

Histology-resolved proteomics reveals distinct tumor and stromal profiles in low- and high-grade prostate cancer.

Clin Proteomics. 2025 Apr 20;22(1):14. doi: 10.1186/s12014-025-09534-8.

<https://doi.org/10.1186/s12014-025-09534-8>

Hunt AL, Bateman NW, Barakat W, Makohon-Moore SC, Abulez T, Driscoll JA, Schaaf JP, Hood BL, Conrads KA, Zhou M, Calvert V, Pierobon M, Loffredo J, Wilson KN, Litzi TJ, Teng PN, Oliver J, Mitchell D, Gist G, Rojas C, Blanton B, Darcy KM, Rao UNM, Petricoin EF, Phippen NT, Maxwell GL, Conrads TP:

Mapping three-dimensional intratumor proteomic heterogeneity in uterine serous carcinoma by multiregion microsampling

Clin Proteomics. 2024 Jan 22;21(1):4. doi: 10.1186/s12014-024-09451-2.

<https://doi.org/10.1186/s12014-024-09451-2>

Hunt AL, Bateman NW, Barakat W, Makohon-Moore S, Hood BL, Conrads KA, Zhou M, Calvert V, Pierobon M, Loffredo J, Litzi TJ, Oliver J, Mitchell D, Gist G, Rojas C, Blanton B, Robinson EL, Odunsi K, Sood AK, Casablanca Y, Darcy KM, Shriver CD, Petricoin EF, Rao UNM, Maxwell GL, and Conrads T:

Extensive Three-Dimensional Intratumor Proteomic Heterogeneity Revealed by Multiregion Sampling in High-Grade Serous Ovarian Tumor Specimens

ISCIENCE (2021), doi: <https://doi.org/10.1016/j.isci.2021.102757>.

<https://www.sciencedirect.com/science/article/pii/S2589004221007252>

Hunt AL, Khan I, Wu AML, Makohon-Moore SC, Hood BL, Conrads KA, Abulez T, Ogata J, Mitchell D, Gist G, Oliver J, Wei D, Chung MA, Rahman S, Bateman NW, Zhang W, Conrads TP, Steeg PS:

The murine metastatic microenvironment of experimental brain metastases of breast cancer differs by host age in vivo: a proteomic study

Clin Exp Metastasis. 2023 Nov 2. doi: 10.1007/s10585-023-10233-7.

<https://doi.org/10.1007/s10585-023-10233-7>

Hunt AL, Pierobon M, Baldelli E, Oliver J, Mitchell D, Gist G, Bateman NW, Larry Maxwell G, Petricoin EF, Conrads TP:

The impact of ultraviolet- and infrared-based laser microdissection technology on phosphoprotein detection in the laser microdissection-reverse phase protein array workflow

Clin Proteomics. 2020 Mar 9;17:9. doi: 10.1186/s12014-020-09272-z. eCollection 2020.

<https://clinicalproteomicsjournal.biomedcentral.com/track/pdf/10.1186/s12014-020-09272-z>

Hunt AL, Randall J, Mansukhani MM, Nyberg K, Nutchareen A, Davis J, Corgiat B, Mueller C, Melvin S, Sharma M, Johnston L, Swain W, Abulez T, Bateman NW, Maxwell G, Deeken J, Benyounes A, Petricoin EF, Cannon TL, Conrads TP:

Integrating Functional Protein Drug Target Data into a Precision Oncology Molecular Tumor Board

medRxiv, 18 Oct 2024

<https://doi.org/10.1101/2024.10.17.24315608>

Hunt AL, Randall J, Mansukhani MM, Nyberg K, Nutchareen A, Davis J, Corgiat B, Mueller C, Melvin S, Sharma M, Johnston L, Swain W, Abulez T, Bateman NW, Maxwell GL, Deeken J, Benyounes A, Petricoin EF, Cannon TL, Conrads TP:

Real-time functional proteomics enhances therapeutic targeting in precision oncology molecular tumor boards

NPJ Precis Oncol. 2025 Apr 15;9(1):111. doi: 10.1038/s41698-025-00868-y.

<https://doi.org/10.1038/s41698-025-00868-y>

Hutson TH, Kathe C, Palmisano I, Bartholdi K, Hervera A, De Virgiliis F, McLachlan E, Zhou L, Kong G, Barraud Q, Danzi MC, Medrano-Fernandez A, Lopez-Atalaya J, Boutillier AL, Sinha SH, Singh AK, Chaturbedy P, Moon LDF, Kundu TK, Bixby JL, Lemmon VP, Barco A, Courtine G, and Di Giovanni S: **Environmental enrichment induces axon regeneration and recovery after peripheral and spinal injuries via activity mediated CBP-dependent histone acetylation: a druggable pathway**

Researchgate, #332345556

https://www.researchgate.net/profile/Lawrence-Moon/publication/332345556_Cbp-dependent-histone-acetylation-mediates-axon-regeneration-induced-by-environmental-enrichment-in-rodent-spinal-cord-injury-models/links/5cbe2279a6fdcc1d49a86753/Cbp-dependent-histone-acetylation-mediates-axon-regeneration-induced-by-environmental-enrichment-in-rodent-spinal-cord-injury-models.pdf

Ibuki E, Shiraishi A, Sofue T, Kushida Y, Kadota K, Honda K, Kang D, Joh K, Minamino T, Haba R: **Characteristic electron-microscopic features of cryofibrinogen-associated glomerulonephritis: a case report.**

BMC Nephrol. 2020 Jan 29;21(1):27. doi: 10.1186/s12882-020-1696-0.

<https://www.biomedcentral.com/1471-2369/21/27>

Ichimata S, Hata Y, Yoshinaga T, Katoh N, Kametani F, Yazaki M, Sekijima Y, Nishida N: **Amyloid-Forming Corpora Amylacea and Spheroid-Type Amyloid Deposition: Comprehensive Analysis Using Immunohistochemistry, Proteomics, and a Literature Review**

Preprints 2024, 2024030340.

<https://doi.org/10.20944/preprints202403.0340.v1>

Inácio A, Domingues P, Piedade A, Mendes B, Fonseca F, Vrana J, Theis J, Fervenza FC, Soto K, Sethi S:

Laser Microdissection and Mass Spectrometry Reveals Diverse Membranous Nephropathy Antigens

Kidney International Reports, 23 June 2025

<https://doi.org/10.1016/j.ekir.2025.06.035>

Inoue Y, Ueda M, Tasaki M, Takeshima A, Nagatoshi A, Masuda T, Misumi Y, Kosaka T, Nomura T, Mizukami M, Matsumoto S, Yamashita T, Takahashi H, Kakita A, Ando Y:

Sushi repeat-containing protein 1: a novel disease-associated molecule in cerebral amyloid angiopathy

Acta Neuropathol. 2017 May 6. doi: 10.1007/s00401-017-1720-z.

<https://dx.doi.org/10.1007/s00401-017-1720-z>

Irizarry BA:

Morphology, Propagation, and Toxicity of Human-Derived Amyloid- β Fibrils

Thesis, 2023

<https://www.proquest.com/openview/c612ce72ce6026a81cf92c5d6f3c8806/1>

Irizarry BA, Davis J, Zhu X, Boon BDC, Rozemuller AJM, Van Nostrand WE, Smith SO:

Human cerebral vascular amyloid contains both anti-parallel and parallel in-register A β 40 fibrils

J Biol Chem. 2021 Sep 29;296:101259. doi: 10.1016/j.jbc.2021.101259.

<https://www.sciencedirect.com/science/article/pii/S0021925821010620>

Ishida M, Yamamoto S, Iwashige Y, Miyazawa S, Nakata H, Koichi S, Yahata K, Minamiguchi S, Endo Y, Mii A, Shimizu A, Yanagita M :

Membranoproliferative glomerulonephritis with striated ultrastructural deposits with significantly elevated fibrinogen and fibronectin on mass spectrometry analysis: A case report and literature review

Nephron. 2025 Feb 13;1-17. doi: 10.1159/000544709.

<https://doi.org/10.1159/000544709>

Ishimitsu A, Tojo A, Hirao J, Yokoyama S, Ohira T, Murayama Y, Ishimitsu T, Kang D, Honda K, Ehara T, Ishida K, Ueda Y :

AL-Kappa Primary Amyloidosis with Apolipoprotein A-IV Deposition

Intern Med. 2022;61(6):871-876. doi: 10.2169/internalmedicine.7955-21. Epub 2022 Mar 15.

https://www.jstage.jst.go.jp/article/internalmedicine/61/6/61_7955-21/_pdf

Ivagnes A:

Valeur prédictive du récepteur NKp30 dans la réponse à l'imatinib mesylate des tumeurs stromales gastrointestinales et identification d'un nouveau mécanisme inhibiteur des cellules Natural Killer par la voie TNF α /TNFR2/BIRC3/TRAF1

Thesis (article mainly in French), Oncoimmunology

<https://tel.archives-ouvertes.fr/tel-01625085/document>

Jaillard C, Mouret A, Niepon ML, Clérin E, Yang Y, Lee-Rivera I, Aït-Ali N, Millet-Puel G, Cronin T, Sedmak T, Raffelsberger W, Kinzel B, Trembleau A, Poch O, Bennett J, Wolfrum U, Lledo PM, Sahel JA, Léveillard T:

Nxn12 splicing results in dual functions in neuronal cell survival and maintenance of cell integrity

Hum Mol Genet. 2012 Feb 15. [Epub ahead of print]

<http://hmg.oxfordjournals.org/content/early/2012/02/15/hmg.dds050.abstract>

Jaiswal YS, Liang Z, Guo P, Ho HM, Chen HB, Zhao Z:

Tissue-specific Metabolite Profiling of *Cyperus rotundus* L. Rhizomes and (+)-Nootkatone Quantitation by Using Laser Micro Dissection, UHPLC-QTOF MS and GC-MS Techniques

J Agric Food Chem. 2014 Jun 17.

<http://pubs.acs.org/doi/abs/10.1021/jf502494z?journalCode=jafcau>

Jaiswal Y, Liang Z, Ho A, Chen H, Williams L, Zhao Z:

Tissue based metabolite profiling and qualitative comparison of two species of *Achyranthes* roots by use of UHPLC-QTOF MS and laser micro dissection

Journal of Pharmaceutical Analysis, 16 June 2017

<http://www.sciencedirect.com/science/article/pii/S2095177917300709>

Jaiswal Y, Liang Z, Ho A, Chen H, Zhao Z:

A Comparative Tissue-specific Metabolite Analysis and Determination of Protodioscin Content in *Asparagus* Species used in Traditional Chinese Medicine and Ayurveda by use of Laser Microdissection, UHPLC-QTOF/MS and LC-MS/MS

Phytochem Anal. 2014 Apr 16. doi: 10.1002/pca.2522.

<http://dx.doi.org/10.1002/pca.2522>

Jensen E:

Laser-Capture Microdissection

The Anatomical Record (Anat. Rec.), 2013, 1932-8494, 10.1002/ar.22791

<http://dx.doi.org/10.1002/ar.22791>

Ji S, Cao L, Gao J, Du Y, Ye Z, Lou X, Liu F, Zhang Y, Xu J, Shi X, Wang H, Li P, Li Y, Chen H, Yang Z, Gao S, Zhang W, Huang D, Ni S, Wei M, Wang F, Wang Y, Ding T, Jing D, Fan G, Gong Z, Lu R, Qin Y, Chen J, Xu X, Wang P, Zhang B, Ding L, Robles AI, Rodriguez H, Chang DK, Hruban RH, Gao D, Gao D, Jin G, Zhou H, Wu J, Yu X :

Proteogenomic characterization of non-functional pancreatic neuroendocrine tumors unravels clinically relevant subgroups

Cancer Cell. 2025 Apr 1:S1535-6108(25)00117-5. doi: 10.1016/j.ccell.2025.03.016.

<https://doi.org/10.1016/j.ccell.2025.03.016>

Jia G, He P, Dai T, Goh D, Wang J, Sun M, Wee F, Li F, Lim JCT, Hao S, Liu Y, Lim TKH, Ngo NT, Tao Q, Wang W, Umar A, Nashan B, Zhang Y, Ding C, Yeong J, Liu L, Sun C:

Spatial immune scoring system predicts hepatocellular carcinoma recurrence

Nature. 2025 Mar 12. doi: 10.1038/s41586-025-08668-x.

<https://doi.org/10.1038/s41586-025-08668-x>

Jiang D, Lin H, Liu Z, Qi K, Zhang W, Wang H, Zhang C, Zhu L, Zhu J, Zhang Y, Huang L, Wang S, Pan Y, Guo L:

Polyacetylenes and sesquiterpenes in Chinese traditional herb *Atractylodes lancea*: biomarkers and synergistic effects in red secretory cavities

Mol Hortic. 2025 Feb 4;5(1):11. doi: 10.1186/s43897-024-00130-2.

<https://doi.org/10.1186/s43897-024-00130-2>

Jiang D, Liu Z-H, Qi K, Wang H, Zhang C, Zhu L, Li X, Zhang Y, Huang L, Wang S, Pan Y, Guo L:

Spatial metabolomics reveals potential biomarkers for red secretory cavities in *Atractylodes lancea* natural accessions

Authorea. July 11, 2022.

<https://www.authorea.com/doi/full/10.22541/au.165752847.75087336>

Jiang R:

Interplay between autophagy and amyloid beta metabolism in Alzheimer's disease

Thesis, 2022

https://openarchive.ki.se/xmlui/bitstream/handle/10616/48045/Thesis_Richeng_Jiang.pdf

Jing SY, Liu D, Feng N, Dong H, Wang HQ, Yan X, Chen XF, Qu MC, Lin P, Yi B, Feng F, Chen L, Wang HY, Li H, He YF:

Spatial multiomics reveals a subpopulation of fibroblasts associated with cancer stemness in human hepatocellular carcinoma

Genome Med. 2024 Aug 13;16(1):98. doi: 10.1186/s13073-024-01367-8.

<https://doi.org/10.1186/s13073-024-01367-8>

Jo JH, Harkins CP, Schwardt NH, Portillo JA; NISC Comparative Sequencing Program, Zimmerman MD, Carter CL, Hossen MA, Peer CJ, Polley EC, Dartois V, Figg WD, Moutsopoulos NM, Segre JA, Kong HH:

Alterations of human skin microbiome and expansion of antimicrobial resistance after systemic antibiotics

Sci Transl Med. 2021 Dec 22;13(625):eabd8077. doi: 10.1126/scitranslmed.abd8077.

<https://www.science.org/doi/pdf/10.1126/scitranslmed.abd8077>

Johnston LE, Randall J, Chouraichi S, Luu M, Hunt AL, Mauro L, Mueller C, Davis JB, Petricoin EF, Conrads TP, Cannon TL, Huynh J:

Proteomics based selection achieves complete response to HER2 therapy in HER2 IHC 0 breast cancer

NPJ Precis Oncol. 2024 Sep 14;8(1):203. doi: 10.1038/s41698-024-00696-6.

<https://doi.org/10.1038/s41698-024-00696-6>

Johnson KR:

Development of High-Sensitivity CE-ESI-MS-Based Methods for Proteomic Profiling of Limited Samples and Single Cells

Thesis, August 2022

<https://www.proquest.com/openview/628674e2ded6ad8d9d599fda69bc4f37/1.pdf>

Johnson S, Yoshioka K, Brace CS, Imai SI:

Quantification of localized NAD⁺ changes reveals unique specificity of NAD⁺ regulation in the hypothalamus

NPJ Aging. 2023 Jan 25;9(1):1. doi: 10.1038/s41514-023-00098-1.

<https://doi.org/10.1038/s41514-023-00098-1>

Kadota A, Iwaide S, Miyazaki S, Mitsui I, Machida N, Murakami T:

Pathology and Proteomics-Based Diagnosis of Localized Light-Chain Amyloidosis in Dogs and Cats

Veterinary Pathology. 17 Jun 2020. doi.org/10.1177/0300985820934113

<https://journals.sagepub.com/doi/abs/10.1177/0300985820934113>

Kaga H, Matsumura H, Saito A, Saito M, Abe F, Suzuki T, Dohmae N, Odaka M, Komatsuda A, Wakui H, Takahashi N:

Comparative proteomic analysis of glomerular proteins in IgA nephropathy and IgA vasculitis with nephritis

Research Square, 28th Oct 2022

<https://doi.org/10.21203/rs.3.rs-2203200/v1>

Kaga H, Matsumura H, Suzuki T, Dohmae N, Odaka M, Komatsuda A, Takahashi N, Wakui H:

Comparative proteomic analysis of glomerular proteins in primary and bucillamine-induced membranous nephropathy

Research Square, 18 Jan 2022, DOI: <https://doi.org/10.21203/rs.3.rs-1262949/v1>

<https://assets.researchsquare.com/files/rs-1262949/v1/d2ed46de-3f0d-4656-ba77-fbbcd4c76367.pdf?c=1642529248>

Kaga H, Matsumura H, Suzuki T, Dohmae N, Odaka M, Komatsuda A, Takahashi N, Wakui H:

Proteomic Analysis of Glomerular Proteins in Primary and Bucillamine-induced Membranous Nephropathy

Research Square, 12 Nov 2021, DOI: 10.21203/rs.3.rs-988234/v1 PPR: PPR419553

<https://europepmc.org/article/ppr/ppr419553>

Kakimoto Y, Ito S, Abiru H, Kotani H, Ozeki M, Tamaki K, Tsuruyama T:

Sorbin and SH3 domain-containing protein 2 is released from infarcted heart in the very early phase: proteomic analysis of cardiac tissues from patients.

J Am Heart Assoc. 2013 Dec 16;2(6):e000565. doi: 10.1161/JAHA.113.000565.

<http://jaha.ahajournals.org/cgi/pmidlookup?view=long&pmid=24342996>

Kakimoto Y, Ueda A, Kimura Y, Akiyama T, Tanaka M, Ikeda H, Isozaki S, Maeda K, Osawa M:

Layer-specific proteomic profiling of human normal heart

Pathology - Research and Practice, 2024, 155453, ISSN 0344-0338

<https://doi.org/10.1016/j.prp.2024.155453>

Kaku M, Thant L, Dobashi A, Ono Y, Kitami M, Mizukoshi M, Arai M, Iwama H, Kitami K, Kakiyama Y, Matsumoto M, Saito I, Uoshima K:

Multomics analysis of cultured mouse periodontal ligament cell-derived extracellular matrix

Sci Rep. 2024 Jan 3;14(1):354. doi: 10.1038/s41598-023-51054-8.

<https://www.nature.com/articles/s41598-023-51054-8>

Kanagal-Shamanna R, Xu-Monette ZY, Miranda RN, Dogan A, Zou D, Luthra R, Weber D, O'Malley DP, Jorgensen JL, Khoury JD, Bueso-Ramos CE, Orlowski RZ, Medeiros JL, Young KH:

Crystal-Storing Histiocytosis: A Clinicopathologic Study of 13 Cases

Histopathology. 2015 Jun 28. doi: 10.1111/his.12768.

<http://dx.doi.org/10.1111/his.12768>

Kasahara K, Sugahara K, Yamauchi T, Bessho H, Ogawa C, Matsuzaka K, and Katakura A:
Therapeutic Effects of Green Tea Catechin Ointment on Oral Leukoplakia and Its Penetration into the Oral Mucosa

Int J Oral-Med Sci 20 (1) :57–67, 2021

https://www.jstage.jst.go.jp/article/ijoms/20/1/20_57/_pdf

Kasarla SS, Fecke A, Smith KW, Flocke V, Flögel U, Phapale P:

Improved MALDI-MS Imaging of Polar and 2H-Labeled Metabolites in Mouse Organ Tissues

chemRxiv, May 2025

<https://doi.org/10.26434/chemrxiv-2025-jhkv6>

Kato Y, Nishimura T, Matsubayashi J, Furukawa K, Nomura M, Fujii K, Nakamura H, Kato H:

An importance of clinical proteomics for personalized medicine of lung cancer subtypes

Integr Cancer Sci Therap. 3: DOI: 10.15761/ICST.1000177.

<http://oatext.com/An-importance-of-clinical-proteomics-for-personalized-medicine-of-lung-cancer-subtypes.php#Article>

Kawamura T, Nomura M, Tojo H, Fujii K, Hamasaki H, Mikami S, Bando Y, Kato H, Nishimura T:

Proteomic analysis of laser-microdissected paraffin-embedded tissues: (1) Stage-related protein candidates upon non-metastatic lung adenocarcinoma

J Proteomics 73(6): 1089-99 (2010)

<http://dx.doi.org/10.1016/j.jprot.2009.11.011>

Kawata N, Kang D, Aiuchi T, Obama T, Yoshitake O, Shibata T, Takimoto M, Itabe H, Honda K:

Proteomics of human glomerulonephritis by laser microdissection and liquid chromatography-tandem mass spectrometry

Nephrology (Carlton). 2019 Nov 9. doi: 10.1111/nep.13676.

<https://onlinelibrary.wiley.com/doi/pdf/10.1111/nep.13676>

Kaya F, Zimmerman MD, Antilus-Sainte R, Gengenbacher M, Carter CL, Dartois V:

Spatial quantitation of antibiotics in bone tissue compartments by laser-capture microdissection coupled with UHPLC-tandem mass spectrometry

Anal Bioanal Chem. 2022 Aug 10. doi: 10.1007/s00216-022-04257-3.

<https://link.springer.com/article/10.1007/s00216-022-04257-3>

Ke M, Li X, Wang L, Yue S, Zhao B:

A stepwise data interpretation process for renal amyloidosis typing by LMD-MS

BMC Nephrol. 2022 Apr 13;23(1):144. doi: 10.1186/s12882-022-02785-9.

<https://link.springer.com/article/10.1186/s12882-022-02785-9>

Ke M, Li X, Wang L, Yue S, Zhao B:

A Stepwise Data Interpretation Process For Renal Amyloidosis Subtyping by LMD-MS

Research Square, 13 Oct 2021, in review for BMC Nephrology

<https://doi.org/10.21203/rs.3.rs-917392/v1>

Kelly, M.G., Alvero, A.B., Chen, R., Silasi, D.A., Abrahams, V.M., Chan, S., Visintin, I., Rutherford, T., and Mor, G.:

TLR-4 signaling promotes tumor growth and paclitaxel chemoresistance in ovarian cancer

Cancer Res 66(7): 3859-3868 (2006)

<http://cancerres.aacrjournals.org/content/66/7/3859.long>

Kim SK, Jung WH, Koo JS:

Differential expression of enzymes associated with serine/glycine metabolism in different breast cancer subtypes

PLoS One. 2014 Jun 30;9(6):e101004. doi: 10.1371/journal.pone.0101004. eCollection 2014.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0101004>

Kirana C, Peng L, Miller R, Keating JP, Glenn C, Shi H, Jordan TW, Maddern GJ, Stubbs RS:
Combination of laser microdissection, 2D-DIGE and MALDI-TOF MS to identify protein biomarkers to predict colorectal cancer spread

Clin Proteomics. 2019 Jan 22;16:3. doi: 10.1186/s12014-019-9223-7. eCollection 2019.
<https://clinicalproteomicsjournal.biomedcentral.com/articles/10.1186/s12014-019-9223-7>

Kirana C, Shi H, Laing E, Hood K, Miller R, Bethwaite P, Keating J, Jordan TW, Hayes M, and Stubbs R:
Cathepsin D Expression in Colorectal Cancer: From Proteomic Discovery through Validation Using Western Blotting, Immunohistochemistry, and Tissue Microarrays

International Journal of Proteomics, Volume 2012 (2012), Article ID 245819, 10 pages,
doi:10.1155/2012/245819
<http://www.hindawi.com/journals/ijpro/2012/245819/cta/>

Kitaoka H, Izumi C, Izumiya Y, Inomata T, Ueda M, Kubo T, Koyama J, Sano M, Sekijima Y, Tahara N, Tsukada N, Tsujita K, Tsutsui H, Tomita T, Amano M, Endo J, Okada A, Oda S, Takashio S, Baba Y, Misumi Y, Yazaki M, Anzai T, Ando Y, Isobe M, Kimura T, Fukuda K; Japanese Circulation Society Joint Working Group :

JCS 2020 Guideline on Diagnosis and Treatment of Cardiac Amyloidosis

Circ J. 2020 Aug 25;84(9):1610-1671. doi: 10.1253/circj.CJ-20-0110.
<https://www.jstage.jst.go.jp/article/circj/advpub/0/advpub/CJ-20-0110/pdf>

Kennard JT, Guévremont D, Mason-Parker SE, Abraham WC, Williams JM:
Redistribution of Ionotropic Glutamate Receptors Detected by Laser Microdissection of the Rat Dentate Gyrus 48 h following LTP Induction *In Vivo*

PLoS One. 2014 Mar 25;9(3):e92972. doi: 10.1371/journal.pone.0092972. eCollection 2014.
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0092972#pone-0092972-g005>

Kertesz V, Cahill JF:

Spatially resolved absolute quantitation in thin tissue by mass spectrometry

Anal Bioanal Chem. 2020 Nov 2. doi: 10.1007/s00216-020-02964-3.
<https://link.springer.com/article/10.1007/s00216-020-02964-3>

Kley RA, Maerkens A, Leber Y, Theiss V, Schreiner A, van der Ven PF, Uszkoreit J, Stephan C, Eulitz S, Euler N, Kirschner J, Mueller K, Meyer HE, Tegenthoff M, Fuerst DO, Vorgerd M, Mueller T, Marcus K:

A combined laser microdissection and mass spectrometry approach reveals new disease relevant proteins accumulating in aggregates of filaminopathy patients

Mol Cell Proteomics. 2012 Oct 31.
<http://www.mcponline.org/content/early/2012/10/31/mcp.M112.023176.abstract>

Kley RA, Maerkens A, Olive M, Claeys KG, Hanisch F, van der Ven PFM, Fuerst DO, Mueller T, Marcus K, and Vorgerd M :

Differential proteomic analysis of protein aggregates in desminopathy

Neuromuscular Disorders, Volume 22, Issue 9 , Page 874, October 2012
<http://www.nmd-journal.com/article/S0960-8966%2812%2900418-X/abstract>

Klingeberg M, Krisp C, Fritzsche S, Schallenberg S, Hornburg D, and Coscia F:

An ultrasensitive spatial tissue proteomics workflow exceeding 100 proteomes per day

bioRxiv, 05 June 2025
<https://doi.org/10.1101/2025.06.02.657389>

Koganemaru S, Kawai T, Fuchigami H, Maeda N, Koyama K, Kuboki Y, Mukohara T, Doi T, Yasunaga M:
Quantitative analysis of drug distribution in heterogeneous tissues using dual-stacking capillary electrophoresis-mass spectrometry

Br J Pharmacol. 2022 Nov 15. doi: 10.1111/bph.15988.

<https://doi.org/10.1111/bph.15988>

Kondo, T., Seike, M., Mori, Y., Fujii, K., Yamada, T., and Hirohashi, S.:

Application of sensitive fluorescent dyes in linkage of laser microdissection and two-dimensional gel electrophoresis as a cancer proteomic study tool

Proteomics 3(9): 1758-1766 (2003)

<http://onlinelibrary.wiley.com/doi/10.1002/pmic.200300531/abstract>

Kong L, Li Y, Deng Z, Chen X, Xia Y, Shen B, Ning R, Zhang L, Yin Z:

Tibial cortex transverse transport regulates Orai1/STIM1-mediated NO release and improve the migration and proliferation of vessels via increasing osteopontin expression

J of Orthopaedic Translation, Volume 45, March 2024, Pages 107-119

<https://doi.org/10.1016/j.jot.2024.02.007>

Koob AO, Bruns L, Prassler C, Masliah E, Klopstock T, Bender A:

Protein analysis through Western blot of cells excised individually from human brain and muscle tissue

Anal Biochem. 2012 Mar 5. [Epub ahead of print]

<http://www.sciencedirect.com/science/article/pii/S0003269712001431>

Korekane, H., Shida, K., Murata, K., Ohue, M., Sasaki, Y., Imaoka, S., and Miyamoto, Y.:

Evaluation of laser microdissection as a tool in cancer glycomic studies

Biochem Biophys Res Commun 352(3): 579-586 (2007)

<http://dx.doi.org/10.1016/j.bbrc.2006.10.191>

Krause K, Eggers B, Uszkoreit J, Eulitz S, Rehmann R, Güttches AK, Schreiner A, van der Ven PFM, Fürst DO, Marcus K, Vorgerd M, Kley RA:

Target formation in muscle fibres indicates reinnervation - a proteomic study in muscle samples from peripheral neuropathies

Neuropathol Appl Neurobiol. 2022 Sep 30:e12853. doi: 10.1111/nan.12853.

<https://doi.org/10.1111/nan.12853>

Kretschmer T, Turnwald EM, Janoschek R, Zentis P, Bae-Gartz I, van Beers T, Handwerk M, Wohlfarth M, Ghilav M, Bloch W, Hucklenbruch-Rother E, Dötsch J, Appel S:

Maternal high fat diet-induced obesity affects trophoblast differentiation and placental function in mice

Biol Reprod. 2020 Sep 11:ioaa166. doi: 10.1093/biolre/ioaa166.

<https://academic.oup.com/biolreprod/advance-article-abstract/doi/10.1093/biolre/ioaa166/5904061>

Lam, KHB:

Development of an Anatomical Proteomic Atlas of Glioblastoma

Thesis, 2022

https://tspace.library.utoronto.ca/bitstream/1807/123325/1/Lam_Ka_Hang_Brian_202211_PhD_thesis.pdf

Lam KHB, Leon AJ, Hui W, Lee SC, Batruch I, Faust K, Klekner A, Hutóczki G, Koritzinsky M, Richer M, Djuric U, Diamandis P:

Topographic mapping of the glioblastoma proteome reveals a triple-axis model of intra-tumoral heterogeneity

Nat Commun. 2022 Jan 10;13(1):116. doi: 10.1038/s41467-021-27667-w.

<https://www.nature.com/articles/s41467-021-27667-w>

Larsen CP, Sharma SG, Caza TN, Kenan DJ, Storey AJ, Edmondson RD, Herzog C, Arthur JM:

Serum amyloid P deposition is a sensitive and specific feature of membranous-like glomerulopathy with masked IgG kappa deposits

Kidney International, 17 Oct 2019, KINT 1855, S0085-2538(19)31119-6
[https://www.kidney-international.org/article/S0085-2538\(19\)31119-6/pdf](https://www.kidney-international.org/article/S0085-2538(19)31119-6/pdf)

Le Large TY, Mantini G, Meijer LL, Pham TV, Funel N, van Grieken NC, Kok B, Knol JC, van Laarhoven HWM, Piersma SR, Jimenez CR, Kazemier G, Giovannetti E, Bijlsma MF :
Microdissected pancreatic cancer proteomes reveal tumor heterogeneity and therapeutic targets
JCI Insight. 2020 Jul 7:138290. doi: 10.1172/jci.insight.138290.
<https://doi.org/10.1172/jci.insight.138290>

Ledesma FL, Castelli JB:
Autopsy findings in a patient with primary systemic AL (kappa light chain) amyloidosis.
Autops Case Rep [Internet]. 2021;11:e2021273. <https://doi.org/10.4322/acr.2021.273>
<https://www.autopsyandcasereports.org/article/10.4322/acr.2021.273/pdf/autopsy-11-e2021273.pdf>

Lee A, Prideaux B, Lee MH, Zimmerman M, Dolgov E, Perlin DS, Zhao Y
Tissue distribution and penetration of isavuconazole at the site of infection in Experimental Invasive Aspergillosis in Mice with underlying Chronic Granulomatous Disease
Antimicrob Agents Chemother. 2019 Apr 15. pii: AAC.00524-19. doi: 10.1128/AAC.00524-19.
<https://aac.asm.org/content/early/2019/04/09/AAC.00524-19.abstract>

Lee A, Wang N, Carter CL, Zimmerman M, Dartois V, Shaw KJ, Perlin DS, Zhao Y:
Therapeutic potential of Fosmanogepix (APX001) for intra-abdominal candidiasis: from lesion penetration to efficacy in a mouse model
Antimicrob Agents Chemother. 2021 Jan 19:AAC.02476-20. doi: 10.1128/AAC.02476-20.
<https://aac.asm.org/content/early/2021/01/14/AAC.02476-20.abstract>

Lee S, Zhao L, Rojas C, Bateman NW, Yao H, Lara OD, Celestino J, Morgan MB, Nguyen TV, Conrads KA, Rangel KM, Dood RL, Hajek RA, Fawcett GL, Chu RA, Wilson K, Loffredo JL, Viollet C, Jazaeri AA, Dalgard CL, Mao X, Song X, Zhou M, Hood BL, Banskota N, Wilkerson MD, Te J, Soltis AR, Roman K, Dunn A, Cordover D, Eterovic AK, Liu J, Burks JK, Baggerly KA, Fleming ND, Lu KH, Westin SN, Coleman RL, Mills GB, Casablanca Y, Zhang J, Conrads TP, Maxwell GL, Futreal PA, Sood AK
Molecular Analysis of Clinically Defined Subsets of High-Grade Serous Ovarian Cancer
Cell Rep. 2020 Apr 14;31(2):107502. doi: 10.1016/j.celrep.2020.03.066.
<https://www.sciencedirect.com/science/article/pii/S2211124720303922>

Leitner DF, Kanshin E, Askenazi M, Faustin A, Friedman D, Devore S, Ueberheide B, Wisniewski T, Devinsky O:
Raphe and ventrolateral medulla proteomics in epilepsy and sudden unexpected death in epilepsy
Brain Communications, fcac186
<https://doi.org/10.1093/braincomms/fcac186>

Leitner DF, Kanshin E, Faustin A, Thierry M, Friedman D, Devore S, Ueberheide B, Devinsky O , Wisniewski T:
Localized Proteomic Differences in Choroid Plexus of Alzheimer's Disease and Epilepsy Patients
Front. Neurol., Sec. Dementia and Neurodegenerative Diseases, Volume 14 - 2023 | doi:
10.3389/fneur.2023.1221775
<https://www.frontiersin.org/articles/10.3389/fneur.2023.1221775>

Leitner DF, Kavanagh T, Kanshin E, Balcomb K, Pires G, Thierry M, Suazo JI, Schneider J, Ueberheide B, Drummond E, Wisniewski T:
Differences in the cerebral amyloid angiopathy proteome in Alzheimer's disease and mild cognitive impairment
Acta Neuropathol. 2024 Jul 22;148(1):9. doi: 10.1007/s00401-024-02767-1.
<https://doi.org/10.1007/s00401-024-02767-1>

Leitner DF, William C, Faustin A, Askenazi M, Kanshin E, Snuderl M, McGuone D, Wisniewski T, Ueberheide B, Gould L, Devinsky O:
Proteomic differences in hippocampus and cortex of sudden unexplained death in childhood
Acta Neuropathol. 2022 Mar 25. doi: 10.1007/s00401-022-02414-7.
<https://link.springer.com/article/10.1007/s00401-022-02414-7>

Leung N, Nasr SH, Sethi S:
How I diagnose amyloidosis.
Blood. 2012 Sep 4.
<http://bloodjournal.hematologylibrary.org/content/early/2012/09/04/blood-2012-03-413682.abstract>

Li, C., Hong, Y., Tan, Y.X., Zhou, H., Ai, J.H., Li, S.J., Zhang, L., Xia, Q.C., Wu, J.R., Wang, H.Y., and Zeng, R.:
Accurate qualitative and quantitative proteomic analysis of clinical hepatocellular carcinoma using laser capture microdissection coupled with isotope-coded affinity tag and two-dimensional liquid chromatography mass spectrometry
Mol Cell Proteomics 3(4): 399-409 (2004)
<http://www.mcponline.org/content/3/4/399.long>

Li CH, Liu Y, Hua J, Luo SH, Li SH:
Peltate glandular trichomes of Colquhounia seguinii Vaniot harbor new defensive clerodane diterpenoids
J Integr Plant Biol. 2014 Jul 22. doi: 10.1111/jipb.12242.
<http://www.jipb.net/pubsoft/content/2/10.1111/jipb.12242.pdf>

Li G, Li M, Liang X, Xiao, Z, Zhang P, Shao M, Peng F, Chen Y, Li Y, Chen Z:
Identifying DCN and HSPD1 as Potential Biomarkers in Colon Cancer Using 2D-LC-MS/MS Combined with iTRAQ Technology
Journal of Cancer, 2017; 8(3): 479-489. doi: 10.7150/jca.17192
<http://jccancer.org/v08p0479.pdf>

Li M, Li C, Li D, Xie Y, Shi J, Li G, Guan Y, Li M, Zhang P, Peng F, Xiao Z, Chen Z:
Periostin, a stroma-associated protein, correlates with tumor invasiveness and progression in nasopharyngeal carcinoma
Clin Exp Metastasis. 2012 Jun 17. [Epub ahead of print]
<http://dx.doi.org/10.1007/s10585-012-9465-5>

Li MX, Xiao ZQ, Chen YH, Peng F, Li C, Zhang PF, Li MY, Li F, Duan CJ, Li DJ, Yao HX, Chen ZC:
Proteomic analysis of the stroma-related proteins in nasopharyngeal carcinoma and normal nasopharyngeal epithelial tissues
Med Oncol. 2010 Mar;27(1):134-44.
<http://www.springerlink.com/content/m42pkx852hqq06n0/>

Li X, Yu X, Bi J, Jiang X, Zhang L, Li Z, Shao M:
Integrating single-cell and spatial transcriptomes reveals COL4A1/2 facilitates the spatial organisation of stromal cells differentiation in breast phyllodes tumours
Clin. Transl. Med. 2024;14:e1611
<https://doi.org/10.1002/ctm2.1611>

Li Y, Dai J, Kametani F, Yazaki M, Ishigami A, Mori M, Miyahara H, Higuchi K:
Renal function in aged C57BL/6J mice is impaired by deposition of age-related apolipoprotein A-II amyloid independent of kidney aging
Am J Pathol. 2023 Mar 23:S0002-9440(23)00112-8. doi: 10.1016/j.ajpath.2023.03.002.
<https://doi.org/10.1016/j.ajpath.2023.03.002>

Li Y, Wang P, Ye D, Bai X, Zeng X, Zhao Q, Zhang Z:

IGHG1 induces EMT in gastric cancer cells by regulating TGF- β /SMAD3 signaling pathway

Journal of Cancer 2021, Vol. 12; 12(12): 3458-3467. doi: 10.7150/jca.56056

<https://www.jcancer.org/v12p3458.pdf>

Li Y, Zhang Y, Zhou X, Xue X, Wang M, Kang D, Zhou Y, Hu R, Quan S, Xing G, Yang J:

Precise diagnosis and typing of early-stage renal immunoglobulin-derived amyloidosis by label-free quantification of parallel reaction monitoring-based targeted proteomics

BMC Nephrol. 2023 Mar 10;24(1):50. doi: 10.1186/s12882-023-03105-5.

<https://doi.org/10.1186/s12882-023-03105-5>

Liang L, Xu J, Liang ZT, Dong XP, Chen HB, Zhao ZZ:

Tissue-Specific Analysis of Secondary Metabolites Creates a Reliable Morphological Criterion for Quality Grading of Polygoni Multiflora Radix

Molecules. 2018 May 8;23(5). pii: E1115. doi: 10.3390/molecules23051115.

<https://europepmc.org/abstract/med/29738485>

Liang Z, Sham T, Yang G, Yi L, Chen H, Zhao Z:

Profiling of secondary metabolites in tissues from Rheum palmatum L. using laser microdissection and liquid chromatography mass spectrometry

Anal Bioanal Chem. 2013 May;405(12):4199-212. doi: 10.1007/s00216-013-6819-z.

<http://dx.doi.org/10.1007/s00216-013-6819-z>

Liang Z, Zhang J, Yang G, Chen H, Zhao Z:

Chemical profiling and histochemical analysis of Bupleurum marginatum roots from different growing areas of Hubei province

Acta Pharmaceutica Sinica B, 21 May 2013, ISSN 2211-3835, 10.1016/j.apsb.2013.04.002.

<http://www.sciencedirect.com/science/article/pii/S2211383513000348>

Liba A and Wanagat J:

Single Cell Multiplex Protein Measurements through Rare Earth Element Immunolabeling, Laser Capture Microdissection and Inductively Coupled Mass Spectrometry

J Cytol Histol 2014, 5:6

<http://dx.doi.org/10.4172/2157-7099.1000290>

Liebe CH:

Klinische, histopathologische und genetische Charakterisierung der Myofibrillären Myopathien

PhD thesis (German language)

<http://darwin.bth.rwth-aachen.de/opus3/volltexte/2015/5290/pdf/5290.pdf>

Liewluck T, Winder TL, Dimberg EL, Crum BA, Heppelmann CJ, Wang Y, Bergen HR 3rd, Milone M:

ANO5-muscular dystrophy: clinical, pathological and molecular findings

Eur J Neurol. 2013 May 12. doi: 10.1111/ene.12191.

<http://onlinelibrary.wiley.com/doi/10.1111/ene.12191/abstract>

Liu JY, Reeves C, Diehl B, Coppola A, Al-Hajri A, Hoskote C, Al Mughairy S, Tachrount M, Groves M, Michalak Z, Mills K, McEvoy AW, Miserocchi A, Sisodiya SM, Thom M:

Early lipofuscin accumulation in Frontal Lobe Epilepsy

Ann Neurol. 2016 Oct 20. doi: 10.1002/ana.24803

<http://onlinelibrary.wiley.com/doi/10.1002/ana.24803/epdf>

Liu L, Hao M, Zhang J, Chen Z, Zhou J, Wang C, Zhang H, Wang J:

FSHR-mTOR-HIF1 signaling alleviates mouse follicles from AMPK-induced atresia

Cell Rep. 2023 Sep 19;42(10):113158. doi: 10.1016/j.celrep.2023.113158.

<https://doi.org/10.1016/j.celrep.2023.113158>

Liu PF, Cao YW, Jiang HP, Wang YH, Yang XC, Wang XS, Niu HT:

Heterogeneity research in muscle-invasive bladder cancer based on differential protein expression analysis

Med Oncol. 2014 Sep;31(9):21. doi: 10.1007/s12032-014-0021-9.

<http://link.springer.com/article/10.1007/s12032-014-0021-9>

Liu R, Wang Y, Conglian L, Zheng Z, Du X, Cui Z, Zhang Y, Liu H:

Morphology and Mass spectrometry-based Chemical Profiling of Peltate glandular trichomes on *Mentha haplocalyx* Briq leaves

Food Research International, 10 December 2022, 112323

<https://doi.org/10.1016/j.foodres.2022.112323>

Liu Y, Luo SH, Schmidt A, Wang GD, Sun GL, Grant M, Kuang C, Yang MJ, Jing SX, Li CH, Schneider B, Gershenzon J, Li SH:

A Geranyl-farnesyl Diphosphate Synthase Provides the Precursor for Sesterterpenoid (C25) Formation in the Glandular Trichomes of the Mint Species *Leucosceptrum canum*

Plant Cell. 2016 Mar;28(3):804-22. doi: 10.1105/tpc.15.00715.

<http://www.plantcell.org/cgi/pmidlookup?view=long&pmid=26941091>

Liu YF, Chen YH, Li MY, Zhang PF, Peng F, Li GQ, Xiao ZQ, Chen ZC:

Quantitative proteomic analysis identifying three annexins as lymph node metastasis-related proteins in lung adenocarcinoma

Med Oncol. 2010 Dec 4. [Epub ahead of print]

<http://www.springerlink.com/content/1h53134871563152/>

Liu Z, Li J, Gao C, Miao Y, Cui K:

The cellulose–lignin balance mediated by auxin signal transduction affects the twisted growth of Yunnan pine trunk

Scientia Horticulturae 317 (2023) 112085

<https://doi.org/10.1016/j.scienta.2023.112085>

Longuespée R, Alberts D, Baiwir D, Mazzucchelli G, Smargiasso N, De Pauw E:

MALDI Imaging Combined with Laser Microdissection-Based Microproteomics for Protein Identification: Application to Intratumor Heterogeneity Studies

Methods Mol Biol. 2017 Dec 10. doi: 10.1007/7651_2017_114.

https://link.springer.com/protocol/10.1007/7651_2017_114

Longuespée R, Alberts D, Pottier C, Smargiasso N, Mazzucchelli G, Baiwir D, Kriegsmann M, Herfs M, Kriegsmann J, Delvenne P, De Pauw E:

A laser microdissection-based workflow for FFPE tissue microproteomics: important considerations for small sample processing

Methods, 12 December 2015, ISSN 1046-2023, <http://dx.doi.org/10.1016/j.ymeth.2015.12.008>

<http://www.sciencedirect.com/science/article/pii/S1046202315301778>

Longuespée R, Baiwir D, Mazzucchelli G, Smargiasso N, De Pauw E:

Laser Microdissection-Based Microproteomics of Formalin-Fixed and Paraffin-Embedded (FFPE) Tissues

Methods Mol Biol. 2018;1723:19-31. doi: 10.1007/978-1-4939-7558-7_2.

https://link.springer.com/protocol/10.1007/978-1-4939-7558-7_2

Longuespée R, Casadonte R, Kriegsmann M, Pottier C, de Muller GP, Delvenne P, Kriegsmann J, De Pauw E:

MALDI mass spectrometry imaging: A cutting-edge tool for fundamental and clinical histopathology

Proteomics Clin Appl. 2016 May 17. doi: 10.1002/prca.201500140.

<http://dx.doi.org/10.1002/prca.201500140>

Longuespée R, Casadonte R, Kriegsmann M, Wandernoth P, Lisenko K, Mazzucchelli G, Becker M, Kriegsmann J:

Proteomic investigation of human cystic echinococcosis in the liver

Mol Biochem Parasitol. 2016 Dec 13;211:9-14. doi: 10.1016/j.molbiopara.2016.12.002.

[https://linkinghub.elsevier.com/retrieve/pii/S0166-6851\(16\)30165-7](https://linkinghub.elsevier.com/retrieve/pii/S0166-6851(16)30165-7)

Longuespée R, Casadonte R, Schwamborn K, Reuss D, Kazdal D, Kriegsmann K, von Deimling A, Weichert W, Schirmacher P, Kriegsmann J, Kriegsmann M:

Proteomics in pathology

Proteomics, 2017 Dec 13, 10.1002/pmic.201700361

<http://onlinelibrary.wiley.com/doi/10.1002/pmic.201700361/full>

Lopez-Varela E, Abulfathi AA, Strydom N, Goussard P, van Wyk AC, Demers AM, Deventer AV, Garcia-Prats AJ, van der Merwe J, Zimmerman M, Carter CL, Janson J, Morrison J, Reuter H, Decloedt EH, Seddon JA, Svensson EM, Warren R, Savic RM, Dartois V, Hesselning AC:

Drug concentration at the site of disease in children with pulmonary tuberculosis

J Antimicrob Chemother. 2022 Apr 25;dkac103. doi: 10.1093/jac/dkac103.

<https://academic.oup.com/jac/advance-article/doi/10.1093/jac/dkac103/6573919>

Lorenz M, Ovchinnikova OS, Kertesz V, Van Berkel GJ:

Laser microdissection and atmospheric pressure chemical ionization mass spectrometry coupled for multimodal imaging

Rapid Commun. Mass Spectrom., 2013, Vol. 27, issue 13, pp. 1097-0231, doi 10.1002/rcm.6593

<http://onlinelibrary.wiley.com/doi/10.1002/rcm.6593/abstract>

Lou X, Shi Y, Zhao F, Xu X, Wang Y, Qin Y, Zhang W, Ye Z, Wang F, Ding T, Jing D, Fan G, Zhang Y, Chen X, Chen J, Yu X, Xu J, Ji S:

Pancreatic Neuroendocrine Tumors Secrete Apolipoprotein E to Induce Tip Endothelial Cells That Remodel the Tumor-Stroma Ratio and Promote Cancer Progression

Cancer Res. 2025 Jul 7:OF1-OF15. doi: 10.1158/0008-5472.CAN-24-2528.

<https://doi.org/10.1158/0008-5472.can-24-2528>

Loziuk P, Meier F, Johnson C, Ghashghaei HT, Muddiman DC:

TransOmic analysis of forebrain sections in Sp2 conditional knockout embryonic mice using IR-MALDESI imaging of lipids and LC-MS/MS label-free proteomics

Anal Bioanal Chem. 2016 Mar 4.

<http://dx.doi.org/10.1007/s00216-016-9421-3>

Lu C, Luo Z-F, Tang D, Zheng F, Li S, Liu S, Qiu J, Liu F, Dai Y, Sui W-G, Yan Q:

Proteomic analysis of glomeruli, tubules and renal interstitium in idiopathic membranous nephropathy (IMN): A statistically observational study

Medicine 2023;102:50(e36476).

<http://dx.doi.org/10.1097/MD.00000000000036476>

Ludwig ML, Moline D, Horrmann A, Boytim E, Larson G, Arafa AT, Sayeda M, Lozada JR, Bergom HE, Day A, Dasaraju S, Dehm SM, Murugan P, Hwang J, Drake JM, Antonarakis ES:

Integrated multi-omics assessment of lineage plasticity in a prostate cancer patient with brain and dural metastases

NPJ Precis Oncol. 2024 Sep 30;8(1):215. doi: 10.1038/s41698-024-00713-8.

<https://doi.org/10.1038/s41698-024-00713-8>

Lukowski JK, Cho BK, Calderon AZ, Dianati B, Stumpo K, Snyder S, Goo YA:

Advances in Spatial Multi-Omics: A Review of Multi-Modal Mass Spectrometry Imaging and Laser Capture Microdissection-LCMS Integration

Proteomics. 2025 May 12:e202400378. doi: 10.1002/pmic.202400378.

<https://doi.org/10.1002/pmic.202400378>

Maeda S1, Morikawa T, Takadate T, Suzuki T, Minowa T, Hanagata N, Onogawa T, Motoi F, Nishimura T, Unno M:

Mass spectrometry-based proteomic analysis of formalin-fixed paraffin-embedded extrahepatic cholangiocarcinoma

J Hepatobiliary Pancreat Sci. 2015 Apr 27. doi: 10.1002/jhbp.262.

<http://dx.doi.org/10.1002/jhbp.262>

Maerkens A, Kley RA, Schreiner A, Theis V, Mueller T, Vorgerd M, Marcus K:

Differential proteomic analysis of protein aggregates in desminopathy

Neuromuscular Disorders, Volume 22, Issue 9, Page 821, October 2012

<http://www.nmd-journal.com/article/S0960-8966%2812%2900249-0/abstract>

Maerkens A, Olivé M, Schreiner A, Feldkirchner S, Schessl J, Uszkoreit J, Barkovits K, Güttches AK, Theis V, Eisenacher M, Tegenthoff M, Goldfarb LG, Schröder R, Schoser B, van der Ven PF, Fürst DO, Vorgerd M, Marcus K, Kley RA:

New insights into the protein aggregation pathology in myotilinopathy by combined proteomic and immunolocalization analyses

Acta Neuropathol Commun. 2016 Feb 3;4(1):8. doi: 10.1186/s40478-016-0280-0.

<http://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-016-0280-0>

Maity S, Huang Y, Kilgore MD, Thurmon AN, Vaasjo LO, Galazo MJ, Xu X, Cao J, Wang X, Ning B, Liu N, Fan J:

Mapping dynamic molecular changes in hippocampal subregions after traumatic brain injury through spatial proteomics

Clin Proteomics. 2024 May 12;21(1):32. doi: 10.1186/s12014-024-09485-6.

<https://doi.org/10.1186/s12014-024-09485-6>

Makhmut A, Dragomir MP, Fritzsche S, Moebs M, Schmitt WD, Taube ET, and Coscia F:

Deep spatial proteomics of ovarian cancer precursor lesions delineates early disease changes and cell-of-origin signatures

bioRxiv, 19 Mar 2025

<https://doi.org/10.1101/2025.03.19.643504>

Makhmut A, Qin D, Hartlmayr D, Seth A, and Coscia F:

An automated and fast sample preparation workflow for laser microdissection guided ultrasensitive proteomics

bioRxiv, Dec 1st 2023

<https://doi.org/10.1101/2023.11.29.569257>

Makhmut A, Qin D, Hartlmayr D, Seth A, and Coscia F:

An Automated and Fast Sample Preparation Workflow for Laser Microdissection Guided Ultrasensitive Proteomics

Mol Cell Proteomics 23(5), 100750, 2024

<https://doi.org/10.1101/2023.11.29.569257>

Malik S, Valdebenito S, D'Amico D, Prideaux B, Eugenin EA:

HIV infection of astrocytes compromises inter-organelle interactions and inositol phosphate metabolism: a potential mechanism of bystander damage and viral reservoir survival

Prog Neurobiol. 2021 Aug 26;102157. doi: 10.1016/j.pneurobio.2021.102157.

<https://www.sciencedirect.com/science/article/pii/S0301008221001714>

Man JHK, Breur M, van Gelder CAGH, Marcon G, Maderna E, Giaccone G, Altelaar M, van der Knaap MS and Bugiani M:

Region-specific and age-related differences in astrocytes in the human brain

Neurobiology of Aging, (2024) doi:<https://doi.org/10.1016/j.neurobiolaging.2024.02.016>

<https://doi.org/10.1016/j.neurobiolaging.2024.02.016>

Man JHK, van Gelder CAGH, Breur M, Molenaar D, Abbink T, Altelaar M, Bugiani M, van der Knaap MS:

Regional vulnerability of brain white matter in vanishing white matter

Acta Neuropathol Commun. 2023 Jun 22;11(1):103. doi: 10.1186/s40478-023-01599-6.

<https://doi.org/10.1186/s40478-023-01599-6>

Man JHK, Zarekiani P, Mosen P, de Kok M, Debets DO, Breur M, Altelaar M, van der Knaap MS, Bugiani M:

Proteomic dissection of vanishing white matter pathogenesis

Cell Mol Life Sci. 2024 May 24;81(1):234. doi: 10.1007/s00018-024-05258-4.

<https://doi.org/10.1007/s00018-024-05258-4>

Manabe S, Iwasaki C, Hatano M, Kametani F, Yazaki M, Nitta K, Nagata M:

AL amyloidosis with non-amyloid forming monoclonal immunoglobulin deposition; a case mimicking AHL amyloidosis

BMC Nephrol. 2018 Nov 22;19(1):337. doi: 10.1186/s12882-018-1050-y.

<https://bmcnephrol.biomedcentral.com/articles/10.1186/s12882-018-1050-y>

Mao Y, Chen Y, Li Y, Ma L, Wang X, Wang Q, He A, Liu X, Dong T, Gao W, Xu Y, Liu L, Ren L, Liu Q, Zhou P, Hu B, Zhou Y, Tian R, Shi ZL:

Deep spatial proteomic exploration of severe COVID-19-related pulmonary injury in post-mortem specimens

bioRxiv, 17 Jul 2023, doi: <https://doi.org/10.1101/2023.07.14.548971>

<https://doi.org/10.1101/2023.07.14.548971>

Mao Y, Chen Y, Li Y, Ma L, Wang X, Wang Q, He A, Liu X, Dong T, Gao W, Xu Y, Liu L, Ren L, Liu Q, Zhou P, Hu B, Zhou Y, Tian R, Shi ZL:

Deep spatial proteomics reveals region-specific features of severe COVID-19-related pulmonary injury

Cell Rep. 2024 Jan 18;43(2):113689. doi: 10.1016/j.celrep.2024.113689.

<https://doi.org/10.1016/j.celrep.2024.113689>

Mao Y, Li Y, Zheng Z, Xu Y, Ke M, He A, Liang F, Zhang K, Wang X, Gao W, Tian R:

All-at-once spatial proteome profiling of complex tissue context with single-cell-type resolution by proximity proteomics

Cell Syst. 2025 May 5:101291. doi: 10.1016/j.cels.2025.101291.

<https://doi.org/10.1016/j.cels.2025.101291>

Marazuela P, Solé M, Bonaterra-Pastra A, Pizarro J, Camacho J, Martínez-Sáez E, Kuiperij HB, Verbeek MM, de Kort AM, Schreuder FHBM, Klijn CJM, Castillo-Ribelles L, Pancorbo O, Rodríguez-Luna D, Pujadas F, Delgado P, Hernández-Guillamon M:

MFG-E8 (LACTADHERIN): a novel marker associated with cerebral amyloid angiopathy

Acta Neuropathol Commun. 2021 Sep 16;9(1):154. doi: 10.1186/s40478-021-01257-9.

<https://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-021-01257-9>

Marino G, Gaitanos T, Tebbe A, Nagaraj N:

Visual proteomics of subregions in colorectal cancer FFPE samples

Poster P41, 55th Annual Conference of the DGMS, March 10-13, 2024

https://dgms2024.de/fileadmin/media/dgms/2024/docs/Abstractbooklet_DGMS_2024_final_1103.pdf

Maris E, Jahouh F, Allaerts K, Vreeken R:

Development of a sequential laser microdissection tissue cuts workflow for the spatial and quantitative analysis of drugs in fresh frozen tissue sections

PLoS One. 2024 Dec 23;19(12):e0312542. doi: 10.1371/journal.pone.0312542. eCollection 2024.

<https://doi.org/10.1371/journal.pone.0312542>

Mardamshina M, Dorka N, Thielert M, Bjoerklund F, Navarro FB, Casals AM, Kovacs F, Fox JEM, Horvath P, Macdonald PE, Mann M, Lundberg:

Multiplexed Deep Visual Proteomics Unveils Spatial Heterogeneity and Rare Endocrine States in Human Adult Pancreatic Islets

bioRxiv 27 April 2025

<https://doi.org/10.1101/2025.04.27.650857>

Martá-Ariza M, Leitner DF, Kanshin E, Suazo J, Giusti Pedrosa A, Thierry M, Lee EB, Devinsky O, Drummond E, Fortea J, Lleó A, Ueberheide B, Wisniewski T:

Comparison of the amyloid plaque proteome in Down syndrome, early-onset Alzheimer's disease, and late-onset Alzheimer's disease

Acta Neuropathol. 2025 Jan 18;149(1):9. doi: 10.1007/s00401-025-02844-z.

<https://doi.org/10.1007/s00401-025-02844-z>

Martá-Ariza M, Leitner DF, Kanshin E, Suazo J, Pedrose AG, Thierry M, Lee EB, Devinsky O, Drummond E, Fortea J, Lleó A, Ueberheide B, Wisniewski T:

Comparison of the Amyloid Plaque Proteome in Down Syndrome, Early-Onset Alzheimer's Disease and Late-Onset Alzheimer's Disease

ResearchSquare, 15 Jul 2024

<https://doi.org/10.21203/rs.3.rs-4469045/v1>

Matsuda A, Boottanun P, Koizumi S, Nagai M, Kuno A:

Differential Glycoform Analysis of MUC1 Derived from Biological Specimens Using an Antibody-Overlay Lectin Microarray

Methods Mol Biol. 2024;2763:223-236. doi: 10.1007/978-1-0716-3670-1_19.

https://link.springer.com/protocol/10.1007/978-1-0716-3670-1_19

Matsuda A, Higashi M, Nakagawa T, Yokoyama S, Kuno A, Yonezawa S, Narimatsu H:

Assessment of tumor characteristics based on glycoform analysis of membrane-tethered MUC1

Lab Invest. 2017 Jun 5. doi: 10.1038/labinvest.2017.53.

<https://www.nature.com/labinvest/journal/vaop/ncurrent/full/labinvest201753a.html>

Merchant ML, Barati MT, Caster DJ, Hata JL, Hobeika L, Coventry S, Brier ME, Wilkey DW, Li M, Rood IM, Deegens JK, Wetzels JF, Larsen CP, Troost JP, Hodgins JB, Mariani LH, Kretzler M, Klein JB, McLeish KR:

Proteomic Analysis Identifies Distinct Glomerular Extracellular Matrix in Collapsing Focal Segmental Glomerulosclerosis

J Am Soc Nephrol. 2020 Jun 19;ASN.2019070696. doi: 10.1681/ASN.2019070696.

<http://jasn.asnjournals.org/cgi/pmidlookup?view=long&pmid=32561683>

Mereuta OM, Theis JD, Vrana JA, Law ME, Grogg KL, Dasari S, Chandan VS, Wu TT, Jimenez-Zepeda VH, Fonseca R, Dispenzieri A, Kurtin PJ, Dogan A:

Mass spectrometry-based proteomics reveals that leukocyte cell-derived chemotaxin 2 associated amyloidosis is a frequent cause of hepatic amyloidosis in the United States

Blood. 2014 Jan 10.

<http://bloodjournal.hematologylibrary.org/content/early/2014/01/10/blood-2013-07-517938.abstract>

Mesko MF, Salber D, Pozebon D, Dressler VL, Becker JS:

Evaluation of metal distributions in small samples of mouse brain lesions (hematoma) by inductively coupled plasma mass spectrometry after sampling by laser microdissection (LMD)

Int J of Mass Spec, Volume 307, Issues 1–3, 1 October 2011, Pages 137–141

<http://www.sciencedirect.com/science/article/pii/S138738061100159X>

Metousis A, Kenny HA, Shimizu A, Schweizer L, Ben-Moshe S, Bilecz A, Krishnan R, Zhang J, Alcazar I, Kelliher L, Ravi M, Samantaray T, Richter S, Li Y, Wang J, Steigerwald S, Theis FJ, Rosenberger FA, Nordmann TM, Yamada SD, Lastra R, Mann M, and Lengyel E:

Integration of cell-type resolved spatial proteomics and transcriptomics reveals novel mechanisms in early ovarian cancer

medRxiv, 28 Aug 2025

<https://doi.org/10.1101/2025.08.25.25333715>

Metzendorf C, Wineberger K, Rausch J, Cigiliano A, Calvisi DF, Peters, Sun B, Mennerich D, Kietzmann T, Dombrowski F, Ribback S:

Transcriptomic and Proteomic analysis of clear cell foci (CCF) in the human non-cirrhotic liver identifies several differentially expressed genes and proteins with functions in cancer cell biology and glycogen metabolism

bioRxiv, 10 Feb 2020, 10 Feb 2020

<https://www.biorxiv.org/content/10.1101/2020.02.10.941211v1.full>

Mezger STP, Mingels AMA, Bekers O, Heeren RMA, Cillero-Pastor B:

Mass Spectrometry Spatial-Omics on a Single Conductive Slide

Anal Chem. 2021 Jan 7. doi: 10.1021/acs.analchem.0c04572.

<https://pubs.acs.org/doi/full/10.1021/acs.analchem.0c04572>

Micanovic R, Khan S, El-Achkar TM:

Immunofluorescence laser micro-dissection of specific nephron segments in the mouse kidney allows targeted downstream proteomic analysis

Physiol Rep. 2015 Feb 12;3(2). pii: e12306. doi: 10.14814/phy2.12306.

<http://physreports.physiology.org/cgi/pmidlookup?view=long&pmid=25677553>

Miedema SSM, Rajcic A, Mol MO, Paliukhovich I, Klaassen RV, van Buuren R, Li KW, Koopmans FTW, Seelaar H, van Rooij JGJ, Smit AB, van Swieten JC:

Proteomics of the temporal cortex in semantic dementia reveals brain-region specific molecular pathology and regulation of the TDP-43-ANXA11 interactome

Acta Neuropathol Commun. 2025 Jul 25;13(1):162. doi: 10.1186/s40478-025-02077-x.

<https://doi.org/10.1186/s40478-025-02077-x>

Mikšík I, Ergang P, Pácha J:

Proteomic analysis of chicken eggshell cuticle membrane layer

Anal Bioanal Chem. 2014 Oct 11

<http://link.springer.com/article/10.1007/s00216-014-8213-x>

Milani P, Dispenzieri A, Scott CG, Gertz MA, Perlini S, Mussinelli R, Lacy MQ, Buadi FK, Kumar S, Maurer MS, Merlini G, Hayman SR, Leung N, Dingli D, Klarich KW, Lust JA, Lin Y, Kapoor P, Go RS, Pellikka PA, Hwa YI, Zeldenrust SR, Kyle RA, Rajkumar SV, Grogan M:

Independent Prognostic Value of Stroke Volume Index in Patients With Immunoglobulin Light Chain Amyloidosis

Circ Cardiovasc Imaging. 2018 May;11(5):e006588. doi: 10.1161/CIRCIMAGING.117.006588.

<http://circimaging.ahajournals.org/content/11/5/e006588>

Min J, Schweizer L, Zonderland G, Selvanesan BC, Oldenburg L, Bae S-W, Kim BJ, Swanson BJ, Klute KA, Caffrey TC, Grandgenett PM, Hollingsworth MA, Ummat I, Strauss MT, Mund A, Maitra A:

AI-powered Deep Visual Proteomics reveals critical molecular transitions in pancreatic cancer precursors

bioRxiv, 7 Jul 2025

<https://doi.org/10.1101/2025.07.07.663528>

Min J, Schweizer L, Zonderland G, Selvanesan BC, Oldenburg L, Hollingsworth MA, Grandgenett PM, Ummat I, Strauss MT, Mund A, Maitra A:

AI-powered deep visual proteomics (DVP) for early pancreatic cancer insights

Proceedings of the American Association for Cancer Research Annual Meeting 2025; Part 1 (Regular Abstracts); 2025 Apr 25-30; Chicago, IL. Philadelphia (PA): AACR; Cancer Res 2025;85(8_Suppl_1):Abstract nr 753.

<https://doi.org/10.1158/1538-7445.AM2025-753>

Miravalle, L., Calero, M., Takao, M., Roher, A.E., Ghetti, B., and Vidal, R.:

Amino-terminally truncated Abeta peptide species are the main component of cotton wool plaques

Biochemistry 44(32): 10810-10821 (2005)

<http://pubs.acs.org/doi/abs/10.1021/bi0508237>

Mitchell, D., Hunt, A. L., Conrads, K. A., Hood, B. L., Makohon-Moore, S. C., Rojas, C., Maxwell, G. L., Bateman, N. W., Conrads, T. P.:

Industrialized, Artificial Intelligence-guided Laser Microdissection for Microscaled Proteomic Analysis of the Tumor Microenvironment

J. Vis. Exp. (184), e64171, doi:10.3791/64171 (2022).

<https://www.jove.com/de/t/64171/industrialized-artificial-intelligence-guided-laser-microdissection>

Mitre M, Kranz TM, Marlin BJ, Schiavo JK, Erdjument-Bromage H, Zhang X, Minder J, Neubert TA, Hackett TA, Chao MV, and Froemke RC:

Sex-Specific Differences in Oxytocin Receptor Expression and Function for Parental Behavior

GENDER AND THE GENOME Volume 1, Number 4, 2017

<http://online.liebertpub.com/doi/pdfplus/10.1089/gg.2017.0017>

Mittal P, Klingler-Hoffmann M, Arentz G, Winderbaum L, Kaur G, Anderson L, Scurry J, Leung Y, Stewart CJ, Carter J, Hoffmann P, Oehler MK:

Annexin A2 and alpha actinin 4 expression correlates with metastatic potential of primary endometrial cancer

Biochim Biophys Acta. 2016 Oct 23. pii: S1570-9639(16)30221-7. doi: 10.1016/j.bbapap.2016.10.010.

[http://linkinghub.elsevier.com/retrieve/pii/S1570-9639\(16\)30221-7](http://linkinghub.elsevier.com/retrieve/pii/S1570-9639(16)30221-7)

Miyake Y, Obana M, Yamamoto A, Noda S, Tanaka K, Sakai H, Tatsumoto N, Makino C, Kanemoto S, Shioi G, Tanaka S, Maeda M, Okada Y, Imaizumi K, Asanuma K, Fujio Y:

Upregulation of OASIS/CREB3L1 in podocytes contributes to the disturbance of kidney homeostasis

Commun Biol. 2022 Jul 22;5(1):734. doi: 10.1038/s42003-022-03709-x.

<https://www.nature.com/articles/s42003-022-03709-x>

Mizuarai, S., Takahashi, K., Kobayashi, T., and Kotani, H.:

Advances in isolation and characterization of homogeneous cell populations using laser microdissection

Histol Histopathol 20(1): 139-146 (2005)

http://www.hh.um.es/Abstracts/Vol_20/20_1/20_1_139.htm

Mochizuki T, Hata T, Mori N, Yamazaki T, Noto T, Mano H:

Trans-eyelid distribution of epinastine to the conjunctiva following eyelid application in rabbits

Jpn J Ophthalmol. 2024 May 25. doi: 10.1007/s10384-024-01070-6.

<https://doi.org/10.1007/s10384-024-01070-6>

Møller LBP, Kromann B, Kabatnik S, Hjortlund JH, Haulrig MB, Sølberg JBK, Bzorek M, Clark RA, Skov L, Mann M, Løvendorf MB, Dyring-Andersen B

Spatial Proteomic Profiling Reveals Increased Levels of Cholesterol Synthesis Proteins in Psoriasis Vulgaris

J Invest Dermatol. 2025 May 22:S0022-202X(25)00489-0. doi: 10.1016/j.jid.2025.05.002.

<https://doi.org/10.1016/j.jid.2025.05.002>

Montero-Calle A, Garranzo-Asensio M, Poves C, Sanz R, Dziakova J, Peláez-García A, de Los Ríos V, Martínez-Useros J, Fernández-Aceñero MJ, Barderas R:

In-Depth Proteomic Analysis of Paraffin-Embedded Tissue Samples from Colorectal Cancer Patients Revealed TXNDC17 and SLC8A1 as Key Proteins Associated with the Disease

J Proteome Res. 2024 Oct 23. doi: 10.1021/acs.jproteome.3c00749.

<https://doi.org/10.1021/acs.jproteome.3c00749>

Mukherjee S, Rodriguez-Canales J, Hanson J, Emmert-Buck MR, Tangrea MA, Prieto DA, Blonder J, Johann DJ Jr:

Proteomic analysis of frozen tissue samples using laser capture microdissection

Methods Mol Biol. 2013;1002:71-83. doi: 10.1007/978-1-62703-360-2_6

http://dx.doi.org/10.1007/978-1-62703-360-2_6

Mund A:

When imaging and mass-spec collide - Deep Visual Proteomics (DVP) brings us the best of both worlds

Interview, Proteomics Playbook 2025, Front Line Genomics, p. 68 ff

<https://frontlinegenomics.com/proteomics-playbook-2025/>

Mund A, Brunner AD, Mann M:

Unbiased spatial proteomics with single-cell resolution in tissues

Mol Cell. 2022 Jun 16;82(12):2335-2349. doi: 10.1016/j.molcel.2022.05.022.

<https://www.sciencedirect.com/science/article/pii/S1097276522004890>

Mund A, Coscia F, Hollandi R, Kovacs F, Kriston A, Brunner A-D, Bzorek M, Naimy S, Rahbeck Gjerdm LM, Dyring-Andersen B, Bulkescher JM, Lukas C, Gnann C, Lundberg E, Horvath P, Mann M:

AI-driven Deep Visual Proteomics defines cell identity and heterogeneity

bioRxiv, 27 Jan 2021, doi: doi: <https://doi.org/10.1101/2021.01.25.427969>

<https://www.biorxiv.org/content/10.1101/2021.01.25.427969v1>

Mund A, Coscia F, Kriston A, Hollandi R, Kovacs F, Brunner A-D, Migh E, Schweizer L, Santos A, Bzorek M, Naimy S, Rahbeck Gjerdm LM, Dyring-Andersen B, Bulkescher JM, Lukas C, Gnann C, Lundberg E, Horvath P, Mann M:

Deep Visual Proteomics defines single-cell identity and heterogeneity

Nat Biotechnol (2022). <https://doi.org/10.1038/s41587-022-01302-5>

<https://www.nature.com/articles/s41587-022-01302-5>

Mund A, Coscia F, Kriston A, Hollandi R, Kovacs F, Brunner A-D, Migh E, Schweizer L, Santos A, Bzorek M, Naimy S, Rahbeck Gjerdm LM, Dyring-Andersen B, Bulkescher JM, Lukas C, Gnann C, Lundberg E, Horvath P, Mann M:

Neue Methode revolutioniert Krebsdiagnose: Wegweisende Technologie "Deep Visual Proteomics" vereint vier Technologien

Analytica-World, 23.05.2022 - Max-Planck-Institut für Biochemie (German language)

https://www.analytica-world.com/de/news/1176189/neue-methode-revolutioniert-krebsdiagnose.html?utm_source=newsletter&utm_medium=email&utm_campaign=awportalde

Muñoz-Blat I, Pérez-Moraga R, Castillo-Marco N, Cordero T, Ochando A, Ortega-Sanchís S, Parras M, Monfort-Ortiz R, Satorres-Perez E, Novillo B, Perales A, Gormley M, Granados-Aparici S, Noguera R, Roson B, Fisher SJ, Simón C, Garrido-Gómez T:

Multi-omics-based mapping of decidualization resistance in patients with a history of severe preeclampsia

Nat Med. 2025 Jan 7. doi: 10.1038/s41591-024-03407-7.

<https://doi.org/10.1038/s41591-024-03407-7>

Muñoz-Sanhueza LG, Lee Y, Tillmann M, Cohen JD, Hvorslef-Eide AK:

Auxin analysis using laser microdissected plant tissues sections

BMC Plant Biol. 2018 Jun 25;18(1):133. doi: 10.1186/s12870-018-1352-z.

<https://bmcpplantbiol.biomedcentral.com/articles/10.1186/s12870-018-1352-z>

Murgia M, Tan J, Geyer PE, Doll S, Mann M, Klopstock T:

Proteomics of Cytochrome c Oxidase-Negative versus -Positive Muscle Fiber Sections in Mitochondrial Myopathy

Cell Reports, Volume 29, Issue 12, 17 Dec 2019, Pages 3825-3834.e4

<https://www.sciencedirect.com/science/article/pii/S2211124719315372>

Murray GI:

Has the proteome of formalin-fixed wax-embedded tissue been unlocked?

Nephrol Dial Transplant. 2012 Aug 1. [Epub ahead of print]

<http://ndt.oxfordjournals.org/content/early/2012/07/31/ndt.gfs342.full.pdf+html>

Nagai-Okatani C, Nagai M, Sato T, Kuno A:

An Improved Method for Cell Type-Selective Glycomic Analysis of Tissue Sections Assisted by Fluorescence Laser Microdissection

Int J Mol Sci. 2019 Feb 6;20(3). pii: E700. doi: 10.3390/ijms20030700.

<http://www.mdpi.com/resolver?pii=ijms20030700>

Nagai-Okatani C, Nishigori M, Sato T, Minamino N, Kaji H, Kuno A:

Wisteria floribunda agglutinin staining for the quantitative assessment of cardiac fibrogenic activity in a mouse model of dilated cardiomyopathy

Lab Invest. 2019 Jun 28. doi: 10.1038/s41374-019-0279-9.

<https://www.nature.com/articles/s41374-019-0279-9>

Nagatoshi A, Ueda M, Ueda A, Tasaki M, Inoue Y, Ma Y, Masuda T, Mizukami M, Matsumoto S, Kosaka T, Kawano T, Ito T, Ando Y:

Serum amyloid P component: A novel potential player in vessel degeneration in CADASIL

Jns(2017), doi: 10.1016/j.jns.2017.05.033

<http://www.sciencedirect.com/science/article/pii/S0022510X17303295>

Naimy S, Sølberg JBK, Kuczek DE, Løvendorf MB, Bzorek M, Litman T, Mund A, Rahbek Gjerdrum LM, Clark RA, Mann M, Dyring-Andersen B:

Comparative quantitative proteomic analysis of melanoma subtypes, nevus-associated melanoma, and corresponding nevi

J Invest Dermatol. 2024 Jan 5:S0022-202X(23)03211-6. doi: 10.1016/j.jid.2023.12.011.

<https://doi.org/10.1016/j.jid.2023.12.011>

Nakamura H, Fujii K, Gupta V, Hata H, Koizumu H, Hoshikawa M, Naruki S, Miyata Y, Takahashi I, Miyazawa T, Sakai H, Tsumoto K, Takagi M, Saji H, Nishimura T:

Identification of key modules and hub genes for small-cell lung carcinoma and large-cell neuroendocrine lung carcinoma by weighted gene co-expression network analysis of clinical tissue-proteomes

PLoS One. 2019 Jun 5;14(6):e0217105. doi: 10.1371/journal.pone.0217105. eCollection 2019.

<http://dx.plos.org/10.1371/journal.pone.0217105>

Nakamura J, Yamamoto T, Takabatake Y, Namba-Hamano T, Takahashi A, Matsuda J, Minami S, Sakai S, Yonishi H, Maeda S, Matsui S, Kawai H, Matsui I, Yamamuro T, Eda Hiro R, Takashima S, Takasawa A, Okada Y, Yoshimori T, Ballabio A, Isaka Y:

Age-related TFEB downregulation in proximal tubules causes systemic metabolic disorders and occasional apolipoprotein A4-related amyloidosis

JCI Insight. 2024 Dec 19:e184451. doi: 10.1172/jci.insight.184451.

<https://doi.org/10.1172/jci.insight.184451>

Naqvi A, Bonert M, Finley C, Czarnicka-Kujawa K, Yasufuku K, Schwock J, Kulasingam V, John R, Ko HM:

Role of EBUS-TBNA/EUS-FNA and mass spectrometry for diagnosis and typing of lymph node amyloidosis: 10-year experience in two tertiary care academic centers

Cancer Cytopathol. 2023 Aug 28. doi: 10.1002/cncy.22751.

<https://doi.org/10.1002/cncy.22751>

Nasr SH, Chavez O, Dasari S, Theis JD, Vrana JA, Fatima H, Fu L, Baliga RS, McPhail ED:

Donor-Derived ALECT2 Amyloidosis and Recurrent Fibrillary Glomerulonephritis in a Transplant Allograft

Kidney Medicine, 16 Feb 2021, <https://doi.org/10.1016/j.xkme.2020.11.019>

<https://www.sciencedirect.com/science/article/pii/S2590059521000236>

Nasr SH, Kudose S, Javaugue V, Harel S, Said SM, Pascal V, Stokes MB, Vrana JA, Dasari S, Theis JD, Osuchukwu GA, Sathick IJ, Das A, Kashkouli A, Suchin EJ, Liss Y, Suldan Z, Verine J, Arnulf B, Talbot A, Sethi S, Zaidan M, Goujon JM, Valeri AM, McPhail ED, Sirac C, Leung N, Bridoux F, D'Agati VD:

Pathological characteristics of light chain crystalline podocytopathy

Kidney International (2023), doi: <https://doi.org/10.1016/j.kint.2022.11.026>.

<https://doi.org/10.1016/j.kint.2022.11.026>

Nasr SH, Said SM, Valeri AM, Sethi S, Fidler ME, Cornell LD, Gertz MA, Dispenzieri A, Buadi FK, Vrana JA, Theis JD, Dogan A, Leung N:

The diagnosis and characteristics of renal heavy-chain and heavy/light-chain amyloidosis and their comparison with renal light-chain amyloidosis

Kidney Int. 2013 Jan 9. doi: 10.1038/ki.2012.414.

<http://dx.doi.org/10.1038/ki.2012.414>

Nasr SH, Vrana JA, Dasari S, Bridoux F, Fidler ME, Kaaki S, Quellard N, Rinsant A, Goujon JM, Sethi S, Fervenza FC, Cornell LD, Said SM, McPhail E, Herrera Hernandez LP, Grande JP, Hogan MC, Lieske JC, Leung N, Kurtin PJ, Alexander MP:

DNAJB9 is a Specific Immunohistochemical Marker for Fibrillary Glomerulonephritis

Kidney International Reports (31 Jul 2017), doi: 10.1016/j.ekir.2017.07.017.

[http://www.kireports.org/article/S2468-0249\(17\)30341-8/pdf](http://www.kireports.org/article/S2468-0249(17)30341-8/pdf)

Negishi, A., Masuda, M., Ono, M., Honda, K., Shitashige, M., Satow, R., Sakuma, T., Kuwabara, H., Nakanishi, Y., Kanai, Y., Omura, K., Hirohashi, S., Yamada, T.

Quantitative proteomics using formalin-fixed paraffin-embedded tissues of oral squamous cell carcinoma

Cancer Sci 100(9):1605-1611 (2009)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1349-7006.2009.01227.x/full>

Nimo J, Fritzsche S, Valdes DS, Trinh M, Pentimalli T, Schallenberg S, Klauschen F, Herse F, Florian S, Rajewski N, and Coscia F:

OpenDVP: An experimental and computational framework for community-empowered deep visual proteomics

bioRxiv preprint doi: <https://doi.org/10.1101/2025.07.13.662099>; July 16, 2025.

<https://doi.org/10.1101/2025.07.13.662099>

Ning X, Yin Z, Li Z, Xu J, Wang L, Shen W, Lu Y, Cai G, Zhang X, Chen X:

Comparative proteomic analysis of urine and laser microdissected glomeruli in IgA nephropathy

Clin Exp Pharmacol Physiol. 2017 Jan 21. doi: 10.1111/1440-1681.12733.

<http://dx.doi.org/10.1111/1440-1681.12733>

Nishida Y, Aida K, Kihara M, Kobayashi T:

Antibody-validated proteins in inflamed islets of fulminant type 1 diabetes profiled by laser-capture microdissection followed by mass spectrometry

PLoS One. 2014 Oct 16;9(10):e107664. doi: 10.1371/journal.pone.0107664. eCollection 2014.

<http://dx.plos.org/10.1371/journal.pone.0107664>

Nishimura T, Kato H, Ikeda N, Kihara M, Nomura M, Kato Y and Marko-Varga G:

Cancer Phenotype Diagnosis and Drug Efficacy within Japanese Health Care

International Journal of Proteomics, Volume 2012 (2012), Article ID 921901

<http://www.hindawi.com/journals/ijpro/2012/921901/>

Nishimura T, Nakamura H, Fujii K, Sakai H, Naruki S, Furuya N, Kato H, Saji H:

Identification of upstream immunoregulators that target protein co-expression networks significantly associated with early-stage micropapillary/solid predominant lung adenocarcinomas

Research Square, December 20th 2022, DOI: <https://doi.org/10.21203/rs.3.rs-2377717/v1>

<https://doi.org/10.21203/rs.3.rs-2377717/v1>

Nishimura T, Nakamura H, Tan KT, Zhuo DW, Fujii K, Koizumi H, Naruki S, Takagi M, Furuya N, Kato Y, Chen SJ, Kato H, Saji H:

A proteogenomic profile of early lung adenocarcinomas by protein co-expression network and genomic alteration analysis

Sci Rep. 2020 Aug 12;10(1):13604. doi: 10.1038/s41598-020-70578-x.

<https://www.nature.com/articles/s41598-020-70578-x.pdf>

Nishimura T, Nakamura H, Yachie A, Hase T, Fujii K, Koizumi H, Naruki S, Takagi M, Matsuoka Y, Furuya N, Kato H, Saji H:

Disease-related cellular protein networks differentially affected under different EGFR mutations in lung adenocarcinoma

Sci Rep. 2020 Jul 2;10(1):10881. doi: 10.1038/s41598-020-67894-7.

<https://www.nature.com/articles/s41598-020-67894-7.pdf>

Nishimura T, Nomura M, Tojo H, Hamasaki H, Fukuda T, Fujii K, Mikami S, Bando Y, Kato H:

Proteomic analysis of laser-microdissected paraffin-embedded tissues: (2) MRM assay for stage-related proteins upon non-metastatic lung adenocarcinoma

J Proteomics. 2010 Apr 18;73(6):1100-10

<http://www.sciencedirect.com/science/article/pii/S187439190900342X>

Nishimura T, Takadate T, Maeda S, Suzuki T, Minowa T, Fukuda T, Bando Y, Unno M:

Disease-related protein co-expression networks are associated with the prognosis of resectable node-positive pancreatic ductal adenocarcinoma

Research Square, April 14th 2022, DOI: <https://doi.org/10.21203/rs.3.rs-1539065/v1>

<https://doi.org/10.21203/rs.3.rs-1539065/v1>

Noberini R, Bonaldi T :

Mass Spectrometry-Based Analysis of Histone Posttranslational Modifications from Laser Microdissected Samples

Methods Mol Biol. 2023;2718:271-283. doi: 10.1007/978-1-0716-3457-8_15.

https://doi.org/10.1007/978-1-0716-3457-8_15

Noberini R, Longuespée R, Richichi C, Pruneri G, Kriegsmann M, Pelicci G, Bonaldi T
PAT-H-MS coupled with laser microdissection to study histone post-translational modifications in selected cell populations from pathology samples

Clin Epigenetics. 2017 Jul 11;9:69. doi: 10.1186/s13148-017-0369-8. eCollection 2017.
<https://clinicaledgejournal.biomedcentral.com/articles/10.1186/s13148-017-0369-8>

Noberini R, Morales Torres C, Savoia EO, Brandini S, Jodice MG, Bertalot G, Bonizzi G, Capra M, Diaferia G, Scaffidi P, Bonaldi T:

Label-Free Mass Spectrometry-Based Quantification of Linker Histone H1 Variants in Clinical Samples

Int J Mol Sci. 2020 Oct 4;21(19):7330. doi: 10.3390/ijms21197330.
<https://www.mdpi.com/1422-0067/21/19/7330>

Noberini R, Restellini C, Oliva Savoia E, Bonaldi T:

Enrichment of histones from patient samples for mass spectrometry-based analysis of post-translational modifications

Methods. 2019 Oct 9. pii: S1046-2023(19)30136-7. doi: 10.1016/j.ymeth.2019.10.001.
[https://linkinghub.elsevier.com/retrieve/pii/S1046-2023\(19\)30136-7](https://linkinghub.elsevier.com/retrieve/pii/S1046-2023(19)30136-7)

Noberini R, Savoia EO, Brandini S, Greco F, Marra F, Bertalot G, Pruneri G, McDonnell LA, Bonaldi T:
Spatial epi-proteomics enabled by histone post-translational modification analysis from low-abundance clinical samples

Clin Epigenetics. 2021 Jul 28;13(1):145. doi: 10.1186/s13148-021-01120-7.
<https://clinicaledgejournal.biomedcentral.com/articles/10.1186/s13148-021-01120-7>

Nomura M, Fukuda T, Fujii K, Kawamura T, Tojo H, Kihara M, Bando Y, Gazdar AF, Tsuboi M, Oshiro H, Nagao T, Ohira T, Ikeda N, Gotoh N, Kato H, Marko-Varga G, Nishimura T

Preferential expression of potential markers for cancer stem cells in large cell neuroendocrine carcinoma of the lung. An FFPE proteomic study

J Clin Bioinforma. 2011 Sep 3;1(1):23.
<http://www.jclinbioinformatics.com/content/1/1/23/abstract>

Nordmann TM, Anderton H, Hasegawa A, Schweizer L, Zhang P, Stadler P-C, Sinha A, Metousis A, Rosenberger FA, Zwiebel M, Satoh TK, Anzengruber F, Tanzer MC, Saito Y, Gong T, Thielert M, Kimura H, Silke N, Rodriguez EH, Gaetana R, Nguyen HH, Gross A, Levesque MP, Murray PJ, Ingen-Housz-Oro S, Mund A, Abe R, Silke J, Ji C, French LE, Mann M:

Single-cell spatial proteomics identifies the JAK/STAT pathway as an actionable therapeutic target in lethal cutaneous drug reactions

medRxiv preprint, November 12, 2023
<https://doi.org/10.1101/2023.11.11.23295492>

Nordmann TM, Anderton H, Hasegawa A, Schweizer L, Zhang P, Stadler PC, Sinha A, Metousis A, Rosenberger FA, Zwiebel M, Satoh TK, Anzengruber F, Strauss MT, Tanzer MC, Saito Y, Gong T, Thielert M, Kimura H, Silke N, Rodriguez EH, Restivo G, Nguyen HH, Gross A, Feldmeyer L, Joerg L, Levesque MP, Murray PJ, Ingen-Housz-Oro S, Mund A, Abe R, Silke J, Ji C, French LE, Mann M:

Spatial proteomics identifies JAKi as treatment for a lethal skin disease

Nature. 2024 Oct 16. doi: 10.1038/s41586-024-08061-0.
<https://www.nature.com/articles/s41586-024-08061-0>

Nordmann TM, Mund A, Mann M:

A new understanding of tissue biology from MS-based proteomics at single-cell resolution

Nat Methods 21, 2220–2222 (2024).
<https://doi.org/10.1038/s41592-024-02541-x>

Nordmann TM, Schweizer L, Metousis A, Thielert M, Rodriguez E, Rahbek-Gjerdum LM, Stadler P-C, Bzorek M, Mund A, Rosenberger FA, Mann M:

A standardized and reproducible workflow for membrane glass slides in routine histology and spatial proteomics

bioRxiv, 21. Feb 2023, doi: <https://doi.org/10.1101/2023.02.20.529255>
<https://doi.org/10.1101/2023.02.20.529255>

Nozohouri E, Noorani B, Patel D, Ahn Y, Zoubi S, Bickel U:

Assessing blood-brain barrier (BBB) integrity in an Alzheimer's disease mouse model: is the BBB globally or locally disrupted?

Fluids Barriers CNS. 2025 Jul 23;22(1):79. doi: 10.1186/s12987-025-00685-2.
<https://doi.org/10.1186/s12987-025-00685-2>

Nüsken E, Turnwald EM, Fink G, Voggel J, Yosy C, Kretschmer T, Handwerk M, Wohlfarth M, Weber LT, Hucklenbruch-Rother E, Dötsch J, Nüsken KD, Appel S:

Maternal High Fat Diet and in-Utero Metformin Exposure Significantly Impact upon the Fetal Renal Proteome of Male Mice

J Clin Med. 2019 May 11;8(5). pii: E663. doi: 10.3390/jcm8050663.
<http://www.mdpi.com/resolver?pii=jcm8050663>

Oberhuber M, Pecoraro M, Rusz M, Oberhuber G, Wieselberg M, Haslinger P, Gurnhofer E, Schleder M, Limberger T, Lagger S, Pencik J, Kodajova P, Högl S, Stockmaier G, Grund-Gröschke S, Aberger F, Bolis M, Theurillat JP, Wiebringhaus R, Weiss T, Haitel A, Brehme M, Wadsak W, Griss J, Mohr T, Hofer A, Jäger A, Pollheimer J, Egger G, Koellensperger G, Mann M, Hantusch B, Kenner L:

STAT3-dependent analysis reveals PDK4 as independent predictor of recurrence in prostate cancer

Mol Syst Biol. 2020 Apr;16(4):e9247. doi: 10.15252/msb.20199247.
<https://www.embopress.org/doi/epdf/10.15252/msb.20199247>

Ohara R, Michikami H, Nakamura Y, Sakata A, Sakashita S, Satomi K, Shiba-Ishii A, Kano J, Yoshikawa H, Noguchi M:

Moesin overexpression is a unique biomarker of adenomyosis

Pathol Int. 2014 Mar;64(3):115-22. doi: 10.1111/pin.12148.
<http://onlinelibrary.wiley.com/doi/10.1111/pin.12148/abstract>

Okuyama H, Endo H, Akashika T, Kato K, Inoue M:

Downregulation of c-MYC protein levels contributes to cancer cell survival under dual deficiency of oxygen and glucose

Cancer Res 70(24):10213-23 (2010)
<http://cancerres.aacrjournals.org/content/70/24/10213.short>

Oliveira C, Longuespée R:

MALDIimID: Spatialomics R package and Shiny app for more specific identification of MALDI imaging proteolytic peaks using LC-MS/MS-based proteomic biomarker discovery data

Proteomics – Proteomics and Systems Biology, 3rd April 2023, DOI:10.1002/pmic.202300005
<https://doi.org/10.1002/pmic.202300005>

O'Malley KJ, Eisermann K, Pascal LE, Parwani AV, Majima T, Graham L, Hrebinko K, Acquafondata M, Stewart NA, Nelson JB, Yoshimura N, Wang Z:

Proteomic analysis of patient tissue reveals PSA protein in the stroma of benign prostatic hyperplasia

Prostate. 2014 Apr 7. doi: 10.1002/pros.22807.
<http://dx.doi.org/10.1002/pros.22807>

Omri S, Behar-Cohen F, Rothschild PR, Gélizé E, Jonet L, Jeanny JC, Omri B, Crisanti P:

PKC ζ Mediates Breakdown of Outer Blood-Retinal Barriers in Diabetic Retinopathy

PLoS One. 2013 Nov 29;8(11):e81600. doi: 10.1371/journal.pone.0081600.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0081600>

Oskolas H, Nogueira FCN, Domont GB, Yu KH, Semenov YR, Sorger P, Steinfelder E, Corps L, Schulz L, Wieslander E, Fenyő D, Kárpáti S, Holló P, Kemény LV, Döme B, Megyesfalvi Z, Pawłowski K, Nishimura T, Kwon H, Encarnación-Guevara S, Szasz AM, Veréb Z, Gyulai R, Németh IB, Appelqvist R, Rezeli M, Baldetorp B, Horvatovich P, Malmström J, Pla I, Sanchez A, Knudsen B, Kiss A, Malm J, Marko-Varga G, Gil J:

Comprehensive biobanking strategy with clinical impact at the European Cancer Moonshot Lund Center

J Proteomics. 2025 Apr 15:105442. doi: 10.1016/j.jprot.2025.105442.

<https://doi.org/10.1016/j.jprot.2025.105442>

Pan S, Brentnall TA, Kelly K, Chen R:

Tissue proteomics in pancreatic cancer study: discovery, emerging technologies and challenges

Proteomics. 2012 Nov 2. doi: 10.1002/pmic.201200319.

<http://dx.doi.org/10.1002/pmic.201200319>

Peacock PM, Zhang WJ, Trimpin S:

Advances in Ionization for Mass Spectrometry

Anal. Chem., Nov 15; DOI: 10.1021/acs.analchem.6b04348

<http://pubs.acs.org/doi/abs/10.1021/acs.analchem.6b04348>

Perampalam P, Hassan HM, Lilly GE, Passos DT, Torchia J, Kiser PK, Bozovic A, Kulasingam V, Dick FA.
Disrupting the DREAM transcriptional repressor complex induces apolipoprotein overexpression and systemic amyloidosis in mice

J Clin Invest. 2021 Jan 14:140903. doi: 10.1172/JCI140903.

<https://doi.org/10.1172/JCI140903>

Penick ER, Bateman NW, Rojas C, Magana C, Conrads K, Zhou M, Hood BL, Wang G, Parikh N, Huang Y, Darcy KM, Casablanca Y, Mhawech-Fauceglia P, Maxwell GL, Conrads T:

Proteomic Alterations Associated with Residual Disease in Neoadjuvant Chemotherapy Treated Ovarian Cancer Tissues

Research Square, 9th May 2022, DOI: <https://doi.org/10.21203/rs.3.rs-1625948/v1>

<https://www.researchsquare.com/article/rs-1625948/v1>

Pignatelli M, Umanah GK, Ribeiro SP, Chen R, Karuppagounder SS, Yau HJ, Eacker S, Dawson VL, Dawson TM, Bonci A

Synaptic Plasticity onto Dopamine Neurons Shapes Fear Learning

Neuron. 2017 Jan 18;93(2):425-440. doi: 10.1016/j.neuron.2016.12.030

[https://linkinghub.elsevier.com/retrieve/pii/S0896-6273\(16\)31003-0](https://linkinghub.elsevier.com/retrieve/pii/S0896-6273(16)31003-0)

Post F, Hausmann A, Kabatnik S, Steigerwald S, Brand A, Clement DL, Skov J, Boyce TL, Sato T, Steenholdt C, Mund A, Nielsen OH, Jensen KB, Mann M:

Deep Visual Proteomics advances human colon organoid models by revealing a switch to an in vivo-like phenotype upon xenotransplantation

bioRxiv preprint, doi: <https://doi.org/10.1101/2024.05.13.593888>; May 14, 2024

<https://doi.org/10.1101/2024.05.13.593888>

Post F, Hausmann A, Kabatnik S, Steigerwald S, Brand A, Clement DL, Skov J, Löhmußaar K, Larsen HL, Maimets M, Boyce TL, Jez G, Sato T, Steenholdt C, Rosenberger F, Mund A, Nielsen OH, Jensen KB, Mann M:

Deep visual proteomics reveals an in vivo-like phenotype of orthotopically transplanted human colon organoids

Cell Systems 16, 101396, September 17, 2025

<https://doi.org/10.1016/j.cels.2025.101396>

Qin R, Ma J, He F, Qin W:

In-depth and high-throughput spatial proteomics for whole-tissue slice profiling by deep learning-facilitated sparse sampling strategy

Cell Discov 11, 21 (2025).

<https://doi.org/10.1038/s41421-024-00764-y>

Raj-Kumar PK, Lin X, Liu T, Sturtz LA, Gritsenko MA, Petyuk VA, Sagendorf TJ, Deyarmin B, Liu J, Praveen-Kumar A, Wang G, McDermott JE, Shukla AK, Moore RJ, Monroe ME, Webb-Robertson BM, Hooke JA, Fantacone-Campbell L, Mostoller B, Kvecher L, Kane J, Melley J, Somiari S, Soon-Shiong P, Smith RD, Mural RJ, Rodland KD, Shriver CD, Kovatich AJ, Hu H:

Proteogenomic characterization of difficult-to-treat breast cancer with tumor cells enriched through laser microdissection

Breast Cancer Res. 2024 May 14;26(1):76. doi: 10.1186/s13058-024-01835-4.

<https://doi.org/10.1186/s13058-024-01835-4>

Raj-Kumar PK, Liu J, Soltis AR, Bateman NW, Chen Q, Sturtz LA, Deyarmin B, Pierobon M, Abulez TA, Praveen-Kumar A, Zhang X, Nguyen T, Yan C, Hu Y, Guion K, Hooke JA, Kovatich AJ, Fantacone-Campbell L, Mostoller B, Kvecher L, Somiari S, Steeg PS, Rajagopal PS, Darcy KM, Lee JSH, Dalgard CL, Conrads TP, Petricoin EF, Meerzaman D, Wilkerson MD; APOLLO Research Network; Lin X, Shriver CD, Lipkowitz S, Hu H:

Proteogenomic characterization of invasive breast tumors in young women

NPJ Breast Cancer. 2025 Aug 18;11(1):94. doi: 10.1038/s41523-025-00793-0.

<https://doi.org/10.1038/s41523-025-00793-0>

Ramey ME, Kaya F, Bauman AA, Massoudi LM, Sarathy JP, Zimmerman MD, Scott DWL, Job AM, Miller-Dawson JA, Podell BK, Lyons MA, Dartois V, Lenaerts AJ, Robertson GT :

Drug distribution and efficacy of the DprE1 inhibitor BTZ-043 in the C3HeB/FeJ mouse tuberculosis model

Antimicrob Agents Chemother. 2023 Oct 4:e0059723. doi: 10.1128/aac.00597-23.

<https://doi.org/10.1128/aac.00597-23>

Ramirez-Alvarado M, Barnidge DR, Murray DL, Dispenzieri A, Marin-Argany M, Dick CJ, Cooper SA, Nasr SH, Ward CJ, Dasari S, Jiménez-Zepeda VH, Leung N :

Assessment of renal response with urinary exosomes in patients with AL amyloidosis: A proof of concept

Am J Hematol. 2017 Mar 10. doi: 10.1002/ajh.24717.

<http://onlinelibrary.wiley.com/doi/10.1002/ajh.24717/full>

Randall J, Cannon TL, Hunt AL, Nutcharoen A, Johnston L, Wang H, Wadlow RC, Winer A, Huynh J, Bateman NW, Davus JB, Corgiat B, Petricoin E, Conrads TP:

Proteomic quantification of HER-2 abundance and activation in pancreatic ductal adenocarcinoma tumor specimens using reverse phase protein array

Journal of Clinical Oncology 41, no. 16_suppl (June 01, 2023) e16299-e16299.

https://doi.org/10.1200/JCO.2023.41.16_suppl.e16299

Randall J, Hunt AL, Nutcharoen A, Johnston L, Chouraichi S, Wang H, Winer A, Wadlow R, Huynh J, Davis J, Corgiat B, Bateman NW, Deeken JF, Petricoin EF, Conrads TP, Cannon TL:

Quantitative proteomic analysis of HER2 protein expression in PDAC tumors

Clin Proteomics. 2024 Mar 20;21(1):24. doi: 10.1186/s12014-024-09476-7.

<https://doi.org/10.1186/s12014-024-09476-7>

Reddy LA, Mikesch L, Moskaluk CA, Harvey J, Sherman N, Zigino P, Mauch C, Fox JW:
Host response to human breast in situ ductal carcinoma (IDC) as observed by changes in the stromal proteome

J Proteome Res. 2014 Sep 22

<http://dx.doi.org/10.1021/pr500620x>

Reglodi D, Jungling A, Longuespée R, Kriegsmann J, Casadonte R, Kriegsmann M, Juhasz T, Bardosi S, Tamas A, Fulop BD, Kovacs K, Nagy Z, Sparks J, Miseta A, Mazzucchelli G, Hashimoto H, Bardosi A:
Accelerated pre-senile systemic amyloidosis in PACAP knockout mice - a protective role of PACAP in age-related degenerative processes

J Pathol. 2018 May 17. doi: 10.1002/path.5100.

<http://dx.doi.org/10.1002/path.5100>

Renz M, Torres R, Dolan PJ, Tam SJ, Tapia JR, Li L, Salmans JR, Barbour RM, Shughrue PJ, Nijjar T, Schenk D, Kinney GG, Zago W:

2A4 binds soluble and insoluble light chain aggregates from AL amyloidosis patients and promotes clearance of amyloid deposits by phagocytosis †

Amyloid. 2016 Aug 5:1-10.

<http://www.tandfonline.com/doi/full/10.1080/13506129.2016.1205974>

Rezania K, Saadat L:

Neurological Manifestations of Transthyretin-Related Amyloidosis

IntechOpen, 21 Feb 2019, DOI: 10.5772/intechopen.84470

<https://www.intechopen.com/online-first/neurological-manifestations-of-transthyretin-related-amyloidosis>

Rezk:

Novel techniques in the diagnosis, monitoring and outcome of renal and cardiac amyloidosis

Thesis, 2019

<http://discovery.ucl.ac.uk/10078174/1/Novel%20techniques%20in%20the%20diagnosis%2C%20monitoring%20and%20outcomes%20of%20renal%20and%20cardiac%20amyloidosis%20PhD%20thesis%20Post%20Viva%20Corrections.pdf>

Rezk T, Gilbertson JA, Rowczenio D, Bass P, Lachmann HJ, Wechalekar AD, Fontana M, Mahmood S, Sachchithanantham S, Whelan CJ, Wong J, Rendell N, Taylor GW, Hawkins PN, and Gillmore JD:

Diagnosis, pathogenesis and outcome in leucocyte chemotactic factor 2 (ALECT2) amyloidosis

Nephrol. Dial. Transplant. (2016) doi: 10.1093/ndt/gfw375

<http://ndt.oxfordjournals.org/content/early/2016/11/09/ndt.gfw375.abstract>

Robertson GT, Ramey ME, Massoudi LM, Carter CL, Zimmerman M, Kaya F, Graham BG, Gruppo V, Hastings C, Woolhiser LK, Scott DWL, Asay BC, Eshun-Wilson F, Maidj E, Podell BK, Vásquez JJ, Lyons MA, Dartois V, Lenaerts AJ:

Comparative Analysis of Pharmacodynamics in the C3HeB/FeJ Mouse Tuberculosis Model for DprE1 inhibitors TBA-7371, PBTZ169 and OPC-167832

Antimicrob Agents Chemother. 2021 Aug 9;AAC0058321. doi: 10.1128/AAC.00583-21.

<https://journals.asm.org/doi/pdf/10.1128/AAC.00583-21>

Robusti G, Vai A, Bonaldi T, Nuberini R:

Investigating pathological epigenetic aberrations by epi-proteomics

Clin Epigenetics. 2022 Nov 12;14(1):145. doi: 10.1186/s13148-022-01371-y.

<https://doi.org/10.1186/s13148-022-01371-y>

Rodriguez FJ1, Gamez JD, Vrana JA, Theis JD, Giannini C, Scheithauer BW, Parisi JE, Lucchinetti CF, Pendlebury WW, Bergen HR 3rd, Dogan A

Immunoglobulin derived depositions in the nervous system: novel mass spectrometry application for protein characterization in formalin-fixed tissues

Lab Invest. 2008 Oct;88(10):1024-37. doi: 10.1038/labinvest.2008.72. Epub 2008 Aug 18.
<http://dx.doi.org/10.1038/labinvest.2008.72>

Rong Z, Mai H, Ebert G, Kapoor S, Puellas VG, Czogalla J, Hu S, Su J, Prtvar D, Singh I, Schädler J, Delbridge C, Steinke H, Frenzel H, Schmidt K, Braun C, Bruch G, Ruf V, Ali M, Sühs KW, Nemati M, Hopfner F, Ulukaya S, Jeridi D, Mistretta D, Caliskan ÖS, Wettengel JM, Cherif F, Kolabas ZI, Molbay M, Horvath I, Zhao S, Krahmer N, Yildirim AÖ, Ussar S, Herms J, Huber TB, Tahirovic S, Schwarzmaier SM, Plesnila N, Höglinger G, Ondruschka B, Bechmann I, Protzer U, Elsner M, Bhatia HS, Hellal F, Ertürk A:
Persistence of spike protein at the skull-meninges-brain axis may contribute to the neurological sequelae of COVID-19

Cell Host Microbe. 2024 Nov 26:S1931-3128(24)00438-4. doi: 10.1016/j.chom.2024.11.007.
<https://doi.org/10.1016/j.chom.2024.11.007>

Rosenberger FA, Mädler SC, Thorhauge KH, Steigerwald S, Fromme M, Lebedev M, Weiss CAM, Oeller M, Wahle M, Metousis A, Zwiebel M, Schmacke NA, Detlefsen S, Boor P, Fabián O, Fraňková S, Krag A, Strnad P, Mann M:

Deep Visual Proteomics maps proteotoxicity in a genetic liver disease

Nature. 2025 Apr 16. doi: 10.1038/s41586-025-08885-4.
<https://www.nature.com/articles/s41586-025-08885-4>

Rosenberger FA, Mädler SC, Thorhauge KH, Steigerwald S, Fromme M, Lebedev M, Weiss CAM, Oeller M, Wahle M, Zwiebel M, Schmacke NA, Detlefsen S, Boor P, Kaserman J, Wilson A, Fabián O, Franková S, Krag AA, Strnad P, and Mann M:

The proteomic landscape of proteotoxic stress in a fibrogenic liver disease

bioRxiv, 3rd Nov 2024
<https://doi.org/10.1101/2024.11.01.621457>

Rosenberger FA, Thielert M, Mann M:

Making single-cell proteomics biologically relevant

Nat Methods. 2023 Mar;20(3):320-323. doi: 10.1038/s41592-023-01771-9.
<https://www.nature.com/articles/s41592-023-01771-9>

Rosenberger FA, Thielert M, Strauss MT, Ammar C, Mädler SC, Schweizer L, Metousis A, Skowronek P, Wahle M, Gote-Schniering J, Semenova A, Schiller HB, Rodriguez E, Nordmann TM, Mund A, Mann M:

Spatial single-cell mass spectrometry defines zonation of the hepatocyte proteome

bioRxiv, 3. Dec 2022, doi: <https://doi.org/10.1101/2022.12.03.518957>
<https://doi.org/10.1101/2022.12.03.518957>

Rosenberger FA, Thielert M, Strauss MT, Schweizer L, Ammar C, Mädler SC, Metousis A, Skowronek P, Wahle M, Madden K, Gote-Schniering J, Semenova A, Schiller HB, Rodriguez E, Nordmann TM, Mund A, Mann M:

Spatial single-cell mass spectrometry defines zonation of the hepatocyte proteome.

Nat Methods. 2023 Oct 2. doi: 10.1038/s41592-023-02007-6.
<https://doi.org/10.1038/s41592-023-02007-6>

Rowczenio D, Stensland M, de Souza GA, Strøm EH, Gilbertson JA, Taylor G, Rendell N, Minogue S, Efebera YA, Lachmann HJ, Wechalekar AD, Hawkins PN, Heimdal KR, Selvig K, Lægreid IK, Gillmore JD, Wien TN:

Renal amyloidosis associated with five novel variants in the fibrinogen A-alpha chain protein

Kidney International Reports (2016), doi: 10.1016/j.ekir.2016.11.005.
<http://www.sciencedirect.com/science/article/pii/S246802491630170X>

Ruan W, Sassoon A, An F, Simko JP, Liu B:

Identification of clinically significant tumor antigens by selecting phage antibody library on tumor cells in situ using laser capture microdissection

Mol Cell Proteomics. 2006 Dec;5(12):2364-73.

<http://www.mcponline.org/cgi/pmidlookup?view=long&pmid=16982673>

Saha A, Chopra Y, Theis JD, Vrana JA, Sethi S:

AA Amyloidosis Associated With Systemic-Onset Juvenile Idiopathic Arthritis

American Journal of Kidney Diseases - 13 May 2013 (10.1053/j.ajkd.2013.02.377)

<http://www.ajkd.org/article/S0272-6386%2813%2900675-6/abstract>

Said SM, Rocha AB, Valeri AM, Pauksakon P, Dasari S, Theis JD, Vrana JA, Obadina MO, Saghaifi D, Alexander MP, Sethi S, Larsen CP, Joly F, Dispenzieri A, Bridoux F, Sirac C, Leung N, Fogo AB, McPhail ED, Nasr SH:

The characteristics of patients with kidney light chain deposition disease concurrent with light chain amyloidosis

Kidney Int. 2021 Nov 9:S0085-2538(21)01035-8. doi: 10.1016/j.kint.2021.10.019.

<https://www.sciencedirect.com/science/article/pii/S0085253821010358>

Said SM, Sethi S, Valeri AM, Chang A, Nast CC, Krahl L, Molloy P, Barry M, Fidler ME, Cornell LD, Leung N, Vrana JA, Theis JD, Dogan A, Nasr SH:

Characterization and outcomes of renal leukocyte chemotactic factor 2-associated amyloidosis

Kidney Int. 2014 Jan 22. doi: 10.1038/ki.2013.558.

<http://dx.doi.org/10.1038/ki.2013.558>

Said SM, Sethi S, Valeri AM, Leung N, Cornell LD, Fidler ME, Herrera Hernandez L, Vrana JA, Theis JD, Quint PS, Dogan A, Nasr SH:

Renal Amyloidosis: Origin and Clinicopathologic Correlations of 474 Recent Cases

Clin J Am Soc Nephrol. 2013 May 23.

<http://cjasn.asnjournals.org/cgi/pmidlookup?view=long&pmid=23704299>

Saigusa D:

Metabolic profiling by integrated analysis with LC-MS and MSI

Medical Mass Spectrometry Vol. 7 No. 1, March 29, 2023. DOI: 10.24508/mms.2023.06.009

<https://doi.org/10.24508/mms.2023.06.009>

Saigusa D, Okudaira M, Wang J, Kano K, Kurano M, Uranbileg B, Ikeda H, Yatomi Y, Motohashi H, Aoki J:

Simultaneous Quantification of Sphingolipids in Small Quantities of Liver by LC-MS/MS

Vol. 3 (2014) No. Special_Issue_3 the 62nd MSSJ Annual Conference p. S0046

https://www.jstage.jst.go.jp/article/massspectrometry/3/Special_Issue_3/3_S0046/article

Sakata-Matsuzawa M, Denda-Nagai K, Fujihira H, Noji M, Ishii-Schrade KB, Matsuda A, Kuno A, Okazaki M, Nakai K, Horimoto Y, Saito M, Irimura T :

Glycans unique to the relapse-prone subset within triple-negative breast cancer as revealed by lectin array-based analysis of surgical specimens

PLoS One. 2021 May 11;16(5):e0250747. doi: 10.1371/journal.pone.0250747. eCollection 2021.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0250747>

Sandebing-Matton A, Axenhus M, Bogdanovic N, Winblad B, Schedin-Weiss S, Nilsson P, and Tjernberg LO:

Microdissected Pyramidal Cell Proteomics of Alzheimer Brain Reveals Alterations in Creatine Kinase B-Type, 14-3-3-γ, and Heat Shock Cognate 71

Front. Aging Neurosci., 19 November 2021 | <https://doi.org/10.3389/fnagi.2021.735334>

<https://www.frontiersin.org/articles/10.3389/fnagi.2021.735334/full>

Sansonno, D., Lauletta, G., and Dammacco, F.:

Detection and quantitation of HCV core protein in single hepatocytes by means of laser capture microdissection and enzyme-linked immunosorbent assay

J Viral Hepat 11(1): 27-32 (2004)

<http://onlinelibrary.wiley.com/doi/10.1046/j.1365-2893.2003.00474.x/full>

Sasaki L, Hamada Y, Yarimizu D, Suzuki T, Nakamura H, Shimada A, Nguyen Pham KT, Shao X, Yamamura K, Inatomi T, Morinaga H, Nishimura EK, Kudo F, Manabe I, Haraguchi S, Sugiura Y, Suematsu M, Kinoshita S, Machida M, Nakajima T, Kiyonari H, Okamura H, Yamaguchi Y, Miyake T, and Doi M:

Intracrine activity involving NAD-dependent circadian steroidogenic activity governs age-associated meibomian gland dysfunction

Nat Aging (10 Feb 2022). <https://doi.org/10.1038/s43587-021-00167-8>

<https://www.nature.com/articles/s43587-021-00167-8>

Savic R, Ernest J, Bustion A, Patel A, Sarathy J, Kaya F, Rodriguez S, Strydom N, Silva C, Flori L, Vu H-A, Westergren V, Via L, Dartois V:

Lesion penetration predicts tuberculosis regimen success: a validated translational tool for de-risking late-stage drug development

Research Square, 25th June 2025

<https://doi.org/10.21203/rs.3.rs-6890010/v1>

Schäfer F, Tomar A, Sato S, Teperino R, Imhof A, Lahiri S:

Enhanced in situ spatial proteomics by effective combination of MALDI imaging and LC-MS/MS

Mol Cell Proteomics. 2024 Jul 10:100811. doi: 10.1016/j.mcpro.2024.100811.

<https://doi.org/10.1016/j.mcpro.2024.100811>

Schrader JM, Xu F, Lee H, Barlock B, Benveniste H, Van Nostrand WE:

Emergent White Matter Degeneration in the rTg-DI Rat Model of Cerebral Amyloid Angiopathy Exhibits Unique Proteomic Changes

Am J Pathol. 2021 Dec 8:S0002-9440(21)00526-5. doi: 10.1016/j.ajpath.2021.11.010.

<https://www.sciencedirect.com/science/article/abs/pii/S0002944021005265?v=s5>

Schrader JM, Xu F, Zhu X, Majchrzak M, Davis J, Van Nostrand WE:

Parenchymal and Dyschoric Fibrillar Amyloid Pathology in the rTg-D Rat Model of Cerebral Amyloid Angiopathy Type-2

Am J Pathol. 2025 Jul 17:S0002-9440(25)00241-X. doi: 10.1016/j.ajpath.2025.06.008.

<https://doi.org/10.1016/j.ajpath.2025.06.008>

Schrötter A, Oberhaus A, Kolbe K, Seger S, Mastalski T, El Magraoui F, Hoffmann-Posorske E, Bohnert M, Deckert J, Braun C, Graw M, Schmitz C, Arzberger T, Loosse C, Heinsen H, Meyer HE, Müller T

LMD proteomics provides evidence for hippocampus field-specific motor protein abundance changes with relevance to Alzheimer's disease

Biochim Biophys Acta. 2017 Apr 1. pii: S1570-9639(17)30066-3. doi: 10.1016/j.bbapap.2017.03.013.

[https://linkinghub.elsevier.com/retrieve/pii/S1570-9639\(17\)30066-3](https://linkinghub.elsevier.com/retrieve/pii/S1570-9639(17)30066-3)

Schuld J, Orfanos Z, Chevessier F, Eggers B, Heil L, Uszkoreit J, Unger A, Kirfel G, van der Ven PFM, Marcus K, Linke WA, Clemen CS, Schröder R, Fürst DO:

Homozygous expression of the myofibrillar myopathy-associated p.W2710X filamin C variant reveals major pathomechanisms of sarcomeric lesion formation

Acta Neuropathol Commun. 2020 Sep 4;8(1):154. doi: 10.1186/s40478-020-01001-9.

<https://actaneuromms.biomedcentral.com/articles/10.1186/s40478-020-01001-9>

Schwarz D, Marois ML, Sturm V, Peters AS, Longuespée R, Helm D, Schneider M, Eichmüller B, Hidmark AS, Fischer M, Kender Z, Schwab C, Hausser I, Weis J, Dihlmann S, Böckler D, Bendszus M, Heiland S, Herzig S, Nawroth PP, Szendroedi J, Fleming T:

Exploring Structural and Molecular Features of Sciatic Nerve Lesions in Diabetic Neuropathy: Unveiling Pathogenic Pathways and Targets

Diabetes. 2024 Oct 17;db240493. doi: 10.2337/db24-0493.

<https://doi.org/10.2337/db24-0493>

Schweizer L, Kenny HA, Krishnan R, Kelliher L, Bilecz AJ, Heide J, Donle L, Shimizu A, Metousis A, Mendoza R, Nordmann TM, Rauch S, Richter S, Yan L, Rosenberger FA, Strauss MT, Kurnit KC, Thielert M, Rodriguez E, Müller-Reif JB, Yamada SD, Theis FJ, Mund A, Lastra RR, Mann M, and Lengyei E:

Spatial proteo-transcriptomic profiling reveals the molecular landscape of borderline ovarian tumors and their invasive progression

Cancer Cell, 2025 Aug 11;43(8):1495-1511.e7. doi: 10.1016/j.ccell.2025.06.004.

<https://doi.org/10.1016/j.ccell.2025.06.004>

Schweizer L, Krishnan R, Shimizu A, Metousis A, Kenny H, Mendoza R, Nordmann TM, Rauch S, Kelliher L, Heide J, Rosenberger FA, Bilecz A, Borrego SN, Strauss MT, Thielert M, Rodriguez E, Müller-Reif JB, Chen M, Yamada SD, Mund A, Lastra RR, Mann M, and Lengyei E:

Spatial proteo-transcriptomic profiling reveals the molecular landscape of borderline ovarian tumors and their invasive progression

medRxiv preprint, November 13, 2023

<https://doi.org/10.1101/2023.11.13.23298409>

Seedat F, Holden K, Davis S, Fischer R, Bancroft J, Drydale E, Kandzija N, Todd JA, Vatish M, Stefana MI:

A new paradigm of islet adaptations in human pregnancy: insights from immunohistochemistry and proteomics.

Nat Commun. 2025 Jul 21;16(1):6687. doi: 10.1038/s41467-025-61852-5.

<https://doi.org/10.1038/s41467-025-61852-5>

Seike, M., Kondo, T., Fujii, K., Okano, T., Yamada, T., Matsuno, Y., Gemma, A., Kudoh, S., and Hirohashi, S.:

Proteomic signatures for histological types of lung cancer

Proteomics 5(11): 2939-2948 (2005)

<http://onlinelibrary.wiley.com/doi/10.1002/pmic.200401166/abstract>

Seldin DC and Sancherawala V:

Amyloidomics comes of age

Blood February 23, 2012 vol. 119 no. 8 1795-1796; doi: 10.1182/blood-2011-10-381178

<http://bloodjournal.hematologylibrary.org/content/119/8/1795.full.pdf+html>

Senko D, Zavolskova M, Efimova O, Osetrova M, Stekolshchikova E, Vladimirov G, Nikolaev E, Khaitovich P:

Spatially Resolved Lipid Composition of the Human Brain Cortical Layers

Neurosci Bull. 2025 Aug 29. doi: 10.1007/s12264-025-01486-1.

<https://doi.org/10.1007/s12264-025-01486-1>

Serhatli M, Baysal K, Acilan C, Tuncer E, Bekpinar S, Baykal AT:

Proteomic Study of the Microdissected Aortic Media in Human Thoracic Aortic Aneurysms

J Proteome Res. 2014 Sep 29

<http://dx.doi.org/10.1021/pr5006586>

Sethi S, Dasari S, Plaisier E, Ronco P, Nasr SH, Brocheriou I, Theis JD, Vrana JA, Zimmermann MT, Quint PS, McPhail ED, Kurtin PJ:

Apolipoprotein CII amyloidosis associated with p.Lys41Thr mutation

Kidney International Reports (2018), doi: 10.1016/j.ekir.2018.04.009.
[http://www.kireports.org/article/S2468-0249\(18\)30102-5/pdf](http://www.kireports.org/article/S2468-0249(18)30102-5/pdf)

Sethi S, Fervenza FC, Siddiqui A, Quint PS, Pritt BS:

Leishmaniasis-associated MPGN with massive complement deposition

Kidney International Reports, doi:10.1016/j.ekir.2016.06.003
<http://www.sciencedirect.com/science/article/pii/S2468024916300298>

Sethi S, Fervenza FC, Zhang Y, Zand L, Meyer NC, Borsa N, Nasr SH, Smith RJ:

Atypical postinfectious glomerulonephritis is associated with abnormalities in the alternative pathway of complement

Kidney Int. 2012 Dec 12. doi: 10.1038/ki.2012.384.
<http://dx.doi.org/10.1038/ki.2012.384>

Sethi S, Fervenza FC, Zhang Y, Zand L, Vrana JA, Nasr SH, Theis JD, Dogan A, Smith RJ:

C3 glomerulonephritis: clinicopathological findings, complement abnormalities, glomerular proteomic profile, treatment, and follow-up

Kidney Int. 2012 Jun 6. doi: 10.1038/ki.2012.212.
<http://www.nature.com/ki/journal/vaop/ncurrent/full/ki2012212a.html>

Sethi S, Palma LMP, Theis JD, Fervenza FC:

Proteomic Analysis of Complement Proteins in Glomerular Diseases

Kidney International Reports (2023), S2468-0249(23)00039-6
<https://doi.org/10.1016/j.ekir.2023.01.030>

Sethi S, Quint PS, O'Seaghdha CM, Fervenza FC, Bijol V, Dorman A, Dasari S, Smith RJ, Kurtin PJ, Rennke HG:

C4 Glomerulopathy: A Disease Entity Associated With C4d Deposition

Am J Kidney Dis. 2016 Feb 17. pii: S0272-6386(16)00081-0. doi: 10.1053/j.ajkd.2016.01.012.
[http://linkinghub.elsevier.com/retrieve/pii/S0272-6386\(16\)00081-0](http://linkinghub.elsevier.com/retrieve/pii/S0272-6386(16)00081-0)

Sethi S, Theis JD, Leung N, Dispenzieri A, Nasr SH, Fidler ME, Cornell LD, Gamez JD, Vrana JA, Dogan A:

Mass spectrometry-based proteomic diagnosis of renal immunoglobulin heavy chain amyloidosis

Clin J Am Soc Nephrol. 2010 Dec;5(12):2180-7
<http://cjasn.asnjournals.org/content/5/12/2180.full.pdf+html>

Sethi S, Theis JD, Shiller SM, Nast CC, Harrison D, Rennke HG, Vrana JA, Dogan A:

Medullary amyloidosis associated with apolipoprotein A-IV deposition

Kidney Int. 2011 Sep 7. doi: 10.1038/ki.2011.316.
<http://www.nature.com/ki/journal/vaop/ncurrent/full/ki2011316a.html>

Sethi S, Theis JD, Vrana JA, Fervenza FC, Sethi A, Qian Q, Quint P, Leung N, Dogan A, Nasr SH:

Laser Microdissection and Proteomic Analysis of Amyloidosis, Cryoglobulinemic GN, Fibrillary GN, and Immunotactoid Glomerulopathy

Clin J Am Soc Nephrol. 2013 Feb 14. [Epub ahead of print]
<http://cjasn.asnjournals.org/content/early/2013/02/13/CJN.07030712.abstract>

Sethi S, Theis JD, Quint P, Maierhofer W, Kurtin PJ, Dogan A, Highsmith EW Jr:

Renal Amyloidosis Associated With a Novel Sequence Variant of Gelsolin

Am J Kidney Dis. 2012 Aug 29.
<http://www.ajkd.org/article/S0272-6386%2812%2901042-6/abstract>

Sethi S, Vrana JA, Fervenza FC, Theis JD, Sethi A, Kurtin PJ, Zhang Y, Smith RJ:

Characterization of C3 in C3 glomerulopathy

Nephrol Dial Transplant. 2016 Aug 8. pii: gfw290.

<http://ndt.oxfordjournals.org/cgi/lookup?view=long&pmid=27507892>

Sethi S, Vrana JA, Theis JD, Leung N, Sethi A, Nasr SH, Fervenza FC, Cornell LD, Fidler ME, Dogan A:
Laser microdissection and mass spectrometry-based proteomics aids the diagnosis and typing of renal amyloidosis

Kidney Int. 2012 Apr 11. doi: 10.1038/ki.2012.108.

<http://dx.doi.org/10.1038/ki.2012.108>

Shahmoradian SH, Lewis AJ, Genoud C, Hench J, Moors TE, Navarro PP, Castaño-Díez D, Schweighauser G, Graff-Meyer A, Goldie KN, Sütterlin R, Huisman E, Ingrassia A, Gier Y, Rozemuller AJM, Wang J, Paepe A, Erny J, Staempfli A, Hoernschemeyer J, Großerüschkamp F, Niedieker D, El-Mashtoly SF, Quadri M, Van IJcken WFJ, Bonifati V, Gerwert K, Bohrmann B, Frank S, Britschgi M, Stahlberg H, Van de Berg WDJ, Lauer ME:

Lewy pathology in Parkinson's disease consists of crowded organelles and lipid membranes

Nat Neurosci. 2019 Jul;22(7):1099-1109. doi: 10.1038/s41593-019-0423-2.

<http://dx.doi.org/10.1038/s41593-019-0423-2>

Shi R, Chen Y, Wu W, Diao X, Chen L, Liu X, Wu H, Wang J, Zhu L, Cai Z:

Mass Spectrometry-Based Spatial Multiomics Revealed Bioaccumulation Preference and Region-Specific Responses of PFOS in Mice Cardiac Tissue

Environ Sci Technol. 2025 Jan 22. doi: 10.1021/acs.est.4c09874.

<https://doi.org/10.1021/acs.est.4c09874>

Shimura M, Mizuma M, Takadate T, Katoh Y, Suzuki T, Iseki M, Hata T, Aoki S, Suzuki Y, Sakata N, Ohtsuka H, Hayashi H, Morikawa T, Nakagawa K, Motoi F, Naitoh T, Igarashi K, Sasano H, Unno M:

A novel liver metastasis-correlated protein of pancreatic neuroendocrine neoplasm (PanNEN) discovered by proteomic analysis

Oncotarget. 2018; 9:24291-24303.

<https://doi.org/10.18632/oncotarget.25110>

Shin E, Lee Y, Koo JS:

Differential expression of the epigenetic methylation-related protein DNMT1 by breast cancer molecular subtype and stromal histology

J Transl Med. 2016 Apr 12;14(1):87. doi: 10.1186/s12967-016-0840-x.

<http://translational-medicine.biomedcentral.com/articles/10.1186/s12967-016-0840-x>

Shintani Y, Hayasaka T, Maeda D, Masaki N, Ito TK, Sakuma K, Tanaka M, Kabashima K, Takei S, Setou M, Fukayama M:

Different desmin peptides are distinctly deposited in cytoplasmic aggregations and cytoplasm of desmin-related cardiomyopathy patients

Biochim Biophys Acta. 2017 Mar 21. pii: S1570-9639(17)30048-1. doi: 10.1016/j.bbapap.2017.03.006.

[https://linkinghub.elsevier.com/retrieve/pii/S1570-9639\(17\)30048-1](https://linkinghub.elsevier.com/retrieve/pii/S1570-9639(17)30048-1)

Shintani-Domoto Y, Ishino K, Fujii T, Kitamura T, Teduka K, Naiki H, Sakatani T, and Ohashi R:

Immunohistochemical Diagnosis of Amyloid Typing: Utility and Limitations as Determined by Liquid Chromatography-Tandem Mass Spectrometry

J Nippon Med Sch 2024; 91 (3)

https://doi.org/10.1272/jnms.JNMS.2024_91-304

Sidiqi MH, McPhail ED, Theis JD, Dasari S, Vrana JA, Drosou ME, Leung N, Hayman S, Rajkumar SV, Warsame R, Ansell SM, Gertz MA, Grogan M, Dispenzieri A:

Two types of amyloidosis presenting in a single patient: a case series

Blood Cancer J. 2019 Mar 5;9(3):30. doi: 10.1038/s41408-019-0193-9.

<https://www.nature.com/articles/s41408-019-0193-9.pdf>

Sinha A, Sachs N, Kratz E, Pauli J, Steigenwald S, Albrecht V, Nordmann T, Ugur E, Rodriguez EH, Engl M-L, Skowronek P, von Scheidt M, Winter H, Branzan D, Schunkert H, Maegdefessel L, Mann M:

Spatially resolved proteomic signatures of atherosclerotic carotid artery disease

bioRxiv, 12 Feb 2025

<https://doi.org/10.1101/2025.02.09.25321955>

Sinha N, Zahra T, Gahane AY, Rout B, Bhattacharya A, Basu S, Chakrabarti A, Thakur AK:

Protein reservoirs of seeds are amyloid composites employed differentially for germination and seedling emergence

Plant J. 2023 Oct;116(2):329-346. doi: 10.1111/tpj.16429.

<https://doi.org/10.1111/tpj.16429>

Skandalou E, Rivedal M, Marti HP, Halden TAS, Jenssen T, Vikse BE, Åsberg A, Furriol J:

Proteome of Renal Tubuli and Serum Differentiate Pre-Existing Type 2 Diabetes and Post-Transplant Diabetes in Kidney Transplant Recipients

Proteomics Clin Appl. 2025 Feb 24:e70000. doi: 10.1002/prca.70000.

<https://doi.org/10.1002/prca.70000>

Soltis AR, Bateman NW, Liu J, Nguyen T, Franks TJ, Zhang X, Dalgard CL, Viollet C, Somiari S, Yan C, Zeman K, Skinner WJ, Lee JSH, Pollard HB, Turner C, Petricoin EF, Meerzaman D, Conrads TP, Hu H; APOLLO Research Network, Shriver CD, Moskaluk CA, Browning RF Jr, Wilkerson MD:

Proteogenomic analysis of lung adenocarcinoma reveals tumor heterogeneity, survival determinants, and therapeutically relevant pathways

Cell Rep Med. 2022 Nov 15;3(11):100819. doi: 10.1016/j.xcrm.2022.100819.

<https://doi.org/10.1016/j.xcrm.2022.100819>

Somiari, R.I., Somiari, S., Russell, S., and Shriver, C.D.:

Proteomics of breast carcinoma

J Chromatogr B Analyt Technol Biomed Life Sci 815(1-2): 215-225 (2005)

<http://dx.doi.org/10.1016/j.jchromb.2004.11.012>

Srivastava S:

Designing and sample size calculation in presence of heterogeneity in biological studies involving high-throughput data

Thesis, Aug 2019

<https://ir.library.louisville.edu/cgi/viewcontent.cgi?article=4485&context=etd>

Srivastava S, Merchant M, Rai A, Rai SN:

Standardizing Proteomics Workflow for Liquid Chromatography-Mass Spectrometry: Technical and Statistical Considerations

J Proteomics Bioinform 12: 048-055. doi: 10.4172/0974-

276X.1000496

<https://www.longdom.org/open-access/standardizing-proteomics-workflow-for-liquid-chromatographymass-spectrometry-technical-and-statistical-considerations.pdf>

Stanisavljevic A, Schrader JM, Zhu X, Mattar JM, Hanks A, Xu F, Majchrzak M, Robinson JK and Van Nostrand WE:

Impact of Non-pharmacological Chronic Hypertension on a Transgenic Rat Model of Cerebral Amyloid Angiopathy

Front. Neurosci., 15 March 2022 | <https://doi.org/10.3389/fnins.2022.811371>

<https://doi.org/10.3389/fnins.2022.811371>

Stephan C, Reidegeld KA, Hamacher M, van Hall A, Marcus K, Taylor C, Jones P, Müller M, Apweiler R, Martens L, Körting G, Chamrad DC, Thiele H, Blüggel M, Parkinson D, Binz PA, Lyall A, Meyer HE:

New mass spectrometric tools in brain research

Proteomics. 2006 Sep;6(18):5015-29.

<http://dx.doi.org/10.1016/j.trac.2010.06.009>

Strack R.:

Spatial proteomics with subcellular resolution.

Nat Methods. 2022. PMID: 35804240

<https://www.nature.com/articles/s41592-022-01554-8>

Strydom N, Ernest JP, Imperial M, Solans BP, Wang Q, Tasneen R, Tyagi S, Soni H, Garcia A, Bigelow K, Gengenbacher M, Zimmerman M, Xie M, Sarathy JP, Yang TJ, Dartois V, Nuernberger EL, Savic RM:

Dose optimization of TBI-223 for enhanced therapeutic benefit compared to linezolid in antituberculosis regimen

Nat Commun. 2024 Aug 25;15(1):7311. doi: 10.1038/s41467-024-50781-4.

<https://doi.org/10.1038/s41467-024-50781-4>

Sturtz LA, Wang G, Shah P, Searfoss R, Raj-Kumar P-K, Hooke JA, Fantacone-Campbell JL, Deyarmin B, Cutler ML, Sarangarajan R, Narain NR, Kiebish MA, Kovatich AJ, Shriver CD:

Comparative analysis of differentially abundant proteins quantified by LC-MS/MS between flash frozen and laser microdissected OCT-embedded breast tumor samples

Clin Proteom 17, 40 (7 Nov 2020).

<https://doi.org/10.1186/s12014-020-09300-y>

Su Z, Zhang H, Hu H, Yang Y, Huang C, Liu C, He F, Chen W:

High-Efficiency Cell-Type Proteomics Strategy Deciphers Cholangiocarcinoma Fibrosis-Associated Pathological Heterogeneity

Anal Chem. 2025 Mar 3. doi: 10.1021/acs.analchem.4c06106.

<https://doi.org/10.1021/acs.analchem.4c06106>

Sueyama Y, Kaneko T, Ito T, Kaneko R, Okiji T:

Implantation of Endothelial Cells with Mesenchymal Stem Cells Accelerates Dental Pulp Tissue Regeneration/Healing in Pulpotomized Rat Molars

J Endod. 2017 Apr 14. pii: S0099-2399(17)30150-4. doi: 10.1016/j.joen.2017.01.035.

<http://www.sciencedirect.com/science/article/pii/S0099239917301504>

Sui Y, Zhu R, Hu W, Zhang W, Zhu H, Gong M, Gao L, Cao T, Tang T, Yu B, Yang T:

Phage display screening identifies a prostate specific antigen (PSA)-lo prostate cancer cell specific peptide to retard castration resistance of prostate cancer

Transl Oncol. 2021 Jan 25;14(3):101020. doi: 10.1016/j.tranon.2021.101020.

<https://www.sciencedirect.com/science/article/pii/S1936523321000127>

Sun W, Sun J, Zou L, Shen K, Zhong D, Zhou D, Sun W, Li J:

The Successful Diagnosis and Typing of Systemic Amyloidosis Using A Microwave-Assisted Filter-Aided Fast Sample Preparation Method and LC/MS/MS Analysis

PLoS One. 2015 May 18;10(5):e0127180. doi: 10.1371/journal.pone.0127180. eCollection 2015.

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0127180>

Sundaresan S, Meininger CA, Kang AJ, Photenhauer AL, Hayes MM, Sahoo

N, Grembecka J, Cierpicki T, Ding L, Giordano TJ, Else T, Madrigal DJ, Low MJ, Campbell F, Baker A-M, Xu H, Wright NA, Merchant JL:

Gastrin Induces Nuclear Export and Proteasome Degradation of Menin in Enteric Glial Cells

Gastroenterology (2017), doi: 10.1053/j.gastro.2017.08.038.

[https://linkinghub.elsevier.com/retrieve/pii/S0016-5085\(17\)36071-7](https://linkinghub.elsevier.com/retrieve/pii/S0016-5085(17)36071-7)

Suzuki Y, Takadate T, Mizuma M, Shima H, Suzuki T, Tachibana T, Shimura M, Hata T, Iseki M, Kawaguchi K, Aoki T, Hayashi H, Morikawa T, Nakagawa K, Motoi F, Naitoh T, Igarashi K, Unno M:
Stromal expression of hemopexin is associated with lymph-node metastasis in pancreatic ductal adenocarcinoma

PLoS One. 2020 Jul 14;15(7):e0235904. doi: 10.1371/journal.pone.0235904. eCollection 2020.
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0235904>

Sweet S, Chain D, Yu W, Martin P, Rebelatto M, Chambers A, Cecchi F, Kim YJ:
High-Field Asymmetric Waveform Ion Mobility Spectrometry and Parallel Reaction Monitoring Increases Sensitivity for Clinical Biomarker Quantitation from Formalin-Fixed, Paraffin-Embedded Tumor Biopsies

bioRxiv, 10 Feb 2022, doi: <https://doi.org/10.1101/2022.02.08.479554>
<https://www.biorxiv.org/content/10.1101/2022.02.08.479554v1>

Sweet S, Chain D, Yu W, Martin P, Rebelatto M, Chambers A, Cecchi F, Kim YJ:
The addition of FAIMS increases targeted proteomics sensitivity from FFPE tumor biopsies
Sci Rep. 2022 Aug 16;12(1):13876. doi: 10.1038/s41598-022-16358-1.
<https://www.nature.com/articles/s41598-022-16358-1>

Tachikawa M, Sumiyoshiya Y, Saigusa D, Sasaki K, Watanabe M, Uchida Y, Terasaki T :
Liver zonation index of drug transporter and metabolizing enzyme protein expressions in mouse liver acinus

Drug Metab Dispos. 2018 Mar 5. pii: dmd.117.079244. doi: 10.1124/dmd.117.079244.
<http://dmd.aspetjournals.org/content/dmd/early/2018/03/05/dmd.117.079244.full.pdf?with-ds=yes>

Takadate T, Onogawa T, Fujii K, Motoi F, Mikami S, Fukuda T, Kihara M, Suzuki T, Takemura T, Minowa T, Hanagata N, Kinoshita K, Morikawa T, Shirasaki K, Rikiyama T, Katayose Y, Egawa S, Nishimura T and Unno M:

Nm23/Nucleoside Diphosphate Kinase-A as a Potent Prognostic marker in Invasive Pancreatic Ductal Carcinoma Identified by Proteomic Analysis of Laser Micro-dissected Formalin-Fixed Paraffin-Embedded Tissue

Clinical Proteomics 2012, 9:8 doi:10.1186/1559-0275-9-8
<http://www.clinicalproteomicsjournal.com/content/9/1/8/abstract>

Takadate T, Onogawa T, Fukuda T, Motoi F, Suzuki T, Fujii K, Kihara M, Mikami S, Bando Y, Maeda S, Ishida K, Minowa T, Hanagata N, Ohtsuka H, Katayose Y, Egawa S, Nishimura T, Unno M:

Novel prognostic protein markers of resectable pancreatic cancer identified by coupled shotgun and targeted proteomics using formalin-fixed paraffin-embedded tissues

Int J Cancer. 2012 Aug 23. doi: 10.1002/ijc.27797.
<http://dx.doi.org/10.1002/ijc.27797>

Takenami T, Maeda S, Karasawa H, Suzuki T, Furukawa T, Morikawa T, Takadate T, Hayashi H, Nakagawa K, Motoi F, Naitoh T, Unno M:

Novel biomarkers distinguishing pancreatic head Cancer from distal cholangiocarcinoma based on proteomic analysis

BMC Cancer. 2019 Apr 5;19(1):318. doi: 10.1186/s12885-019-5548-x.
<https://bmccancer.biomedcentral.com/articles/10.1186/s12885-019-5548-x>

Tan X, Liao L, Wan YP, Li MX, Chen SH, Mo WJ, Zhao QL, Huang LF, Zeng GQ:

Downregulation of selenium-binding protein 1 is associated with poor prognosis in lung squamous cell carcinoma

World J Surg Oncol. 2016 Mar 8;14(1):70. doi: 10.1186/s12957-016-0832-6.
<http://wjso.biomedcentral.com/articles/10.1186/s12957-016-0832-6>

Tan YC, Low TY, Lee PY, Lim LC:

Single-cell proteomics by mass spectrometry: Advances and implications in cancer research

Proteomics. 2024 May 10:e2300210. doi: 10.1002/pmic.202300210.

<https://doi.org/10.1002/pmic.202300210>

Tang T, Li CH, Li DS, Jing SX, Hua J, Luo SH, Liu Y, Li SH

Peltate glandular trichomes of *Colquhounia vestita* harbor diterpenoid acids that contribute to plant adaptation to UV radiation and cold stresses

Phytochemistry. 2020 Feb 5;172:112285. doi: 10.1016/j.phytochem.2020.112285.

[https://linkinghub.elsevier.com/retrieve/pii/S0031-9422\(19\)31021-0](https://linkinghub.elsevier.com/retrieve/pii/S0031-9422(19)31021-0)

Tanimizu H, Hara R, Sekine A, Inoue N, Hasegawa E, Tanaka K, Kono K, Kinowaki K, Ohashi K, Okubo M, Yamaguchi Y, Kang D, Honda K, Saito T, Sawa N, Ubara Y, Hoshino J:

Apolipoprotein E-associated Lipoprotein Glomerulo-tubulopathy

Intern Med. 2023;62(15):2209-2214. doi: 10.2169/internalmedicine.0834-22. Epub 2023 Aug 1.

<https://doi.org/10.2169/internalmedicine.0834-22>

Tasaki M, Ueda M, Hoshii Y, Mizukami M, Matsumoto S, Nakamura M, Yamashita T, Ueda A, Misumi Y, Masuda T, Inoue Y, Torikai T, Nomura T, Tsuda Y, Kanenawa K, Isoguchi A, Okada M, Matsui H, Obayashi K, Ando Y:

A novel age-related venous amyloidosis derived from EGF-containing fibulin-like extracellular matrix protein 1

Pathology, 22 Nv 2018, doi: 10.1002/path.5203

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/path.5203>

Taylor GW, Gilbertson JA, Sayed R, Blanco A, Rendell NB, RowczenioD, Rezk T, Mangione PP, Canetti D, Bass P, Hawkins PN, Gillmore JD:

Proteomic analysis for the diagnosis of fibrinogen A α -chain amyloidosis

Kidney International Reports (2019 Apr 15), doi: <https://doi.org/10.1016/j.ekir.2019.04.007>.

<https://www.sciencedirect.com/science/article/pii/S2468024919301548#!>

Tekin B, Dasari S, Theis JD, Vrana JA, Murray DL, Oglesbee D, Thompson RH, Leibovich BC, Boorjian SA, Whaley RD, Hernandez LH, Jimenez RE, Cheville JC, Karnes RJ, Sukov WR, Gupta S:

Mass Spectrometry-Based Assessment of Prostate Cancer-Associated Crystalloids Reveals Enrichment for Growth & Differentiation Factor 15 (GDF15)

Hum Pathol. 2023 Mar 9:S0046-8177(23)00050-3. doi: 10.1016/j.humpath.2023.03.001.

<https://doi.org/10.1016/j.humpath.2023.03.001>

Tekin B, Gilani SI, Dasari S, Theis JD, Rech KL, Dao LN, Cubilla AL, Herrera Hernandez LP, Jimenez RE, Cheville JC, Dispenzieri A, Howard MT, McPhail ED, Erickson LA, Guo R, Gupta S:

Proteomic and Clinicopathologic Assessment of Penile Amyloidosis : A Single Institutional Review of 12 Cases

Am J Clin Pathol. 2023 May 18:aqad054. doi: 10.1093/ajcp/aqad054.

<https://doi.org/10.1093/ajcp/aqad054>

Terrier B, Colombat M, Beugnet C, Quéant A, London J, Daudin JB, Le Jeune C, Mouthon L, Monnet D, Cauquil C, Lacroix C, Adams D, Brézin A, Valleix S:

Vitreous amyloidosis with autonomic neuropathy of the digestive tract associated with a novel transthyretin p.Gly87Arg variant in a Bangladeshi patient: a case report

J Med Case Rep. 2017 Aug 13;11(1):222. doi: 10.1186/s13256-017-1407-z.

<https://jmedicalcasereports.biomedcentral.com/articles/10.1186/s13256-017-1407-z>

Theis JD, Dasari S, Vrana JA, Kurtin PJ, Dogan A:

Shotgun-proteomics-based clinical testing for diagnosis and classification of amyloidosis

J. Mass Spectrom., Volume 48, Issue 10, 1096-9888

<http://dx.doi.org/10.1002/jms.3264>

Thienel M, Müller-Reif JB, Zhang Z, Ehreiser V, Huth J, Shchurovska K, Kilani B, Schweizer L, Geyer PE, Zwiebel M, Novotny J, Lüsebrink E, Little G, Orban M, Nicolai L, El Nemr S, Titova A, Spannagl M, Kindberg J, Evans AL, Mach O, Vogel M, Tiedt S, Ormanns S, Kessler B, Dueck A, Friebe A, Jørgensen PG, Majzoub-Altweck M, Blutke A, Polzin A, Stark K, Käab S, Maier D, Gibbins JM, Limper U, Frobert O, Mann M, Massberg S, Petzold T:

Immobility-associated thromboprotection is conserved across mammalian species from bear to human

Science. 2023 Apr 14;380(6641):178-187. doi: 10.1126/science.abo5044.

<https://doi.org/10.1126/science.abo5044>

Tominaga K, Toda E, Takeuchi K, Takakuma S, Sakamoto E, Kuno H, Kajimoto Y, Terasaki Y, Kunugi S, Terasaki M, Goto H, Imakiire T, Oshima N, Shimizu A:

Myeloperoxidase-associated membranous nephropathy in anti-neutrophil cytoplasmic antibody-associated glomerulonephritis

Kidney International Reports, 23 April 2024

<https://doi.org/10.1016/j.ekir.2024.04.041>

Toriu N, Sawa N, Hiramatsu R, Mizuno H, Ikuma D, Sekine A, Hayami N, Sumida K, Yamanouchi M, Hasegawa E, Hoshino J, Takaichi K, Wake A, Ohashi K, Fujii T, Ubara Y

Regression of renal amyloid deposits by VAD therapy plus autologous stem cell transplantation in a patient with primary AL amyloidosis

CEN Case Rep. 2019 Sep 14. doi: 10.1007/s13730-019-00416-1.

<https://dx.doi.org/10.1007/s13730-019-00416-1>

Tretiakova MS, Shabani-Rad MT, Guggisberg K, Hart J, Anders RA, Gao ZH:

Genomic and immunophenotypical differences between hepatocellular carcinoma with and without cirrhosis

Histopathology 56(6):683-93 (2010)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2559.2010.03554.x/full>

Tsuruyama T, Kakimoto Y, Yajima Y:

Application of Mass Spectrometry for Identification of Biomarkers in Formaldehyde-Fixed Paraffin Embedded Specimens

Austin Biomark Diagn. 2014;1(1): 3

<http://austinpublishinggroup.com/biomarkers/fulltext/biomarkers-v1-id1005.pdf>

Ushio-Yamana H, Minegishi S, Ishigami T, Araki N, Umemura M, Tamura K, Maeda E, Kakizoe Y, Kitamura K, Umemura S:

Renin Angiotensin Antagonists Normalize Aberrant Activation of Epithelial Sodium Channels in Sodium-Sensitive Hypertension

Nephron Exp Nephrol. 2013 Apr 9;122(3-4):95-102.

<http://www.karger.com/Article/FullText/348660>

Valdes DS, Nimo J, Nonn, O, Ulrich J, Forstner D, Haider S, Ressler M, Pignitter M, Muller DN, Dechend R, Gauster M, Coscia F, Herse F:

Maternal smoking in early pregnancy disrupts placental function through syncytiotrophoblast and macrophage dysregulation

bioRxiv, July 15, 2025.

<https://doi.org/10.1101/2025.07.10.664172>

Valleix S, Gillmore JD, Bridoux F, Mangione PP, Dogan A, Nedelec B, Boimard M, Touchard G, Goujon JM, Lacombe C, Lozeron P, Adams D, Lacroix C, Maisonobe T, Planté-Bordeneuve V, Vrana JA, Theis JD, Giorgetti S, Porcari R, Ricagno S, Bolognesi M, Stoppini M, Delpech M, Pepys MB, Hawkins PN, Bellotti V:

Hereditary systemic amyloidosis due to Asp76Asn variant β 2-microglobulin

N Engl J Med. 2012 Jun 14;366(24):2276-83

<http://www.nejm.org/doi/full/10.1056/NEJMoa1201356>

Valleix S, Verona G, Jourde-Chiche N, Nédelec B, Mangione PP, Bridoux F, Mangé A, Dogan A, Goujon JM, Lhomme M, Dauteuille C, Chabert M, Porcari R, Waudby CA, Relini A, Talmud PJ, Kovrov O, Olivecrona G, Stoppini M, Christodoulou J, Hawkins PN, Grateau G, Delpech M, Kontush A, Gillmore JD, Kalopissis AD, Bellotti V:

D25V apolipoprotein C-III variant causes dominant hereditary systemic amyloidosis and confers cardiovascular protective lipoprotein profile

Nat Commun. 2016 Jan 21;7:10353. doi: 10.1038/ncomms10353.

<http://dx.doi.org/10.1038/ncomms10353>

van Delft P:

Mechanotransduction in migrating cortical interneurons during neurogenesis

thesis, 2025

<http://hdl.handle.net/2268.2/23270>

Varga-Zsíros V, Migh E, Marton A, Kóta Z, Vizler C, Tiszlavicz L, Horváth P, Török Z, Vigh L, Balogh G and Péter M:

Development of a Laser Microdissection-Coupled Quantitative Shotgun Lipidomic Method to Uncover Spatial Heterogeneity

Cells 2023, 12(3), 428; <https://doi.org/10.3390/cells12030428>

<https://www.mdpi.com/2073-4409/12/3/428#>

Vermeulen I:

Multi-omics in drug discovery and development

Doctoral Thesis, Maastricht University, 2024

<https://doi.org/10.26481/dis.20241203iv>

Vermeulen I, Mohren R, Neusinger M, Dancker TA, Vandenbosch M, Beckervordersandforth J, Balluff B, Van der Hel RP, Schijns OEMG, Hoogland G, Rijkers K, Cillero-Pastor B; ACE epilepsy surgery group:

Toward molecular phenotyping of temporal lobe epilepsy by spatial omics

Epilepsia. 2025 Mar 20. doi: 10.1111/epi.18366

<https://doi.org/10.1111/epi.18366>

Vermeulen I, Rodriguez-Alvarez N, François L, Viot D, Poosti F, Aronica E, Dedeurwaerdere S, Barton P, Cillero-Pastor B, Heeren RMA:

Spatial omics reveals molecular changes in focal cortical dysplasia type II

Neurobiol Dis. 2024 Apr 2;106491. doi: 10.1016/j.nbd.2024.106491.

<https://doi.org/10.1016/j.nbd.2024.106491>

Vieujean S, Hu S, Bequet E, Salee C, Massot C, Bletard N, Pierre N, Quesada Calvo F, Baiwir D, Mazzucchelli G, De Pauw E, Coimbra Marques C, Delvenne P, Rieder F, Louis E, Meuwis MA:

Potential Role of Epithelial Endoplasmic Reticulum Stress and Anterior Gradient Protein 2 Homolog in Crohn's Disease Fibrosis

J Crohns Colitis. 2021 Apr 2;jjab061. doi: 10.1093/ecco-jcc/jjab061.

<https://academic.oup.com/ecco-jcc/advance-article/doi/10.1093/ecco-jcc/jjab061/6208272>

Villarreal JC, Kow K, Pham B, Egatz-Gomez A, Sandrin TR, Coleman PD, Ros A:

Intracellular Amyloid- β Detection from Human Brain Sections Using a Microfluidic Immunoassay in Tandem with MALDI-MS

Anal Chem. 2023 Mar 9. doi: 10.1021/acs.analchem.2c03825.

<https://doi.org/10.1021/acs.analchem.2c03825>

Vincenti DC and Murray GI

The proteomics of formalin-fixed wax-embedded tissue

Clinical Biochemistry, epub 9 Oct 2012, ISSN 0009-9120, 10.1016/j.clinbiochem.2012.10.002.

<http://www.sciencedirect.com/science/article/pii/S0009912012005577?v=s5>

von Eggeling F, Hoffmann F:

Microdissection – an essential prerequisite for spatial cancer omics

Proteomics. 2020 Jun 23;e2000077. doi: 10.1002/pmic.202000077.

<https://doi.org/10.1002/pmic.202000077>

Vrana JA, Gamez JD, Madden BJ, Theis JD, Bergen HR 3rd, Dogan A:

Classification of amyloidosis by laser microdissection and mass spectrometry-based proteomic analysis in clinical biopsy specimens

Blood 114(24): 4957-9 (2009)

<http://bloodjournal.hematologylibrary.org/content/114/24/4957.short>

Vrana JA, Theis JD, Wegwerth PJ, Dasari S, Madden B, Nasr SH, Fidler M, McPhail ED, Fervenza FC, Sethi S:

A reliable clinical test for detection of membranous nephropathy antigens using laser microdissection and mass spectrometry

Kidney International (2024), doi: <https://doi.org/10.1016/j.kint.2024.07.031>

<https://doi.org/10.1016/j.kint.2024.07.031>

Wagner F:

Genexpressionsstudien zur Etablierung der adulten murinen organotypischen Retinakultur als Modell für gentherapeutische Ansätze

Thesis (German language), July 2019

http://geb.uni-giessen.de/geb/volltexte/2019/14890/pdf/WagnerFranziska_2019_10_10.pdf

Wang D, Wu P, Yang Z, Yu C, Li Q, Zhang R, Yang Y, Liu Y, Zhang W, Zhou X, Zhu D, Zhan Z, Li W:

Accurate diagnosis of early-stage lung cancer by targeting lipid droplets with a two-photon near-infrared fluorescence probe

Sensors and Actuators B: Chemical, Volume 426, 2025, 137023, ISSN 0925-4005, doi:

10.1016/j.snb.2024.137023

<https://doi.org/10.1016/j.snb.2024.137023>

Wang J, Kano K, Saigusa D, Aoki J:

Measurement of the Spatial Distribution of S1P in Small Quantities of Tissues: Development and Application of a Highly Sensitive LC-MS/MS Method Combined with Laser Microdissection

Mass Spectrom (Tokyo). 2019;8(1):A0072. doi: 10.5702/massspectrometry.A0072.

https://www.jstage.jst.go.jp/article/massspectrometry/8/1/8_A0072/_pdf

Wang K, Liu R, Li L, Duan X, Zhao X, Cong H, Gao X, Yin K, Gao Z, Zhou Z:

Development of a novel targeted LC-MS/MS Methods for the typing of cardiac amyloidosis

Analytica Chimica Acta, 18 July 2025, 344453

<https://doi.org/10.1016/j.aca.2025.344453>

Wang Q, Yang Q, Li M, Zhang Y, Cai Y, Liang X, Fu Y, Xiao Z, Zhou M, Xie Z, Huang H, Huang Y, Chen Y, He Q, Peng F, Chen Z:

Quantitative proteomic profiling of tumor-associated vascular endothelial cells in colorectal cancer

bioRxiv preprint first posted online Feb. 26, 2019

<https://www.biorxiv.org/content/10.1101/561555v1>

Wang X, Wang F, Iyer AS, Knight H, Duggan LJ, Yang Y, Jin L, Cui B, He Y, Schejbal J, Philips LA, Harvey BP, Sisó S, and Tian Y:

Integrative Spatial Proteomics and Single-Cell RNA Sequencing Unveil Molecular Complexity in Rheumatoid Arthritis for Novel Therapeutic Targeting

Proteomes 2025, 13(2), 17; <https://doi.org/10.3390/proteomes13020017>

<https://doi.org/10.3390/proteomes13020017>

Wang X, Zhang Y, Jin Y, Dai L, Yue Y, Hu J, Liu X, Pang K, Ye S, Chen Y, Ye W, Shi X, Ma X, Guo L, Liu Y, Ta N, Zhu X, Lin L, Wang J, Yan R, Wang P, Song X, Zhou Y, Zhou L, Wang Q, Guan T, Li T, Zhou L, Pan W, He Y, Wu X, Xu Y, Yang L, Xu H:

An iPSC-derived CD19/BCMA CAR-NK therapy in a patient with systemic sclerosis

Cell. 2025 Jun 16:S0092-8674(25)00625-7. doi: 10.1016/j.cell.2025.05.038.

<https://doi.org/10.1016/j.cell.2025.05.038>

Wang Y, Ito S, Chino Y, Goto D, Matsumoto I, Murata H, Tsutsumi A, Hayashi T, Uchida K, Usui J, Yamagata K, Sumida T:

Laser microdissection-based analysis of cytokine balance in the kidneys of patients with lupus nephritis

Clin Exp Immunol 159(1):1-10 (2010)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2249.2009.04031.x/full>

Wang Y, Lih TM, Lee JW, Ohtsuka T, Hozaka Y, Mino-Kenudson M, Adsay NV, Luchini C, Scarpa A, Maker AV, Kim GE, Paulino J, Chen L, Woo J, Jiao L, Sun Z, Goodman D, Pflüger MJ, Roberts NJ, Matthaei H, Goggins MG, Wood LD, Furukawa T, Zhang H, Hruban RH:

Multi-omic profiling of intraductal papillary neoplasms of the pancreas reveals distinct patterns and potential markers of progression

Cancer Cell. 2025 Aug 26:S1535-6108(25)00332-0. doi: 10.1016/j.ccell.2025.08.001.

<https://doi.org/10.1016/j.ccell.2025.08.001>

Wang Y, Liu Y-C, Li W-Y, Guo K, Liu Y, Li S-H:

Antifeedant, cytotoxic, and anti-inflammatory neo-clerodane diterpenoids in the peltate glandular trichomes and fresh leaves of *Ajuga forrestii*

Phytochemistry, Volume 186, June 2021, 112731

<https://doi.org/10.1016/j.phytochem.2021.112731>

Wang Y, Luo SH, Hua J, Liu Y, Jing SX, Li XN, Li SH:

Capitate Glandular Trichomes of *Paragutzlaffia henryi* Harbor New Phytotoxic Labdane Diterpenoids

J Agric Food Chem. 2015 Oct 29.

<http://dx.doi.org/10.1021/acs.jafc.5b04113>

Wang YE, Zeng WL, Cao ST, Zou JP, Liu CT, Shi JM, Li J, Qiu F, Wang Y:

Development of a sample preparation method for micro-proteomics analysis of the formaldehyde-fixed paraffin-embedded liver tissue samples

Talanta. 2023 Aug 23;266(Pt 2):125106. doi: 10.1016/j.talanta.2023.125106

<https://doi.org/10.1016/j.talanta.2023.125106>

Wang Z, Zhang Z, Li Y, Zhang Y, Wei M, Li H, Yang S, Zhou Y, Zhou X, Xing G:

Endothelial-derived complement factor D contributes to endothelial dysfunction in malignant nephrosclerosis via local complement activation

Hypertens Res. 2023 May 15:1-12. doi: 10.1038/s41440-023-01300-3.

<https://doi.org/10.1038/s41440-023-01300-3>

Watanabe K, Takayama S, Yamada T, Hashimoto M, Tadano J, Nakagawa T, Watanabe T, Fukusaki E, Miyawaki I, Shimma S:

Novel mimetic tissue standards for precise quantitative mass spectrometry imaging of drug and neurotransmitter concentrations in rat brain tissues

Anal Bioanal Chem. 2024 Aug 10. doi: 10.1007/s00216-024-05477-5.

<https://doi.org/10.1007/s00216-024-05477-5>

Weiss CAM, Brown LA, Miranda L, Pelizzoni P, Ben-Moshe S, Steigerwald S, Remmert K, Hernandez J, Borgwardt K, Rosenberger FA, Porat-Shliom N, Mann M:

Single cell spatial proteomics maps human liver zonation patterns and their vulnerability to fibrosis

bioRxiv, 13. April 2025

<https://doi.org/10.1101/2025.04.13.648568>

Willem M, Tahirovic S, Busche MA, Ovsepien SV, Chafai M6, Kootar S, Hornburg D, Evans LD, Moore S, Daria A, Hampel H, Müller V, Giudici C, Nuscher B, Wenninger-Weinzierl A, Kremmer E, Heneka MT, Thal DR, Giedraitis V, Lannfelt L, Müller U, Livesey FJ, Meissner F, Herms J, Konnerth A, Marie H, Haass C:

η -Secretase processing of APP inhibits neuronal activity in the hippocampus

Nature. 2015 Oct 15;526(7573):443-7. doi: 10.1038/nature14864.

<http://dx.doi.org/10.1038/nature14864>

Wilson, K.E., Marouga, R., Prime, J.E., Pashby, D.P., Orange, P.R., Crosier, S., Keith, A.B., Lathe, R., Mullins, J., Estibeiro, P., Bergling, H., Hawkins, E., and Morris, C.M.:

Comparative proteomic analysis using samples obtained with laser microdissection and saturation dye labelling

Proteomics 5(15): 3851-3858 (2005)

<http://onlinelibrary.wiley.com/doi/10.1002/pmic.200401255/abstract>

Winkler S, Bateman N, Conrads K, Hood B, Darcy K, Tarney C, Phippen N, Casablanca Y, Baker T, Conrads T, Maxwell G:

Proteomic analysis of uterine smooth muscle tumors and rare uterine fibroid variants (120)

Abstracts / Gynecologic Oncology 166/S1 (2022) S3–S291

[https://doi.org/10.1016/S0090-8258\(22\)01346-4](https://doi.org/10.1016/S0090-8258(22)01346-4)

Winter L, Wittig I, Peeva V, Eggers B, Heidler J, Chevessier F, Kley RA, Barkovits K, Strecker V, Berwanger C, Herrmann H, Marcus K, Kornblum C, Kunz WS, Schröder R, Clemen CS:

Mutant desmin substantially perturbs mitochondrial morphology, function and maintenance in skeletal muscle tissue

Acta Neuropathol. 2016 Jul 8.

<http://dx.doi.org/10.1007/s00401-016-1592-7>

Wong KK, Bateman NW, Ng CW, Tsang YTM, Sun CS, Celestino J, Nguyen TV, Malpica A, Hillman RT, Zhang J, Futreal PA, Rojas C, Conrads KA, Hood BL, Dalgard CL, Wilkerson MD, Phippen NT, Conrads TP, Maxwell GL, Sood AK, Gershenson DM:

Integrated multi-omic analysis of low-grade ovarian serous carcinoma collected from short and long-term survivors

J Transl Med. 2022 Dec 17;20(1):606. doi: 10.1186/s12967-022-03820-x.

<https://doi.org/10.1186/s12967-022-03820-x>

Wünnemann F, Sicklinger F, Bestak K, Nimo J, Thiemann T, Amrute J, Nordbeck M, Hartmann N, Ibarra-Arellano MA, Tanevski J, Heine C, Frey N, Lavine KJ, Coscia F, Saez-Rodriguez J, Leuschner F, Schapiro D:

Spatial omics of acute myocardial infarction reveals a novel mode of immune cell infiltration

bioRxiv preprint, May 21, 2024

<https://doi.org/10.1101/2024.05.20.594955>

Xiao CJ, Liu YC, Luo SH, Hua J, Liu Y, Li SH:

Localisation of Two Bioactive Labdane Diterpenoids in the Peltate Glandular Trichomes of *Leonurus japonicus* by Laser Microdissection Coupled with UPLC-MS/MS

Phytochem Anal. 2017 May 9. doi: 10.1002/pca.2687.

<http://onlinelibrary.wiley.com/doi/10.1002/pca.2687/full>

Xiao M, Chi X, Zhu X, Xu Z, Zou Y, Peng Y, Luan S, Dong J, Dai Y, Yin L:

Proteomic analysis of laser captured tubular tissues reveals complement activation and mitochondrial dysfunction in autoimmune related kidney diseases

Sci Rep. 2024 Aug 20;14(1):19311. doi: 10.1038/s41598-024-70209-9.

<https://doi.org/10.1038/s41598-024-70209-9>

Xiao Y, Zhang H, Li Z, Huang T, Akihiro T, Xu J, Xu H, Lin F:

An amino acid transporter-like protein (OsATL15) facilitates the systematic distribution of thiamethoxam in rice for controlling the brown planthopper

Plant Biotechnol J. 2022 Jun 9. doi: 10.1111/pbi.13869.

<https://onlinelibrary.wiley.com/doi/pdf/10.1111/pbi.13869>

Xie L, Kong Q, Ai M, He A, Yao B, Zhang L, Zhang K, Zhu C, Li Y, Xia L, Tian R, Xu R:

Spatial Proteomic Profiling of Colorectal Cancer Revealed Its Tumor Microenvironment Heterogeneity

J Proteome Res. 2024 Aug 2;23(8):3342-3352. doi: 10.1021/acs.jproteome.3c00719.

<https://doi.org/10.1021/acs.jproteome.3c00719>

Xie W, Zhang H, Zeng J, Chen H, Zhao Z, Liang Z:

Tissues-based chemical profiling and semi-quantitative analysis of bioactive components in the root of *Salvia miltiorrhiza* Bunge by using laser microdissection system combined with UPLC-q-TOF-MS

Chem Cent J. 2016 Jul 13;10:42. doi: 10.1186/s13065-016-0187-7. eCollection 2016.

<http://www.journal.chemistrycentral.com/content/10/42>

Xu C, Wang X, Han J, Gu Z, Guo Q:

LMD and LC-MS-based chemical constituents and pharmacological effects assessment for two different processing methods of the root of *Paeonia lactiflora* Pall

Journal of Pharmaceutical and Biomedical Analysis, 27 April 2024, 116184

<https://doi.org/10.1016/j.jpba.2024.116184>

Xu R, Lu J, Wu J, Yu D, Chu S, Guan F, Liu W, Hu J, Peng H, Zha L:

Comparative analysis in different organs and tissue-specific metabolite profiling of *Atractylodes lancea* from four regions by GC-MS and laser microdissection

J Sep Sci. 2021 Dec 28. doi: 10.1002/jssc.202100924.

<https://analyticalsciencejournals.onlinelibrary.wiley.com/doi/epdf/10.1002/jssc.202100924>

Xu T, Li H, Dou P, Luo Y, Pu S, Mu H, Zhang Z, Feng D, Hu X, Wang T, Tan G, Chen C, Li H, Shi X, Hu C, Xu G:

Concentric Hybrid Nanoelectrospray Ionization-Atmospheric Pressure Chemical Ionization Source for High-Coverage Mass Spectrometry Analysis of Single-Cell Metabolomics

Adv Sci (Weinh). 2024 Feb 15:e2306659. doi: 10.1002/adv.202306659.

<https://doi.org/10.1002/adv.202306659>

Xuan Y, Bateman NW, Gallien S, Goetze S, Zhou Y, Navarro P, Hu M, Parikh N, Hood BL, Conrads KA, Loosse C, Kitata RB, Piersma SR, Chiasserini D, Zhu H, Hou G, Tahir M, Macklin A, Khoo A, Sun X, Crossett B, Sickmann A, Chen YJ, Jimenez CR, Zhou H, Liu S, Larsen MR, Kislinger T, Chen Z, Parker BL, Cordwell SJ, Wollscheid B, Conrads TP:

Standardization and harmonization of distributed multi-center proteotype analysis supporting precision medicine studies

Nat Commun. 2020 Oct 16;11(1):5248. doi: 10.1038/s41467-020-18904-9.

<https://www.nature.com/articles/s41467-020-18904-9>

Yagishita Y, Uruno A, Fukutomi T, Saito R, Saigusa D, Pi J, Fukamizu A, Sugiyama F, Takahashi S, Yamamoto M:

Nrf2 Improves Leptin and Insulin Resistance Provoked by Hypothalamic Oxidative Stress

Cell Rep. 2017 Feb 21;18(8):2030-2044. doi: 10.1016/j.celrep.2017.01.064.

<http://www.sciencedirect.com/science/article/pii/S2211124717301341>

Yamada K, Nakanowatari M, Yumoto E, Satoh S, Asahina M:

Spatiotemporal plant hormone analysis from cryosections using laser microdissection-liquid chromatography-mass spectrometry

J Plant Res. 2021 Nov 23. doi: 10.1007/s10265-021-01360-x.

<https://link.springer.com/article/10.1007/s10265-021-01360-x>

Yamada K, Nishimura T, Wakiya M, Satoh E, Fukuda T, Amaya K, Bando Y, Hirano H, Ishikawa T:

Protein co-expression networks identified from HOT lesions of ER+HER2-Ki-67high luminal breast carcinomas

Sci Rep. 2021 Jan 18;11(1):1705. doi: 10.1038/s41598-021-81509-9.

<https://www.nature.com/articles/s41598-021-81509-9#Sec10>

Yanagisawa A, Ueda M, Sueyoshi T, Nakamura E, Tasaki M, Suenaga G, Motokawa H, Toyoshima R, Kinoshita Y, Misumi Y, Yamashita T, Sakaguchi M, Westermarck P, Mizuta H, Ando Y:

Knee osteoarthritis associated with different kinds of amyloid deposits and the impact of aging on type of amyloid

Amyloid. 2015 Dec 24;1-7.

<http://www.tandfonline.com/doi/full/10.3109/13506129.2015.1115758>

Yang MJ, Luo SH, Liu Y, Li SH:

Defensive furofuran lignans localized to the oil cells of *Neocinnamomum delavayi* and their metabolism by a specialist insect

Phytochemistry. 2023 Sep 8;113852. doi: 10.1016/j.phytochem.2023.113852.

<https://doi.org/10.1016/j.phytochem.2023.113852>

Yang Y, Zhang Y, Li Y, Zhou X, Honda K, Kang D, Wang M, Yang JH, Xia Z, Wei Y, Liu L, Hu R, Takaki T, Xing G:

Complement classical and alternative pathway activation contributes to diabetic kidney disease progression: a glomerular proteomics on kidney biopsies

Sci Rep. 2025 Jan 2;15(1):495. doi: 10.1038/s41598-024-84900-4.

<https://doi.org/10.1038/s41598-024-84900-4>

Yang Z, Chen L, Huang Y, Dong J, Yan Q, Li Y, Qiu J, Li H, Zhao D, Liu F, Tang D, Dai Y:

Proteomic Profiling of Laser Capture Microdissection Kidneys from Diabetic Nephropathy Patients

Journal of Chromatography B, 5 July 2024, 124231

<https://doi.org/10.1016/j.jchromb.2024.124231>

Yao H, Zhang Z, Xiao Z, Chen Y, Li C, Zhang P, Li M, Liu Y, Guan Y, Yu Y, Chen Z:

Identification of metastasis associated proteins in human lung squamous carcinoma using two-dimensional difference gel electrophoresis and laser capture microdissection

Lung Cancer. 2009 Jul;65(1):41-8. doi: 10.1016/j.lungcan.2008.10.024.

[http://linkinghub.elsevier.com/retrieve/pii/S0169-5002\(08\)00530-8](http://linkinghub.elsevier.com/retrieve/pii/S0169-5002(08)00530-8)

Yasuno K, Araki S, Sakashita H, Kobayashi R, Baba T, Kawakami H, Kamiie J, Ogihara K, Shirota K:

Development of Podocyte Injuries in Osborne-Mendel Rats is Accompanied by Reduced Expression of Podocyte Proteins

J Comp Pathol. 2013 Apr 10. pii: S0021-9975(13)00029-7. doi: 10.1016/j.jcpa.2013.01.012.
<http://www.sciencedirect.com/science/article/pii/S0021997513000297>

Ye D, Li Y, Zhang H, Zhou Z, Tang Y, Wu P, Zhao Q, and Zhang Z :
Silencing PRSS1 suppresses the growth and proliferation of gastric carcinoma cells via the ERK pathway

International Journal of Biological Sciences; 2021; 17(4): 957-971. doi: 10.7150/ijbs.52591
<https://www.ijbs.com/v17p0957.pdf>

Yi L, Liang ZT, Peng Y, Yao X, Chen HB, Zhao ZZ:
Tissue-specific metabolite profiling of alkaloids in Sinomenii Caulis using laser microdissection and liquid chromatography-quadrupole/time of flight-mass spectrometry

J Chromatogr A. 2012 Jul 27;1248:93-103.
<http://www.sciencedirect.com/science/article/pii/S002196731200787X>

Yim YY, and Nestler E:

Cell-Type-Specific Neuropoteomics of Synapses

Preprints (www.preprints.org) | 19 May 2023 | doi:10.20944/preprints202305.1447.v1
<https://doi.org/10.20944/preprints202305.1447.v1>

Yonemori H, Kubota D, Taniguchi H, Tsuda H, Fujita S, Murakami Y, and Kondo T:
Laser microdissection and two-dimensional difference gel electrophoresis with alkaline isoelectric point immobilized gel reveals proteomic intra-tumor heterogeneity in colorectal cancer

EuPA Open Proteomics, online 31 August 2013, ISSN 2212-9685,
<http://dx.doi.org/10.1016/j.euprot.2013.08.002>.

Yoshimura H, Takeda Y, Shirai Y, Yamamoto M, Nakatsubo D, Amiya S, Enomoto T, Hara R, Adachi Y, Eda Hiro R, Yaga M, Masuhiro K, Koba T, Itoh-Takahashi M, Nakayama M, Takata S, Hosono Y, Obata S, Nishide M, Hata A, Yanagawa M, Namba S, Iwata M, Hamano M, Hirata H, Koyama S, Iwahori K, Nagatomo I, Suga Y, Miyake K, Shiroyama T, Fukushima K, Futami S, Naito Y, Kawasaki T, Mizuguchi K, Kawashima Y, Yamanishi Y, Adachi J, Nogami-Itoh M, Ueki S, Kumanogoh A:

Galectin-10 in serum extracellular vesicles reflects asthma pathophysiology

J Allergy Clin Immunol. 2024 Mar 14:S0091-6749(24)00128-3. doi: 10.1016/j.jaci.2023.12.030.
<https://doi.org/10.1016/j.jaci.2023.12.030>

Yoshinaga T, Katoh N, Yazaki M, Sato M, Kametani F, Yasuda H, Watanabe K, Kawata K, Nakagawa M, Sekijima Y:

Giant Hepatomegaly with Spleno-testicular Enlargement in a Patient with Apolipoprotein A-I Amyloidosis: An Uncommon Type of Amyloidosis in Japan

Intern Med. 2020 Sep 30. doi: 10.2169/internalmedicine.5126-20.
https://www.jstage.jst.go.jp/article/internalmedicine/advpub/0/advpub_5126-20/article

Yoshioka H, Komura S, Kuramitsu N, Goto A, Hasegawa T, Amizuka N, Ishimoto T, Ozasa R, Nakano T, Imai Y, Akiyama H:

Deletion of Tfam in Prx1-Cre expressing limb mesenchyme results in spontaneous bone fractures.

J Bone Miner Metab. 2022 Aug 10. doi: 10.1007/s00774-022-01354-2.
<https://doi.org/10.1007/s00774-022-01354-2>

Yu C, Zhang D, Zhang L, Fang Z, Zhang Y, Lin W, Ma R, Zheng M, Bai E, Shen C:

Role of an endodermis-specific miR858b-MYB1L module in the regulation of Taxol biosynthesis in *Taxus mairei*

The plant journal, Volume 122, Issue 1, 05 April 2025, e70135
<https://doi.org/10.1111/tpj.70135>

Zaccaria A, Antinori P, Licker V, Kovari E, Lobrinus JA, Burkhard PR:

Multiomic Analyses of Dopaminergic Neurons Isolated from Human Substantia Nigra in Parkinson's Disease: A Descriptive and Exploratory Study

Cell Mol Neurobiol. 2021 Sep 15. doi: 10.1007/s10571-021-01146-8.

<https://link.springer.com/article/10.1007/s10571-021-01146-8>

Zaccaria A, Malaspina PA, Licker V, Kovari E, Lohrbus JA, Burkhard PR:

Polyomic analyses of dopaminergic neurons isolated from human substantia nigra in Parkinson's disease: An exploratory study

Research Square, 12 Feb 2021, DOI: 10.21203/rs.3.rs-182873/v1

<https://www.researchsquare.com/article/rs-182873/v1>

Zearfoss R:

Tumor biology gets smart

Cell, Volume 185, Issue 15, 21 July 2022, Pages 2611-2612

<https://doi.org/10.1016/j.cell.2022.06.021>

Zen Y, Britton D, Mitra V, Brand A, Jung S, Loessner C, Ward M, Pike I, Heaton N, Quaglia A:

Protein expression profiles of chemo-resistant mixed phenotype liver tumors using laser microdissection and LC-MS/MS proteomics

EuPA Open Proteomics, Available online 16 November 2013, ISSN 2212-9685

<http://dx.doi.org/10.1016/j.euprot.2013.10.001>

Zeng GQ, Yi H, Zhang PF, Li XH, Hu R, Li MY, Li C, Qu JQ, Deng X, and Xiao ZQ:

The Function and Significance of SELENBP1 Downregulation in Human Bronchial Epithelial Carcinogenic Process

PLoS ONE 8(8): e71865. doi:10.1371/journal.pone.0071865

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0071865>

Zhang C, Arentz G, Winderbaum L, Lokman NA, Klingler-Hoffmann M, Mittal P, Carter C, Oehler MK, Hoffmann P:

MALDI Mass Spectrometry Imaging Reveals Decreased CK5 Levels in Vulvar Squamous Cell Carcinomas Compared to the Precursor Lesion Differentiated Vulvar Intraepithelial Neoplasia

Int J Mol Sci. 2016 Jul 8;17(7). pii: E1088. doi: 10.3390/ijms17071088.

<http://www.mdpi.com/resolver?pii=ijms17071088>

Zhang F, Zhang B, Wang Y, Jiang R, Liu J, Wei Y, Gao X, Zhu Y, Wang X, Sun M, Kang J, Liu Y, You G, Wei D, Xin J, Bao J, Wang M, Gu Y, Wang Z, Ye J, Guo S, Huang H, Sun Q:

An extra-erythrocyte role of haemoglobin body in chondrocyte hypoxia adaption

Nature. 2023 Oct 4. doi: 10.1038/s41586-023-06611-6.

<https://doi.org/10.1038/s41586-023-06611-6>

Zhang H, Chen W, Li X, Song Z, Liu Y, Liu S, Su Z, Wu W, Chen H, Qin C, Lin S, Zhang F, Lu X, Tang Q, Yu X, Xu L, Liu C:

Tumor necrosis facilitates perihilar cholangiocarcinoma metastasis by ANGPTL6-augmented vessel permeability and tumor dissemination

JHEP Reports, <https://doi.org/10.1016/j.jhepr.2025.101514>.

<https://doi.org/10.1016/j.jhepr.2025.101514>

Zhang H, Chen X, Liu L, Zheng H, Yang X, Yin K, Yao Q, Li L & Yang P:

Oncostatin M Drives Th2 Polarized Allergic Airway Inflammation Through Fibroblast Reprogramming and Endoplasmic Reticulum Stress

International Journal of Nanomedicine, 14 Jul 2025, 9019-9030, DOI: 10.2147/IJN.S535265

<https://doi.org/10.2147/IJN.S535265>

Zhang HL, Liu CY, Ma W, Huang L, Li CJ, Li CS, Zhang ZW:

Identification of differentially expressed proteins in the gastric mucosal atypical hyperplasia tissue microenvironment

Oncol Lett. 2018 Aug;16(2):2355-2365. doi: 10.3892/ol.2018.8941.

<https://www.spandidos-publications.com/ol/16/2/2355>

Zhang Q, Goto H, Akiyoshi-Nishimura S, Prosselkov P, Sano C, Matsukawa H, Yaguchi K, Nakashiba T, Itohara S:

Diversification of behavior and postsynaptic properties by netrin-G presynaptic adhesion family proteins

Mol Brain. 2016 Jan 8;9(1):6. doi: 10.1186/s13041-016-0187-5.

<http://molecularbrain.biomedcentral.com/articles/10.1186/s13041-016-0187-5>

Zhang S, Ghatak A, Mohammad Bazargani M, Kramml H, Zang F, Gao S, Ramšak Ž, Gruden K, Varshney RK, Jiang D, Chaturvedi P, Weckwerth W:

Cell-type proteomic and metabolomic resolution of early and late grain filling stages of wheat endosperm

Plant Biotechnol J. 2023 Dec 4. doi: 10.1111/pbi.14203.

<https://doi.org/10.1111/pbi.14203>

Zhang Y, Xu B, Kinoshita N, Yoshida Y, Tasaki M, Fujinaka H, Magdeldin S, Yaoita E, Yamamoto T:

Datasets from label-free quantitative proteomic analysis of human glomeruli with sclerotic lesions

Data in Brief, Volume 4, September 2015, Pages 180–185

<http://www.sciencedirect.com/science/article/pii/S2352340915000815>

Zhao J, Li x, Luo Q, Chen L, Chai L, Huang Y, and Fang L:

Screening of surface markers on rat intestinal mucosa microfold cells by using laser capture microdissection combined with protein chip technology

Int J Clin Exp Med 2014;7(4):932-939; www.ijcem.com, /ISSN:1940-5901/IJCEM1401061

<http://www.ijcem.com/files/ijcem1401061.pdf>

Zhao Y, Chu S, Gui S, Qin Y, Xu R, Shan T, Peng H:

Tissue-specific metabolite profiling of Fallopi multiflora (Heshouwu) and Fallopi multiflora var. angulata by mass spectrometry imaging and laser microdissection combined with UPLC-Q/TOF-MS

Journal of Pharmaceutical and Biomedical Analysis, Volume 200, 5 June 2021, 114070

<https://www.sciencedirect.com/science/article/abs/pii/S0731708521001813#!>

Zheng F, Tang D, Li S, Luo Z, Song Y, Huang Y, Gan Q, Liu H, Zhang X, Liu D, Wang Q, Xiong Z, Dai Y:
Spatial proteomics landscape and immune signature analysis of renal sample of lupus nephritis based on laser-captured microsection

Inflamm Res. 2023 Jul 20. doi: 10.1007/s00011-023-01767-3.

<https://doi.org/10.1007/s00011-023-01767-3>

Zheng X, Mund A, Mann M:

Deciphering functional tumor-immune crosstalk through highly multiplexed imaging and deep visual proteomics

bioRxiv preprint, May 23, 2024

<https://doi.org/10.1101/2024.05.22.595266>

Zheng X, Mund A, Mann M:

Deciphering functional tumor-immune crosstalk through highly multiplexed imaging and deep visual proteomics

Molecular Cell, 14 Jan 2025, ISSN 1097-2765, DOI: 10.1016/j.molcel.2024.12.023

<https://doi.org/10.1016/j.molcel.2024.12.023>

Zheng X, Mund A, Mann M:

Protocol for spatial proteomic profiling of tonsil cancer microenvironments using multiplexed imaging-powered deep visual proteomics

STAR Protoc. 2025 Jun 18;6(3):103901. doi: 10.1016/j.xpro.2025.103901.

<https://doi.org/10.1016/j.xpro.2025.103901>

Zhou TT, Zheng Y, Zhang MW, Gong LH, Guo K, He XP, Liu YC, Gershenzon J, Liu Y, Li SH:

Plant defense-directed discovery of a natural anti-psoriasis agent targeting GAPDH

Sci Adv. 2025 Jul 25;11(30):eadw2578. doi: 10.1126/sciadv.adw2578.

<https://doi.org/10.1126/sciadv.adw2578>

Zhou W, Liang Z, Li P, Zhao Z, Chen J:

Tissue-specific chemical profiling and quantitative analysis of bioactive components of Cinnamomum cassia by combining laser-microdissection with UPLC-Q/TOF-MS

Chem Cent J. 2018 Jun 21;12(1):71. doi: 10.1186/s13065-018-0438-x.

<https://link.springer.com/content/pdf/10.1186%2Fs13065-018-0438-x.pdf>

Zhu Y, Piehowski PD, Zhao R, Chen J, Shen Y, Moore RJ, Shukla AK, Petyuk VA, Campbell-Thompson M, Mathews CE, Smith RD, Qian WJ, Kelly RT

Nanodroplet processing platform for deep and quantitative proteome profiling of 10-100 mammalian cells

Nat Commun. 2018 Feb 28;9(1):882. doi: 10.1038/s41467-018-03367-w.

<https://www.nature.com/articles/s41467-018-03367-w.pdf>

Zimmerman M, Blanc L, Chen PY, Dartois V, Prideaux B:

Spatial Quantification of Drugs in Pulmonary Tuberculosis Lesions by Laser Capture Microdissection Liquid Chromatography Mass Spectrometry (LCM-LC/MS)

J Vis Exp. 2018 Apr 18;(134). doi: 10.3791/57402.

<https://www.jove.com/video/57402/spatial-quantification-drugs-pulmonary-tuberculosis-lesions-laser>

Zimmerman M, Lestner J, Prideaux B, O'Brien P, Freedman I, Chen C, Dietzold J, Daudelin I, Kaya F, Blanc L, Chen PY, Park S, Salgame P, Sarathy J, Dartois V:

Ethambutol partitioning in tuberculous pulmonary lesions explains its clinical efficacy

Antimicrob Agents Chemother. 2017 Jul 10. pii: AAC.00924-17. doi: 10.1128/AAC.00924-17.

<http://aac.asm.org/content/early/2017/07/04/AAC.00924-17.full.pdf>

Zou X, Yoshida M, Nagai-Okatani C, Iwaki J, Matsuda A, Tan B, Hagiwara K, Sato T, Itakura Y, Noro E, Kaji H, Toyoda M, Zhang Y, Narimatsu H, Kuno A:

A standardized method for lectin microarray-based tissue glycome mapping

Sci Rep. 2017 Mar 6;7:43560. doi: 10.1038/srep43560

<http://dx.doi.org/10.1038/srep43560>

Zuo Z, Zheng Y, Liang Z, Liu Y, Tang Q, Liu X, Zhao Z, Zeng J:

Tissue-specific metabolite profiling of benzylisoquinoline alkaloids in the root of *Macleaya cordata* by combining laser microdissection with ultra-high-performance liquid chromatography/tandem mass spectrometry

Rapid Commun Mass Spectrom. 2017 Mar 15;31(5):397-410. doi: 10.1002/rcm.7804.

<https://www.semanticscholar.org/paper/Tissue-specific-metabolite-profiling-of-alkaloids-Zuo-Zheng/0cc7e9818779d2c3ab64ece4803b1c1e5fde9d1c>

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[Webinar: How to Conduct Localized Proteomics of Microscopic Regions](#)

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5. Deep Visual Proteomics (DVP) related

Making space for spatial biology in the clinic

Nat Biotechnol (6 Jan2025).

<https://doi.org/10.1038/s41587-024-02543-2>

Method of the Year 2024: spatial proteomics.

Nat Methods 21, 2195–2196 (2024).

<https://doi.org/10.1038/s41592-024-02565-3>

Bhatia HS, Brunner AD, Öztürk F, Kapoor S, Rong Z, Mai H, Thielert M, Ali M, Al-Maskari R, Paetzold JC, Kofler F, Todorov MI, Molbay M, Kolabas ZI, Negwer M, Hoeher L, Steinke H, Dima A, Gupta B, Kaltenecker D, Caliskan ÖS, Brandt D, Krahmer N, Müller S, Lichtenthaler SF, Hellal F, Bechmann I, Menze B, Theis F, Mann M, Ertürk A:

Spatial proteomics in three-dimensional intact specimens.

Cell. 2022 Dec 22;185(26):5040-5058.e19. doi: 10.1016/j.cell.2022.11.021.

<https://doi.org/10.1016/j.cell.2022.11.021>

Bolck HA, Migh E, Kriston A, Zajac NH, Kreutzer S, Tofu T, Leary P, Kovacs F, Rutishauser D, Pfammatter S, Grossmann J, Lichtfeld C, Buljan M, Rupp NJ, Horvath P, Moch H:

Deep visual multi-omics profiling reveals mechanisms that underly cancer cell differentiation and aggressiveness in clear cell renal cell carcinoma

bioRxiv, 5. Feb 2025

<https://doi.org/10.1101/2025.01.31.635927>

Chakrabarti S, Makhmut A, Mohammadi A, Luo W, Wang L, Lewin GR, Coscia F:

Ultrasensitive proteomics uncovers nociceptor diversity and novel pain targets

bioRxiv, Sept 21, 2025

<https://doi.org/10.1101/2025.09.20.677124>

Coscia F, Nielsen AB, Weigert M, Watters K, Javellana M, Anglesio M, Yamada SD, Lastra RR, Mann M, Lengyel E:

A Proteogenomic View of Synchronous Endometrioid Endometrial and Ovarian Cancer

Clin Cancer Res. 2025 Mar 27. doi: 10.1158/1078-0432.CCR-24-1763.

<https://doi.org/10.1158/1078-0432.CCR-24-1763>

Guedes J, Szadai L, Woldmar N, Jánosi ÁJ, Koroncziová K, Lengyel BM, Kelemen B, Boltas E, Gyulai R, Wieslander E, Pawlowski K, Horvatovich P, Betancourt L, Szasz AM, Vereb Z, Horvath P, Oskolás H, Appelqvist R, Malm J, Marko-Varga G, Németh IB, Gil J:

The melanoma MEGA-study: Integrating proteogenomics, digital pathology, and AI-analytics for precision oncology

J Proteomics. 2025 Jun 16;105482. doi: 10.1016/j.jprot.2025.105482.

<https://doi.org/10.1016/j.jprot.2025.105482>

Guedes J, Woldmar N, Szasz AM, Wieslander E, Pawlowski K, Horvatovich P, Malm J, Szadai L, Németh IB, Marko-Varga G, Gil J:

A perspective on integrating digital pathology, proteomics, clinical data and AI analytics in cancer research.

J Proteomics. 2025 Jul 16;320:105493. doi: 10.1016/j.jprot.2025.105493.

<https://doi.org/10.1016/j.jprot.2025.105493>

Guo T, Steen JA & Mann M:

Mass-spectrometry-based proteomics: from single cells to clinical applications

Nature **638**, 901–911 (2025).

<https://doi.org/10.1038/s41586-025-08584-0>

Horvath P, Coscia F:

Spatial proteomics in translational and clinical research

Mol Syst Biol. 2025 Apr 14. doi: 10.1038/s44320-025-00101-9

<https://doi.org/10.1038/s44320-025-00101-9>

Klingeberg M, Krisp C, Fritzsche S, Schallenberg S, Hornburg D, and Coscia F:

An ultrasensitive spatial tissue proteomics workflow exceeding 100 proteomes per day

bioRxiv, 05 June 2025

<https://doi.org/10.1101/2025.06.02.657389>

Makhmut A, Dragomir MP, Fritzsche S, Moebs M, Schmitt WD, Taube ET, and Coscia F:

Deep spatial proteomics of ovarian cancer precursor lesions delineates early disease changes and cell-of-origin signatures

bioRxiv, 19 Mar 2025

<https://doi.org/10.1101/2025.03.19.643504>

Makhmut A, Qin D, Hartlmayr D, Seth A, and Coscia F:

An automated and fast sample preparation workflow for laser microdissection guided ultrasensitive proteomics

bioRxiv, Dec 1st 2023

<https://doi.org/10.1101/2023.11.29.569257>

Makhmut A, Qin D, Hartlmayr D, Seth A, and Coscia F:

An Automated and Fast Sample Preparation Workflow for Laser Microdissection Guided Ultrasensitive Proteomics

Mol Cell Proteomics 23(5), 100750, 2024

<https://doi.org/10.1101/2023.11.29.569257>

Marino G, Gaitanos T, Tebbe A, Nagaraj N:

Visual proteomics of subregions in colorectal cancer FFPE samples

Poster P41, 55th Annual Conference of the DGMS, March 10-13, 2024

https://dgms2024.de/fileadmin/media/dgms/2024/docs/Abstractbooklet_DGMS_2024_final_1103.pdf

Mardamshina M, Dorka N, Thielert M, Bjoerklund F, Navarro FB, Casals AM, Kovacs F, Fox JEM, Horvath P, Macdonald PE, Mann M, Lundberg:

Multiplexed Deep Visual Proteomics Unveils Spatial Heterogeneity and Rare Endocrine States in Human Adult Pancreatic Islets

bioRxiv 27 April 2025

<https://doi.org/10.1101/2025.04.27.650857>

Metousis A, Kenny HA, Shimizu A, Schweizer L, Ben-Moshe S, Bilecz A, Krishnan R, Zhang J, Alcazar I, Kelliher L, Ravi M, Samantaray T, Richter S, Li Y, Wang J, Steigerwald S, Theis FJ, Rosenberger FA, Nordmann TM, Yamada SD, Lastra R, Mann M, and Lengyel E:

Integration of cell-type resolved spatial proteomics and transcriptomics reveals novel mechanisms in early ovarian cancer

medRxiv, 28 Aug 2025

<https://doi.org/10.1101/2025.08.25.25333715>

Min J, Schweizer L, Zonderland G, Selvanesan BC, Oldenburg L, Bae S-W, Kim BJ, Swanson BJ, Klute KA, Caffrey TC, Grandgenett PM, Hollingsworth MA, Ummat I, Strauss MT, Mund A, Maitra A:

AI-powered Deep Visual Proteomics reveals critical molecular transitions in pancreatic cancer precursors

bioRxiv, 7 Jul 2025

<https://doi.org/10.1101/2025.07.07.663528>

Min J, Schweizer L, Zonderland G, Selvanesan BC, Oldenburg L, Hollingsworth MA, Grandgenett PM, Ummat I, Strauss MT, Mund A, Maitra A:

AI-powered deep visual proteomics (DVP) for early pancreatic cancer insights

Proceedings of the American Association for Cancer Research Annual Meeting 2025; Part 1 (Regular Abstracts); 2025 Apr 25-30; Chicago, IL. Philadelphia (PA): AACR; Cancer Res 2025;85(8_Suppl_1):Abstract nr 753.

<https://doi.org/10.1158/1538-7445.AM2025-753>

Møller LBP, Kromann B, Kabatnik S, Hjortlund JH, Haulrig MB, Sølberg JBK, Bzorek M, Clark RA, Skov L, Mann M, Løvendorf MB, Dyring-Andersen B

Spatial Proteomic Profiling Reveals Increased Levels of Cholesterol Synthesis Proteins in Psoriasis Vulgaris

J Invest Dermatol. 2025 May 22:S0022-202X(25)00489-0. doi: 10.1016/j.jid.2025.05.002.

<https://doi.org/10.1016/j.jid.2025.05.002>

Mund A:

When imaging and mass-spec collide - Deep Visual Proteomics (DVP) brings us the best of both worlds

Interview, Proteomics Playbook 2025, Front Line Genomics, p. 68 ff

<https://frontlinegenomics.com/proteomics-playbook-2025/>

Mund A, Brunner AD, Mann M:

Unbiased spatial proteomics with single-cell resolution in tissues

Mol Cell. 2022 Jun 16;82(12):2335-2349. doi: 10.1016/j.molcel.2022.05.022.

<https://www.sciencedirect.com/science/article/pii/S1097276522004890>

Mund A, Coscia F, Hollandi R, Kovacs F, Kriston A, Brunner A-D, Bzorek M, Naimy S, Rahbeck Gjerdrum LM, Dyring-Andersen B, Bulkescher JM, Lukas C, Gnann C, Lundberg E, Horvath P, Mann M:

AI-driven Deep Visual Proteomics defines cell identity and heterogeneity

bioRxiv, 27 Jan 2021, doi: doi: <https://doi.org/10.1101/2021.01.25.427969>

<https://www.biorxiv.org/content/10.1101/2021.01.25.427969v1>

Mund A, Coscia F, Kriston A, Hollandi R, Kovacs F, Brunner A-D, Migh E, Schweizer L, Santos A, Bzorek M, Naimy S, Rahbeck Gjerdrum LM, Dyring-Andersen B, Bulkescher JM, Lukas C, Gnann C, Lundberg E, Horvath P, Mann M:

Deep Visual Proteomics defines single-cell identity and heterogeneity

Nat Biotechnol (2022). <https://doi.org/10.1038/s41587-022-01302-5>

<https://www.nature.com/articles/s41587-022-01302-5>

Mund A, Coscia F, Kriston A, Hollandi R, Kovacs F, Brunner A-D, Migh E, Schweizer L, Santos A, Bzorek M, Naimy S, Rahbeck Gjerdrum LM, Dyring-Andersen B, Bulkescher JM, Lukas C, Gnann C, Lundberg E, Horvath P, Mann M:

Neue Methode revolutioniert Krebsdiagnose: Wegweisende Technologie "Deep Visual Proteomics" vereint vier Technologien

Analytica-World, 23.05.2022 - Max-Planck-Institut für Biochemie (German language)

https://www.analytica-world.com/de/news/1176189/neue-methode-revolutioniert-krebsdiagnose.html?utm_source=newsletter&utm_medium=email&utm_campaign=awportalde

Naimy S, Sølberg JBK, Kuczek DE, Løvendorf MB, Bzorek M, Litman T, Mund A, Rahbek Gjerdrum LM, Clark RA, Mann M, Dyring-Andersen B:

Comparative quantitative proteomic analysis of melanoma subtypes, nevus-associated melanoma, and corresponding nevi

J Invest Dermatol. 2024 Jan 5:S0022-202X(23)03211-6. doi: 10.1016/j.jid.2023.12.011.

<https://doi.org/10.1016/j.jid.2023.12.011>

Nimo J, Fritzsche S, Valdes DS, Trinh M, Pentimalli T, Schallenberg S, Klauschen F, Herse F, Florian S, Rajewski N, and Coscia F:

OpenDVP: An experimental and computational framework for community-empowered deep visual proteomics

bioRxiv preprint doi: <https://doi.org/10.1101/2025.07.13.662099>; July 16, 2025.

<https://doi.org/10.1101/2025.07.13.662099>

Nordmann TM, Anderton H, Hasegawa A, Schweizer L, Zhang P, Stadler P-C, Sinha A, Metousis A, Rosenberger FA, Zwiebel M, Satoh TK, Anzengruber F, Tanzer MC, Saito Y, Gong T, Thielert M, Kimura H, Silke N, Rodriguez EH, Gaetana R, Nguyen HH, Gross A, Levesque MP, Murray PJ, Ingen-Housz-Oro S, Mund A, Abe R, Silke J, Ji C, French LE, Mann M:

Single-cell spatial proteomics identifies the JAK/STAT pathway as an actionable therapeutic target in lethal cutaneous drug reactions

medRxiv preprint, November 12, 2023

<https://doi.org/10.1101/2023.11.11.23295492>

Nordmann TM, Anderton H, Hasegawa A, Schweizer L, Zhang P, Stadler PC, Sinha A, Metousis A, Rosenberger FA, Zwiebel M, Satoh TK, Anzengruber F, Strauss MT, Tanzer MC, Saito Y, Gong T, Thielert M, Kimura H, Silke N, Rodriguez EH, Restivo G, Nguyen HH, Gross A, Feldmeyer L, Joerg L, Levesque MP, Murray PJ, Ingen-Housz-Oro S, Mund A, Abe R, Silke J, Ji C, French LE, Mann M:

Spatial proteomics identifies JAKi as treatment for a lethal skin disease

Nature. 2024 Oct 16. doi: 10.1038/s41586-024-08061-0.

<https://www.nature.com/articles/s41586-024-08061-0>

Nordmann TM, Mund A, Mann M:

A new understanding of tissue biology from MS-based proteomics at single-cell resolution

Nat Methods 21, 2220–2222 (2024).

<https://doi.org/10.1038/s41592-024-02541-x>

Nordmann TM, Schweizer L, Metousis A, Thielert M, Rodriguez E, Rahbek-Gjerdum LM, Stadler P-C, Bzorek M, Mund A, Rosenberger FA, Mann M:

A standardized and reproducible workflow for membrane glass slides in routine histology and spatial proteomics

bioRxiv, 21. Feb 2023, doi: <https://doi.org/10.1101/2023.02.20.529255>

<https://doi.org/10.1101/2023.02.20.529255>

Post F, Hausmann A, Kabatnik S, Steigerwald S, Brand A, Clement DL, Skov J, Boyce TL, Sato T, Steenholdt C, Mund A, Nielsen OH, Jensen KB, Mann M:

Deep Visual Proteomics advances human colon organoid models by revealing a switch to an in vivo-like phenotype upon xenotransplantation

bioRxiv preprint, doi: <https://doi.org/10.1101/2024.05.13.593888>; May 14, 2024

<https://doi.org/10.1101/2024.05.13.593888>

Post F, Hausmann A, Kabatnik S, Steigerwald S, Brand A, Clement DL, Skov J, Löhmußaar K, Larsen HL, Maimets M, Boyce TL, Jez G, Sato T, Steenholdt C, Rosenberger F, Mund A, Nielsen OH, Jensen KB, Mann M:

Deep visual proteomics reveals an in vivo-like phenotype of orthotopically transplanted human colon organoids

Cell Systems 16, 101396, September 17, 2025

<https://doi.org/10.1016/j.cels.2025.101396>

Rosenberger FA, Mädler SC, Thorhauge KH, Steigerwald S, Fromme M, Lebedev M, Weiss CAM, Oeller M, Wahle M, Metousis A, Zwiebel M, Schmacke NA, Detlefsen S, Boor P, Fabián O, Fraňková S, Krag A, Strnad P, Mann M:

Deep Visual Proteomics maps proteotoxicity in a genetic liver disease

Nature. 2025 Apr 16. doi: 10.1038/s41586-025-08885-4.

<https://www.nature.com/articles/s41586-025-08885-4>

Rosenberger FA, Mädler SC, Thorhauge KH, Steigerwald S, Fromme M, Lebedev M, Weiss CAM, Oeller M, Wahle M, Zwiebel M, Schmacke NA, Detlefsen S, Boor P, Kaserman J, Wilson A, Fabián O, Franková S, Krag AA, Strnad P, and Mann M:

The proteomic landscape of proteotoxic stress in a fibrogenic liver disease

bioRxiv, 3rd Nov 2024

<https://doi.org/10.1101/2024.11.01.621457>

Rosenberger FA, Thielert M, Mann M:

Making single-cell proteomics biologically relevant

Nat Methods. 2023 Mar;20(3):320-323. doi: 10.1038/s41592-023-01771-9.

<https://www.nature.com/articles/s41592-023-01771-9>

Rosenberger FA, Thielert M, Strauss MT, Ammar C, Mädler SC, Schweizer L, Metousis A, Skowronek P, Wahle M, Gote-Schniering J, Semenova A, Schiller HB, Rodriguez E, Nordmann TM, Mund A, Mann M:

Spatial single-cell mass spectrometry defines zonation of the hepatocyte proteome

bioRxiv, 3. Dec 2022, doi: <https://doi.org/10.1101/2022.12.03.518957>

<https://doi.org/10.1101/2022.12.03.518957>

Rosenberger FA, Thielert M, Strauss MT, Schweizer L, Ammar C, Mädler SC, Metousis A, Skowronek P, Wahle M, Madden K, Gote-Schniering J, Semenova A, Schiller HB, Rodriguez E, Nordmann TM, Mund A, Mann M:

Spatial single-cell mass spectrometry defines zonation of the hepatocyte proteome.

Nat Methods. 2023 Oct 2. doi: 10.1038/s41592-023-02007-6.

<https://doi.org/10.1038/s41592-023-02007-6>

Schweizer L, Kenny HA, Krishnan R, Kelliher L, Bilecz AJ, Heide J, Donle L, Shimizu A, Metousis A, Mendoza R, Nordmann TM, Rauch S, Richter S, Yan L, Rosenberger FA, Strauss MT, Kurnit KC, Thielert M, Rodriguez E, Müller-Reif JB, Yamada SD, Theis FJ, Mund A, Lastra RR, Mann M, and Lengyei E:

Spatial proteo-transcriptomic profiling reveals the molecular landscape of borderline ovarian tumors and their invasive progression

Cancer Cell, 2025 Aug 11;43(8):1495-1511.e7. doi: 10.1016/j.ccell.2025.06.004.

<https://doi.org/10.1016/j.ccell.2025.06.004>

Schweizer L, Krishnan R, Shimizu A, Metousis A, Kenny H, Mendoza R, Nordmann TM, Rauch S, Kelliher L, Heide J, Rosenberger FA, Bilecz A, Borrego SN, Strauss MT, Thielert M, Rodriguez E, Müller-Reif, JB, Chen M, Yamada SD, Mund A, Lastra RR, Mann M, and Lengyei E:

Spatial proteo-transcriptomic profiling reveals the molecular landscape of borderline ovarian tumors and their invasive progression

medRxiv preprint, November 13, 2023

<https://doi.org/10.1101/2023.11.13.23298409>

Strack R.:

Spatial proteomics with subcellular resolution.

Nat Methods. 2022. PMID: 35804240

<https://www.nature.com/articles/s41592-022-01554-8>

Tan YC, Low TY, Lee PY, Lim LC:

Single-cell proteomics by mass spectrometry: Advances and implications in cancer research

Proteomics. 2024 May 10:e2300210. doi: 10.1002/pmic.202300210.

<https://doi.org/10.1002/pmic.202300210>

Valdes DS, Nimo J, Nonn, O, Ulrich J, Forstner D, Haider S, Ressler M, Pignitter M, Muller DN, Dechend R, Gauster M, Coscia F, Herse F:

Maternal smoking in early pregnancy disrupts placental function through syncytiotrophoblast and macrophage dysregulation

bioRxiv, July 15, 2025.

<https://doi.org/10.1101/2025.07.10.664172>

Weiss CAM, Brown LA, Miranda L, Pelizzoni P, Ben-Moshe S, Steigerwald S, Remmert K, Hernandez J, Borgwardt K, Rosenberger FA, Porat-Shliom N, Mann M:

Single cell spatial proteomics maps human liver zonation patterns and their vulnerability to fibrosis

bioRxiv, 13. April 2025

<https://doi.org/10.1101/2025.04.13.648568>

Wünnemann F, Sicklinger F, Bestak K, Nimo J, Thiemann T, Amrute J, Nordbeck M, Hartmann N, Ibarra-Arellano MA, Tanevski J, Heine C, Frey N, Lavine KJ, Coscia F, Saez-Rodriguez J, Leuschner F, Schapiro D:

Spatial omics of acute myocardial infarction reveals a novel mode of immune cell infiltration

bioRxiv preprint, May 21, 2024

<https://doi.org/10.1101/2024.05.20.594955>

Zheng X, Mund A, Mann M:

Deciphering functional tumor-immune crosstalk through highly multiplexed imaging and deep visual proteomics

bioRxiv preprint, May 23, 2024

<https://doi.org/10.1101/2024.05.22.595266>

Zheng X, Mund A, Mann M:

Deciphering functional tumor-immune crosstalk through highly multiplexed imaging and deep visual proteomics

Molecular Cell, 14 Jan 2025, ISSN 1097-2765, DOI: 10.1016/j.molcel.2024.12.023

<https://doi.org/10.1016/j.molcel.2024.12.023>

Zheng X, Mund A, Mann M:

Protocol for spatial proteomic profiling of tonsil cancer microenvironments using multiplexed imaging-powered deep visual proteomics

STAR Protoc. 2025 Jun 18;6(3):103901. doi: 10.1016/j.xpro.2025.103901.

<https://doi.org/10.1016/j.xpro.2025.103901>

6. Fluorescence Applications

Alldred MJ, Penikalapati SC, Lee SH, Heguy A, Roussos P, Ginsberg S:
Proling Basal Forebrain Cholinergic Neurons Reveals a Molecular Basis for Vulnerability Within the Ts65Dn Model of Down Syndrome and Alzheimer's Disease
Research Square, BMC Molecular Neurodegeneration, 9 Oct 2020
<https://www.researchsquare.com/article/rs-88218/v1>

Alonso C, Musat N, Adam B, Kuypers M, Amann R
HISH-SIMS analysis of bacterial uptake of algal-derived carbon in the Río de la Plata estuary
Syst Appl Microbiol. 2012 Sep 28. pii: S0723-2020(12)00109-9. doi: 10.1016/j.syapm.2012.08.004.
<http://www.sciencedirect.com/science/article/pii/S0723202012001099>

André EM, Daviaud N, Sindji L, Cayon J, Perrot R, Montero-Menei CN:
A novel ex vivo Huntington's disease model for studying GABAergic neurons and cell grafts by laser microdissection
PLoS One. 2018 Mar 5;13(3):e0193409. doi: 10.1371/journal.pone.0193409. eCollection 2018.
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0193409>

Ayoub AE, Dominguez MH, Benoit J, Ortega JA, Radonjic N, Zecevic N, Rakic P:
Coordination of Neuron Production in Mouse and Human Cerebral Cortex by the Homolog of Drosophila Mastermind Protein
Brain Behav Evol. 2019 Aug 15;93(2-3):152-165. doi: 10.1159/000500494.
<https://www.karger.com/Article/PDF/500494>

Bandyopadhyay U, Cotney J, Nagy M, Oh S, Leng J, Mahajan M, Mane S, Fenton WA, Noonan JP, Horwich AL:
RNA-Seq Profiling of Spinal Cord Motor Neurons from a Presymptomatic SOD1 ALS Mouse
PLoS ONE 8(1): e53575. doi:10.1371/journal.pone.0053575
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0053575>

Barwinska D, El-Achkar TM, Ferreira RM, Syed F, Cheng YH, Winfree S, Ferkowicz MJ, Hato T, Collins KS, Dunn KW, Kelly KJ, Sutton TA, Rovin BH, Parikh SV, Phillips CL, Dagher PC, Eadon MT; Kidney Precision Medicine Project:
Molecular characterization of the human kidney interstitium in health and disease.
Sci Adv. 2021 Feb 10;7(7):eabd3359. doi: 10.1126/sciadv.abd3359. P
<https://advances.sciencemag.org/content/advances/7/7/eabd3359.full.pdf>

Barwinska D, Ferkowicz MJ, Cheng YH, Winfree S, Dunn KW, Kelly KJ, Sutton TA, Rovin BH, Parikh SV, Phillips CL, Dagher PC, El-Achkar TM, Eadon MT; Kidney Precision Medicine Project:
Application of Laser Microdissection to Uncover Regional Transcriptomics in Human Kidney Tissue
J Vis Exp. 2020 Jun 9;(160). doi: 10.3791/61371.
<https://www.jove.com/t/61371/application-laser-microdissection-to-uncover-regional-transcriptomics>

Baslan T, Morris JP 4th, Zhao Z, Reyes J, Ho YJ, Tsanov KM, Bermeo J, Tian S, Zhang S, Askan G, Yavas A, Lecomte N, Erakky A, Varghese AM, Zhang A, Kendall J, Ghiban E, Chorbadjiev L, Wu J, Dimitrova N, Chadalavada K, Nanjangud GJ, Bandlamudi C, Gong Y, Donoghue MTA, Socci ND, Krasnitz A, Notta F, Leach SD, Iacobuzio-Donahue CA, Lowe SW:
Ordered and deterministic cancer genome evolution after p53 loss.
Nature. 2022 Aug;608(7924):795-802. doi: 10.1038/s41586-022-05082-5.
<https://www.nature.com/articles/s41586-022-05082-5>

Bender A, Desplats P, Spencer B, Rockenstein E, Adame A, Elstner M, Laub C, Mueller S, Koob AO, Mante M, Pham E, Klopstock T, Masliah E:

TOM40 mediates mitochondrial dysfunction induced by α -synuclein accumulation in Parkinson's disease

PLoS One. 2013 Apr 23;8(4):e62277.

<http://dx.plos.org/10.1371/journal.pone.0062277>

Benkert J, Hess S, Roy S, Beccano-Kelly D, Wiederspohn N, Duda J, Simons C, Patil K, Gaifullina A, Mannal N, Dragicevic E, Spaich D, Müller S, Nemeth J, Hollmann H, Deuter N, Mousba Y, Kubisch C, Poetschke C, Striessnig J, Pongs O, Schneider T, Wade-Martins R, Patel S, Parlato R, Frank T, Kloppenburg P & Liss B:

Cav2.3 channels contribute to dopaminergic neuron loss in a model of Parkinson's disease

Nat Commun 10, 5094 (8 Nov 2019) doi:10.1038/s41467-019-12834-x

<https://www.nature.com/articles/s41467-019-12834-x>

Bergsbaken T1, Bevan MJ2, Fink PJ:

Local Inflammatory Cues Regulate Differentiation and Persistence of CD8+ Tissue-Resident Memory T Cells

Cell Rep. 2017 Apr 4;19(1):114-124. doi: 10.1016/j.celrep.2017.03.031.

[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(17\)30363-7](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(17)30363-7)

Blackmore MG, Wang Z, Lerch JK, Motti D, Zhang YP, Shields CB, Lee JK, Goldberg JL, Lemmon VP, Bixby JL:

Kruppel-like Factor 7 engineered for transcriptional activation promotes axon regeneration in the adult corticospinal tract

Proc Natl Acad Sci U S A. 2012 Apr 23. [Epub ahead of print]

<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=22529377>

Böing C, Di Fabrizio M, Burger D, Bol JGJM, Huisman E, Rozemuller AJM, van de Berg WDJ, Stahlberg H, Lewis AJ:

Distinct ultrastructural phenotypes of glial and neuronal alpha-synuclein inclusions in multiple system atrophy

Brain. 2024 May 2;awae137. doi: 10.1093/brain/awae137.

<https://doi.org/10.1093/brain/awae137>

Bondoc A, Golbar HM, Pervin M, Katou-Ichikawa C, Tanaka M, Izawa T, Kuwamura M, Yamate J:

Participation of Tumor-Associated Myeloid Cells in Progression of Amelanotic Melanoma (RMM Tumor Line) in F344 Rats, with Particular Reference to MHC Class II- and CD163-Expressing Cells

Cancer Microenviron. 2017 Jun 16. doi: 10.1007/s12307-017-0193-x.

<https://dx.doi.org/10.1007/s12307-017-0193-x>

Brilli E, Reitano E, Conti L, Conforti P, Gulino R, Consalez GG, Cesana E, Smith A, Rossi F, Cattaneo E:

Neural stem cells engrafted in the adult brain fuse with endogenous neurons

Stem Cells Dev. 2013 Feb 15;22(4):538-47. doi: 10.1089/scd.2012.0530.

<http://dx.doi.org/10.1089/scd.2012.0530>

Burbach, G.J., Dehn, D., Del Turco, D., Staufenbiel, M., and Deller, T.:

Laser microdissection reveals regional and cellular differences in GFAP mRNA upregulation following brain injury, axonal denervation, and amyloid plaque deposition

Glia 48(1): 76-84 (2004)

<http://onlinelibrary.wiley.com/doi/10.1002/glia.20057/full>

Burbach, G.J., Dehn, D., Nagel, B., Del Turco, D., and Deller, T.:

Laser microdissection of immunolabeled astrocytes allows quantification of astrocytic gene expression

J Neurosci Methods 138(1-2): 141-148 (2004)
<http://dx.doi.org/10.1016/j.jneumeth.2004.03.022>

Cao J, Ni J, Ma W, Shiu V, Milla LA, Park S, Spletter ML, Tang S, Zhang J, Wei X, Kim SK, Scott MP:
Insight into Insulin Secretion from Transcriptome and Genetic Analysis of Insulin-Producing Cells of *Drosophila*

Genetics. 2014 Feb 20.

<http://www.genetics.org/content/early/2014/02/18/genetics.113.160663.full.pdf+html>

Carrillo MAL:

Endothelial Cell Heterogeneity: A Correlation With The Von Willebrand Factor Expression In Distinct Organs

Thesis, 2017

https://era.library.ualberta.ca/files/cbn9996983/LorenzanaCarrillo_Maria_A_201612_MSc.pdf

Castelli MP, Spiga S, Perra A, Madeddu C, Mulas G, Ennas MG, Gessa GL:

α 2A adrenergic receptors highly expressed in mesoprefrontal dopamine neurons

Neuroscience. 2016 Jun 27. pii: S0306-4522(16)30276-7. doi: 10.1016/j.neuroscience.2016.06.037.

[http://linkinghub.elsevier.com/retrieve/pii/S0306-4522\(16\)30276-7](http://linkinghub.elsevier.com/retrieve/pii/S0306-4522(16)30276-7)

Chakrabarti S, Makhmut A, Mohammadi A, Luo W, Wang L, Lewin GR, Coscia F:

Ultrasensitive proteomics uncovers nociceptor diversity and novel pain targets

bioRxiv, Sept 21, 2025

<https://doi.org/10.1101/2025.09.20.677124>

Chapman JR, Liu A, Yi SS, Hernandez E, Ritorto MS, Jungbluth AA, Pulitzer M, Dogan A:

Proteomic analysis shows that the main constituent of subepidermal localised cutaneous amyloidosis is not galectin-7

Amyloid. 2020 Sep 1;1-7. doi:10.1080/13506129.2020.1811962

<https://www.tandfonline.com/doi/abs/10.1080/13506129.2020.1811962>

Chatzi C, Zhang G, Hendricks W, Chen Y, Schnell E, Goodman RH, Westbrook GL:

Exercise-induced enhancement of synaptic function triggered by the inverse BAR protein, Mtss1L

bioRxiv, Feb. 9, 2019, <http://dx.doi.org/10.1101/545582>doi:

<https://www.biorxiv.org/content/biorxiv/early/2019/02/09/545582.full.pdf>

Chen LL, Chu SS, Zhang L, Xie J, Dai M, Wu X, Peng HS:

Tissue-Specific Metabolite Profiling on the Different Parts of Bolting and Unbolting *Peucedanum praeruptorum* Dunn (Qianhu) by Laser Microdissection Combined with UPLC-Q/TOF-MS and HPLC-DAD

Molecules. 2019 Apr 11;24(7). pii: E1439. doi: 10.3390/molecules24071439.

<http://www.mdpi.com/resolver?pii=molecules24071439>

Chen QL, Chen YJ, Zhou SS, Yip KM, Xu J, Chen HB, Zhao ZZ:

Laser microdissection hyphenated with high performance gel permeation chromatography-charged aerosol detector and ultra performance liquid chromatography-triple quadrupole mass spectrometry for histochemical analysis of polysaccharides in herbal medicine: Ginseng, a case study

Int J Biol Macromol. 2017 Aug 31. pii: S0141-8130(17)32336-X. doi: 10.1016/j.ijbiomac.2017.08.162.

[https://linkinghub.elsevier.com/retrieve/pii/S0141-8130\(17\)32336-X](https://linkinghub.elsevier.com/retrieve/pii/S0141-8130(17)32336-X)

Chen L, Zhou T, Wu N, O'Brien A, Venter J, Ceci L, Kyritsi K, Onori P, Gaudio E, Sybenga A, Xie L, Wu C, Fabris L, Invernizzi P, Zawieja D, Liangpunsakul S, Meng F, Francis H, Glaser S :

Pinealectomy or light exposure exacerbates biliary damage and liver fibrosis in cholestatic rats through decreased melatonin synthesis

Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease, 16 Mar 2019,
<https://doi.org/10.1016/j.bbadis.2019.03.002>
<https://www.sciencedirect.com/science/article/abs/pii/S0925443919300766#!>

Chen Y, Xu L, Zhao Y, Zhao Z, Chen H, Yi T, Qin M, Liang Z:
Tissue-specific metabolite profiling and quantitative analysis of ginsenosides in *Panax quinquefolium* using laser microdissection and liquid chromatography–quadrupole/time of flight-mass spectrometry
Chem Cent J. 2015; 9: 66. 2015 Dec 9. doi: 10.1186/s13065-015-0141-0
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4673779/>

Colombat M, Barres B, Renaud C, Ribes D, Pericard S, Camus M, Anesia R, van Acker N, Chauveau D, Burlet-Schiltz O, Brousset P, Valleix S:
Mass spectrometry-based proteomic analysis of parathyroid adenomas reveals PTH as a new human hormone-derived amyloid fibril protein
Amyloid. 2021 Feb 13:1-5. doi: 10.1080/13506129.2021.1885023.
<https://www.tandfonline.com/doi/abs/10.1080/13506129.2021.1885023>

Dasari S, Theis JD, Vrana JA, Zenka RM, Zimmermann MT, Kocher JP, Highsmith Jr WE, Kurtin PJ, Dogan A:
Clinical proteome informatics workbench detects pathogenic mutations in hereditary amyloidoses
J Proteome Res. 2014 Mar 20.
<http://dx.doi.org/10.1021/pr4011475>

Di Niro R, Snir O, Kaukinen K, Yaari G, Lundin KE, Gupta NT, Kleinstein SH, Cols M, Cerutti A, Mäki M, Shlomchik MJ, Sollid LM:
Responsive population dynamics and wide seeding into the duodenal lamina propria of transglutaminase-2-specific plasma cells in celiac disease
Mucosal Immunol. 2015 Jul 8. doi: 10.1038/mi.2015.57.
<http://www.nature.com/mi/journal/vaop/ncurrent/pdf/mi201557a.pdf>

Dong Z, Jiang W, Wu C, Chen T, Chen J, Ding X, Zheng S, Piatkevich KD, Zhu Y, Guo T:
Spatial proteomics of single cells and organelles on tissue slides using filter-aided expansion proteomics
Nat Commun. 2024 Oct 30;15(1):9378.
<https://doi.org/10.1038/s41467-024-53683-7>

Drummond E, Kavanagh T, Pires G, Ariza MM, Kanshin E, Nayak S, Faustin A, Berdah V, Ueberheide B, Wisniewski T:
The Amyloid Plaque Proteome in Early Onset Alzheimer's Disease and Down Syndrome
Resresearch Square, 8 Feb 2022, DOI: <https://doi.org/10.21203/rs.3.rs-1316035/v1>
<https://www.researchsquare.com/article/rs-1316035/v1>

Drummond E, Nayak S, Faustin A, Pires G, Hickman RA, Askenazi M, Cohen M, Haldiman T, Kim C, Han X, Shao Y, Safar JG, Ueberheide B, Wisniewski T:
Proteomic differences in amyloid plaques in rapidly progressive and sporadic Alzheimer's disease
Acta Neuropathol. 2017 Mar 4. doi: 10.1007/s00401-017-1691-0.
<https://dx.doi.org/10.1007/s00401-017-1691-0>

Du X, Ma X, Tan Y, Shao F, Li C, Zhao Y, Miao Y, Han L, Dang G, Song Y, Yang D, Deng Z, Wang Y, Jiang C, Kong W, Feng J, Wang X:
B cell-derived anti-beta 2 glycoprotein I antibody mediates hyperhomocysteinemia-aggravated hypertensive glomerular lesions by triggering ferroptosis
Signal Transduct Target Ther. 2023 Mar 13;8(1):103. doi: 10.1038/s41392-023-01313-x.
<https://www.nature.com/articles/s41392-023-01313-x>

Dutta S, Pang M, Coughlin GM, Gudavalli S, Roukes ML, Chou T-F, Gradinaru V:
Molecularly-guided spatial proteomics captures single-cell identity and heterogeneity of the nervous system

bioRxiv, 11 Feb 2025

<https://doi.org/10.1101/2025.02.10.637505>

Dzamukova M, Brunner TM, Miotla-Zarebska J, Heinrich F, Brylka L, Mashregi MF, Kusumbe A, Kühn R, Schinke T, Vincent TL, Löhning M:

Mechanical forces couple bone matrix mineralization with inhibition of angiogenesis to limit adolescent bone growth

Nat Commun. 2022 Jun 1;13(1):3059. doi: 10.1038/s41467-022-30618-8.

<https://www.nature.com/articles/s41467-022-30618-8>

Dzamukova M, Brunner TM, Miotla-Zarebska J, Heinrich F, Brylka L, Mashregi M-F, Anjali Kusumbe, Kühn R, Schinke T, Vincent TL, and Löhning M:

Mechanical forces switch blood vessel subtypes to arrest adolescent bone growth

Research Square, V1, 12 Jan 2021, DOI: 10.21203/rs.3.rs-120475/v1

<https://www.researchsquare.com/article/rs-120475/v1>

Eadon M, Barwinska D, Cheng Y-H, Ferkowicz MJ, Parikh SV, Rovin BH, Shapiro JP, Dagher PC, El-Achkar TM:

Laser microdissection for regional transcriptomics and proteomics V.2

Protocols.io, 10 Apr 2020, dx.doi.org/10.17504/protocols.io.bew6jfh

<https://www.protocols.io/view/laser-microdissection-for-regional-transcriptomics-bew6jfh>

Edris R, Sultan LD, Best C, Mizrahi R, Weinstein O, Chen S, Kamennaya NA, Keren N, Zer H, Zhu H, Osterseker-Biran O:

Root Primordium Defective 1 Encodes an Essential PORR Protein Required for the Splicing of Mitochondria Encoded Group II Introns and for Respiratory Complex I Biogenesis

Plant Cell Physiol. 2023 Sep 13;pcad101. doi: 10.1093/pcp/pcad101.

<https://doi.org/10.1093/pcp/pcad101>

Elser BA, Kayali K, Dhakal R, O'Hare B, Wang K, Lehmler HJ, Stevens HE:

Combined maternal exposure to cypermethrin and stress affect embryonic brain and placental outcomes in mice

Toxicol Sci. 2020 Mar 19. pii: kfaa040. doi: 10.1093/toxsci/kfaa040.

<https://academic.oup.com/toxsci/article-lookup/doi/10.1093/toxsci/kfaa040>

Fink KL, López-Giráldez F, Kim IJ, Strittmatter SM, Cafferty WB :

Identification of Intrinsic Axon Growth Modulators for Intact CNS Neurons after Injury

Cell Rep. 2017 Mar 14;18(11):2687-2701. doi: 10.1016/j.celrep.2017.02.058.

[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(17\)30256-5](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(17)30256-5)

Fish RJ, Freire C, Di Sanza C, Neerman-Arbez M:

Venous Thrombosis and Thrombocyte Activity in Zebrafish Models of Quantitative and Qualitative Fibrinogen Disorders

Int J Mol Sci. 2021 Jan 11;22(2):E655. doi: 10.3390/ijms22020655.

<https://www.mdpi.com/1422-0067/22/2/655/htm#app1-ijms-22-00655>

Freire C, Fish RJ, Vilar R, Di Sanza C, Grzegorski SJ, Richter CE, Shavit JA, Neerman-Arbez M.

A genetic modifier of venous thrombosis in zebrafish reveals a functional role for fibrinogen AαE in early hemostasis

Blood Adv. 2020 Nov 10;4(21):5480-5491. doi: 10.1182/bloodadvances.2020001472.

<https://ashpublications.org/bloodadvances/article/4/21/5480/474105>

Freire Sanz C:

Hemostasis and thrombosis in zebrafish models of human congenital fibrinogen disorders

Thesis, 2020

<https://archive-ouverte.unige.ch/unige:140844>

Fu Y, Li W, Mai Y, Guan J, Ding R, Hou J, Chen B, Cao G, Sun S, Tang Y, and Fu R:

Association between RMTg Neuropeptide Genes and Negative Effect during Alcohol Withdrawal in Mice

Int. J. Mol. Sci. 2024, 25(5), 2933; <https://doi.org/10.3390/ijms25052933>

<https://doi.org/10.3390/ijms25052933>

Fu Z, Crooks EJ, Irizarry BA, Zhu X, Chowdhury S, Van Nostrand WE, Smith SO:

An electrostatic cluster guides A β 40 fibril formation in sporadic and Dutch-type cerebral amyloid angiopathy

J Struct Biol. 2024 Apr 12:108092. doi: 10.1016/j.jsb.2024.108092.

<https://doi.org/10.1016/j.jsb.2024.108092>

Fu Z, Löfqvist CA, Liegl R, Wang Z, Sun Y, Gong Y, Liu CH, Meng SS, Burnim SB, Arellano I, Chouinard MT, Duran R, Poblete A, Cho SS, Akula JD, Kinter M, Ley D, Pupp IH, Talukdar S, Hellström A, Smith LE:

Photoreceptor glucose metabolism determines normal retinal vascular growth

EMBO Mol Med. 2017 Nov 27. pii: e201707966. doi: 10.15252/emmm.201707966.

<http://embomolmed.embopress.org/cgi/pmidlookup?view=long&pmid=29180355>

García-Berrocoso T, Giralt D, Llobart V, Bustamante A, Penalba A, Flores A, Ribó M, Molina CA, Rosell A, Montaner J:

Chemokines after human ischemic stroke: from neurovascular unit to blood using protein arrays

Translational Proteomics, 2014 12 Mar, <http://dx.doi.org/10.1016/j.trprot.2014.03.001>

<http://www.sciencedirect.com/science/article/pii/S2212963414000035>

García-Berrocoso T, Llobart V, Colàs-Campàs L, Hainard A, Licker V, Penalba A, Ramiro L, Simats A, Bustamante A, Martínez-Saez E, Canals F, Sanchez JC, Montaner J:

Single Cell Immuno-laser Microdissection Coupled to Label-free Proteomics to Reveal the Proteotypes of Human Brain Cells After Ischemia

Mol Cell Proteomics. 2017 Nov 13. pii: mcp.RA117.000419. doi: 10.1074/mcp.RA117.000419.

<http://www.mcponline.org/cgi/pmidlookup?view=long&pmid=29133510>

Grycz K, Głowacka A, Ji B, Czarkowska-Bauch J, Gajewska-Woźniak O, Skup M

Early pre- and postsynaptic decrease in glutamatergic and cholinergic signaling after spinalization is not modified when stimulating proprioceptive input to the ankle extensor α -motoneurons: Anatomical and neurochemical study

PLoS One. 2019 Sep 26;14(9):e0222849. doi: 10.1371/journal.pone.0222849. eCollection 2019.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0222849>

Gwee SSL, Radford RAW, Chow S, Syal MD, Morsch M, Formella I, Lee A, Don EK, Badrock AP, Cole NJ, West AK, Cheung SNS, Chung RS:

Aurora kinase B regulates axonal outgrowth and regeneration in the spinal motor neurons of developing zebrafish

Cell Mol Life Sci. 2018 Feb 21. doi: 10.1007/s00018-018-2780-5.

<https://link.springer.com/article/10.1007/s00018-018-2780-5>

Hagen CE, Dasari S, Theis JD, Rech K, Dao L, Howard M, Larson DP, Nasr SH, Dispenzieri A, Chiu A, Dalland J, Gertz M, Kourelis T, Muchtar E, Vrana JA, McPhail ED:

Gallbladder amyloidosis is often unexpected and may have systemic implications

Am J Clin Pathol. 2025 Aug 29:aqaf090. doi: 10.1093/ajcp/aqaf090.

<https://doi.org/10.1093/ajcp/aqaf090>

Handschick K, Beuerlein K, Jurida L, Bartkuhn M, Müller H, Soelch J, Weber A, Dittrich-Breiholz O, Schneider H, Scharfe M, Jarek M, Stellzig J, Schmitz ML, Kracht M:
Cyclin-Dependent Kinase 6 Is a Chromatin-Bound Cofactor for NF- κ B-Dependent Gene Expression
Mol Cell. 2013 Dec 31. pii: S1097-2765(13)00870-8. doi: 10.1016/j.molcel.2013.12.002.
<https://www.cell.com/molecular-cell/abstract/S1097-2765%2813%2900870-8>

Hoffmann H:
Identifying Regulators of Tumor Vascular Morphology
Thesis, 2016
https://opus.bibliothek.uni-wuerzburg.de/opus4-wuerzburg/frontdoor/deliver/index/docId/14234/file/Hoffmann_Helene_Morphology.pdf

Horvath P, Coscia F:
Spatial proteomics in translational and clinical research
Mol Syst Biol. 2025 Apr 14. doi: 10.1038/s44320-025-00101-9
<https://doi.org/10.1038/s44320-025-00101-9>

Hou S, Zhao L, Shen Q, Yu J, Ng C, Kong X, Wu D, Song M, Shi X, Xu X, OuYang WH, He R, Zhao XZ, Lee T, Brunicardi FC, Garcia MA, Ribas A, Lo RS, Tseng HR:
Polymer nanofiber-embedded microchips for detection, isolation, and molecular analysis of single circulating melanoma cells
Angew Chem Int Ed Engl. 2013 Mar 18;52(12):3379-83. doi: 10.1002/anie.201208452. Epub 2013 Feb 21.
<http://dx.doi.org/10.1002/anie.201208452>

Hu H, Liu G, Li Y:
The isolation strategy and chemical analysis of oil cells from Asari Radix et Rhizoma
Plant Methods. 2024 May 17;20(1):72. doi: 10.1186/s13007-024-01184-5.
<https://doi.org/10.1186/s13007-024-01184-5>

Huang J, Liu Y, Oltean A, Beebe DC:
Bmp4 from the optic vesicle specifies murine retina formation
Dev Biol. 2015 Mar 16. pii: S0012-1606(15)00114-1. doi: 10.1016/j.ydbio.2015.03.006.
[http://linkinghub.elsevier.com/retrieve/pii/S0012-1606\(15\)00114-1](http://linkinghub.elsevier.com/retrieve/pii/S0012-1606(15)00114-1)

Huang Y, Ma G, Xie S, Wei R, Liu Y, Zeng Y, Zhao Y, Wang Q, Yang L, Huang H, Hao L, Zhao X, Wang H, Shen W, Wong SSC, Cao JL, Tao YX, Pan ZQ:
SERBP1-PCIF1 complex-controlled m6Am modification in glutamatergic neurons of the primary somatosensory cortex is required for neuropathic pain in mice
Nat Commun. 2025 Aug 5;16(1):7225. doi: 10.1038/s41467-025-62565-5.
<https://doi.org/10.1038/s41467-025-62565-5>

Hurley JH, Kunkler PE, Zhang L, Knopp KL, Oxford GS:
Role of Intraganglionic Transmission in the Trigeminovascular Pathway
Mol Pain. 2019 Feb 20;1744806919836570. doi: 10.1177/1744806919836570.
http://journals.sagepub.com/doi/full/10.1177/1744806919836570?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed

Irizarry BA:
Morphology, Propagation, and Toxicity of Human-Derived Amyloid- β Fibrils
Thesis, 2023
<https://www.proquest.com/openview/c612ce72ce6026a81cf92c5d6f3c8806/1>

Irizarry BA, Davis J, Zhu X, Boon BDC, Rozemuller AJM, Van Nostrand WE, Smith SO:
Human cerebral vascular amyloid contains both anti-parallel and parallel in-register A β 40 fibrils

J Biol Chem. 2021 Sep 29;101259. doi: 10.1016/j.jbc.2021.101259.
<https://www.sciencedirect.com/science/article/pii/S0021925821010620>

Jaiswal YS, Liang Z, Guo P, Ho HM, Chen HB, Zhao Z:
Tissue-specific Metabolite Profiling of Cyperus rotundus L. Rhizomes and (+)-Nootkatone Quantitation by Using Laser Micro Dissection, UHPLC-QTOF MS and GC-MS Techniques
J Agric Food Chem. 2014 Jun 17.
<http://pubs.acs.org/doi/abs/10.1021/jf502494z?journalCode=jafcau>

Jaiswal Y, Liang Z, Ho A, Chen H, Williams L, Zhao Z:
Tissue based metabolite profiling and qualitative comparison of two species of Achyranthes roots by use of UHPLC-QTOF MS and laser micro dissection
Journal of Pharmaceutical Analysis, 16 June 2017
<http://www.sciencedirect.com/science/article/pii/S2095177917300709>

Jaiswal Y, Liang Z, Ho A, Chen H, Zhao Z:
A Comparative Tissue-specific Metabolite Analysis and Determination of Protodioscin Content in Asparagus Species used in Traditional Chinese Medicine and Ayurveda by use of Laser Microdissection, UHPLC-QTOF/MS and LC-MS/MS
Phytochem Anal. 2014 Apr 16. doi: 10.1002/pca.2522.
<http://dx.doi.org/10.1002/pca.2522>

Jensen E:
Laser-Capture Microdissection
The Anatomical Record (Anat. Rec.), 2013, 1932-8494, 10.1002/ar.22791
<http://dx.doi.org/10.1002/ar.22791>

Kadkhodaei B, Alvarsson A, Schintu N, Ramsköld D, Volakakis N, Joodmardi E, Yoshitake T, Kehr J, Decressac M, Björklund A, Sandberg R, Svenningsson P, Perlmann T :
Transcription factor Nurr1 maintains fiber integrity and nuclear-encoded mitochondrial gene expression in dopamine neurons
Proc Natl Acad Sci U S A. 2013 Jan 22.
<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=23341612>

Kassis H, Shehadah A, Li C, Zhang Y, Cui Y, Roberts C, Sadry N, Liu X, Chopp M, Zhang ZG :
Class IIa histone deacetylases affect neuronal remodeling and functional outcome after stroke
Neurochem Int. 2016 Apr 18. pii: S0197-0186(16)30056-0. doi: 10.1016/j.neuint.2016.04.006.
[http://linkinghub.elsevier.com/retrieve/pii/S0197-0186\(16\)30056-0](http://linkinghub.elsevier.com/retrieve/pii/S0197-0186(16)30056-0)

Kempfer R:
Chromatin folding in health and disease: exploring allele-specific topologies and the reorganization due to the 16p11.2 deletion in autism-spectrum disorder
Thesis, 2020 Oct 7
<https://edoc.hu-berlin.de/handle/18452/22777>

Kenwood MM, Souzaiaia T, Kovner R, Fox AS, French DA, Oler JA, Roseboom PH, Riedel MK, Mueller SAL, Kalin NH:
Gene expression in the primate orbitofrontal cortex related to anxious temperament
Proc Natl Acad Sci U S A. 2023 Dec 5;120(49):e2305775120. doi: 10.1073/pnas.2305775120.
<https://doi.org/10.1073/pnas.2305775120>

Khodosevich, K., Inta, D., Seeburg, P.H., and Monyer, H.:
Gene expression analysis of in vivo fluorescent cells
PLoS ONE 2(11): e1151 (2007)
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0001151>

Khodosevich K, Alfonso J, Monyer H:

Dynamic changes in the transcriptional profile of subventricular zone-derived postnatally born neuroblasts

Mech Dev. 2012 Dec 4. pii: S0925-4773(12)00114-1. doi: 10.1016/j.mod.2012.11.003.

<http://www.sciencedirect.com/science/article/pii/S0925477312001141>

Kley RA, Maerkens A, Leber Y, Theiss V, Schreiner A, van der Ven PF, Uszkoreit J, Stephan C, Eulitz S, Euler N, Kirschner J, Mueller K, Meyer HE, Tegenthoff M, Fuerst DO, Vorgerd M, Mueller T, Marcus K:

A combined laser microdissection and mass spectrometry approach reveals new disease relevant proteins accumulating in aggregates of filaminopathy patients

Mol Cell Proteomics. 2012 Oct 31.

<http://www.mcponline.org/content/early/2012/10/31/mcp.M112.023176.abstract>

Körber C, Dondzillo A, Eisenhardt G, Herrmannsdörfer F, Wafzig O, Kuner T:

Gene expression profile during functional maturation of a central mammalian synapse

Eur J Neurosci. 2014 Jul 3. doi: 10.1111/ejn.12661.

<http://dx.doi.org/10.1111/ejn.12661>

Kohama Y, Higo S, Masumura Y, Shiba M, Kondo T, Ishizu T, Higo T, Nakamura S, Kameda S, Tabata T, Inoue H, Motooka D, Okuzaki D, Takashima S, Miyagawa S, Sawa Y, Hikoso S, Sakata Y

Adeno-associated virus-mediated gene delivery promotes S-phase entry-independent precise targeted integration in cardiomyocytes

Sci Rep. 2020 Sep 18;10(1):15348. doi: 10.1038/s41598-020-72216-y.

<https://www.nature.com/articles/s41598-020-72216-y>

Kosloski LM, Kosmacek EA, Olson KE, Mosley RL, and Gendelman HE:

GM-CSF induces neuroprotective and anti-inflammatory responses in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine intoxicated mice

Journal of Neuroimmunology, 29 Oct 2013, ISSN 0165-5728

<http://dx.doi.org/10.1016/j.jneuroim.2013.10.009>

Krabbe S, Duda J, Schiemann J, Poetschke C, Schneider G, Kandel ER, Liss B, Roeper J, Simpson EH:

Increased dopamine D2 receptor activity in the striatum alters the firing pattern of dopamine neurons in the ventral tegmental area

Proc Natl Acad Sci U S A. 2015 Feb 9. pii: 201500450.

<http://www.pnas.org/cgi/lookup?view=long&pmid=25675529>

Krause K, Eggers B, Uszkoreit J, Eulitz S, Rehmann R, Güttches AK, Schreiner A, van der Ven PFM, Fürst DO, Marcus K, Vorgerd M, Kley RA:

Target formation in muscle fibres indicates reinnervation - a proteomic study in muscle samples from peripheral neuropathies

Neuropathol Appl Neurobiol. 2022 Sep 30:e12853. doi: 10.1111/nan.12853.

<https://doi.org/10.1111/nan.12853>

Kruse LC, Walter NA, Buck KJ:

Mpdz Expression In The Caudolateral Substantia Nigra Pars Reticulata Is Crucially Involved In Alcohol Withdrawal

Genes Brain Behav. 2014 Aug 11. doi: 10.1111/gbb.12171.

<http://dx.doi.org/10.1111/gbb.12171>

Latchoumane CV, Betancur MI, Simchick GA, Sun MK, Forghani R, Lenear CE, Ahmed A, Mohankumar R, Balaji N, Mason HD, Archer-Hartmann SA, Azadi P, Holmes PV, Zhao Q, Bellamkonda RV, Karumbaiah L:

Engineered glycomaterial implants orchestrate large-scale functional repair of brain tissue chronically after severe traumatic brain injury

Sci Adv. 2021 Mar 5;7(10):eabe0207. doi: 10.1126/sciadv.abe0207. Print 2021 Mar.
<https://doi.org/10.1126/sciadv.abe0207>

Lavarenne J, Gonin M, Champion A, Javelle M, Adam H, Rouster J, Conejero G, Lartaud M, Verdeil JL, Laplace L, Sallaud C, Lucas M, Gantet P:

Transcriptome profiling of laser-captured crown root primordia reveals new pathways activated during early stages of crown root formation in rice.

PLoS One. 2020 Nov 19;15(11):e0238736. doi: 10.1371/journal.pone.0238736. eCollection 2020.
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0238736>

LaFavers KA, Macedo E, Garimella PS, Lima C, Khan S, Myslinski J, McClintick J, Witzmann FA, Winfree S, Phillips CL, Hato T, Dagher PC, Wu XR, El-Achkar TM, Micanovic R:

Circulating uromodulin inhibits systemic oxidative stress by inactivating the TRPM2 channel

Sci Transl Med. 2019 Oct 2;11(512). pii: eaaw3639. doi: 10.1126/scitranslmed.aaw3639.
<http://stm.sciencemag.org/cgi/pmidlookup?view=short&pmid=31578243>

Lammel, S., Hetzel, A., Hackel, O., Jones, I., Liss, B., and Roeper, J.:

Unique properties of mesoprefrontal neurons within a dual mesocorticolimbic dopamine system

Neuron 57(5): 760-773 (2008)
<http://www.cell.com/neuron/retrieve/pii/S0896627308001074>

Leitner DF, Kanshin E, Askenazi M, Faustin A, Friedman D, Devore S, Ueberheide B, Wisniewski T, Devinsky O:

Raphe and ventrolateral medulla proteomics in epilepsy and sudden unexpected death in epilepsy
Brain Communications, fcac186
<https://doi.org/10.1093/braincomms/fcac186>

Li D, Liu J, Yang C, Tian Y, Yin C, Hu L, Chen Z, Zhao F, Zhang R, Lu A, Zhang G, Qian A:

Targeting long noncoding RNA PMIF facilitates osteoprogenitor cells migrating to bone formation surface to promote bone formation during aging

Theranostics. 2021 Mar 20;11(11):5585-5604. doi: 10.7150/thno.54477.
<https://www.thno.org/v11p5585.htm>

Li J, Li SS, Liu Y, Tang WY, Liu XF, Meng CF, Zhang LY, Sun MX:

An efficient semi-in vivo zygotic embryogenesis system in Arabidopsis

In Vitro Cell.Dev.Biol.-Plant, 27. Dec 2022
<https://doi.org/10.1007/s11627-022-10319-z>

Li M, Zhang L, Li J, and Zhu Q:

Direct Reprogramming of Mouse Subchondral Bone Osteoblasts into Chondrocyte-Like Cells

Biomedicines 2022, 10, 2582.
<https://doi.org/10.3390/biomedicines10102582>

Li Y, Dai J, Kametani F, Yazaki M, Ishigami A, Mori M, Miyahara H, Higuchi K:

Renal function in aged C57BL/6J mice is impaired by deposition of age-related apolipoprotein A-II amyloid independent of kidney aging

Am J Pathol. 2023 Mar 23:S0002-9440(23)00112-8. doi: 10.1016/j.ajpath.2023.03.002.
<https://doi.org/10.1016/j.ajpath.2023.03.002>

Li Y, Guo X, Xue Q, Zhu M, Gao L, and Wang Y:

Single Cell Gene Profiling Revealed Heterogeneity of Paracrine Effects of Bone Marrow Cells in Mouse Infarcted Hearts

PLoS ONE 8(7): e68270. doi:10.1371/journal.pone.0068270
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0068270>

Liang L, Xu J, Liang ZT, Dong XP, Chen HB, Zhao ZZ:

Tissue-Specific Analysis of Secondary Metabolites Creates a Reliable Morphological Criterion for Quality Grading of Polygoni Multiflori Radix

Molecules. 2018 May 8;23(5). pii: E1115. doi: 10.3390/molecules23051115.

<https://europepmc.org/abstract/med/29738485>

Liang Z, Sham T, Yang G, Yi L, Chen H, Zhao Z:

Profiling of secondary metabolites in tissues from Rheum palmatum L. using laser microdissection and liquid chromatography mass spectrometry

Anal Bioanal Chem. 2013 May;405(12):4199-212. doi: 10.1007/s00216-013-6819-z.

<http://dx.doi.org/10.1007/s00216-013-6819-z>

Liddel SA, Temple S, Møllgård K, Gehwolf R, Wagner A, Bauer H, Bauer HC, Phoenix TN, Dziegielewska KM, Saunders NR:

Molecular Characterisation of Transport Mechanisms at the Developing Mouse Blood-CSF Interface: A Transcriptome Approach

PLoS One. 2012;7(3):e33554. Epub 2012 Mar 21.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0033554>

Liu T, Ma Q, Zhang Y, Wang X, Xu K, Yan K, Dong W, Fan Q, Zhang Y, Qiu X:

Self-seeding circulating tumor cells promote the proliferation and metastasis of human osteosarcoma by upregulating interleukin-8

Cell Death Dis. 2019 Jul 31;10(8):575. doi: 10.1038/s41419-019-1795-7.

<http://dx.doi.org/10.1038/s41419-019-1795-7>

Lynch L, Gamblin A, Vintiner S, Simons JL:

STR profiling of epithelial cells identified by X/Y-FISH labelling and laser microdissection using standard and elevated PCR conditions

Forensic Sci Int Genet. 2014 Oct 25;16C:1-7. doi: 10.1016/j.fsigen.2014.10.017.

[http://linkinghub.elsevier.com/retrieve/pii/S1872-4973\(14\)00233-6](http://linkinghub.elsevier.com/retrieve/pii/S1872-4973(14)00233-6)

MacFarlane EG, Parker SJ, Shin JY, Ziegler SG, Creamer TJ, Bagirzadeh R, Bedja D, Chen Y, Calderon JF, Weissler K, Frischmeyer-Guerrero PA, Lindsay ME, Habashi JP, Dietz HC

Lineage-specific events underlie aortic root aneurysm pathogenesis in Loeys-Dietz syndrome

J Clin Invest. 2019 Feb 1;129(2):659-675. doi: 10.1172/JCI123547. Epub 2019 Jan 7.

<https://doi.org/10.1172/JCI123547>

Maerkens A, Olivé M, Schreiner A, Feldkirchner S, Schessl J, Uszkoreit J, Barkovits K, Güttches AK, Theis V, Eisenacher M, Tegenthoff M, Goldfarb LG, Schröder R, Schoser B, van der Ven PF, Fürst DO, Vorgerd M, Marcus K, Kley RA:

New insights into the protein aggregation pathology in myotilinopathy by combined proteomic and immunolocalization analyses

Acta Neuropathol Commun. 2016 Feb 3;4(1):8. doi: 10.1186/s40478-016-0280-0.

<http://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-016-0280-0>

Makhmut A, Dragomir MP, Fritzsche S, Moebs M, Schmitt WD, Taube ET, and Coscia F:

Deep spatial proteomics of ovarian cancer precursor lesions delineates early disease changes and cell-of-origin signatures

bioRxiv, 19 Mar 2025

<https://doi.org/10.1101/2025.03.19.643504>

Makhmut A, Qin D, Hartlmayr D, Seth A, and Coscia F:

An automated and fast sample preparation workflow for laser microdissection guided ultrasensitive proteomics

bioRxiv, Dec 1st 2023

<https://doi.org/10.1101/2023.11.29.569257>

Makhmut A, Qin D, Hartlmayr D, Seth A, and Coscia F:

An Automated and Fast Sample Preparation Workflow for Laser Microdissection Guided Ultrasensitive Proteomics

Mol Cell Proteomics 23(5), 100750, 2024

<https://doi.org/10.1101/2023.11.29.569257>

Malik S, Valdebenito S, D'Amico D, Prideaux B, Eugenin EA:

HIV infection of astrocytes compromises inter-organelle interactions and inositol phosphate metabolism: a potential mechanism of bystander damage and viral reservoir survival

Prog Neurobiol. 2021 Aug 26;102:157. doi: 10.1016/j.pneurobio.2021.102157.

<https://www.sciencedirect.com/science/article/pii/S0304008221001714>

Marazuela P, Solé M, Bonaterra-Pastra A, Pizarro J, Camacho J, Martínez-Sáez E, Kuiperij HB, Verbeek MM, de Kort AM, Schreuder FHBM, Klijn CJM, Castillo-Ribelles L, Pancorbo O, Rodríguez-Luna D, Pujadas F, Delgado P, Hernández-Guillamon M:

MFG-E8 (LACTADHERIN): a novel marker associated with cerebral amyloid angiopathy

Acta Neuropathol Commun. 2021 Sep 16;9(1):154. doi: 10.1186/s40478-021-01257-9.

<https://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-021-01257-9>

Mardamshina M, Dorka N, Thielert M, Bjoerklund F, Navarro FB, Casals AM, Kovacs F, Fox JEM, Horvath P, Macdonald PE, Mann M, Lundberg:

Multiplexed Deep Visual Proteomics Unveils Spatial Heterogeneity and Rare Endocrine States in Human Adult Pancreatic Islets

bioRxiv 27 April 2025

<https://doi.org/10.1101/2025.04.27.650857>

Matz H, Taylor RS, Redmond AK, Hill TM, Ruiz Daniels R, Beltran M, Henderson NC, Macqueen DJ, Dooley H:

Organized B cell sites in cartilaginous fishes reveal the evolutionary foundation of germinal centers

Cell Rep. 2023 Jun 20;42(7):112664. doi: 10.1016/j.celrep.2023.112664.

<https://doi.org/10.1016/j.celrep.2023.112664>

Mayer C, Jaglin XH, Cobbs LV, Bandler RC, Streicher C, Cepko CL, Hippenmeyer S, Fishell G:

Clonally Related Forebrain Interneurons Disperse Broadly across Both Functional Areas and Structural Boundaries

Neuron. 2015 Sep 2;87(5):989-98. doi: 10.1016/j.neuron.2015.07.011.

[http://linkinghub.elsevier.com/retrieve/pii/S0896-6273\(15\)00633-9](http://linkinghub.elsevier.com/retrieve/pii/S0896-6273(15)00633-9)

McDaniel K, Huang L, Sato K, Wu N, Annable T, Zhou T, Ramos-Lorenzo S, Wan Y, Huang Q, Francis H, Glaser S, Tsukamoto H, Alpini G, Meng F:

The let-7/lin28 axis regulates activation of hepatic stellate cells in alcoholic liver injury

J Biol Chem. 2017 May 23. pii: jbc.M116.773291. doi: 10.1074/jbc.M116.773291.

<http://www.jbc.org/content/early/2017/05/23/jbc.M116.773291.short>

Micanovic R, Khan S, El-Achkar TM:

Immunofluorescence laser micro-dissection of specific nephron segments in the mouse kidney allows targeted downstream proteomic analysis

Physiol Rep. 2015 Feb 12;3(2). pii: e12306. doi: 10.14814/phy2.12306.

<http://physreports.physiology.org/cgi/lookup?view=long&pmid=25677553>

Mishra PK, Teale JM:

Transcriptome analysis of the ependymal barrier during murine neurocysticercosis

J Neuroinflammation. 2012 Jun 25;9(1):141

<http://www.jneuroinflammation.com/content/9/1/141/abstract>

Mohan RA, Bosada FM, van Weerd JH, van Duijvenboden K, Wang J, Mommersteeg MTM, Hooijkaas IB, Wakker V, de Gier-de Vries C, Coronel R, Boink GJJ, Bakkers J, Barnett P, Boukens BJ, Christoffels VM:
T-box transcription factor 3 governs a transcriptional program for the function of the mouse atrioventricular conduction system

Proc Natl Acad Sci U S A. 2020 Jul 16;201919379. doi: 10.1073/pnas.1919379117.

<https://www.pnas.org/content/early/2020/07/15/1919379117.short>

Mohylyak I, Andriatsilavo M, Bengochea M, Pascual-Caro C, Asfago N, Fonseca-Topp S, Danda N, Cassar M, Marie C, Atak ZK, De Waegeneer M, Aerts S, Corti O, de Juan-Sanz J, Hassan BA:

Temporal transcriptional regulation of mitochondrial morphology primes activity-dependent circuit connectivity

Nat Commun. 2025 Sep 1;16(1):8173. doi: 10.1038/s41467-025-62908-2.

<https://doi.org/10.1038/s41467-025-62908-2>

Moulin C, Dvorianchikova G, Binesfar N, Swingle B, Martinez G, Groso D, Zhang M, Ivanov D, Pelaez D:

Novel laser model of optic nerve transection provides valuable insights about the dynamics of optic nerve regeneration

Research Square, 2nd Nov 2024

<https://doi.org/10.21203/rs.3.rs-5085599/v1>

Moulin C, Dvorianchikova G, Binesfar N, Swingle B, Martinez G, Groso D, Zhang M, Ivanov D, Pelaez D:

Publisher Correction: Novel laser model of optic nerve transection provides valuable insights about the dynamics of optic nerve regeneration

Sci Rep. 2024 Nov 29;14(1):29691. doi: 10.1038/s41598-024-80215-6.

<https://doi.org/10.1038/s41598-024-80215-6>

Mund A, Coscia F, Hollandi R, Kovacs F, Kriston A, Brunner A-D, Bzorek M, Naimy S, Rahbeck Gjerdm LM, Dyring-Andersen B, Bulkescher JM, Lukas C, Gnann C, Lundberg E, Horvath P, Mann M:

AI-driven Deep Visual Proteomics defines cell identity and heterogeneity

bioRxiv, 27 Jan 2021, doi: doi: <https://doi.org/10.1101/2021.01.25.427969>

<https://www.biorxiv.org/content/10.1101/2021.01.25.427969v1>

Nagai-Okatani C, Nagai M, Sato T, Kuno A:

An Improved Method for Cell Type-Selective Glycomic Analysis of Tissue Sections Assisted by Fluorescence Laser Microdissection

Int J Mol Sci. 2019 Feb 6;20(3). pii: E700. doi: 10.3390/ijms20030700.

<http://www.mdpi.com/resolver?pii=ijms20030700>

Nakashima Y, Egami Y, Kimura M, Wakimoto T, Abe I:

Metagenomic Analysis of the Sponge Discodermia Reveals the Production of the Cyanobacterial Natural Product Kasumigamide by 'Entotheonella'

PLoS One. 2016 Oct 12;11(10):e0164468. doi: 10.1371/journal.pone.0164468. eCollection 2016.

<http://dx.plos.org/10.1371/journal.pone.0164468>

Nordmann TM, Anderton H, Hasegawa A, Schweizer L, Zhang P, Stadler PC, Sinha A, Metousis A, Rosenberger FA, Zwiebel M, Satoh TK, Anzengruber F, Strauss MT, Tanzer MC, Saito Y, Gong T, Thielert M, Kimura H, Silke N, Rodriguez EH, Restivo G, Nguyen HH, Gross A, Feldmeyer L, Joerg L, Levesque MP, Murray PJ, Ingen-Housz-Oro S, Mund A, Abe R, Silke J, Ji C, French LE, Mann M:

Spatial proteomics identifies JAKi as treatment for a lethal skin disease

Nature. 2024 Oct 16. doi: 10.1038/s41586-024-08061-0.

<https://www.nature.com/articles/s41586-024-08061-0>

Nozohouri E, Noorani B, Patel D, Ahn Y, Zoubi S, Bickel U:

Assessing blood-brain barrier (BBB) integrity in an Alzheimer's disease mouse model: is the BBB globally or locally disrupted?

Fluids Barriers CNS. 2025 Jul 23;22(1):79. doi: 10.1186/s12987-025-00685-2.

<https://doi.org/10.1186/s12987-025-00685-2>

Öhlund M, Franzen P, Andersson G, Holst BS, Lau J:

Laser Microdissection of Pancreatic Islets Allows for Quantitative Real-Time PCR Detection of Islet-Specific Gene Expression in Healthy and Diabetic Cats

Journal of Gastroenterology, Pancreatology & Liver Disorders

http://www.researchgate.net/publication/270816898_Laser_Microdissection_of_Pancreatic_Islets_Allows_for_Quantitative_Real-Time_PCR_Detection_of_Islet-Specific_Gene_Expression_in_Healthy_and_Diabetic_Cats_Amyloid

Oh H, Newton D, Lewis D, Sibille E:

Lower Levels of GABAergic Function Markers in Corticotropin-Releasing Hormone-Expressing Neurons in the sgACC of Human Subjects With Depression

Front Psychiatry. 2022 Feb 25;13:827972. doi: 10.3389/fpsy.2022.827972. eCollection 2022.

<https://www.frontiersin.org/articles/10.3389/fpsy.2022.827972/full>

Ong W, Marival N, Lin J, Nai MH, Chong YS, Pinese C, Sajikumar S, Lim CT, French-Constant C, Bechler ME, Chew SY

Biomimicking Fiber Platform with Tunable Stiffness to Study Mechanotransduction Reveals Stiffness Enhances Oligodendrocyte Differentiation but Impedes Myelination through YAP-Dependent Regulation

Small. 2020 Aug 12:e2003656. doi: 10.1002/sml.202003656.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/sml.202003656>

Paul ED, Huraiová B, Valková N, Matyasovska N, Gábrišová D, Gubová S, Ignačáková H, Ondris T, Gala M, Barroso L, Bendíková S, Bíla J, Buranovská K, Drobná D, Krchňáková Z, Kryvokhyzha M, Lovíšek D, Mamoiyik V, Mancikova V, Vojtaššáková N, Ristová M, Comino-Méndez I, Andrašina I, Morozov P, Tuschl T, Pareja F, Kather JN & Čekan P:

The spatially informed mFISHseq assay resolves biomarker discordance and predicts treatment response in breast cancer

Nat Commun 16, 226 (2025 Jan 2).

<https://doi.org/10.1038/s41467-024-55583-2>

Pereira M, Birtele M, Shrigley S, Benitez JA, Hedlund E, Parmar M, Ottosson DR:

Direct Reprogramming of Resident NG2 Glia into Neurons with Properties of Fast-Spiking Parvalbumin-Containing Interneurons

Stem Cell Reports. 2017 Aug 22. pii: S2213-6711(17)30333-8. doi: 10.1016/j.stemcr.2017.07.023.

<http://www.sciencedirect.com/science/article/pii/S2213671117303338>

Petrescu AD, Grant S, Williams E, Frampton G, Reinhart EH, Nguyen A, An S, McMillin M, DeMorrow S:

Ghrelin reverses ductular reaction and hepatic fibrosis in a rodent model of cholestasis

Sci Rep. 2020 Sep 29;10(1):16024. doi: 10.1038/s41598-020-72681-5.

<https://www.nature.com/articles/s41598-020-72681-5>

Ping YS, Shun Chang XL, Goh SK, Choong Syn CK:

Optimization of Spermatozoa Detection using Immunofluorescent Staining and Laser Micro-Dissection

Forensic Science International, 13 Jul 2015

<http://www.fsijournal.org/article/S0379-0738%2815%2900278-9/abstract>

Poppe M, Wittig S, Jurida L, Bartkuhn M, Wilhelm J, Müller H, Beuerlein K, Karl N, Bhuj S, Ziebuhr J, Schmitz ML, Kracht M:

The NF- κ B-dependent and -independent transcriptome and chromatin landscapes of human coronavirus 229E-infected cells

PLoS Pathog. 2017 Mar 29;13(3):e1006286. doi: 10.1371/journal.ppat.1006286.
<http://journals.plos.org/plospathogens/article?id=10.1371/journal.ppat.1006286>

Post F, Hausmann A, Kabatnik S, Steigerwald S, Brand A, Clement DL, Skov J, Boyce TL, Sato T, Steenholdt C, Mund A, Nielsen OH, Jensen KB, Mann M:

Deep Visual Proteomics advances human colon organoid models by revealing a switch to an in vivo-like phenotype upon xenotransplantation

bioRxiv preprint, doi: <https://doi.org/10.1101/2024.05.13.593888>; May 14, 2024
<https://doi.org/10.1101/2024.05.13.593888>

Post F, Hausmann A, Kabatnik S, Steigerwald S, Brand A, Clement DL, Skov J, Löhmussaar K, Larsen HL, Maimets M, Boyce TL, Jez G, Sato T, Steenholdt C, Rosenberger F, Mund A, Nielsen OH, Jensen KB, Mann M:

Deep visual proteomics reveals an in vivo-like phenotype of orthotopically transplanted human colon organoids

Cell Systems 16, 101396, September 17, 2025
<https://doi.org/10.1016/j.cels.2025.101396>

Raasch J, Zeller N, van Loo G, Merkler D, Mildner A, Erny D, Knobloch KP, Bethea JR, Waisman A, Knust M, Del Turco D, Deller T, Blank T, Priller J, Brück W, Pasparakis M, Prinz M:

I κ B kinase 2 determines oligodendrocyte loss by non-cell-autonomous activation of NF- κ B in the central nervous system

Brain 134(Pt 4): 1184-98 (Epub 2011)
<http://brain.oxfordjournals.org/content/134/4/1184.long>

Rezk:

Novel techniques in the diagnosis, monitoring and outcome of renal and cardiac amyloidosis

Thesis, 2019

<http://discovery.ucl.ac.uk/10078174/1/Novel%20techniques%20in%20the%20diagnosis%2C%20monitoring%20and%20outcomes%20of%20renal%20and%20cardiac%20amyloidosis%20PhD%20thesis%20Post%20Viva%20Corrections.pdf>

Root DH, Mejias-Aponte CA, Qi J, Morales M:

Role of glutamatergic projections from ventral tegmental area to lateral habenula in aversive conditioning

J Neurosci. 2014 Oct 15;34(42):13906-10. doi: 10.1523/JNEUROSCI.2029-14.2014.
<http://www.jneurosci.org/cgi/pmidlookup?view=long&pmid=25319687>

Rosenberger FA, Mädler SC, Thorhauge KH, Steigerwald S, Fromme M, Lebedev M, Weiss CAM, Oeller M, Wahle M, Zwiebel M, Schmacke NA, Detlefsen S, Boor P, Kaserman J, Wilson A, Fabián O, Franková S, Krag AA, Strnad P, and Mann M:

The proteomic landscape of proteotoxic stress in a fibrogenic liver disease

bioRxiv, 3rd Nov 2024
<https://doi.org/10.1101/2024.11.01.621457>

Roy E, Wong HY, Villani R, Rouille T, Salik B, Sim SL, Murigneux V, Stark MS, Fink JL, Soyer HP, Walker G, Lyons JG, Saunders N, Khosrotehrani K:

Regional Variation in Epidermal Susceptibility to UV-Induced Carcinogenesis Reflects Proliferative Activity of Epidermal Progenitors

Cell Rep. 2020 Jun 2;31(9):107702. doi: 10.1016/j.celrep.2020.107702.
<https://www.sciencedirect.com/science/article/pii/S221124720306720>

Ryden M, Uzunel M, Hård JL, Borgström E, Mold JE, Arner E, Mejhert N, Andersson DP, Widlund Y, Hassan M, Jones CV, Spalding KL, Svahn BM, Ahmadian A, Frisén J, Bernard S, Mattsson J, Arner P:
Transplanted Bone Marrow-Derived Cells Contribute to Human Adipogenesis
Cell Metab. 2015 Jul 14. pii: S1550-4131(15)00278-8. doi: 10.1016/j.cmet.2015.06.011.
[http://linkinghub.elsevier.com/retrieve/pii/S1550-4131\(15\)00278-8](http://linkinghub.elsevier.com/retrieve/pii/S1550-4131(15)00278-8)

Sada N, Fujita Y, Mizuta N, Ueno M, Furukawa T, Yamashita T:
Inhibition of HDAC increases BDNF expression and promotes neuronal rewiring and functional recovery after brain injury
Cell Death Dis. 2020 Aug 18;11(8):655. doi: 10.1038/s41419-020-02897-w.
<https://www.nature.com/articles/s41419-020-02897-w.pdf>

Sadeghi Z, Kenyon JD, Richardson B, Khalifa AO, Cartwright M, Conroy B, Caplan A, Cameron MJ, Hijaz A:
Transcriptomic Analysis of Human Mesenchymal Stem Cell Therapy in Incontinent Rat Injured Urethra
Tissue Eng Part A. 2020 Jul 2. doi: 10.1089/ten.tea.2020.0033.
<https://www.liebertpub.com/doi/10.1089/ten.tea.2020.0033>

Schnorbusch K, Lembrechts R, Pintelon I, Timmermans JP, Brouns I, Adriaensen D:
GABAergic signaling in the pulmonary neuroepithelial body microenvironment: functional imaging in GAD67-GFP mice
Histochem Cell Biol. 2013 Apr 9.
<http://dx.doi.org/10.1007/s00418-013-1093-x>

Schmacke NA, Mädler SC, Wallmann G, Metousis A, Bérouti M, Harz H, Leonhardt H, Mann M, Horning V:
SPARCS, a platform for genome-scale CRISPR screening for spatial cellular phenotypes
bioRxiv, 1 June 2023, DOI: 10.1101/2023.06.01.542416
<https://doi.org/10.1101/2023.06.01.542416>

Schweizer L, Kenny HA, Krishnan R, Kelliher L, Bilecz AJ, Heide J, Donle L, Shimizu A, Metousis A, Mendoza R, Nordmann TM, Rauch S, Richter S, Yan L, Rosenberger FA, Strauss MT, Kurnit KC, Thielert M, Rodriguez E, Müller-Reif JB, Yamada SD, Theis FJ, Mund A, Lastra RR, Mann M, and Lengyel E:
Spatial proteo-transcriptomic profiling reveals the molecular landscape of borderline ovarian tumors and their invasive progression
Cancer Cell, 26 June 2025
<https://doi.org/10.1016/j.ccell.2025.06.004>

Seedat F, Holden K, Davis S, Fischer R, Bancroft J, Drydale E, Kandzija N, Todd JA, Vatish M, Stefana MI:
A new paradigm of islet adaptations in human pregnancy: insights from immunohistochemistry and proteomics.
Nat Commun. 2025 Jul 21;16(1):6687. doi: 10.1038/s41467-025-61852-5.
<https://doi.org/10.1038/s41467-025-61852-5>

Sethi S, Vrana JA, Theis JD, Leung N, Sethi A, Nasr SH, Fervenza FC, Cornell LD, Fidler ME, Dogan A:
Laser microdissection and mass spectrometry-based proteomics aids the diagnosis and typing of renal amyloidosis
Kidney Int. 2012 Apr 11. doi: 10.1038/ki.2012.108.
<http://dx.doi.org/10.1038/ki.2012.108>

Shimizu N, Wada N, Shimizu T, Suzuki T, Takaoka EI, Kanai AJ, de Groat WC, Hirayama A, Hashimoto M, Uemura H, Yoshimura N :

Effects of nerve growth factor neutralization on TRP channel expression in laser-captured bladder afferent neurons in mice with spinal cord injury

Neurosci Lett. 2018 Jun 27. pii: S0304-3940(18)30452-X. doi: 10.1016/j.neulet.2018.06.049.
[https://linkinghub.elsevier.com/retrieve/pii/S0304-3940\(18\)30452-X](https://linkinghub.elsevier.com/retrieve/pii/S0304-3940(18)30452-X)

Sinha N, Zahra T, Gahane AY, Rout B, Bhattacharya A, Basu S, Chakrabarti A, Thakur AK:
Protein reservoirs of seeds are amyloid composites employed differentially for germination and seedling emergence

Plant J. 2023 Oct;116(2):329-346. doi: 10.1111/tpj.16429.
<https://doi.org/10.1111/tpj.16429>

Skalicky S, Zwiers PJ, Kuiper T, Schraml E, Hackl M, Molema G:
Combining laser microdissection and microRNA expression profiling to unmask microRNA signatures in complex tissues

Biotechniques. 2019 Oct 17. doi: 10.2144/btn-2019-0032.
<https://www.future-science.com/doi/pdf/10.2144/btn-2019-0032>

Spagnuolo V, Figlioli F, De Nicola F, Capozzi F, Giordano S:
Tracking the route of phenanthrene uptake in mosses: An experimental trial

Sci Total Environ. 2016 Sep 29. pii: S0048-9697(16)32104-0. doi: 10.1016/j.scitotenv.2016.09.174.
<http://www.sciencedirect.com/science/article/pii/S0048969716321040>

Splinter J, Jakob B, Lang M, Yano K, Engelhardt J, Hell SW, Chen DJ, Durante M, Taucher-Scholz G:
Biological dose estimation of UVA laser microirradiation utilizing charged particle-induced protein foci

Mutagenesis. 2010 May;25(3):289-97. doi: 10.1093/mutage/geq005.
<https://academic.oup.com/mutage/article-lookup/doi/10.1093/mutage/geq005>

Steinecke A, Kurabayashi N, Hayano Y, Ishino Y, Taniguchi H:
In Vivo Single-Cell Genotyping of Mouse Cortical Neurons Transfected with CRISPR/Cas9

Cell Rep. 2019 Jul 9;28(2):325-331.e4. doi: 10.1016/j.celrep.2019.06.038.
[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(19\)30804-6](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(19)30804-6)

Suárez-Calvet X, Gallardo E, Nogales-Gadea G, Querol L, Navas M, Diaz-Manera J, Rojas-Garcia R, Illa I:
Altered RIG-I/DDX58-mediated innate immunity in dermatomyositis

J Pathol. 2014 Mar 6. doi: 10.1002/path.4346.
<http://onlinelibrary.wiley.com/doi/10.1002/path.4346/abstract>

Summer S, Rossmanith E, Pasztorek M, Fiedler C, Gröger M, Rauscher S, Weber V, Fischer MB:
Mesenchymal stem cells support human vascular endothelial cells to form vascular sprouts in human platelet lysate-based matrices

PLoS One. 2022 Dec 15;17(12):e0278895. doi: 10.1371/journal.pone.0278895. eCollection 2022
<https://doi.org/10.1371/journal.pone.0278895>

Sun M, Zheng J, Wnag B and Yao J:
Sperm Cell Capture Based on ABH Antigen Differences to Separate Two Men in Mixed Seminal Stains

BioMed Research International, Volume 2021 | Article ID 7269237
<https://doi.org/10.1155/2021/7269237>

Sundaresan S, Meininger CA, Kang AJ, Photenhauer AL, Hayes MM, Sahoo N, Grembecka J, Cierpicki T, Ding L, Giordano TJ, Else T, Madrigal DJ, Low MJ, Campbell F, Baker A-M, Xu H, Wright NA, Merchant JL:
Gastrin Induces Nuclear Export and Proteasome Degradation of Menin in Enteric Glial Cells

Gastroenterology (2017), doi: 10.1053/j.gastro.2017.08.038.
[https://linkinghub.elsevier.com/retrieve/pii/S0016-5085\(17\)36071-7](https://linkinghub.elsevier.com/retrieve/pii/S0016-5085(17)36071-7)

Swieck K, Conta-Steencken A, Middleton FA, Siebert JR, Osterhout DJ, Stelzner DJ:
Effect of lesion proximity on the regenerative response of long descending propriospinal neurons after spinal transection injury

BMC Neurosci. 2019 Mar 18;20(1):10. doi: 10.1186/s12868-019-0491-y.
<https://bmcneurosci.biomedcentral.com/articles/10.1186/s12868-019-0491-y>

Tachikawa M, Sumiyoshiya Y, Saigusa D, Sasaki K, Watanabe M, Uchida Y, Terasaki T :
Liver zonation index of drug transporter and metabolizing enzyme protein expressions in mouse liver acinus

Drug Metab Dispos. 2018 Mar 5. pii: dmd.117.079244. doi: 10.1124/dmd.117.079244.
<http://dmd.aspetjournals.org/content/dmd/early/2018/03/05/dmd.117.079244.full.pdf?with-ds=yes>

Takahashi N, Hirata Y, Aihara K, Mas P:
A Hierarchical Multi-oscillator Network Orchestrates the Arabidopsis Circadian System

Cell. 2015 Sep 24;163(1):148-59. doi: 10.1016/j.cell.2015.08.062.
[http://linkinghub.elsevier.com/retrieve/pii/S0092-8674\(15\)01114-9](http://linkinghub.elsevier.com/retrieve/pii/S0092-8674(15)01114-9)

Tamaru T, Kobayakawa K, Saiwai H, Konno D, Kijima K, Yoshizaki S, Hata K, Iura H, Ono G, Haruta Y, Kitade K, Iida KI, Kawaguchi KI, Matsumoto Y, Kubota K, Maeda T, Okada S, Nakashima Y:
Glial scar survives until the chronic phase by recruiting scar-forming astrocytes after spinal cord injury

Exp Neurol. 2022 Nov 3;114264. doi: 10.1016/j.expneurol.2022.114264.
<https://doi.org/10.1016/j.expneurol.2022.114264>

Tatsumi K, Kinugawa K, Isonishi A, Kitabatake M, Okuda H, Takemura S, Tanaka T, Mori E, Wanaka A:
Olig2-astrocytes express neutral amino acid transporter SLC7A10 (Asc-1) in the adult brain

Mol Brain. 2021 Nov 8;14(1):163. doi: 10.1186/s13041-021-00874-8.
<https://molecularbrain.biomedcentral.com/articles/10.1186/s13041-021-00874-8>

Tokizane K, Brace CS, Imai SI:
DMH^{Ppp1r17} neurons regulate aging and lifespan in mice through hypothalamic-adipose inter-tissue communication

Cell Metab. 2024 Jan 1:S1550-4131(23)00462-X. doi: 10.1016/j.cmet.2023.12.011.
<https://doi.org/10.1016/j.cmet.2023.12.011>

Valdes DS, Nimo J, Nonn, O, Ulrich J, Forstner D, Haider S, Ressler M, Pignitter M, Muller DN, Dechend R, Gauster M, Coscia F, Herse F:

Maternal smoking in early pregnancy disrupts placental function through syncytiotrophoblast and macrophage dysregulation

bioRxiv, July 15, 2025.
<https://doi.org/10.1101/2025.07.10.664172>

Valleix S, Verona G, Jourde-Chiche N, Nédelec B, Mangione PP, Bridoux F, Mangé A, Dogan A, Goujon JM, Lhomme M, Dauteuille C, Chabert M, Porcari R, Waudby CA, Relini A, Talmud PJ, Kovrov O, Olivecrona G, Stoppini M, Christodoulou J, Hawkins PN, Grateau G, Delpech M, Kontush A, Gillmore JD, Kalopissis AD, Bellotti V:

D25V apolipoprotein C-III variant causes dominant hereditary systemic amyloidosis and confers cardiovascular protective lipoprotein profile

Nat Commun. 2016 Jan 21;7:10353. doi: 10.1038/ncomms10353.
<http://dx.doi.org/10.1038/ncomms10353>

van Hooren L, Vaccaro A, Ramachandran M, Vazaios K, Libard S, van de Walle T, Georganaki M, Huang H, Pietilä I, Lau J, Ulvmar MH, Karlsson MCI, Zetterling M, Mangsbo SM, Jakola AS, Olsson Bontell T, Smits A, Essand M, Dimberg A:

Agonistic CD40 antibody therapy induces tertiary lymphoid structures but impairs the response to immune checkpoint blockade in glioma

bioRxiv, 06 Jan 2021, doi: <https://doi.org/10.1101/2021.01.05.425377>
<https://www.biorxiv.org/content/10.1101/2021.01.05.425377v1.full>

Verckist L, Lembrechts R, Thys S, Pintelon I, Timmermans JP, Brouns I, Adriaensen D:

Selective gene expression analysis of the neuroepithelial body microenvironment in postnatal lungs with special interest for potential stem cell characteristics

Respir Res. 2017 May 8;18(1):87. doi: 10.1186/s12931-017-0571-4.
<https://respiratory-research.biomedcentral.com/articles/10.1186/s12931-017-0571-4>

Vermeulen I:

Multi-omics in drug discovery and development

Doctoral Thesis, Maastricht University, 2024
<https://doi.org/10.26481/dis.20241203iv>

Vermeulen I, Rodriguez-Alvarez N, François L, Viot D, Poosti F, Aronica E, Dedeurwaerdere S, Barton P, Cillero-Pastor B, Heeren RMA:

Spatial omics reveals molecular changes in focal cortical dysplasia type II

Neurobiol Dis. 2024 Apr 2;106491. doi: 10.1016/j.nbd.2024.106491.
<https://doi.org/10.1016/j.nbd.2024.106491>

Wan Y, Slevin E, Koyama S, Huang CK, Shetty AK, Li X, Harrison K, Li T, Zhou B, Lorenzo SR, Zhang Y, Salinas JM, Xu W, Klaunig JE, Wu C, Tsukamoto H, Meng F:

miR-34a regulates macrophage-associated inflammation and angiogenesis in alcohol-induced liver injury

Hepatol Commun. 2023 Apr 4;7(4):e0089. doi: 10.1097/HJC.0000000000000089.
<https://doi.org/10.1097%2FHC9.0000000000000089>

Wang Z, Liu CH, Huang S, Fu Z, Tomita Y, Britton WR, Cho SS, Chen CT, Sun Y, Ma JX, and Chen J:

Wnt signaling activates MFSD2A to suppress vascular endothelial transcytosis and maintain blood-retinal barrier

Science Advances 28 Aug 2020: Vol. 6, no. 35, eaba7457; DOI: 10.1126/sciadv.aba7457
<https://advances.sciencemag.org/content/advances/6/35/eaba7457.full.pdf>

Wang Z, Yemanyi F, Blomfield AK, Bora K, Huang S, Liu CH, Britton WR, Cho SS, Tomita Y, Fu Z, Ma JX, Li WH, Chen J:

Amino acid transporter SLC38A5 regulates developmental and pathological retinal angiogenesis

Elife. 2022 Dec 1;11:e73105. doi: 10.7554/eLife.73105.
<https://elifesciences.org/articles/73105.pdf>

Wei Y, Gong J, Thimmulappa RK, Kosmider B, Biswal S, Duh EJ:

Nrf2 acts cell-autonomously in endothelium to regulate tip cell formation and vascular branching

Proc Natl Acad Sci U S A. 2013 Oct 8;110(41):E3910-E3918.
<http://www.pnas.org/cgi/lookup?view=long&pmid=24062466>

Wei Y, Gong J, Xu Z, Thimmulappa RK, Mitchell KL, Welsbie DS, Biswal S, Duh EJ:

Nrf2 in ischemic neurons promotes retinal vascular regeneration through regulation of semaphorin 6A

Proc Natl Acad Sci U S A. 2015 Nov 30. pii: 201512683.
<http://www.pnas.org/cgi/lookup?view=long&pmid=26621751>

Weiss CAM, Brown LA, Miranda L, Pelizzoni P, Ben-Moshe S, Steigerwald S, Remmert K, Hernandez J, Borgwardt K, Rosenberger FA, Porat-Shliom N, Mann M:

Single cell spatial proteomics maps human liver zonation patterns and their vulnerability to fibrosis

bioRxiv, 13. April 2025

<https://doi.org/10.1101/2025.04.13.648568>

Welsh IC, Thomsen M, Gludish DW, Alfonso-Parra C, Bai Y, Martin JF, Kurpios NA:

Integration of Left-Right Pitx2 Transcription and Wnt Signaling Drives Asymmetric Gut Morphogenesis via Daam2

Dev Cell. 2013 Sep 30;26(6):629-44. doi: 10.1016/j.devcel.2013.07.019.

[http://linkinghub.elsevier.com/retrieve/pii/S1534-5807\(13\)00449-8](http://linkinghub.elsevier.com/retrieve/pii/S1534-5807(13)00449-8)

Winick-Ng W, Kukalev A, Harabula I, Redondo LZ, Szabo D, Meijer M, Serebreni L, Zhang Y, Bianco S, Chiariello AM, Irastorza-Azcarate I, Thieme CJ, Sparks TM, Carvalho S, Fiorillo L, Musella F, Irani E, Triglia ET, Kolodziejczyk AA, Abentung A, Apostolova A, Paul EJ, Franke V, Kempfer R, Akalin A, Teichmann SA, Dechant G, Ungless MA, Nicodemi M, Welch L, Castelo-Branco G, Pombo A:

Cell-type specialization in the brain is encoded by specific long-range chromatin topologies

bioRxiv, 2021; doi: <https://doi.org/10.1101/2020.04.02.020990>

<https://www.biorxiv.org/content/10.1101/2020.04.02.020990v3>

Winter L, Wittig I, Peeva V, Eggers B, Heidler J, Chevessier F, Kley RA, Barkovits K, Strecker V, Berwanger C, Herrmann H, Marcus K, Kornblum C, Kunz WS, Schröder R, Clemen CS:

Mutant desmin substantially perturbs mitochondrial morphology, function and maintenance in skeletal muscle tissue

Acta Neuropathol. 2016 Jul 8.

<http://dx.doi.org/10.1007/s00401-016-1592-7>

Xie W, Zhang H, Zeng J, Chen H, Zhao Z, Liang Z:

Tissues-based chemical profiling and semi-quantitative analysis of bioactive components in the root of *Salvia miltiorrhiza* Bunge by using laser microdissection system combined with UPLC-q-TOF-MS

Chem Cent J. 2016 Jul 13;10:42. doi: 10.1186/s13065-016-0187-7. eCollection 2016.

<http://www.journal.chemistrycentral.com/content/10/42>

Xiong H, Zhou Y, Zhou Q, He D, Deng X, Sun Q, Zhang J:

Nanocapsule assemblies as effective enzyme delivery systems against hyperuricemia

Nanomedicine. 2016 Mar 21. pii: S1549-9634(16)30001-6. doi: 10.1016/j.nano.2016.02.010.

[http://linkinghub.elsevier.com/retrieve/pii/S1549-9634\(16\)30001-6](http://linkinghub.elsevier.com/retrieve/pii/S1549-9634(16)30001-6)

Xu R, Lu J, Wu J, Yu D, Chu S, Guan F, Liu W, Hu J, Peng H, Zha L:

Comparative analysis in different organs and tissue-specific metabolite profiling of *Atractylodes lancea* from four regions by GC-MS and laser microdissection

J Sep Sci. 2021 Dec 28. doi: 10.1002/jssc.202100924.

<https://analyticalsciencejournals.onlinelibrary.wiley.com/doi/epdf/10.1002/jssc.202100924>

Xydia M, Rahbari R, Ruggiero E, Macaulay I, Tarabichi M, Lohmayer R, Wilkening S, Michels T, Brown D, Vanuytven S, Mastitskaya S, Laidlaw S, Grabe N, Pritsch M, Fronza R, Hexel K, Schmitt S, Müller-Steinhardt M, Halama N, Domschke C, Schmidt M, von Kalle C, Schütz F, Voet T, Beckhove P.

Common clonal origin of conventional T cells and induced regulatory T cells in breast cancer patients

Nat Commun. 2021 Feb 18;12(1):1119. doi: 10.1038/s41467-021-21297-y.

<https://www.nature.com/articles/s41467-021-21297-y>

Yamaguchi T, Wei D, Song SC, Lim B, Tritsch NX, Lin D:

Posterior amygdala regulates sexual and aggressive behaviors in male mice.

Nat Neurosci. 2020 Jul 27. doi: 10.1038/s41593-020-0675-x.

<https://www.nature.com/articles/s41593-020-0675-x>

Yi L, Liang ZT, Peng Y, Yao X, Chen HB, Zhao ZZ:

Tissue-specific metabolite profiling of alkaloids in Sinomenii Caulis using laser microdissection and liquid chromatography-quadrupole/time of flight-mass spectrometry

J Chromatogr A. 2012 May 24. [Epub ahead of print]

<http://www.sciencedirect.com/science/article/pii/S002196731200787X>

Yokota K, Kobayakawa K, Kubota K, Miyawaki A, Okano H, Ohkawa Y, Iwamoto Y, Okada S:

Engrafted Neural Stem/Progenitor Cells Promote Functional Recovery through Synapse Reorganization with Spared Host Neurons after Spinal Cord Injury

Stem Cell Reports. 2015 Jul 14. pii: S2213-6711(15)00185-X. doi: 10.1016/j.stemcr.2015.06.004.

[http://linkinghub.elsevier.com/retrieve/pii/S2213-6711\(15\)00185-X](http://linkinghub.elsevier.com/retrieve/pii/S2213-6711(15)00185-X)

Yoshioka W, Endo N, Kurashige A, Haijima A, Endo T, Shibata T, Nishiyama R, Takeyama M, Tohyama C:

Fluorescence laser microdissection reveals a distinct pattern of gene activation in the mouse hippocampal region

Sci Rep. 2012;2:783. doi: 10.1038/srep00783.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC23136640/>

Yoshizaki S, Tamaru T, Hara M, Kijima K, Tanaka M, Konno DJ, Matsumoto Y, Nakashima Y, Okada S:

Microglial inflammation after chronic spinal cord injury is enhanced by reactive astrocytes via the fibronectin/ β 1 integrin pathway

J Neuroinflammation. 2021 Jan 6;18(1):12. doi: 10.1186/s12974-020-02059-x.

<https://jneuroinflammation.biomedcentral.com/articles/10.1186/s12974-020-02059-x>

Zelissen R, Ahmadian S, Montilla-Rojo J, Timmer E, Ummelen M, Hopman A, Smeets H and van Tienen F:

Fusion of Wild-Type Mesoangioblasts with Myotubes of mtDNA Mutation Carriers Leads to a Proportional Reduction in mtDNA Mutation Load

Int. J. Mol. Sci. 2023, 24, 2679.

<https://doi.org/10.3390/ijms24032679>

Zhang Y, Xu L, Li X, Chen Z, Chen J, Zhang T, Gu X, Yang J:

Deciphering the dynamic niches and regeneration-associated transcriptional program of motoneurons following peripheral nerve injury

iScience. 2022 Aug 11;25(9):104917. doi: 10.1016/j.isci.2022.104917.

<https://doi.org/10.1016/j.isci.2022.104917>

Zhao J, Li x, Luo Q, Chen L, Chai L, Huang Y, and Fang L:

Screening of surface markers on rat intestinal mucosa microfold cells by using laser capture microdissection combined with protein chip technology

Int J Clin Exp Med 2014;7(4):932-939; www.ijcem.com, /ISSN:1940-5901/IJCEM1401061

<http://www.ijcem.com/files/ijcem1401061.pdf>

Zhao LL, Zhang T, Huang WX, Gui TT, Gu XS:

Transcriptional regulatory network during axonal regeneration of dorsal root ganglion neurons: laser-capture microdissection and deep sequencing

Neural Regen Res 18(0):000-000. (Jan 2023)

<https://doi.org/10.4103/1673-5374.366494>

Zhao S, DeFinis JH, and Hou S:

Alterations of Dopamine-Related Transcripts in A11 Diencephalospinal Pathways after Spinal Cord Injury

Neural Plasticity, 15 Jan 2021, Volume 2021, Article ID 8838932, 12 pages
<https://doi.org/10.1155/2021/8838932>

Zhao Y, Chu S, Gui S, Qin Y, Xu R, Shan T, Peng H:

Tissue-specific metabolite profiling of Fallopia multiflora (Heshouwu) and Fallopia multiflora var. angulata by mass spectrometry imaging and laser microdissection combined with UPLC-Q/TOF-MS

Journal of Pharmaceutical and Biomedical Analysis, Volume 200, 5 June 2021, 114070
<https://www.sciencedirect.com/science/article/abs/pii/S0731708521001813#!>

Zheng X, Mund A, Mann M:

Deciphering functional tumor-immune crosstalk through highly multiplexed imaging and deep visual proteomics

bioRxiv preprint, May 23, 2024
<https://doi.org/10.1101/2024.05.22.595266>

Zheng X, Mund A, Mann M:

Deciphering functional tumor-immune crosstalk through highly multiplexed imaging and deep visual proteomics

Molecular Cell, 14 Jan 2025, ISSN 1097-2765, DOI: 10.1016/j.molcel.2024.12.023
<https://doi.org/10.1016/j.molcel.2024.12.023>

Zhou Q, Yang L, Verne ZT, Zhang BB, Fields JZ, Thacker AT, Verne GN:

Human colonic EVs induce murine enteric neuroplasticity via the lncRNA GAS5/miR-23/NMDA NR2B axis

JCI Insight. 2025 Mar 10;10(5):e178631. doi: 10.1172/jci.insight.178631.
<https://doi.org/10.1172/jci.insight.178631>

Zhu Y, Piehowski PD, Zhao R, Chen J, Shen Y, Moore RJ, Shukla AK, Petyuk VA, Campbell-Thompson M, Mathews CE, Smith RD, Qian WJ, Kelly RT

Nanodroplet processing platform for deep and quantitative proteome profiling of 10-100 mammalian cells

Nat Commun. 2018 Feb 28;9(1):882. doi: 10.1038/s41467-018-03367-w.
<https://www.nature.com/articles/s41467-018-03367-w.pdf>

Zhu Y, Zou C, Zhang J, Jiang W, Guan F, Tang K, Li S, Li G, Wang J, Ke Z:

Dynamically Monitoring the Clonal Evolution of Lung Cancer Based on the Molecular Characterization of Circulating Tumor Cells using Aptamer Cocktail-Modified Nanosubstrates

ACS Appl Mater Interfaces. 2020 Jan 15. doi: 10.1021/acsami.9b22234.
<https://dx.doi.org/10.1021/acsami.9b22234>

7. Cancer-Research

Making space for spatial biology in the clinic

Nat Biotechnol (6 Jan2025).

<https://doi.org/10.1038/s41587-024-02543-2>

Acha-Sagredo A, Andrei P, Clayton K, Taggart E, Antoniotti C, Woodman CA, Afrache H, Fourny C, Armero M, Moinudeen HK, Green M, Bhardwaj N, Mikolajczak A, Rodriguez-Lopez M, Crawford M, Connick E, Lim S, Hobson P, Linares J, Ignatova E, Pelka D, Smyth EC, Diamantis N, Sosnowska D, Carullo M, Ciraci P, Bergamo F, Intini R, Nye E, Barral P, Mishto M, Arnold JN, Lonardi S, Cremolini C, Fontana E, Rodriguez-Justo M, Ciccarelli FD:

A constitutive interferon-high immunophenotype defines response to immunotherapy in colorectal cancer

Cancer Cell. 2025 Jan 13:S1535-6108(24)00483-5. doi: 10.1016/j.ccell.2024.12.008.

<https://doi.org/10.1016/j.ccell.2024.12.008>

Adachi JI, Shirahata M, Suzuki T, Mishima K, Uchida E, Sasaki A, Nishikawa R:

Droplet digital PCR assay for detecting TERT promoter mutations in patients with glioma.

Brain Tumor Pathol. 2021 Jun 14. doi: 10.1007/s10014-021-00403-4.

<https://link.springer.com/article/10.1007/s10014-021-00403-4>

Ahmed A, Köhler S, Klotz R, Giese N, Hackert T, Springfield C, Jäger D, and Halama N:

Sex Differences in the Systemic and Local Immune Response of Pancreatic Cancer Patients

Cancers 2023, 15(6), 1815; <https://doi.org/10.3390/cancers15061815>

<https://www.mdpi.com/2072-6694/15/6/1815>

Ahmed A, Köhler S, Klotz R, Giese N, Hackert T, Springfield C, Zörnig I, Jäger D, and Halama N:

Tertiary lymphoid structures and their association to immune phenotypes and circulatory IL2 levels in pancreatic ductal adenocarcinoma

Oncoimmunology, 31 Jan 2022, Vol. 11, No. 1, e2027148

<https://doi.org/10.1080/2162402X.2022.2027148>

Ährlund-Richter A, Holzhauser S, Dalianis T, Näsman A, and Mints M:

Whole-Exome Sequencing of HPV Positive Tonsillar and Base of Tongue Squamous Cell Carcinomas Reveals a Global Mutational Pattern along with Relapse-Specific Somatic Variants

Cancers 2022, 14, 77. <https://doi.org/10.3390/cancers14010077>

<https://www.mdpi.com/2072-6694/14/1/77>

Ai J, Pascal LE, O'Malley KJ, Dar JA, Isharwal S, Qiao Z, Ren B, Rigatti LH, Dhir R, Xiao W, Nelson JB, Wang Z:

Concomitant loss of EAF2/U19 and Pten synergistically promotes prostate carcinogenesis in the mouse model

Oncogene. 2013 May 27. doi: 10.1038/onc.2013.190.

<http://dx.doi.org/10.1038/onc.2013.190>

Aikawa H, Hayashi M, Ryu S, Yamashita M, Ohtsuka N, Nishidate M, Fujiwara Y, Hamada A:

Visualizing spatial distribution of alectinib in murine brain using quantitative mass spectrometry imaging

Sci Rep. 2016 Mar 30;6:23749. doi: 10.1038/srep23749.

<http://dx.doi.org/10.1038/srep23749>

Aikawa S, Hiraoka T, Matsuo M, Fukui Y, Fujita H, Saito-Fujita T, Shimizu-Hirota R, Takeda N, Hiratsuka D, He X, Ishizawa C, Iida R, Akaeda S, Harada M, Wada-Hiraike O, Ikawa M, Osuga Y, Hirota Y:
Spatiotemporal functions of leukemia inhibitory factor in embryo attachment and implantation chamber formation

Cell Death Discov. 2024 Nov 25;10(1):481. doi: 10.1038/s41420-024-02228-4.

<https://doi.org/10.1038/s41420-024-02228-4>

Akiyoshi T, Wang Z, Kaneyasu T, Gotoh O, Tanaka N, Amino S, Yamamoto N, Kawachi H, Mukai T, Hiyoshi Y, Nagasaki T, Yamaguchi T, Konishi T, Fukunaga Y, Noda T, Mori S

Transcriptomic Analyses of Pretreatment Tumor Biopsy Samples, Response to Neoadjuvant Chemoradiotherapy, and Survival in Patients With Advanced Rectal Cancer

JAMA Netw Open. 2023 Jan 3;6(1):e2252140. doi: 10.1001/jamanetworkopen.2022.52140.

<https://doi.org/10.1001/jamanetworkopen.2022.52140>

Al Hamad M, Matalaka I, Al Zoubi MA, Armogida I, Khasawneh R, Al-Hussein M, Sughayer M, Jaradat S, Al-Nasser A, and Mazzanti CM:

Human Mammary Tumor Virus, Human Papilloma Virus, and Epstein-Barr Virus Infection Are Associated With Sporadic Breast Cancer Metastasis

Breast Cancer: Basic and Clinical Research Volume 14: 1–8

<https://journals.sagepub.com/doi/pdf/10.1177/1178223420976388>

Alberts D, Pottier C, Smargiasso N, Baiwir D, Mazzucchelli G, Delvenne P, Kriegsmann M, Kazdal D, Warth A, De Pauw E, Longuespée R:

MALDI Imaging-Guided Microproteomic Analyses of Heterogeneous Breast Tumors-A Pilot Study

Proteomics Clin Appl. 2018 Jan;12(1). doi: 10.1002/prca.201700062.

<https://doi.org/10.1002/prca.201700062>

Albino D, Scaruffi P, Moretti S, Coco S, Truini M, Di Cristofano C, Cavazzana A, Stigliani S, Bonassi S, Tonini GP:

Identification of low intratumoral gene expression heterogeneity in neuroblastic tumors by genome-wide expression analysis and game theory

Cancer. 2008 Sep 15;113(6):1412-22.

<http://onlinelibrary.wiley.com/doi/10.1002/cncr.23720/abstract>

An S, Kim MJ, Kim SJ, Sung YN, Kim YW, Song KB, Hwang DW, Kim SC, Hruban RH, Hong SM

Multiple KRAS mutations in the non-mucinous epithelial lining in the majority of mucinous cystic neoplasms of the pancreas

Histopathology. 2019 May 11. doi: 10.1111/his.13897.

<https://doi.org/10.1111/his.13897>

Anglesio MS, Papadopoulos N, Ayhan A, Nazeran TM, Noë M, Horlings HM, Lum A, Jones S, Senz J, Seckin T, Ho J, Wu RC, Lac V, Ogawa H, Tessier-Cloutier B, Alhassan R, Wang A, Wang Y, Cohen JD, Wong F, Hasanovic A, Orr N, Zhang M, Popoli M, McMahon W, Wood LD, Mattox A, Allaire C, Segars J, Williams C, Tomasetti C, Boyd N, Kinzler KW, Gilks CB, Diaz L, Wang TL, Vogelstein B, Yong PJ, Huntsman DG, Shih IM:

Cancer-Associated Mutations in Endometriosis without Cancer

N Engl J Med. 2017 May 11;376(19):1835-1848. doi: 10.1056/NEJMoa1614814.

[http://www.nejm.org/doi/abs/10.1056/NEJMoa1614814?url_ver=Z39.88-](http://www.nejm.org/doi/abs/10.1056/NEJMoa1614814?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed)

[2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed](http://www.nejm.org/doi/abs/10.1056/NEJMoa1614814?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed)

Anjiki H, Mukaisho KI, Kadomoto Y, Doi H, Yoshikawa K, Nakayama T, Vo DT, Hattori T, Sugihara H:
Adenocarcinoma arising in multiple hyperplastic polyps in a patient with Helicobacter pylori infection and hypergastrinemia during long-term proton pump inhibitor therapy

Clin J Gastroenterol. 2017 Feb 3. doi: 10.1007/s12328-017-0714-7.

<http://link.springer.com/article/10.1007/s12328-017-0714-7>

Ao T, Mochizuki S, Kajiwaru Y, Yonemura K, Shiraishi T, Nagata K, Shinto E, Okamoto K, Nearchou IP, Shimazaki H, Kishi Y, Okada Y, Ueno H:

Cancer-associated fibroblasts at the unfavorable desmoplastic stroma promote colorectal cancer aggressiveness: potential role of ADAM9

Int J Cancer. 2022 Jan 26. doi: 10.1002/ijc.33947.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/ijc.33947>

Aoki Y, Mizuma M, Hata T, Aoki T, Omori Y, Ono Y, Mizukami Y, Unno M, Furukawa T

Intraductal papillary neoplasms of the bile duct are consisted of two distinct types specifically associated with clinicopathological features and molecular phenotypes

J Pathol. 2020 Feb 26. doi: 10.1002/path.5398.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/path.5398>

Ardighieri L, Mori L, Conzadori S, Bugatti M, Falchetti M, Donzelli CM, Ravaggi A, Odicino FE, Facchetti F

Identical TP53 mutations in pelvic carcinosarcomas and associated serous tubal intraepithelial carcinomas provide evidence of their clonal relationship

Virchows Arch. 2016 Apr 8.

<http://dx.doi.org/10.1007/s00428-016-1933-x>

Ardighieri L, Zeppernick F, Hannibal CG, Vang R, Cope L, Junge J, Kjaer SK, Kurman RJ, Shih IM:

Mutational Analysis of BRAF and KRAS in Ovarian Atypical Proliferative Serous (Borderline) Tumors and Associated Peritoneal Implants

J. Pathol., 1096-9896, 10.1002/path.4293, 2013

<http://dx.doi.org/10.1002/path.4293>

Arentz G, Chataway T, Condina MR, Price TJ, Hoffmann P and Hardingham JE:

Increased Phospho-Keratin 8 Isoforms in Colorectal Tumors Associated with EGFR Pathway Activation and Reduced Apoptosis

ISRN Molecular Biology, Volume 2012 (2012), Article ID 706545, 8 pages: doi:10.5402/2012/706545

<http://www.isrn.com/journals/mb/2012/706545/>

Arentz G, Mittal P, Klingler-Hoffmann M, Condina MR, Ricciardelli C, Lokman NA, Kaur G, Oehler MK, and Hoffmann P:

Label-Free Quantification Mass Spectrometry Identifies Protein Markers of Chemotherapy Response in High-Grade Serous Ovarian Cancer

Cancers 2023, 15(7), 2172

<https://doi.org/10.3390/cancers15072172>

Arstad C, Taskén K, Refinetti P, Axcróna U, Giercksky K-E, Ekstrøm PO:

Somatic Mitochondrial DNA Point Mutations Used as Biomarkers to Demonstrate Genomic Heterogeneity in Primary Prostate Cancer

Prostate Cancer, 28 Aug 2020, Volume 2020, Article ID 7673684

<https://www.hindawi.com/journals/pc/2020/7673684/>

Asrani K, Woo J, Mendes AA, Schaffer E, Vidotto T, Villanueva CR, Feng K, Oliveira L, Murali S, Liu HB, Salles DC, Lam B, Argani P, Lotan TL:

An mTORC1-mediated negative feedback loop constrains amino acid-induced FLCN-Rag activation in renal cells with TSC2 loss

Nat Commun. 2022 Nov 10;13(1):6808. doi: 10.1038/s41467-022-34617-7.

<https://www.nature.com/articles/s41467-022-34617-7>

Asztalos S, Gann PH, Hayes MK, Nonn L, Beam CA, Dai Y, Wiley EL, Tonetti DA:

Gene expression patterns in the human breast after pregnancy

Cancer Prev Res (Phila). 2010 Mar;3(3):301-11

<http://cancerpreventionresearch.aacrjournals.org/content/3/3/301.short>

Asztalos S, Pham TN, Gann PH, Hayes MK, Deaton R, Wiley EL, Emmadi R, Kajdacsy-Balla A, Banerji N, McDonald W, Khan SA, Tonett DA:

High incidence of triple negative breast cancers following pregnancy and an associated gene expression signature

SpringerPlus (2015) 4:710, DOI 10.1186/s40064-015-1512-7

<http://www.springerplus.com/content/pdf/s40064-015-1512-7.pdf>

Augello C, Gianelli U, Savi F, Moro A, Bonoldi E, Gambacorta M, Vaira V, Baldini L, Bosari S:

MicroRNA as potential biomarker in HCV-associated diffuse large B-cell lymphoma

J Clin Pathol. 2014 Jun 9. pii: jclinpath-2014-202352. doi: 10.1136/jclinpath-2014-202352.

<http://jcp.bmj.com/cgi/pmidlookup?view=long&pmid=24914240>

Augello C, Vaira V, Caruso L, Destro A, Maggioni M, Park YN, Montorsi M, Santambrogio R, Roncalli M, Bosari S:

MicroRNA profiling of hepatocarcinogenesis identifies C19MC cluster as a novel prognostic biomarker in hepatocellular carcinoma

Liver Int. 2012 Mar 19. doi: 10.1111/j.1478-3231.2012.02795.x. [Epub ahead of print]

<http://onlinelibrary.wiley.com/doi/10.1111/j.1478-3231.2012.02795.x/full>

Avan A, Caretti V, Funel N, Galvani E, Maftouh M, Honeywell RJ, Lagerweij T, Van Tellingen O, Campani D, Fuchs D, Verheul HM, Schuurhuis GJ, Boggi U, Peters GJ, Wurdinger T, Giovannetti E:

Crizotinib inhibits metabolic inactivation of gemcitabine in c-Met-driven pancreatic carcinoma

Cancer Res. 2013 Oct 1.

<http://cancerres.aacrjournals.org/cgi/pmidlookup?view=long&pmid=24085787>

Avan A, Crea F, Paolicchi E, Funel N, Galvani E, Marquez VE, Honeywell RJ, Danesi R, Peters GJ, Giovannetti E:

Molecular mechanisms involved in the synergistic interaction of the EZH2 inhibitor 3-deazaneplanocin A (DZNeP) with gemcitabine in pancreatic cancer cells

Mol Cancer Ther. 2012 May 23

<http://mct.aacrjournals.org/content/early/2012/05/23/1535-7163.MCT-12-0037.abstract>

Ayars M, O'Sullivan E, Macgregor-Das A, Shindo K, Kim H, Borges M, Yu J, Hruban RH, Goggins M:
IL2RG, identified as overexpressed by RNA-seq profiling of pancreatic intraepithelial neoplasia, mediates pancreatic cancer growth

Oncotarget. 2017 Aug 3;8(48):83370-83383. doi: 10.18632/oncotarget.19848.

<http://www.impactjournals.com/oncotarget/misc/linkedout.php?pii=19848>

Bagan JV, Mata-Roig M, Cortio-Gimeno J, Murillo-Cortes J, Hens-Aumente E, Poveda-Roda R, Bagan L:
Epidermal growth factor receptor copy number in potentially malignant oral disorders and oral squamous cell carcinoma: a short communication and preliminary study

J Oral Pathol Med. 2012 Mar 14. doi: 10.1111/j.1600-0714.2012.01137.x.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1600-0714.2012.01137.x/abstract>

Bainer RO, Veneris JT, Yamada SD, Montag A, Lingen MW, Gilad Y, Rinker-Schaeffer CW:

Time-dependent transcriptional profiling links gene expression to mitogen-activated protein kinase kinase 4 (MKK4)-mediated suppression of omental metastatic colonization

Clin Exp Metastasis. 2012 Feb 21. [Epub ahead of print]

<http://dx.doi.org/10.1007/s10585-011-9448-y>

Balbinot C, Armant O, Elarouci N, Marisa L, Martin E, De Clara E, Onea A, Deschamps J, Beck F, Freund JN, Duluc I:

The Cdx2 homeobox gene suppresses intestinal tumorigenesis through non-cell-autonomous mechanisms

J Exp Med. 2018 Feb 8. pii: jem.20170934. doi: 10.1084/jem.20170934.
<http://jem.rupress.org/cgi/pmidlookup?view=long&pmid=29439001>

Bandapalli, O.R., Geheeb, M., Kobelt, D., Kuehnle, K., Elezkurtaj, S., Herrmann, J., Gressner, A.M., Weiskirchen, R., Beule, D., Bluthgen, N., Herzel, H., Franke, C., and Brand, K.:

Global analysis of host tissue gene expression in the invasive front of colorectal liver metastases

Int J Cancer 118(1): 74-89 (2006)

<http://onlinelibrary.wiley.com/doi/10.1002/ijc.21307/full>

Bao W, Wang HH, Tian FJ, He XY, Qiu MT, Wang JY, Zhang HJ, Wang LH, Wan XP:

A TrkB-STAT3-miR-204-5p regulatory circuitry controls proliferation and invasion of endometrial carcinoma cells

Mol Cancer. 2013 Dec 9;12(1):155.

<http://www.molecular-cancer.com/content/12/1/155>

Baquedano MS, Garrido NP, Goñi J, Saraco N, Aliberti P, Berensztejn E, Rivarola MA, Belgorosky A:

DNA methylation is not involved in specific down-regulation of HSD3B2, NR4A1 and RAR β genes in androgen-secreting cells of human adrenal cortex

Molecular and Cellular Endocrinology, 23 Sep 2016, ISSN 0303-7207

<http://dx.doi.org/10.1016/j.mce.2016.09.024>

Barault L, Ellsworth RE, Harris HR, Valente AL, Shriver CD, and Michels KB:

Leukocyte DNA as Surrogate for the Evaluation of Imprinted Loci Methylation in Mammary Tissue DNA

PLoS ONE 8(2): e55896. doi:10.1371/journal.pone.0055896

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0055896>

Barrow TM, Barault L, Ellsworth RE, Harris HR, Binder AM, Valente AL, Shriver CD, Michels KB:

Aberrant methylation of imprinted genes is associated with negative hormone receptor status in invasive breast cancer

Int J Cancer. 2015 Jan 5. doi: 10.1002/ijc.29419.

<http://dx.doi.org/10.1002/ijc.29419>

Barwinska D, El-Achkar TM, Ferreira RM, Syed F, Cheng YH, Winfree S, Ferkowicz MJ, Hato T, Collins KS, Dunn KW, Kelly KJ, Sutton TA, Rovin BH, Parikh SV, Phillips CL, Dagher PC, Eadon MT; Kidney Precision Medicine Project:

Molecular characterization of the human kidney interstitium in health and disease.

Sci Adv. 2021 Feb 10;7(7):eabd3359. doi: 10.1126/sciadv.abd3359. P

<https://advances.sciencemag.org/content/advances/7/7/eabd3359.full.pdf>

Baslan T, Morris JP 4th, Zhao Z, Reyes J, Ho YJ, Tsanov KM, Bermeo J, Tian S, Zhang S, Askan G, Yavas A, Lecomte N, Erakky A, Varghese AM, Zhang A, Kendall J, Ghiban E, Chorbadjiev L, Wu J, Dimitrova N, Chadalavada K, Nanjangud GJ, Bandlamudi C, Gong Y, Donoghue MTA, Socci ND, Krasnitz A, Notta F, Leach SD, Iacobuzio-Donahue CA, Lowe SW:

Ordered and deterministic cancer genome evolution after p53 loss.

Nature. 2022 Aug;608(7924):795-802. doi: 10.1038/s41586-022-05082-5.

<https://www.nature.com/articles/s41586-022-05082-5>

Bateman NW, Abulez T, Soltis AR, McPherson A, Choi S, Garsed DW, Pandey A, Tian C, Hood BL, Conrads KA, Teng PN, Oliver J, Gist G, Mitchell D, Litzi TJ, Tarney CM, Crothers BA, Mhawech-Fauceglia P, Dalgard CL, Wilkerson MD, Pierobon M, Petricoin EF, Yan C, Meerzaman D, Bodelon C, Wentzensen N, Lee JSH; APOLLO Research Network; Huntsman DG, Shah S, Shriver CD, Phippen NT, Darcy KM, Bowtell DDL, Conrads TP, Maxwell GL:

Proteogenomic analysis of enriched HGSOC tumor epithelium identifies prognostic signatures and therapeutic vulnerabilities

NPJ Precis Oncol. 2024 Mar 13;8(1):68. doi: 10.1038/s41698-024-00519-8.

<https://www.nature.com/articles/s41698-024-00519-8>

Bateman NW, Teng PN, Hope E, Hood BL, Oliver J, Ao W, Zhou M, Wang G, Tommarello D, Wilson K, Litzy T, Conrads KA, Hamilton CA, Darcy KM, Casablanca Y, Maxwell GL, Bae-Jump V, Conrads TP: **Jupiter microtubule-associated homolog 1 (JPT1): A predictive and pharmacodynamic biomarker of metformin response in endometrial cancers**

Cancer Med. 2019 Dec 6. doi: 10.1002/cam4.2729.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/cam4.2729>

Baumann B, Acosta AM, Richards Z, Deaton R, Sapatynska A, Murphy A, Kajdacsy-Balla A, Gann PH, Nonn L:

High miR-182 Levels Associate with Low-Risk Prostate Cancer

Am J Pathol. 2019 Jan 28. pii: S0002-9440(18)30384-5. doi: 10.1016/j.ajpath.2018.12.014.

<https://www.sciencedirect.com/science/article/pii/S0002944018303845>

Becette, V., Vignaud, S., Regnier, C., Labroquere, M., Fourme, E., Menet, E., Bieche, I., and Spyrtatos, F.: **Gene transcript assay by real-time RT-PCR in epithelial breast cancer cells selected by laser microdissection**

Int J Biol Markers 19(2): 100-108 (2004)

<http://cat.inist.fr/?aModele=afficheN&cpsidt=15941984>

Becker V, Yuan X, Boewe AS, Ampofo E, Ebert E, Hohneck J, Bohle RM, Meese E, Zhao Y, Menger MD, Laschke MW, Gu Y:

Hypoxia-induced downregulation of microRNA-186-5p in endothelial cells promotes non-small cell lung cancer angiogenesis by upregulating protein kinase C alpha

Molecular Therapy: Nucleic Acid, 23. Jan 2023, S2162-2531(23)00018-5

<https://doi.org/10.1016/j.omtn.2023.01.015>

Bertagnolo V, Grassilli S, Volinia S, Al-Qassab Y, Brugnoli F, Vezzali F, Lambertini E, Palomba M, Piubello Q, Orvieto E, Natali C, Piva MR, Croce CM, Capitani S:

Ectopic expression of PLC-β2 in non-invasive breast tumor cells plays a protective role against malignant progression and is correlated with the deregulation of miR-146a

Mol Carcinog. 2018 Dec 23. doi: 10.1002/mc.22964.

<https://doi.org/10.1002/mc.22964>

Betta P.G., Olivieri F., Lazzarini R., Ceka A., Graciotti L., Babini L., Rippo M.R., Procopio A., Grosso F., Libener R.:

miRNAs signature in microdissected tissues and primary cultured cells of malignant mesothelioma

J Clin Oncol 29: 2011 (suppl; abstr e21031)

http://www.asco.org/ascov2/Meetings/Abstracts?&vmview=abst_detail_view&confID=102&abstractID=78897

Bhattacharyya S, Feferman L, Han X, Zhang F, Linhardt RJ, and Tobacman JK:

Increased CHST15 follows decline in arylsulfatase B (ARSB) and disinhibition of non-canonical WNT signaling: potential impact on epithelial and mesenchymal identity

Oncotarget. 2020; 11:2327-2344.

<https://doi.org/10.18632/oncotarget.27634>

Bhattacharyya S, Feferman L, Tobacman JK:

Dihydrotestosterone inhibits arylsulfatase B and Dickkopf Wnt signaling pathway inhibitor (DKK)-3 leading to enhanced Wnt signaling in prostate epithelium in response to stromal Wnt3A

Prostate. 2019 Feb 22. doi: 10.1002/pros.23776.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/pros.23776>

Bhome R, Mellone M, Emo K, Thomas GJ, Sayan AE, Mirnezami AH:

The Colorectal Cancer Microenvironment: Strategies for Studying the Role of Cancer-Associated Fibroblasts

Methods Mol Biol. 2018;1765:87-98. doi: 10.1007/978-1-4939-7765-9_6.

https://link.springer.com/protocol/10.1007/978-1-4939-7765-9_6

Björner S, Fitzpatrick PA, Li Y, Allred C, Howell A, Ringberg A, Olsson H, Miller CJ, Axelson H, Landberg G:

Epithelial and Stromal MicroRNA Signatures of Columnar Cell Hyperplasia Linking Let-7c to Precancerous and Cancerous Breast Cancer Cell Proliferation

PLoS One. 2014 Aug 14;9(8):e105099. doi: 10.1371/journal.pone.0105099.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0105099>

Biyajima K, Kakizaki F, Shen X, Mori K, Sugai M, Taketo MM, Yokota Y:

Id2 deletion attenuates Apc-deficient ileal tumor formation

Biol Open. 2015 Jul 10. pii: bio.012252. doi: 10.1242/bio.012252.

<http://bio.biologists.org/cgi/pmidlookup?view=long&pmid=26163528>

Bolck HA, Migh E, Kriston A, Zajac NH, Kreutzer S, Tofu T, Leary P, Kovacs F, Rutishauser D, Pfammatter S, Grossmann J, Lichtfeld C, Buljan M, Rupp NJ, Horvath P, Moch H:

Deep visual multi-omics profiling reveals mechanisms that underly cancer cell differentiation and aggressiveness in clear cell renal cell carcinoma

bioRxiv, 5. Feb 2025

<https://doi.org/10.1101/2025.01.31.635927>

Bondoc A, Golbar HM, Pervin M, Katou-Ichikawa C, Tanaka M, Izawa T, Kuwamura M, Yamate J:

Participation of Tumor-Associated Myeloid Cells in Progression of Amelanotic Melanoma (RMM Tumor Line) in F344 Rats, with Particular Reference to MHC Class II- and CD163-Expressing Cells

Cancer Microenviron. 2017 Jun 16. doi: 10.1007/s12307-017-0193-x.

<https://dx.doi.org/10.1007/s12307-017-0193-x>

Bourdeaut F, Hérault A, Gentien D, Pierron G, Ballet S, Reynaud S, Paris R, Schleiermacher G, Baumann C, Philippe-Chomette P, Gauthier-Villars M, Peuchmaur M, Radvanyi F, Delattre O:

Mosaicism for oncogenic G12D KRAS mutation associated with epidermal nevus, polycystic kidneys and rhabdomyosarcoma

J Med Genet 47(12):859-62 (2010)

<http://jmg.bmj.com/content/47/12/859.short>

Boureille A, Ferraro-Peyret C, Pontarollo G, Confavreux C, Pialat J-B, Isaac S, Forest F, Yvarel V, Watkin E, Girard N, Brevet M:

Rapid detection of EGFR mutations in decalcified lung cancer bone metastasis

Journal of Bone Oncology, Volume 21, 2020, 100277, ISSN 2212-1374,

<https://doi.org/10.1016/j.jbo.2020.100277>

Bower JE, Shiao SL, Sullivan P, Lamkin DM, Atienza R, Mercado F, Arevalo J, Asher A, Ganz PA, Cole SW:

Prometastatic Molecular Profiles in Breast Tumors From Socially Isolated Women

JNCI Cancer Spectr. 2018 Jul;2(3):pky029. doi: 10.1093/jncics/pky029. Epub 2018 Jul 19.

<https://www.ncbi.nlm.nih.gov/pmc/articles/pmid/30057973/>

Bowes A:

Profiling the genomic landscape of polyploid giant cancer cells in sarcomas

Thesis, University College London, September 2024

https://discovery.ucl.ac.uk/id/eprint/10200291/13/Bowes_10200291_Thesis.pdf

Braxton AM, Kiemen AL, Grahm MP, Forjaz A, Babu JM, Zheng L, Jiang L, Cheng H, Song Q, Reichel R, Graham S, Damanakis AI, Fischer CG, Mou S, Metz C, Granger J, Liu X-D, Bachmann N, Almagro-Pérez C, Jiang AC, Yoo J, Kim B, Du S, Foster E, Hsu JY, Rivera PA, Chu LC, Liu F, Niknafs N, Fishman EK, Yuille A, Roberts NJ, Thompson ED, Scharpf RB, Cornish TC, Jiao Y, Karchin R, Hruban RH, Wu P-H, Wirtz D, Wood LD:

Three-dimensional genomic mapping of human pancreatic tissue reveals striking multifocality and genetic heterogeneity in precancerous lesions

bioRxiv 2023.01.27.525553; doi: <https://doi.org/10.1101/2023.01.27.525553>

<https://doi.org/10.1101/2023.01.27.525553>

Braxton AM, Kiemen AL, Grahm MP, Forjaz A, Parksong J, Mahesh Babu J, Lai J, Zheng L, Niknafs N, Jiang L, Cheng H, Song Q, Reichel R, Graham S, Damanakis AI, Fischer CG, Mou S, Metz C, Granger J, Liu XD, Bachmann N, Zhu Y, Liu Y, Almagro-Pérez C, Jiang AC, Yoo J, Kim B, Du S, Foster E, Hsu JY, Rivera PA, Chu LC, Liu F, Fishman EK, Yuille A, Roberts NJ, Thompson ED, Scharpf RB, Cornish TC, Jiao Y, Karchin R, Hruban RH, Wu PH, Wirtz D, Wood LD:

3D genomic mapping reveals multifocality of human pancreatic precancers

Nature. 2024 May 1. doi: [10.1038/s41586-024-07359-3](https://doi.org/10.1038/s41586-024-07359-3).

<https://www.nature.com/articles/s41586-024-07359-3>

Bu W, Creighton CJ, Heavener KS, Gutierrez C, Dou Y, Ku AT, Zhang Y, Jiang W, Urrutia J, Jiang W, Yue F, Jia L, Ibrahim AA, Zhang B, Huang S, Li Y:

Efficient cancer modeling through CRISPR-Cas9/HDR-based somatic precision gene editing in mice

Sci Adv. 2023 May 12;9(19):eade0059. doi: [10.1126/sciadv.ade0059](https://doi.org/10.1126/sciadv.ade0059).

<https://doi.org/10.1126/sciadv.ade0059>

Bullock MD, Mellone M, Pickard KM, Sayan AE, Mitter R, Primrose JN, Packham GK, Thomas G, Mirnezami AH:

Molecular Profiling of the Invasive Tumor Microenvironment in a 3-Dimensional Model of Colorectal Cancer Cells and Ex vivo Fibroblasts

Journal of Visualized Experiments (86) p. e51475 (2014)

<http://www.jove.com/video/51475/molecular-profiling-invasive-tumor-microenvironment-3-dimensional>

Bullock MD, Pickard K, Mitter R, Sayan AE, Primrose JN, Ivan C, Calin GA, Thomas GJ, Packham GK, Mirnezami AH:

Stratifying risk of recurrence in stage II colorectal cancer using deregulated stromal and epithelial microRNAs

Oncotarget. 2015 Mar 7.

<http://www.impactjournals.com/oncotarget/misc/linkedout.php?pii=3225>

Bullock MD, Pickard KM, Nielsen BS, Sayan AE, Jenei V, Mellone M, Mitter R, Primrose JN, Thomas GJ, Packham GK, Mirenzami AH:

Pleiotropic actions of miR-21 highlight the critical role of deregulated stromal microRNAs during colorectal cancer progression

Cell Death Dis. 2013 Jun 20;4:e684. doi: [10.1038/cddis.2013.213](https://doi.org/10.1038/cddis.2013.213).

<http://www.nature.com/cddis/journal/v4/n6/abs/cddis2013213a.html>

Buob D, Fauvel H, Buisine MP, Truant S, Mariette C, Porchet N, Wacrenier A, Copin MC, Leteurtre E:

The Complex Intratumoral Heterogeneity of Colon Cancer Highlighted by Laser Microdissection

Dig Dis Sci. 2011 Dec 25.; DOI [10.1007/s10620-011-2023-1](https://doi.org/10.1007/s10620-011-2023-1)

<http://dx.doi.org/10.1007/s10620-011-2023-1>

Busso-Lopes AF, Neves LX, Câmara GA, Granato DC, Pretti MAM, Heberle H, Patroni FMS, Sá J, Yokoo S, Rivera C, Domingues RR, Normando AGC, De Rossi T, Mello BP, Galdino NAL, Pauletti BA, Lacerda PA, Rodrigues AAN, Casarim ALM, de Lima-Souza RA, Damas II, Mariano FV, Gollob KJ, Medina TS, Cervigne NK, Prado-Ribeiro AC, Brandão TB, Villa LL, Uno M, Boroni M, Kowalski LP, González-Arriagada WA, Paes Leme AF:

Connecting multiple microenvironment proteomes uncovers the biology in head and neck cancer

Nat Commun. 2022 Nov 7;13(1):6725. doi: 10.1038/s41467-022-34407-1.

<https://www.nature.com/articles/s41467-022-34407-1>

Cai X, Zhang J, Li L, Liu L, Tang M, Zhou X, Peng C, Li X, Chen X, Xu M, Zhang H, Wang J, Huang Y, Li T:

Copy Number Alterations Predict Development of OSCC from Oral Leukoplakia

J Dent Res. 2024 Jan 12;220345231217160. doi: 10.1177/00220345231217160.

<https://doi.org/10.1177/00220345231217160>

Cai YR, Dong YJ, Wu HB, Liu ZC, Zhou LJ, Su D, Chen XJ, Zhang L, Zhao YL:

Micropapillary: A component more likely to harbour heterogeneous EGFR mutations in lung adenocarcinomas

Sci Rep. 2016 Apr 5;6:23755. doi: 10.1038/srep23755.

<http://dx.doi.org/10.1038/srep23755>

Cai YR, Wu H, Shi X, Dong Y, Chang X, Zhang L, Zhou L, Su D, Yang M:

Heterogeneous components of lung adenocarcinomas confer distinct EGFR mutation and PD-L1 expression

BMC Cancer, Oncology, 20 Nov 2019, DOI:10.21203/rs.2.17531/v1

<https://www.researchsquare.com/article/ffe3d959-2e1e-4ed0-8add-447b06feea55/v1>

Cameselle-Teijeiro J, Ferreira R, Caramés N, Abdulkader I, Máximo V, Soares P, Sobrinho-Simões M:
Absence of the BRAF and the GRIM-19 Mutations in Oncocytic (Hurthle Cell) Solid Cell Nests of the Thyroid

Am J Clin Pathol. 2012 Apr;137(4):612-8

<http://ajcp.ascpjournals.org/content/137/4/612.full>

Caponi S, Funel N, Frampton AE, Mosca F, Santarpia L, Van der Velde AG, Jiao LR, De Lio N, Falcone A, Kazemier G, Mejer GA, Verheul HM, Vasile E, Peters GJ, Boggi U, Giovannetti E:

The good, the bad and the ugly: a tale of miR-101, miR-21 and miR-155 in pancreatic intraductal papillary mucinous neoplasms

Ann Oncol. 2012 Nov 8.

<http://annonc.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=23139258>

Catenacci DV, Liao WL, Thyparambil S, Henderson L, Xu P, Zhao L, Rambo B, Hart J, Xiao SY, Bengali K, Uzzell J, Darfler M, Krizman DB, Cecchi F, Bottaro DP, Karrison T, Veenstra TD, Hembrough T, Burrows J:

Absolute Quantitation of Met Using Mass Spectrometry for Clinical Application: Assay Precision, Stability, and Correlation with MET Gene Amplification in FFPE Tumor Tissue

PLoS One. 2014 Jul 1;9(7):e100586. doi: 10.1371/journal.pone.0100586. eCollection 2014.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0100586#pone-0100586-g001>

Cavallari I, Silic-Benussi M, Rende F, Martines A, Fogar P, Basso D, Vella MD, Pedrazzoli S, Herman JG, Chieco-Bianchi L, Esposito G, Ciminale V, D'Agostino DM:

Decreased expression and promoter methylation of the menin tumor suppressor in pancreatic ductal adenocarcinoma

Genes Chromosomes Cancer 48(5):383-96 (2009)

<http://onlinelibrary.wiley.com/doi/10.1002/gcc.20650/full>

Cavalloni G, Peraldo-Neia C, Sassi F, Chiorino G, Sarotto I, Aglietta M, Leone F:

Establishment of a patient-derived intrahepatic cholangiocarcinoma xenograft model with KRAS mutation

BMC Cancer. 2016 Feb 11;16(1):90. doi: 10.1186/s12885-016-2136-1.

<http://bmccancer.biomedcentral.com/articles/10.1186/s12885-016-2136-1>

Cha YJ, Lee JH, Han HH, Kim BG, Kang S, Choi YD, Cho NH:

MicroRNA alteration and putative target genes in high-grade prostatic intraepithelial neoplasia and prostate cancer: STAT3 and ZEB1 are upregulated during prostate carcinogenesis

Prostate. 2016 Mar 28. doi: 10.1002/pros.23183.

<http://onlinelibrary.wiley.com/doi/10.1002/pros.23183/abstract>

Chain DC:

Integrating artificial intelligence-based computational pathology approaches with laser microdissection for tumor enrichment and cancer research

Thesis, 2024

<https://doi.org/doi:10.7282/t3-d4em-xx84>

Chambers AG, Chain DC, Sweet SM, Song Z, Martin PL, Ellis MJ, Rooney C, Kim YJ:

Mass spectrometry quantifies target engagement for a KRASG12C inhibitor in FFPE tumor tissue

Clin Proteomics. 2023 Oct 25;20(1):47. doi: 10.1186/s12014-023-09435-8.

<https://doi.org/10.1186/s12014-023-09435-8>

Chan MK, Ocampo-Hafalla MT, Vartanian V, Jaruga P, Kirkali G, Koenig KL, Brown S, Lloyd RS, Dizdaroglu M, Teebor GW:

Targeted deletion of the genes encoding NTH1 and NEIL1 DNA N-glycosylases reveals the existence of novel carcinogenic oxidative damage to DNA

DNA Repair (Amst). 2009 Jul 4;8(7):786-94

<http://dx.doi.org/10.1016/j.dnarep.2009.03.001>

Chan-Seng-Yue M, Kim JC, Wilson GW, Ng K, Figueroa EF, O'Kane GM, Connor AA, Denroche RE, Grant RC, McLeod J, Wilson JM, Jang GH, Zhang A, Liang SB, Borgida A, Chadwick D, Kalimuthu S, Lungu I, Bartlett JMS, Krzyzanowski PM, Sandhu V, Tiriach H, Froeling FEM, Karasinska JM, Topham JT, Renouf DJ, Schaeffer DF, Jones SJM, Marra MA, Laskin J, Chetty R, Stein LD, Zogopoulos G, Haibe-Kains B, Campbell PJ, Tuveson DA, Knox JJ, Fischer SE, Gallinger S, Notta F:

Transcription phenotypes of pancreatic cancer are driven by genomic events during tumor evolution

Nat Genet. 2020 Jan 13. doi: 10.1038/s41588-019-0566-9.

<http://dx.doi.org/10.1038/s41588-019-0566-9>

Chang J, Zhao X, Wang Y, Liu T, Zhong C, Lao Y, Zhang S, Liao H, Bai F, Lin D, Wu C:

Genomic alterations driving precancerous to cancerous lesions in esophageal cancer development

Cancer Cell. 2023 Nov 20:S1535-6108(23)00394-X. doi: 10.1016/j.ccell.2023.11.003.

<https://doi.org/10.1016/j.ccell.2023.11.003>

Chang W-C, Jackson C, Riel S, Cooper HS, Devarajan K, Hensley HH, Zhou Y, Vanderveer LA, Nguyen MT, Clapper ML:

Differential preventive activity of sulindac and atorvastatin in Apc+/Min-FCCcmice with or without colorectal adenomas

Gut 2017;0:1–9. doi:10.1136/gutjnl-2017-313942

<http://gut.bmj.com/content/gutjnl/early/2017/11/09/gutjnl-2017-313942.full.pdf>

Chatziandreou I, Tsioli P, Sakellariou S, Mourikioti I, Giannopoulou I, Levidou G, Korkolopoulou P, Patsouris E, Saetta AA:

Comprehensive Molecular Analysis of NSCLC; Clinicopathological Associations

PLoS One. 2015 Jul 24;10(7):e0133859. doi: 10.1371/journal.pone.0133859. eCollection 2015.
<http://dx.plos.org/10.1371/journal.pone.0133859>

Chau SL, Tong JH, Chow C, Kwan JS, Lung RW, Chung LY, Tin EK, Wong SS, Cheung AH, Lau RW, Ng CS, Mok TS, Lo KW, To KF:

Distinct Molecular Landscape of Epstein-Barr Virus Associated Pulmonary Lymphoepithelioma-Like Carcinoma Revealed by Genomic Sequencing

Cancers (Basel). 2020 Jul 27;12(8):E2065. doi: 10.3390/cancers12082065.
<https://www.mdpi.com/resolver?pii=cancers12082065>

Chen D, Qi W, Feng L, Wang J, Wang L, Guan H:

Investigation of the clonal origin of multifocal papillary thyroid carcinoma according to the X-chromosome inactivation pattern

Oncology Letters 17, no. 5 (2019): 4695-4700. <https://doi.org/10.3892/ol.2019.10105>
<https://www.spandidos-publications.com/10.3892/ol.2019.10105>

Chen J, Zheng Q, Hicks JL, Trabzonlu L, Ozbek B, Jones T, Vaghasia A, Larman TC, Wang R, Markowski MC, Denmeade SR, Pienta KJ, Hruban RH, Antonaraskis ES, Gupta A, Dang CV, Yegnasubramanian S, De Marzo AM:

MYC-driven increases in mitochondrial DNA copy number occur early and persist throughout prostatic cancer progression

bioRxiv 2023.02.20.529259; doi: <https://doi.org/10.1101/2023.02.20.529259>
<https://doi.org/10.1101/2023.02.20.529259>

Chen X, Sun S, Li S, Yu S, Chen J, Chen X:

Attenuated immune surveillance during squamous cell transformation of pancreatic adenosquamous cancer defines new therapeutic opportunity for cancer interception

J Immunother Cancer. 2025 Jun 23;13(6):e012066. doi: 10.1136/jitc-2025-012066.
<https://doi.org/10.1136/jitc-2025-012066>

Chen, Z. and Gu, J.:

Immunoglobulin G expression in carcinomas and cancer cell lines

Faseb J (2007)
<http://www.fasebj.org/content/21/11/2931.long>

Chen Z, Hong Y, Zhao Z, Wu N, Ma X, Chen L, Zhang R :

Differences in BRAF V600E mutation between the epithelium and mesenchyme in classic ameloblastoma

Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 21 Aug 2024
<https://doi.org/10.1016/j.oooo.2024.08.001>

Chen Z, Yu T, Cabay RJ, Jin Y, Mahjabeen I, Luan X, Huang L, Dai Y, Zhou X:

miR-486-3p, miR-139-5p, and miR-21 as Biomarkers for the Detection of Oral Tongue Squamous Cell Carcinoma

Biomark Cancer. 2017 Jan 9;9:1-8. doi: 10.4137/BIC.S40981.
<https://www.ncbi.nlm.nih.gov/pmc/articles/pmid/28096697/>

Chen ZH, Yan SM, Chen XX, Zhang Q, Liu SX, Liu Y, Luo YL, Zhang C, Xu M, Zhao YF, Huang LY, Liu BL, Xia TL, Xu DZ, Liang Y, Chen YM, Wang W, Yuan SQ, Zhang HZ, Yun JP, Zhai WW, Zeng MS, Bai F, Zhong Q :

The genomic architecture of EBV and infected gastric tissue from precursor lesions to carcinoma.

Genome Med. 2021 Sep 7;13(1):146. doi: 10.1186/s13073-021-00963-2.
<https://link.springer.com/article/10.1186/s13073-021-00963-2>

Cheng, A.L., Huang, W.G., Chen, Z.C., Peng, F., Zhang, P.F., Li, M.Y., Li, F., Li, J.L., Li, C., Yi, H., Yi, B., and Xiao, Z.Q.:

Identification of novel nasopharyngeal carcinoma biomarkers by laser capture microdissection and proteomic analysis

Clin Cancer Res 14(2): 435-445 (2008)

<http://clincancerres.aacrjournals.org/content/14/2/435.long>

Cheng, A.L., Huang, W.G., Chen, Z.C., Zhang, P.F., Li, M.Y., Li, F., Li, J.L., Li, C., Yi, H., Peng, F., Duan, C.J., and Xiao, Z.Q.:

Identifying cathepsin D as a biomarker for differentiation and prognosis of nasopharyngeal carcinoma by laser capture microdissection and proteomic analysis

J Proteome Res 7(6): 2415-2426 (2008)

<http://pubs.acs.org/doi/abs/10.1021/pr7008548>

Cheng L, Mann SA, Lopez-Beltran A, Chovanec M, Santoni M, Wang M., Albany C, Adra N, Davidson DD, Cimadamore A, Montironi R, and Zhang S :

Molecular Characterization of Testicular Germ Cell Tumors Using Tissue Microdissection

Methods Mol Biol. 2021;2195:31-47. doi: 10.1007/978-1-0716-0860-9_3.

https://dx.doi.org/10.1007/978-1-0716-0860-9_3

Chien Y-W, Wang Y, Huang P, Lawson BC, Kolin DL, Chui MH, Vang R, Numan TA, Soong TR, Wang BG, Smith SA, Chen C-L, Stone R, Douville C, Wang T-L, Shih IM:

Morphologic and Molecular Heterogeneity of High-grade Serous Carcinoma Precursor Lesions

The American Journal of Surgical Pathology ().10.1097/PAS.0000000000002187, February 1, 2024.

<https://doi.org/10.1097/PAS.0000000000002187>

Chika N, Eguchi H, Kumamoto K, Suzuki O, Ishibashi K, Tachikawa T, Akagi K, Tamaru JI, Okazaki Y, Ishida H:

Prevalence of Lynch syndrome and Lynch-like syndrome among patients with colorectal cancer in a Japanese hospital-based population

Jpn J Clin Oncol. 2016 Dec 4.

<http://jjco.oxfordjournals.org/content/early/2016/12/04/jjco.hyw178.abstract>

Chiappetta C, Proietti I, Soccodato V, Puggioni C, Zaralli R, Pacini L, Porta N, Skroza N, Petrozza V, Potenza C, Rocca CD, Di Cristofano C:

BRAF and NRAS Mutations are Heterogeneous and Not Mutually Exclusive in Nodular Melanoma

Applied Immunohistochemistry & Molecular Morphology, doi: 10.1097/PAI.0000000000000071

http://journals.lww.com/appliedimmunohist/Abstract/publishahead/BRAF_and_NRAS_Mutations_are_Heterogeneous_and_Not.99403.aspx

Choe YJ, Min JY, Lee H, Lee SY, Kwon J, Kim HJ, Lee J, Kim HM, Park HS, Cho MY, Hyun JY, Kim HM, Chung YH, Ha SK, Jeong HG, Choi I, Kim TD, Hong KS, and Han EH:

Heterotypic cell-in-cell structures between cancer and NK cells are associated with enhanced anticancer drug resistance

iScience 25, 105017 September 16, 2022

<https://doi.org/10.1016/j.isci.2022.105017>

Choi J, Kim DH, Jung WH, Koo JS:

Metabolic interaction between cancer cells and stromal cells according to breast cancer molecular subtype

Breast Cancer Res. 2013 Sep 10;15(5):R78.

<http://breast-cancer-research.com/content/15/5/R78>

Choong, N.W., Dietrich, S., Seiwert, T.Y., Tretiakova, M.S., Nallasura, V., Davies, G.C., Lipkowitz, S., Husain, A.N., Salgia, R., and Ma, P.C.:

Gefitinib response of erlotinib-refractory lung cancer involving meninges--role of EGFR mutation

Nat Clin Pract Oncol 3(1): 50-57; quiz 51 p following 57 (2006)

<http://www.nature.com/nrclinonc/journal/v3/n1/full/ncponc0400.html>

Chueca E, Valero A, Hördnler C, Puertas A, Carrera P, García-González MA, Strunk M, Lanás A, Piazzuelo E:

Quantitative analysis of p16 methylation in Barrett's carcinogenesis

Ann Diagn Pathol. 2020 Jun 17;47:151554. doi: 10.1016/j.anndiagpath.2020.151554.

<https://www.sciencedirect.com/science/article/abs/pii/S1092913420300976>

Chui, D.T., Hammond, D., Baird, M., Shield, L., Jackson, R., and Jarrett, R.F.:

Classical Hodgkin lymphoma is associated with frequent gains of 17q

Genes Chromosomes Cancer 38(2): 126-136 (2003)

<http://onlinelibrary.wiley.com/doi/10.1002/gcc.10266/full>

Ci X, Chen S, Zhu R, Zarif M, Jain R, Guo W, Ramotar M, Gong L, Xu W, Singh O, Mansouri S, Zadeh G, Wei GH, Xu W, Bristow R, Berlin A, Koritzinsky M, van der Kwast T, He HH:

Oral pimonidazole unveils clinicopathologic and epigenetic features of hypoxic tumour aggressiveness in localized prostate cancer

BMC Cancer. 2024 Jun 18;24(1):744. doi: 10.1186/s12885-024-12505-1.

<https://doi.org/10.1186/s12885-024-12505-1>

Cis L, Nanni S, Gessi M, Bianchi A, De Martino S, Pecci V, Bonvissuto D, Carlino A, Giacobbe L, Rindi G, Sette C, Grassi C, Gaetano C, Pontecorvi A, Farsetti A:

LCM-RNAseq highlights intratumor heterogeneity and a lncRNA signature from archival tissues of GH-secreting PitNETs

Research Square, 19th March 2024

<https://doi.org/10.21203/rs.3.rs-4093675/v1>

Co NN, Iglesias D, Celestino J, Kwan SY, Mok SC, Schmandt R, Lu KH:

Loss of LKB1 in high-grade endometrial carcinoma: LKB1 is a novel transcriptional target of p53

Cancer. 2014 Jul 16. doi: 10.1002/cncr.28854.

<http://dx.doi.org/10.1002/cncr.28854>

Comba A, Dunn PJ, Kish PE, Kadiyala P, Kahana A, Castro MG, Lowenstein PR:

Laser Capture Microdissection of Glioma Subregions for Spatial and Molecular Characterization of Intratumoral Heterogeneity, Oncostreams, and Invasion

J Vis Exp. 2020 Apr 12;(158). doi: 10.3791/60939.

<https://www.jove.com/video/60939/laser-capture-microdissection-glioma-subregions-for-spatial-molecular>

Comba A, Faisal SM, Dunn PJ, Argento AE, Hollon TC, Al-Holou WN, Varela ML, Zamler DB, Quass GL, Apostolides PF, Abel C 2nd, Brown CE, Kish PE, Kahana A, Kleer CG, Motsch S, Castro MG, Lowenstein PR:

Spatiotemporal analysis of glioma heterogeneity reveals COL1A1 as an actionable target to disrupt tumor progression

Nat Commun. 2022 Jun 24;13(1):3606. doi: 10.1038/s41467-022-31340-1.

<https://www.nature.com/articles/s41467-022-31340-1>

Confavreux CB, Girard N, Pialat J-P, Bringuier P-P, Shisheboran MD, Rousseau J-C, Isaac S, Thivolet-Bejui F, Clezardin P, and Brevet M:

Mutational profiling of bone metastases from lung adenocarcinoma: results of a prospective study (POUMOS-TEC)

BoneKEy Reports 3, Article number: 580 (2014) | doi:10.1038/bonekey.2014.75

<http://www.nature.com/bonekeyreports/2014/141001/bonekey201475/pdf/bonekey201475.pdf>

Connor AA:

Germline & Somatic Variation in Gastrointestinal Malignancies

Thesis, 2017

<https://tspace.library.utoronto.ca/handle/1807/80761>

Connor AA, Denroche RE, Jang GH, Timms L, Kalimuthu SN, Selander I, McPherson T, Wilson GW, Chan-Seng-Yue MA, Borozan I, Ferretti V, Grant RC, Lungu IM, Costello E, Greenhalf W, Palmer D, Ghaneh P, Neoptolemos JP, Buchler M, Petersen G, Thayer S, Hollingsworth MA, Sherker A, Durocher D, Dhani N, Hedley D, Serra S, Pollett A, Roehrl MH, Bavi P, Bartlett JM, Cleary S, Wilson JM, Alexandrov LB, Moore M, Wouters BG, McPherson JD, Notta F, Stein LD, Gallinger S:

Association of Distinct Mutational Signatures With Correlates of Increased Immune Activity in Pancreatic Ductal Adenocarcinoma

JAMA Oncol. 2016 Oct 20. doi: 10.1001/jamaoncol.2016.3916

<http://oncology.jamanetwork.com/article.aspx?doi=10.1001/jamaoncol.2016.3916>

Cook CC, Kim A, Terao S, Gotoh A, Higuchi M

Consumption of oxygen: a mitochondrial-generated progression signal of advanced cancer

Cell Death Dis. 2012 Jan 19;3:e258. doi: 10.1038/cddis.2011.141

<http://dx.doi.org/10.1038/cddis.2011.141>

Coope RJ, Schlosser C, Corbett RD, Pleasance S, Tessier-Cloutier B, Pandoh P, Kirk H, Haile S, Zhao Y, Mungall AJ, Marra MA:

Whole-slide laser microdissection for tumour enrichment.

J Pathol. 2020 Nov 2. doi: 10.1002/path.5575.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/path.5575>

Coorens T:

Lineage tracing of normal human development and childhood cancers

Thesis, 2020

https://aspace.repository.cam.ac.uk/bitstream/handle/1810/325354/PhD_Thesis_Final_submission.pdf

Corvigno S, Badal S, Spradlin ML, Keating M, Pereira I, Stur E, Bayraktar E, Foster KI, Bateman NW, Barakat W, Darcy KM, Conrads TP, Maxwell GL, Lorenzi PL, Lutgendorf SK, Wen Y, Zhao L, Thaker PH, Goodheart MJ, Liu J, Fleming N, Lee S, Eberlin LS, Sood AK:

In situ profiling reveals metabolic alterations in the tumor microenvironment of ovarian cancer after chemotherapy

NPJ Precis Oncol. 2023 Nov 3;7(1):115. doi: 10.1038/s41698-023-00454-0.

<https://www.nature.com/articles/s41698-023-00454-0>

Coscia F, Nielsen AB, Weigert M, Watters K, Javellana M, Anglesio M, Yamada SD, Lastra RR, Mann M, Lengyel E:

A Proteogenomic View of Synchronous Endometrioid Endometrial and Ovarian Cancer

Clin Cancer Res. 2025 Mar 27. doi: 10.1158/1078-0432.CCR-24-1763.

<https://doi.org/10.1158/1078-0432.CCR-24-1763>

Cotoi CG, Khorsandi SE, Pleşea IE, Quaglia A:

Whole-genome DASL gene expression profiling of hepatocellular carcinoma sub-populations isolated by laser microdissection on formalin-fixed and paraffin-embedded liver tissue samples

Rom J Morphol Embryol. 2012;53(4):893-902.

<http://www.rjme.ro/RJME/resources/files/530412893902.pdf>

Crescenzi M, Persano L, Esposito G, Zulato E, Borsi L, Balza E, Ruol A, Ancona E, Indraccolo S, Amadori A:

Vandetanib improves anti-tumor effects of L19mTNFalpha in xenograft models of esophageal cancer

Clin Cancer Res. 2011 Feb 1;17(3):447-58
<http://clincancerres.aacrjournals.org/content/17/3/447.short>

Cui Y:

Development of detection technique for minimal residual diseases through detection of circulating tumor DNA in oral cancer patients

Thesis, Dec 2020

<https://ir.ymlib.yonsei.ac.kr/bitstream/22282913/185357/1/TA02970.pdf>

Cui Y, Kim HS, Cho ES, Han D, Park JA, Park JY, Nam W, Kim HJ, Cha IH, Cha YH:

Longitudinal detection of somatic mutations in saliva and plasma for the surveillance of oral squamous cell carcinomas

PLoS One. 2021 Sep 3;16(9):e0256979. doi: 10.1371/journal.pone.0256979. eCollection 2021.

<https://journals.plos.org/plosone/article/authors?id=10.1371/journal.pone.0256979>

Cumming N, Dinan A, McLean CA:

Qualitative Assurance in Molecular Testing: Assessing Minimum Tumour Area Requirements for PCR Amplification and MALDI-TOF MS Using FFPE Tissues

Pathology, 2019

[https://www.pathologyjournal.rcpa.edu.au/article/S0031-3025\(18\)30908-5/pdf](https://www.pathologyjournal.rcpa.edu.au/article/S0031-3025(18)30908-5/pdf)

D'Arrigo, A., Belluco, C., Ambrosi, A., Digito, M., Esposito, G., Bertola, A., Fabris, M., Nofrate, V., Mammano, E., Leon, A., Nitti, D., and Lise, M.:

Metastatic transcriptional pattern revealed by gene expression profiling in primary colorectal carcinoma

Int J Cancer 115(2): 256-262 (2005)

<http://onlinelibrary.wiley.com/doi/10.1002/ijc.20883/full>

da Silva EM, Beca F, Sebastiao APM, Murray MP, Silveira C, Da Cruz Paula A, Pareja F, Wen HY, D'Alfonso TM, Edelweiss M, Weigelt B, Brogi E, Reis-Filho JS, Zhang H:

Stromal MED12 exon 2 mutations in complex fibroadenomas of the breast

J Clin Pathol. 2022 Feb;75(2):133-136. doi: 10.1136/jclinpath-2020-207062

<https://doi.org/10.1136/jclinpath-2020-207062>

da Silva EM, Cruz Paula AD, Dessources K, Gordhandas S, Selenica P, Abu-Rustum NR, Weigelt B, Murali R:

A subset of serous tubal intraepithelial carcinoma (STIC)-like lesions and concurrent high-grade endometrial carcinoma are genomically related entities

Mod Pathol. 2025 Sep 12:100890. doi: 10.1016/j.modpat.2025.100890.

<https://doi.org/10.1016/j.modpat.2025.100890>

Dai T, Adachi J, Dai Y, Nakano N, Yamato M, Kikuchi S, Usui S, Minami Y, Tomonaga T, Noguchi M, Matsubara D, Sakamoto N:

In-depth proteomics reveals the characteristic developmental profiles of early lung adenocarcinoma with epidermal growth factor receptor mutation

Cancer Med. 2023 Apr 2. doi: 10.1002/cam4.5766.

<https://doi.org/10.1002/cam4.5766>

Davis S, Scott C, Oetjen J, Charles PD, Kessler BM, Ansorge O, Fischer R:

Deep topographic proteomics of a human brain tumour

Nat Commun. 2023 Nov 24;14(1):7710. doi: 10.1038/s41467-023-43520-8.

<https://doi.org/10.1038/s41467-023-43520-8>

de Chaisemartin L, Goc J, Damotte D, Validire P, Magdeleinat P, Alifano M, Cremer I, Fridman WH, Sautes-Fridman C, Dieu-Nosjean MC:

Characterization of chemokines and adhesion molecules associated with T cell presence in tertiary lymphoid structures in human lung cancer

Cancer Res. 2011 Sep 7. [Epub ahead of print]

<http://cancerres.aacrjournals.org/content/early/2011/09/06/0008-5472.CAN-11-0952.long>

De Palma FDE, Pol JG, Carbonnier V, Scuderi SA, Mannino D, Montégut L, Sauvat A, Perez-Lanzon M, Uribe-Carretero E, Guarracino M, Granata I, Calogero R, Del Monaco V, Montanaro D, Stoll G, Botti G, D'Aiuto M, Baldi A, D'Argenio V, Guigó R, Rezsohazy R, Kroemer G, Maiuri MC, Salvatore F:

Epigenetic regulation of HOXA2 expression affects tumor progression and predicts breast cancer patient survival

Cell Death Differ. 2025 Jan 20. doi: 10.1038/s41418-024-01430-2.

<https://doi.org/10.1038/s41418-024-01430-2>

Del Grosso F, Coco S, Scaruffi P, Stigliani S, Valdora F, Benelli R, Salvi S, Boccardo S, Truini M, Croce M, Ferrini S, Longo L, Tonini GP:

Role of CXCL13-CXCR5 crosstalk between malignant neuroblastoma cells and Schwannian stromal cells in neuroblastic tumors

Mol Cancer Res. 2011 Jul;9(7):815-23.

<http://mcr.aacrjournals.org/content/9/7/815.long>

Dellmann A, Schroeder HG, Donhuijsen K:

Destructive tumours of the larynx mimicking osteosarcoma: two cases of osteoblastoma with organ-saving resection and follow-up

Eur Arch Otorhinolaryngol. 2010 Jan;267(1):151-4

<http://www.springerlink.com/content/151254313937q5j3/>

Dent A, Faust K, Lam KHB, Alhangari N, Leon AJ, Tsang Q, Kamil ZS, Gao A, Pal P, Lheureux S, Oza A, Diamandis P:

HAVOC: Small-scale histomic mapping of cancer biodiversity across large tissue distances using deep neural networks

Sci Adv. 2023 Sep 29;9(39):eadg1894. doi: 10.1126/sciadv.adg1894.

<https://doi.org/10.1126/sciadv.adg1894>

Dent, AJ:

HAVOC: Mapping of Cancer Biodiversity using Deep Neural Networks

Thesis, 2022

<https://tspace.library.utoronto.ca/handle/1807/123399>

Desai P, Takahashi N, Kumar R, Nichols S, Malin J, Hunt A, Schultz C, Cao Y, Tillo D, Nousome D, Chauhan L, Sciuto L, Jordan K, Rajapakse V, Lissa D, Zhang Y, Kumar S, Pongor L, Singh A, Schroder B, Kumar Sharma A, Chang T, Vilimas R, Pinkiert D, Graham C, Butcher D, Warner A, Sebastian R, Mahon M, Baker K, Cheng J, Berger A, Lake R, Abel M, Krishnamurthy M, Chrisafis G, Fitzgerald P, Micheal Nirula M, Goyal S, Atkinson D, Bateman NW, Abulez T, Nair G, Apolo A, Guha U, Karim B, El Meskini R, Ohler ZW, Kumar Jolly M, Schaffer A, Ruppert E, Kleiner D, Miettinen M, Brown GT, Hewitt S, Conrads T, Thomas A:

Microenvironment Shapes Cell State, Plasticity, and Heterogeneity of Small Cell Lung Cancer

bioRxiv, Feb 14., 2024

<https://doi.org/10.1101/2024.02.09.579028>

Dewez F, Martin-Lorenzo M, Herfs M, Baiwir D, Mazzucchelli G, De Pauw E, Heeren RMA, Balluff B:

Precise co-registration of mass spectrometry imaging, histology, and laser microdissection-based omics

Anal Bioanal Chem. 2019 Jul 1. doi: 10.1007/s00216-019-01983-z.

<https://link.springer.com/content/pdf/10.1007%2Fs00216-019-01983-z.pdf>

Deyarmin B, Kane JL, Valente AL, van Laar R, Gallagher C, Shriver CD, Ellsworth RE:
Effect of ASCO/CAP Guidelines for Determining ER Status on Molecular Subtype
Ann Surg Oncol. 2012 Aug 9. [Epub ahead of print]
<http://dx.doi.org/10.1245/s10434-012-2588-8>

Di Chiaro P, Nacci L, Arco F, Brandini S, Polletti S, Palamidessi A, Donati B, Soriani C, Gualdrini F, Frigè G, Mazzarella L, Ciarrocchi A, Zerbi A, Spaggiari P, Scita G, Rodighiero S, Barozzi I, Diaferia GR, Natoli G:
Mapping functional to morphological variation reveals the basis of regional extracellular matrix subversion and nerve invasion in pancreatic cancer
Cancer Cell. 2024 Mar 18:S1535-6108(24)00079-5. doi: 10.1016/j.ccell.2024.02.017.
<https://doi.org/10.1016/j.ccell.2024.02.017>

Ding RB, Chen P, Rajendran BK, Lyu X, Wang H, Bao J, Zeng J, Hao W, Sun H, Wong AH, Valecha MV, Yang EJ, Su SM, Choi TK, Liu S, Chan KI, Yang LL, Wu J, Miao K, Chen Q, Shim JS, Xu X, Deng CX:
Molecular landscape and subtype-specific therapeutic response of nasopharyngeal carcinoma revealed by integrative pharmacogenomics
Nat Commun. 2021 May 24;12(1):3046. doi: 10.1038/s41467-021-23379-3.
<https://www.nature.com/articles/s41467-021-23379-3>

Djidja MC, Chang J, Hadjiprocopis A, Schmich F, Sinclair J, Mršnik M, Schoof EM, Barker HE, Linding R, Jorgensen C, Erler JT:
Identification of hypoxia-regulated proteins using MALDI-Mass Spectrometry Imaging combined with quantitative proteomics
J Proteome Res. 2014 Apr 7
<http://dx.doi.org/10.1021/pr401056c>

Domazet B, MacLennan GT, Lopez-Beltran A, Montironi R, Cheng L:
Laser capture microdissection in the genomic and proteomic era: targeting the genetic basis of cancer
Int J Clin Exp Pathol. 2008 Mar 15;1(6):475-88
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2480591/?tool=pubmed>

Dong, B., Sato, M., Sakurada, A., Sagawa, M., Endo, C., Wu, S., Yamanaka, S., Horii, A., and Kondo, T.:
Computed tomographic images reflect the biologic behavior of small lung adenocarcinoma: they correlate with cell proliferation, microvascularization, cell adhesion, degradation of extracellular matrix, and K-ras mutation
J Thorac Cardiovasc Surg 130(3): 733-739 (2005)
<http://www.jtcvsonline.org/article/S0022-5223%2805%2900791-9/abstract>

Dong J, Chen JF, Smalley M, Zhao M, Ke Z, Zhu Y, Tseng HR:
Nanostructured Substrates for Detection and Characterization of Circulating Rare Cells: From Materials Research to Clinical Applications
Adv Mater. 2019 Sep 30:e1903663. doi: 10.1002/adma.201903663.
<https://doi.org/10.1002/adma.201903663>

Du L, Peng R, Björkman A, Filipe de Miranda N, Rosner C, Kotnis A, Berglund M, Liu C, Rosenquist R, Enblad G, Sundström C, Hojjat-Farsangi M, Rabbani H, Teixeira MR, Revy P, Durandy A, Zeng Y, Gennery AR, de Villartay JP, Pan-Hammarström Q:
Cernunnos influences human immunoglobulin class switch recombination and may be associated with B cell lymphomagenesis
J Exp Med. 2012 Feb 6. [Epub ahead of print]
<http://www.jem.org/cgi/pmidlookup?view=long&pmid=22312109>

Duan K, Liu ZJ, Hu SQ, Huo HY, Xu ZR, Ruan JF, Sun Y, Dai LP, Yan CB, Xiong W, Cui QH, Yu HJ, Yu M, Qin Y:

Lactic acid induces lactate transport and glycolysis/OXPHOS interconversion in glioblastoma

Biochem Biophys Res Commun. 2018 Jun 20. pii: S0006-291X(18)31404-9. doi: 10.1016/j.bbrc.2018.06.092.

<https://www.sciencedirect.com/science/article/pii/S0006291X18314049>

Duong TT, Vo DT, Nakayama T, Mukaisho KI, Bamba M, Nguyen TS, Sugihara H:

Rapidly and Slowly Growing Lineages in Chromosomal Instability-Type Gland-Forming Gastric Carcinomas as Revealed by Multisampling Analysis of DNA Copy-Number Profile

Pathobiology. 2019 Jan 9:1-10. doi: 10.1159/000494926.

<https://www.karger.com/Article/Abstract/494926>

Ebelt ND, Zuniga E, Johnson BL, Diamond DJ, Manuel ER:

5-Azacytidine Potentiates Anti-tumor Immunity in a Model of Pancreatic Ductal Adenocarcinoma

Front Immunol. 2020 Mar 31;11:538. doi: 10.3389/fimmu.2020.00538. eCollection 2020.

<https://www.frontiersin.org/articles/10.3389/fimmu.2020.00538/full>

Echizen K, Horiuchi K, Aoki Y, Yamada Y, Minamoto T, Oshima H, Oshima M:

NF- κ B-induced NOX1 activation promotes gastric tumorigenesis through the expansion of SOX2-positive epithelial cells

Oncogene. 2019 Jan 30. doi: 10.1038/s41388-019-0702-0.

<https://www.nature.com/articles/s41388-019-0702-0>

Eichmüller OL, Corsini NS, Vértessy Á, Scholl T, Gruber V-E, Peer AM, Chu J, Novatchkova M, Paredes MF, Feucht M, Knoblich JA:

Cerebral organoid model reveals excessive proliferation of human caudal late interneuron progenitors in Tuberous Sclerosis Complex

bioRxiv, Feb 27, 2020; doi: <https://doi.org/10.1101/2020.02.27.967802>

<https://www.biorxiv.org/content/10.1101/2020.02.27.967802v1>

Ellsworth, D.L., Ellsworth, R.E., Love, B., Deyarmin, B., Lubert, S.M., Mittal, V., and Shriver, C.D.:

Genomic patterns of allelic imbalance in disease free tissue adjacent to primary breast carcinomas

Breast Cancer Res Treat 88(2): 131-139 (2004)

<http://www.springerlink.com/content/p08585p766261t33/>

Ellsworth, R.E., Ellsworth, D.L., Lubert, S.M., Hooke, J., Somiari, R.I., and Shriver, C.D.:

High-throughput loss of heterozygosity mapping in 26 commonly deleted regions in breast cancer

Cancer Epidemiol Biomarkers Prev 12(9): 915-919 (2003)

<http://cebp.aacrjournals.org/content/12/9/915.long>

Ellsworth RE, Field LA, Love B, Kane JL, Hooke JA, and Shriver CD:

Differential Gene Expression in Primary Breast Tumors Associated with Lymph Node Metastasis

Int J Breast Cancer Volume 2011 (2011), Article ID 142763, 7 pages

<http://www.sage-hindawi.com/journals/ijbc/2011/142763/abs/>

Ellsworth RE, Seebach J, Field LA, Heckman C, Kane J, Hooke JA, Love B, Shriver CD:

A gene expression signature that defines breast cancer metastases

Clin Exp Metastasis 26(3):205-13 (2009)

<http://www.springerlink.com/content/102574228038m751/>

Ellsworth RE, Ellsworth DL, Weyandt JD, Fantacone-Campbell JL, Deyarmin B, Hooke JA, Shriver CD:
Chromosomal Alterations in Pure Nonneoplastic Breast Lesions: Implications for Breast Cancer Progression

Ann Surg Oncol. 2010 Jun;17(6):1688-94

<http://www.springerlink.com/content/b611350886456851/>

Eriksen AH, Andersen RF, Pallisgaard N, Sørensen FB, Jakobsen A, Hansen TF:
MicroRNA Expression Profiling to Identify and Validate Reference Genes for the Relative Quantification of microRNA in Rectal Cancer

PLoS One. 2016 Mar 3;11(3):e0150593. doi: 10.1371/journal.pone.0150593.

<http://journals.plos.org/plosone/article/authors?id=10.1371%2Fjournal.pone.0150593>

Eslami A, Miyaguchi K, Mogushi K, Watanabe H, Okada N, Shibuya H, Mizushima H, Miura M, Tanaka H:
PARVB overexpression increases cell migration capability and defines high risk for endophytic growth and metastasis in tongue squamous cell carcinoma

Br J Cancer. 2014 Nov 25. doi: 10.1038/bjc.2014.590.

<http://www.nature.com/bjc/journal/vaop/ncurrent/full/bjc2014590a.html>

Esposito, G.:

Complementary techniques: laser capture microdissection--increasing specificity of gene expression profiling of cancer specimens

Adv Exp Med Biol 593: 54-65 (2007)

<http://www.springerlink.com/content/g448m0n0710r420n/>

Eguchi H, Kumamoto K, Suzuki O, Kohda M, Tada Y, Okazaki Y, Ishida H:

Identification of a Japanese Lynch syndrome patient with large deletion in the 3' region of the EPCAM gene

Jpn J Clin Oncol. 2015 Nov 27. pii: hyv172.

<http://jco.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=26613680>

Ellis P, Moore L, Sanders MA, Butler TM, Brunner SF, Lee-Six H, Osborne R, Farr B, Coorens THH, Lawson ARJ, Cagan A, Stratton MR, Martincorena I, Campbell PJ:

Reliable detection of somatic mutations in solid tissues by laser-capture microdissection and low-input DNA sequencing

Nat Protoc. 2020 Dec 14. doi: 10.1038/s41596-020-00437-6.

<https://www.nature.com/articles/s41596-020-00437-6>

Feltmate, C.M., Lee, K.R., Johnson, M., Schorge, J.O., Wong, K.K., Hao, K., Welch, W.R., Bell, D.A., Berkowitz, R.S., and Mok, S.C.:

Whole-genome allelotyping identified distinct loss-of-heterozygosity patterns in mucinous ovarian and appendiceal carcinomas

Clin Cancer Res 11(21): 7651-7657 (2005)

<http://clincancerres.aacrjournals.org/content/11/21/7651.long>

Feng, X., Ren, C., Zhou, W., Liu, W., Zeng, L., Li, G., Wang, L., Li, M., Zhu, B., Yao, K. and Jiang, X:

Promoter Hypermethylation Along With LOH, But Not Mutation, Contributes to Inactivation of DLC-1 in Nasopharyngeal Carcinoma

Mol. Carcinog., 12 JUN 2013, DOI: 10.1002/mc.22044

<http://onlinelibrary.wiley.com/doi/10.1002/mc.22044/abstract>

Field LA, Love B, Deyarmin B, Hooke JA, Shriver CD, Ellsworth RE:

Identification of differentially expressed genes in breast tumors from African American compared with Caucasian women

Cancer. 2012 Mar 1;118(5):1334-44. doi: 10.1002/cncr.26405. Epub 2011 Jul 28.

<http://dx.doi.org/10.1002/cncr.26405>

Frimer M, Levano KS, Rodriguez-Gabin A, Wang Y, Goldberg GL, Horwitz SB, Hou JY:

Germline mutations of the DNA repair pathways in uterine serous carcinoma

Gynecol Oncol. 2016 Apr;141(1):101-7. doi: 10.1016/j.ygyno.2015.12.034.

[http://linkinghub.elsevier.com/retrieve/pii/S0090-8258\(15\)30237-7](http://linkinghub.elsevier.com/retrieve/pii/S0090-8258(15)30237-7)

Fonseca FP, Macedo CCS, dos Santos Costa FS, Leme AFP, Rodrigues RR, Pontes HAR, Alternani A, van Heerden WFP, Martins MD, de Almeida OP, Silva ARS, Lopes MA, Vargas PA:

MASS SPECTROMETRY-BASED PROTEOME PROFILE MAY BE USEFUL TO DIFFERENTIATE ADENOID CYSTIC CARCINOMA FROM POLYMORPHOUS ADENOCARCINOMA OF SALIVARY GLANDS,

Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2019 Aug 1, ISSN 2212-4403

<http://www.sciencedirect.com/science/article/pii/S2212440319313719>

Fontugne J, Wong J, Cabel L, Neyret-Kahn H, Karboul N, Maillé P, Rapinat A, Gentien D, Nicolas A, Baulande S, Sibony M, Bernard-Pierrot I, Radvanyi F, Allory Y:

Progression-associated molecular changes in basal/squamous and sarcomatoid bladder carcinogenesis

J Pathol. 2023 Jan 25. doi: 10.1002/path.6060.

<https://doi.org/10.1002/path.6060>

Forsberg LA, Rasi C, Pekar G, Davies H, Piotrowski A, Absher D, Razzaghian HR, Ambicka A, Halaszka K, Przewoźnik M, Kruczak A, Mandava G, Pasupulati S, Hacker J, Prakash KR, Dasari RC, Lau J, Penagos-Tafurt N, Olofsson HM, Hallberg G, Skotnicki P, Mituś J, Skokowski J, Jankowski M, Śrutek E, Zegarski W, Tiensuu Janson E, Ryś J, Tot T, Dumanski JP:

Signatures of post-zygotic structural genetic aberrations in the cells of histologically normal breast tissue that can predispose to sporadic breast cancer

Genome Res. 2015 Oct;25(10):1521-35. doi: 10.1101/gr.187823.114.

<http://genome.cshlp.org/cgi/pmidlookup?view=long&pmid=26430163>

Frau C, Loi R, Petrelli A, Perra A, Menegon S, Kowalik MA, Pinna S, Leoni VP, Fornari F, Gramantieri L, Ledda-Columbano GM, Giordano S, Columbano A:

Local hypothyroidism favours the progression of rat preneoplastic lesions to HCC

Hepatology. 2014 Aug 25. doi: 10.1002/hep.27399.

<http://dx.doi.org/10.1002/hep.27399>

Frick A, Khare V, Paul G, Lang M, Ferk F, Knasmueller S, Beer A, Oberhuber G, Gasche C:

Overt Increase of Oxidative Stress and DNA Damage in Murine and Human Colitis and Colitis-associated Neoplasia

Mol Cancer Res. 2018 Jan 29. pii: molcanres.0451.2017. doi: 10.1158/1541-7786.MCR-17-0451.

<http://mcr.aacrjournals.org/cgi/pmidlookup?view=long&pmid=29378905>

Freire J, Ajona D, de Biurrun G, Agorreta J, Segura V, Guruceaga E, Bleau AM, Pio R, Blanco D, Montuenga LM:

Silica-induced Chronic Inflammation Promotes Lung Carcinogenesis in the Context of an Immunosuppressive Microenvironment

Neoplasia. 2013 Aug;15(8):913-24.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3730043/>

Frierson, H.F., Jr., El-Naggar, A.K., Welsh, J.B., Sapinoso, L.M., Su, A.I., Cheng, J., Saku, T., Moskaluk, C.A., and Hampton, G.M.:

Large scale molecular analysis identifies genes with altered expression in salivary adenoid cystic carcinoma

Am J Pathol 161(4): 1315-1323 (2002)

<http://www.journals.elsevierhealth.com/periodicals/ajpa/article/S0002-9440%2810%2964408-2/abstract>

Frietsch JJ, Grunewald TG, Jasper S, Kammerer U, Herterich S, Kapp M, Honig A, Butt E:

Nuclear localisation of LASP-1 correlates with poor long-term survival in female breast cancer

Br J Cancer. 2010 May 25;102(11):1645-53

<http://www.nature.com/bjc/journal/v102/n11/full/6605685a.html>

Fujii K, Miyata Y, Takahashi I, Koizumi H, Saji H, Hoshikawa M, Takagi M, Nishimura T, Nakamura H
Differential Proteomic Analysis between Small Cell Lung Carcinoma (SCLC) and Pulmonary Carcinoid Tumors Reveals Molecular Signatures for Malignancy in Lung Cancer

Proteomics Clin Appl. 2018 Nov;12(6):e1800015. doi: 10.1002/prca.201800015.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/prca.201800015>

Fujikura K, Hosoda W, Felsenstein M, Song Q, Reiter JG, Zheng L, Beleva Guthrie V, Rincon N, Dal Molin M, Dudley J, Cohen JD, Wang P, Fischer CG, Braxton AM, Noë M, Jongepier M, Fernández-Del Castillo C, Mino-Kenudson M, Schmidt CM, Yip-Schneider MT, Lawlor RT, Salvia R, Roberts NJ, Thompson ED, Karchin R, Lennon AM, Jiao Y, Wood LD:

Multiregion whole-exome sequencing of intraductal papillary mucinous neoplasms reveals frequent somatic KLF4 mutations predominantly in low-grade regions

Gut. 2020 Oct 7:gutjnl-2020-321217. doi: 10.1136/gutjnl-2020-321217.

<https://gut.bmj.com/lookup/pmidlookup?view=long&pmid=33028669>

Fujita K, Yamamoto H, Matsumoto T, Hirahashi M, Gushima M, Kishimoto J, Nishiyama K, Taguchi T, Yao T, Oda Y :

Sessile Serrated Adenoma With Early Neoplastic Progression: A Clinicopathologic and Molecular Study

Am J Surg Pathol. 2011 Feb;35(2):295-304

http://journals.lww.com/ajsp/Abstract/2011/02000/Sessile_Serrated_Adenoma_With_Early_Neoplastic.15.aspx

Fujimura T, Inoue S, Urano T, Takayama K, Yamada Y, Ikeda K, Obinata D, Ashikari D, Takahashi S, Homma Y:

Increased expression of tripartite motif (TRIM) 47 is a negative prognostic predictor in human prostate cancer

Clinical Genitourinary Cancer, Available online 28 January 2016, ISSN 1558-7673

<http://dx.doi.org/10.1016/j.clgc.2016.01.011>

Fujimura T, Takahashi S, Urano T, Takayama K, Sugihara T, Obinata D, Yamada Y, Kumagai J, Kume H, Ouchi Y, Inoue S, Homma Y:

Expression of androgen and estrogen signaling components and stem cell markers to predict cancer progression and cancer-specific survival in patients with metastatic prostate cancer

Clin Cancer Res. 2014 Jul 1. pii: clincanres.1105.2013.

<http://clincancerres.aacrjournals.org/cgi/lookup?view=long&pmid=24987058>

Fujisawa M, Kanda T, Shibata T, Sasaki R, Masuzaki R, Matsumoto N, Nirei K, Imazu H, Kuroda K, Sugitani M, Takayama T, Moriyama M:

Involvement of the Interferon Signaling Pathways in Pancreatic Cancer Cells

Anticancer Res. 2020 Aug;40(8):4445-4455. doi: 10.21873/anticancer.14449.

<http://ar.iiarjournals.org/content/40/8/4445.full.pdf>

Fukuda T, Nomura M, Kato Y, Tojo H, Fujii K, Nagao T, Bando Y, Fehniger TE, Marko-Varga G, Nakamura H, Kato H, Nishimura T:

A selected reaction monitoring mass spectrometric assessment of biomarker candidates diagnosing large-cell neuroendocrine lung carcinoma by the scaling method using endogenous references

PLoS One. 2017 Apr 27;12(4):e0176219. doi: 10.1371/journal.pone.0176219. eCollection 2017.

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0176219>

Fukumoto T, Umakoshi H, Iwahashi N, Ogasawara T, Yokomoto-Umakoshi M, Kaneko H, Fujita M, Uchida N, Nakao H, Kawamura N, Matsuda Y, Sakamoto R, Miyazawa T, Seki M, Eto M, Oda Y, Suzuki Y, Ogawa S, Ogawa Y:

Steroids-producing nodules: a two-layered adrenocortical nodular structure as a precursor lesion of cortisol-producing adenoma

EBioMedicine. 2024 Mar 29;105087. doi: 10.1016/j.ebiom.2024.105087

<https://doi.org/10.1016/j.ebiom.2024.105087>

Fukushima S:

Genomic and transcriptomic analyses of melanoma in Japanese patients reveal candidate biomarkers for immune checkpoint inhibitor responders

Research Square, 18. Feb 2025

<https://doi.org/10.21203/rs.3.rs-5997977/v1>

Funel N, Baron M, Pollina LE, Del Chiaro M, Salem FA, Boggi U, Bevilacqua G, Mosca F, Campani D:
Homozygosity Mutation in K-ras Oncogene in Primary Cell Culture from Pancreatic Ductal Adenocarcinoma. Characteristic of the Tumor or Adaptation in Vitro?

JOP. J Pancreas (Online) 2007; 8(5 Suppl):658-659.

<http://www.joplink.net/prev/200709/39.html>

Funel N, Giovannetti E, Del Chiaro M, Pollina LE, Mosca F, Boggi U, Campani D:

Critical Role of Laser Microdissection for Genetic and Epigenetic Analyses in Pancreatic Cancer: Ten Years of Monocentric Experience

JOP. J Pancreas (Online) 2011 Oct 11; 12(5 Suppl):535

<http://www.joplink.net/prev/201109/162.html>

Funel N, Giovannetti E, Pollina LE, Del Chiaro M, Mosca F, Boggi U, Campani D:

Critical role of laser microdissection for genetic, epigenetic and proteomic analyses in pancreatic cancer

Expert Rev Mol Diagn. 2011 Sep;11(7):695-701

http://www.expert-reviews.com/doi/abs/10.1586/erm.11.62?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed

Funel N, Maftouh M, Faviana P, Avan A, Pollina LE, Caponi S, Milella M, Cantore M, Pacetti P, Mambrini A, Vasile E, Reni M, Boggi U, Campani D, Giovannetti E:

EZH2 Expression and Polymorphisms in Advanced Pancreatic Cancer

JOP. Journal of the Pancreas, Vol 14, No 5S (2013)

<http://dx.doi.org/10.6092%2F1590-8577%2F1776>

Funel, N., Menicagli, M., Campani, D., Esposito, I., Pollina, L.E., Recarli, N., Di Cristofano, C., Cavazzana, A.O., Chifenti, B., Del Chiaro, M., Boggi, U., Mosca, T., and Bevilacqua, G.:

Laser Microdissection on Primary Cell Cultures of Pancreatic Adenocarcinoma

J Pancreas 5: 438-439 (2004)

<http://www.joplink.net/prev/200409/68.html>

Funel N, Morelli M, Giovannetti E, Del Chiaro M, Pollina LE, Mosca F, Boggi U, Cavazzana A, Campani D:
Loss of Heterozygosity Status of D9S105 Marker Is Associated with Downregulation of Krüppel-Like Factor 4 Expression in Pancreatic Ductal Adenocarcinoma and Pancreatic Intraepithelial Lesions

Pancreatology. 2011 Mar 16;11(1):30-42.

<http://content.karger.com/produktedb/produkte.asp?doi=322990>

Funk T, Lim Y, Kulungowski AM, Prok L, Crombleholme TM, Choate K, Bruckner AL:

Symptomatic Congenital Hemangioma and Congenital Hemangiomatosis Associated With a Somatic Activating Mutation in GNA11

JAMA Dermatol. 2016 Jul 20. doi: 10.1001/jamadermatol.2016.2365.
<http://archderm.jamanetwork.com/article.aspx?articleid=2536060>

Fusco N, Guerini-Rocco E, Augello C, Terrasi A, Ercoli G, Fumagalli C, Vacirca D, Braidotti P, Parafioriti A, Jaconi M, Runza L, Ananthanarayanan V, Pagni F, Bosari S, Barberis M, Ferrero S:
Recurrent NAB2-STAT6 gene fusions and estrogen receptor alpha expression in pulmonary adenofibromas

Histopathology. 2017 Jan 10. doi: 10.1111/his.13165.
<http://dx.doi.org/10.1111/his.13165>

G Jagadeeshaprasad M, Zeng J, Zheng N:
LC-MS bioanalysis of protein biomarkers and protein therapeutics in formalin-fixed paraffin-embedded tissue specimens

Bioanalysis. 2024 Jan 16. doi: 10.4155/bio-2023-0210
<https://doi.org/10.4155/bio-2023-0210>

Gagner JP, Zagzag D:
Probing Glioblastoma Tissue Heterogeneity with Laser Capture Microdissection

Methods Mol Biol. 2018;1741:209-220. doi: 10.1007/978-1-4939-7659-1_17.
https://link.springer.com/protocol/10.1007/978-1-4939-7659-1_17

Gao F, Zhang G, Liu Y, He Y, Sheng Y, Sun X, Du Y, Yang C:
Activation of CD44 signaling in leader cells induced by tumor-associated macrophages drives collective detachment in luminal breast carcinomas

Cell Death Dis. 2022 Jun 9;13(6):540. doi: 10.1038/s41419-022-04986-4.
<https://www.nature.com/articles/s41419-022-04986-4>

Gao Y, Jiang M, Guo F, Liu X, Zhang Q, Yang S, Yeung YT, Yang R, Wang K, Wu Q, Zhang D, Zhang C, Laster KV, Ge M, Nie W, Liu K, Dong Z:

A novel lncRNA MTAR1 promotes cancer development through IGF2BPs mediated post-transcriptional regulation of c-MYC

Oncogene. 2022 Sep 15. doi: 10.1038/s41388-022-02464-x.
<https://www.nature.com/articles/s41388-022-02464-x>

García-García AB, Gómez-Mateo MC, Hilario R, Rentero-Garrido P, Martínez-Domenech A, Gonzalez-Albert V, Cervantes A, Marín-García P, Chaves FJ, Ferrández-Izquierdo A, Sabater L:

mRNA expression profiles obtained from microdissected pancreatic cancer cells can predict patient survival

Oncotarget. 2017 Aug 3;8(62):104796-104805. doi: 10.18632/oncotarget.20076. eCollection 2017 Dec 1.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5739601/pdf/oncotarget-08-104796.pdf>

Gendoo DMA, Denroche RE, Zhang A, Radulovich N, Jang GH, Lemire M, Fischer S, Chadwick D, Lungu IM, Ibrahimov E, Cao PJ, Stein LD, Wilson JM, Bartlett JMS, Tsao MS, Dhani N, Hedley D, Gallinger S, Haibe-Kains B:

Whole genomes define concordance of matched primary, xenograft, and organoid models of pancreas cancer

PLoS Comput Biol. 2019 Jan 10;15(1):e1006596. doi: 10.1371/journal.pcbi.1006596. eCollection 2019 Jan.
<http://dx.plos.org/10.1371/journal.pcbi.1006596>

Geng J, Wang H, Liu Y, Tai J, Jin Y, Zhang J, He L, Fu L, Qin H, Song Y, Su J, Zhang A, Wen X, Guo Y, Ni X:

Correlation between BRAF^{V600E} mutation and clinicopathological features in pediatric papillary thyroid carcinoma

SCIENCE CHINA Life Sciences, DOI 10.1007/s11427-017-9083-8
<http://engine.scichina.com/publisher/scp/journal/SCLS/doi/10.1007/s11427-017-9083-8?slug=full%20text>

Ghosh D, Ulasov IV, Chen L, Harkins LE, Wallenborg K, Hothi P, Rostad S, Hood L, Cobbs CS:
TGF β -Responsive HMOX1 Expression Is Associated with Stemness and Invasion in Glioblastoma Multiforme

Stem Cells. 2016 Jun 29. doi: 10.1002/stem.2411.

<http://dx.doi.org/10.1002/stem.2411>

Gillard M, Lack J, Pontier A, Gandla D, Hatcher D, Sowalsky AG, Rodriguez-Nieves J, Vander Griend D, Paner G, VanderWeele D:

Integrative Genomic Analysis of Coincident Cancer Foci Implicates CTNNB1 and PTEN Alterations in Ductal Prostate Cancer

Eur Urol Focus. 2017 Dec 8. pii: S2405-4569(17)30272-9. doi: 10.1016/j.euf.2017.12.003.

[http://www.eu-focus.europeanurology.com/article/S2405-4569\(17\)30272-9/fulltext](http://www.eu-focus.europeanurology.com/article/S2405-4569(17)30272-9/fulltext)

Gilling CE, Mittal AK, Chaturvedi NK, Iqbal J, Aoun P, Bierman PJ, Bociek RG, Weisenburger DD, Joshi SS:

Lymph node-induced immune tolerance in chronic lymphocytic leukaemia: a role for caveolin-1

Br J Haematol. 2012 May 10. doi: 10.1111/j.1365-2141.2012.09148.x.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2141.2012.09148.x/abstract>

Gillot L, Lebeau A, Baudin L, Pottier C, Louis T, Durré T, Longuespée R, Mazzucchelli G, Nizet C, Blacher S, Kridelka F, Noël A:

Periostin in lymph node pre-metastatic niches governs lymphatic endothelial cell functions and metastatic colonization

Cell Mol Life Sci. 2022 May 14;79(6):295. doi: 10.1007/s00018-022-04262-w.

<https://link.springer.com/article/10.1007/s00018-022-04262-w>

Giovannetti E, Del Tacca M, Mey V, Funel N, Nannizzi S, Ricci S, Boggi U, Orlandini C, Campani D, Del Chiaro M, Iannopolo M, Codacci-Pisanelli G, Bevilacqua G, Mosca F and Danesi R:

Expression of genes involved in the gemcitabine pathway and clinical outcome in pancreatic cancer patients

Proc Amer Assoc Cancer Res, Volume 47 (2006)

<http://www.aacrmeetingabstracts.org/cgi/content/abstract/2006/1/734-a>

Giovannetti E, van der Velde A, Funel N, Vasile E, Perrone V, Leon LG, De Lio N, Avan A, Caponi S, Pollina LE, Gallá V, Sudo H, Falcone A, Campani D, Boggi U, Peters GJ:

High-Throughput MicroRNA (miRNAs) Arrays Unravel the Prognostic Role of MiR-211 in Pancreatic Cancer

PLoS One. 2012;7(11):e49145. doi: 10.1371/journal.pone.0049145. Epub 2012 Nov 14.

<http://dx.plos.org/10.1371/journal.pone.0049145>

Giovannetti E, Wang Q, Avan A, Funel N, Lagerweij T, Lee JH, Caretti V, van der Velde A, Boggi U, Wang Y, Vasile E, Peters GJ, Wurdinger T, Giaccone G:

Role of CYB5A in Pancreatic Cancer Prognosis and Autophagy Modulation

J Natl Cancer Inst. 2013 Dec 3.

<http://jnci.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=24301457>

Giuffrè, G., Muller, A., Brodegger, T., Bocker-Edmonston, T., Gebert, J., Kloor, M., Dietmaier, W., Kullmann, F., Buttner, R., Tuccari, G., and Ruschoff, J.:

Microsatellite analysis of hereditary nonpolyposis colorectal cancer-associated colorectal adenomas by laser-assisted microdissection: correlation with mismatch repair protein expression provides new insights in early steps of tumorigenesis

J Mol Diagn 7(2): 160-170 (2005)

<http://www.journals.elsevierhealth.com/periodicals/jmdi/article/S1525-1578%2810%2960542-9/abstract>

Giovannetti, E., Del Tacca, M., Mey, V., Funel, N., Nannizzi, S., Ricci, S., Orlandini, C., Boggi, U., Campani, D., Del Chiaro, M., Iannopollo, M., Bevilacqua, G., Mosca, F., and Danesi, R.:

Transcription analysis of human equilibrative nucleoside transporter-1 predicts survival in pancreas cancer patients treated with gemcitabine

Cancer Res 66(7): 3928-3935 (2006)

<http://cancerres.aacrjournals.org/content/66/7/3928.long>

Giovannetti E, Funel N, Peters GJ, Del Chiaro M, Erozenci LA, Vasile E, Leon LG, Pollina LE, Groen A, Falcone A, Danesi R, Campani D, Verheul HM, Boggi U:

MicroRNA-21 in pancreatic cancer: correlation with clinical outcome and pharmacologic aspects underlying its role in the modulation of gemcitabine activity

Cancer Res. 2010 Jun 1;70(11):4528-38

<http://cancerres.aacrjournals.org/content/70/11/4528.short>

Gohno T, Hanamura T, Kurosumi M, Takei H, Yamaguchi Y, Hayashi SI:

One DNA Methylation Regulates CHIP Gene Expression of Human Breast Cancer and Predicts Recurrence

Anticancer Res. 2022 Feb;42(2):759-766. doi: 10.21873/anticancerres.15534.

<https://ar.iiarjournals.org/content/42/2/759>

Gong L, Wei LX, Ren P, Zhang WD, Liu XY, Han XJ, Yao L, Zhu SJ, Lan M, Li YH, Zhang W:

Dysplastic nodules with glypican-3 positive immunostaining: a risk for early hepatocellular carcinoma

PLoS One. 2014 Jan 31;9(1):e87120. doi: 10.1371/journal.pone.0087120. eCollection 2014.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0087120>

Gong L, Zhang WD, Liu XY, Han XJ, Yao L, Zhu SJ, Lan M, Li YH, Zhang W:

Clonal status and clinicopathological observation of cervical minimal deviation adenocarcinoma

Diagn Pathol 5:25 (2010)

<http://diagnosticpathology.org/content/5/1/25/abstract>

Gotoh O, Sugiyama Y, Takazawa Y, Kato K, Tanaka N, Omatsu K, Takeshima N, Nomura H, Hasegawa K, Fujiwara K, Taki M, Matsumura N, Noda T, Mori S:

Clinically relevant molecular subtypes and genomic alteration-independent differentiation in gynecologic carcinosarcoma

Nat Commun. 2019 Oct 31;10(1):4965. doi: 10.1038/s41467-019-12985-x.

<https://www.nature.com/articles/s41467-019-12985-x>

Gotoh O, Sugiyama Y, Tonooka A, Kosugi M, Kitaura S, Minegishi R, Sano M, Amino S, Furuya R, Tanaka N, Kaneyasu T, Kumegawa K, Abe A, Nomura H, Takazawa Y, Kanao H, Maruyama R, Noda T, Mori S:

Genetic and epigenetic alterations in precursor lesions of endometrial endometrioid carcinoma

J Pathol. 2024 May 11. doi: 10.1002/path.6278.

<https://doi.org/10.1002/path.6278>

Governa V, de Oliveira KG, Bång-Rudenstam A, Offer S, Cerezo-Magaña M, Li J, Beyer S, Johansson MC, Månsson AS, Edvardsson C, Durmo F, Gustafsson E, Boukredine A, Jeannot P, Schmidt K, Gezelius E, Menard JA, Garza R, Jakobsson J, de Neergaard T, Sundgren PC, Tiihonen AM, Haapasalo H, Rautajoki KJ, Nordenfelt P, Darabi A, Forsberg-Nilsson K, Pietras A, Talbot H, Bengzon J, Belting M:

Protumoral lipid droplet-loaded macrophages are enriched in human glioblastoma and can be therapeutically targeted

Sci Transl Med. 2024 Oct 30;16(771):eadk1168. doi: 10.1126/scitranslmed.adk1168.

<https://doi.org/10.1126/scitranslmed.adk1168>

Großerueschkamp F, Bracht T, Diehl HC, Kuepper C, Ahrens M, Kallenbach-Thieltges A, Mosig A, Eisenacher M, Marcus K, Behrens T, Brüning T, Theegarten D, Sitek B, Gerwert K:

Spatial and molecular resolution of diffuse malignant mesothelioma heterogeneity by integrating label-free FTIR imaging, laser capture microdissection and proteomics

Sci Rep. 2017 Mar 30;7:44829. doi: 10.1038/srep44829.

<http://dx.doi.org/10.1038/srep44829>

Grünwald BT, Devisme A, Andrieux G, Vyas F, Aliar K, McCloskey CW, Macklin A, Jang GH, Denroche R, Romero JM, Bavi P, Bronsert P, Notta F, O'Kane G, Wilson J, Knox J, Tamblyn L, Udaskin M, Radulovich N, Fischer SE, Boerries M, Gallinger S, Kislinger T, Khokha R:

Spatially confined sub-tumor microenvironments in pancreatic cancer.

Cell. 2021 Oct 7:S0092-8674(21)01105-3. doi: 10.1016/j.cell.2021.09.022.

<https://www.sciencedirect.com/science/article/pii/S0092867421011053>

Grünwald BT, Devisme A, Andrieux G, Vyas F, Aliar K, McCloskey C, Macklin A, Jang GH, Denroche R, Romero JM, Bavi P, Bronsert P, Notta F, O'Kane G, Wilson J, Knox J, Tamblyn L, Radulovich N, Fischer SE, Boerries M, Gallinger S, Kislinger T, Khokha R:

Spatially confined sub-tumor microenvironments orchestrate pancreatic cancer pathobiology

bioRxiv, 19 Feb 2021, doi: <https://doi.org/10.1101/2021.02.18.431890>

<https://www.biorxiv.org/content/10.1101/2021.02.18.431890v1>

Grzywa TM, Koppolu AA, Paskal W, Klicka K, Rydzanicz M, Wejman J, Ploski R, and Wlodarski P:

Higher Mutation Burden in High Proliferation Compartments of Heterogeneous Melanoma Tumors

Int. J. Mol. Sci. 2021, 22(8), 3886; <https://doi.org/10.3390/ijms22083886>

<https://www.mdpi.com/1422-0067/22/8/3886>

Gu-Qing Z, Ai-Lan C, Hong Y, Mao-Yu L, Guo-Qing L, Jian-Ling L, Li L:

Quantitative Proteomic Study for Various Stage Tissues of Human Bronchial Epithelial Carcinogenesis by Laser Capture Microdissection

Prog. Biochem. Biophys. 2013; 40 (6)

http://www.pibb.ac.cn/pibben/ch/reader/view_abstract.aspx?file_no=20120474&flag=2

Guedes J, Szadai L, Woldmar N, János AJ, Koroncziová K, Lengyel BM, Kelemen B, Boltas E, Gyulai R, Wieslander E, Pawlowski K, Horvatovich P, Betancourt L, Szasz AM, Vereb Z, Horvath P, Oskolás H, Appelqvist R, Malm J, Marko-Varga G, Németh IB, Gil J:

The melanoma MEGA-study: Integrating proteogenomics, digital pathology, and AI-analytics for precision oncology

J Proteomics. 2025 Jun 16:105482. doi: 10.1016/j.jprot.2025.105482.

<https://doi.org/10.1016/j.jprot.2025.105482>

Guedes J, Woldmar N, Szasz AM, Wieslander E, Pawlowski K, Horvatovich P, Malm J, Szadai L, Németh IB, Marko-Varga G, Gil J:

A perspective on integrating digital pathology, proteomics, clinical data and AI analytics in cancer research.

J Proteomics. 2025 Jul 16;320:105493. doi: 10.1016/j.jprot.2025.105493.

<https://doi.org/10.1016/j.jprot.2025.105493>

Guerra A, Sapio MR, Marotta V, Campanile E, Rossi S, Forno I, Fugazzola L, Budillon A, Moccia T, Fenzi G, Vitale M

The Primary Occurrence of BRAFV600E Is a Rare Clonal Event in Papillary Thyroid Carcinoma

J Clin Endocrinol Metab. 2011 Dec 14. [Epub ahead of print]

<http://jcem.endojournals.org/cgi/pmidlookup?view=long&pmid=22170714>

Guidoboni, M., Ponzoni, M., Caggiari, L., Lettini, A.A., Vago, L., De Re, V., Gloghini, A., Zancai, P., Carbone, A., Boiocchi, M., and Dolcetti, R.:

Latent membrane protein 1 deletion mutants accumulate in reed-sternberg cells of human immunodeficiency virus-related Hodgkin's lymphoma

J Virol 79(4): 2643-2649 (2005)

<http://jvi.asm.org/cgi/content/full/79/4/2643?view=long&pmid=15681466>

Guo X, Xue J, Sun L, Li T:

Are Ameloblastic Fibroma-related Lesions True Tumors? Evidence Through CNA and BRAF Mutation Analysis

The American Journal of Surgical Pathology ():10.1097/PAS.0000000000002319, October 11, 2024.

<https://dx.doi.org/10.1097/PAS.0000000000002319>

Haegglblom L, Ährlund-Richter A, Mirzaie L, Farrajota Neves da Silva P, Ursu RG, Ramqvist T, Näsman A :

Differences in gene expression between high-grade dysplasia and invasive HPV+ and HPV- tonsillar and base of tongue cancer

Cancer Med. 2019 Aug 27. doi: 10.1002/cam4.2450.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/cam4.2450>

Hallas C, Phillipp J, Domanowsky L, Kah B, Tiemann K:

BCL9L expression in pancreatic neoplasia with a focus on SPN: a possible explanation for the enigma of the benign neoplasia

BMC Cancer. 2016 Aug 18;16:648. doi: 10.1186/s12885-016-2707-1.

<http://bmccancer.biomedcentral.com/articles/10.1186/s12885-016-2707-1>

Han GH, Yun H, Chung JY, Kim JH, Cho H:

MED9 Expression Level as a Biomarker of Epithelial Ovarian Cancer Progression and Prognosis

Cancer Genomics Proteomics. 2022 Nov-Dec;19(6):692-702. doi: 10.21873/cgp.20352.

<https://cgp.iiarjournals.org/content/cgp/19/6/692.full.pdf>

Han S, Gonzalo DH, Feely M, Delitto D, Behrns KE, Beveridge M, Zhang D, Thomas R, Trevino JG, Schmittgen TD, Hughes SJ:

The pancreatic tumor microenvironment drives changes in miRNA expression that promote cytokine production and inhibit migration by the tumor associated stroma

Oncotarget. 2016 Jul 20. doi: 10.18632/oncotarget.10722.

<http://www.impactjournals.com/oncotarget/misc/linkedout.php?pii=10722>

Han TS, Oshima M:

Laser Microdissection of Cellular Compartments for Expression Analyses in Cancer Models

Methods Mol Biol. 2018;1725:143-153. doi: 10.1007/978-1-4939-7568-6_12.

https://link.springer.com/protocol/10.1007/978-1-4939-7568-6_12

Han Y, Liao Q, Wang H, Rao S, Yi P, Tang L, Tian Y, Oyang L, Wang H, Shi Y, Zhou Y:

High expression of calreticulin indicates poor prognosis and modulates cell migration and invasion via activating Stat3 in nasopharyngeal carcinoma

Journal of Cancer, 2019; 10(22): 5460-5468. doi: 10.7150/jca.35362

<http://www.jcancer.org/v10p5460.pdf>

Harino T, Tanaka K, Motooka D, Masuike Y, Takahashi T, Yamashita K, Saito T, Yamamoto K, Makino T, Kurokawa Y, Nakajima K, Eguchi H, Doki Y:

D-loop mutations in mitochondrial DNA are a risk factor for chemotherapy resistance in esophageal cancer

Sci Rep. 2024 Dec 30;14(1):31653. doi: 10.1038/s41598-024-80226-3.

<https://doi.org/10.1038/s41598-024-80226-3>

Harou O, Tondeur G, Descotes F, Balme B, Depaepe L, Bringuier P-P, Caramel J, Thomas L, Dalle S, Lopez J:

The dynamic molecular landscape of malignant melanomas arising from congenital or common nevi

Integr Mol Med 6: DOI: 10.15761/IMM.1000370

<https://www.oatext.com/the-dynamic-molecular-landscape-of-malignant-melanomas-arising-from-congenital-or-common-nevi.php>

Hartmann K, Schlombs K, Laible M, Gürtler C, Schmidt M, Sahin U, Lehr HA:

Robustness of biomarker determination in breast cancer by RT-qPCR: impact of tumor cell content, DCIS and non-neoplastic breast tissue

Diagn Pathol. 2018 Oct 20;13(1):83. doi: 10.1186/s13000-018-0760-6.

<https://diagnosticpathology.biomedcentral.com/articles/10.1186/s13000-018-0760-6>

Hata T, Suenaga M, Marchionni L, Macgregor-Das A, Yu J, Shindo K, Tamura K, Hruban RH, Goggins M: **Genome-Wide Somatic Copy Number Alterations and Mutations in High-Grade Pancreatic Intraepithelial Neoplasia**

Am J Pathol. 2018 Apr 22. pii: S0002-9440(17)31170-7. doi: 10.1016/j.ajpath.2018.03.012.

<https://www.sciencedirect.com/science/article/pii/S0002944017311707#!>

Hatterschide J:

E7, Ptpn14, And Yap1: How Papillomaviruses Retain Cells In The Basal Epithelial Layer With Implications For Persistence And Carcinogenesis

Publicly Accessible Penn (2022) Dissertations. 5374

<https://repository.upenn.edu/cgi/viewcontent.cgi?article=7160&context=edissertations>

Hayashi T, Koike K, Kumasaka T, Saito T, Mitani K, Terao Y, Ogishima D, Yao T, Takeda S, Takahashi K, Seyama K:

Uterine angiosarcoma associated with lymphangiomyomatosis in a patient with tuberous sclerosis complex: an autopsy case report with immunohistochemical and genetic analysis

Human Pathology, PII: S0046-8177(12)00112-8; doi:10.1016/j.humpath.2012.03.020

<http://www.humanpathol.com/article/S0046-8177%2812%2900112-8/abstract>

Hee Han G:

Clinical significance of tumor infiltrating lymphocytes in association with hormone receptor expression patterns in epithelial ovarian cancer

Thesis, 2021

<https://ir.ymlib.yonsei.ac.kr/bitstream/22282913/185523/1/TA02999.pdf>

Hembrough T, Thyparambil S, Liao WL, Darfler MM, Abdo J, Bengali KM, Taylor P, Tong J, Lara-Guerra H, Waddell TK, Moran MF, Tsao MS, Krizman DB, Burrows J.:

Selected Reaction Monitoring (SRM) Analysis of Epidermal Growth Factor Receptor (EGFR) in Formalin Fixed Tumor Tissue

Clin Proteomics. 2012 May 3;9(1):5. doi: 10.1186/1559-0275-9-5.

<http://www.clinicalproteomicsjournal.com/content/9/1/5>

Hempel Sullivan H, Maynard JP, Heaphy CM, Lu J, De Marzo AM, Lotan TL, Joshu CE, Sfanos KS:

Differential mast cell phenotypes in benign versus cancer tissues and prostate cancer oncologic outcomes

J Pathol. 2020 Dec 18. doi: 10.1002/path.5606.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/path.5606>

Hendriks TFE, Birmpili A, de Vleeschouwer S, Heeren RMA, Cuypers E:

Integrating Rapid Evaporative Ionization Mass Spectrometry Classification with Matrix-Assisted Laser Desorption Ionization Mass Spectrometry Imaging and Liquid Chromatography-Tandem Mass Spectrometry to Unveil Glioblastoma Overall Survival Prediction

ACS Chem Neurosci. 2025 Feb 25. doi: 10.1021/acscchemneuro.4c00463.

<https://doi.org/10.1021/acscchemneuro.4c00463>

Herfs M, Longuespée R, Quick CM, Roncarati P, Suarez-Carmona M, Hubert P, Lebeau A, Bruyere D, Mazzucchelli G, Smargiasso N, Baiwir D, Lai K, Dunn A, Obregon F, Yang EJ, De Pauw E, Crum CP, Delvenne P:

Proteomic signatures reveal a dualistic and clinically relevant classification of anal canal carcinoma

J Pathol. 2016 Dec 15. doi: 10.1002/path.4858.

<http://dx.doi.org/10.1002/path.4858>

Hiraide T, Ikegami K, Sakaguchi T, Morita Y, Hayasaka T, Masaki N, Waki M, Sugiyama E, Shinriki S, Takeda M, Shibasaki Y, Miyazaki S, Kikuchi H, Okuyama H, Inoue M, Setou M, Konno H:

Accumulation of arachidonic acid-containing phosphatidylinositol at the outer edge of colorectal cancer

Sci Rep. 2016 Jul 20;6:29935. doi: 10.1038/srep29935.

<http://dx.doi.org/10.1038/srep29935>

Hirano D, Urabe Y, Tanaka S, Nakamura K, Ninomiya Y, Yuge R, Hayashi R, Oka S, Kitadai Y, Shimamoto F, Arihiro K, Chayama K:

Early-stage serrated adenocarcinomas are divided into several molecularly distinct subtypes

PLoS One. 2019 Feb 20;14(2):e0211477. doi: 10.1371/journal.pone.0211477. eCollection 2019.

<http://dx.plos.org/10.1371/journal.pone.0211477>

Hironaka-Mitsuhashi A, Matsuzaki J, Takahashi RU, Yoshida M, Nezu Y, Yamamoto Y, Shiino S, Kinoshita T, Ushijima T, Hiraoka N, Shimizu C, Tamura K, Ochiya T:

A tissue microRNA signature that predicts the prognosis of breast cancer in young women

PLoS One. 2017 Nov 15;12(11):e0187638. doi: 10.1371/journal.pone.0187638. eCollection 2017.

<http://dx.plos.org/10.1371/journal.pone.0187638>

Hiroshima Y, Kasajima R, Kimura Y, Komura D, Ishikawa S, Ichikawa Y, Bouvet M, Yamamoto N, Oshima T, Morinaga S, Singh SR, Hoffman RM, Endo I, Miyagi Y:

Novel targets identified by integrated cancer-stromal interactome analysis of pancreatic adenocarcinoma

Cancer Letters, 2019, ISSN 0304-3835, <https://doi.org/10.1016/j.canlet.2019.10.031>.

<https://www.sciencedirect.com/science/article/abs/pii/S0304383519305348#!>

Hiyoshi Y, Schetter AJ, Okayama H, Inamura K, Anami K, Nguyen GH, Horikawa I, Hawkes JE, Bowman ED, Leung SY, Harris CC:

Increased MicroRNA-34b and -34c Predominantly Expressed in Stromal Tissues Is Associated with Poor Prognosis in Human Colon Cancer

PLoS One. 2015 Apr 20;10(4):e0124899. doi: 10.1371/journal.pone.0124899. eCollection 2015

<http://dx.plos.org/10.1371/journal.pone.0124899>

Hoffmann H:

Identifying Regulators of Tumor Vascular Morphology

Thesis, 2016

[https://opus.bibliothek.uni-wuerzburg.de/opus4-](https://opus.bibliothek.uni-wuerzburg.de/opus4-wuerzburg/frontdoor/deliver/index/docId/14234/file/Hoffmann_Helene_Morphology.pdf)

[wuerzburg/frontdoor/deliver/index/docId/14234/file/Hoffmann_Helene_Morphology.pdf](https://opus.bibliothek.uni-wuerzburg.de/opus4-wuerzburg/frontdoor/deliver/index/docId/14234/file/Hoffmann_Helene_Morphology.pdf)

Holzapfel N, Zhang A, Choi W-J, Denroche R, Jang G, Dodd A, Bucur R, Wilson J, Sapisochon G, Notta F, Grant RC, Gallinger S, Knox JJ, O'Kane GM:

Whole-genome sequencing of 20 cholangiocarcinoma cases reveals unique profiles in patients with cirrhosis and primary sclerosing cholangitis

J Gastrointest Oncol 2023

<https://dx.doi.org/10.21037/jgo-22-676>

Horvath P, Coscia F:

Spatial proteomics in translational and clinical research

Mol Syst Biol. 2025 Apr 14. doi: 10.1038/s44320-025-00101-9

<https://doi.org/10.1038/s44320-025-00101-9>

Hosono Y, Yamaguchi T, Mizutani E, Yanagisawa K, Arima C, Tomida S, Shimada Y, Hiraoka M, Kato S, Yokoi K, Suzuki M, Takahashi T:

MYBPH, a transcriptional target of TTF-1, inhibits ROCK1, and reduces cell motility and metastasis

EMBO J. 2011 Nov 15. doi: 10.1038/emboj.2011.416.

<http://www.nature.com/emboj/journal/vaop/ncurrent/full/emboj2011416a.html>

Hou S, Zhao L, Shen Q, Yu J, Ng C, Kong X, Wu D, Song M, Shi X, Xu X, OuYang WH, He R, Zhao XZ, Lee T, Brunicardi FC, Garcia MA, Ribas A, Lo RS, Tseng HR:

Polymer nanofiber-embedded microchips for detection, isolation, and molecular analysis of single circulating melanoma cells

Angew Chem Int Ed Engl. 2013 Mar 18;52(12):3379-83. doi: 10.1002/anie.201208452. Epub 2013 Feb 21.

<http://dx.doi.org/10.1002/anie.201208452>

Hsu, K., Huang, S., Chou, C., Shen, M., Cheng, Y., and Chen, Y.Q.:

SCC A2 and SCC A1 expression level in uterine cervical carcinogenesis

Proc Amer Assoc Caner Res 46 (2005)

<http://www.aacrmeetingabstracts.org/cgi/content/abstract/2005/1/85?maxtoshow=&HITS=10&hits=10&RE=SU&FORMAT=&andorexacttitle=and&titleabstract=SCC+A2+and+SCC+A1+expression+level+in+uterine+cervical+carcinogenesis&andorexacttitleabs=and&andorexactfulltext=and&searchid=1&FIRSTINDEX=0&resourcetype=HWCIT>

Huang P, Kong Q, Gao W, Chu B, Li H, Mao Y, Cai Z, Xu R, Tian R:

Spatial Proteome Profiling by Immunohistochemistry-Based Laser Capture Microdissection and Data-Independent Acquisition Proteomics

Analytica Chimica Acta, 2020 Aug 29, doi:10.1016/j.aca.2020.06.049

<https://www.sciencedirect.com/science/article/abs/pii/S000326702030698X>

Huang Q, Wang Y, Chen X, Wang Y, Li Z, Du S, Wang L, Chen S:

Nanotechnology-Based Strategies for Early Cancer Diagnosis Using Circulating Tumor Cells as a Liquid Biopsy

Nanotheranostics 2018, Vol. 2

<http://www.ntno.org/v02p0021.pdf>

Huang YS, Bu DF, Li XY, Ma ZH, Yang Y, Lin ZM, Lu FM, Tu P, Li H:

Unique features of PTCH1 mutation spectrum in Chinese sporadic basal cell carcinoma

J Eur Acad Dermatol Venereol. 2012 Feb 7. doi: 10.1111/j.1468-3083.2012.04453.x.

<http://dx.doi.org/10.1111/j.1468-3083.2012.04453.x>

Humphries A, Cereser B, Gay LJ, Miller DS, Das B, Gutteridge A, Elia G, Nye E, Jeffery R, Poulosom R, Novelli MR, Rodriguez-Justo M, McDonald SA, Wright NA, Graham TA:

Lineage tracing reveals multipotent stem cells maintain human adenomas and the pattern of clonal expansion in tumor evolution

Proc Natl Acad Sci U S A. 2013 Jun 13.

<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=23766371>

Hunt AL, Barakat W, Makohon-Moore SC, Hood BL, Conrads KA, Wilson KN, Abulez T, Ogata J, Pienta KJ, Lotan TL, Mani H, Trump DL, Bateman NW, Conrads TP:

Histology-resolved proteomics reveals distinct tumor and stromal profiles in low- and high-grade prostate cancer.

Clin Proteomics. 2025 Apr 20;22(1):14. doi: 10.1186/s12014-025-09534-8.

<https://doi.org/10.1186/s12014-025-09534-8>

Hunt AL, Bateman NW, Barakat W, Makohon-Moore SC, Abulez T, Driscoll JA, Schaaf JP, Hood BL, Conrads KA, Zhou M, Calvert V, Pierobon M, Loffredo J, Wilson KN, Litzi TJ, Teng PN, Oliver J, Mitchell D, Gist G, Rojas C, Blanton B, Darcy KM, Rao UNM, Petricoin EF, Phippen NT, Maxwell GL, Conrads TP:

Mapping three-dimensional intratumor proteomic heterogeneity in uterine serous carcinoma by multiregion microsampling

Clin Proteomics. 2024 Jan 22;21(1):4. doi: 10.1186/s12014-024-09451-2.

<https://doi.org/10.1186/s12014-024-09451-2>

Hunt AL, Bateman NW, Barakat W, Makohon-Moore S, Hood BL, Conrads KA, Zhou M, Calvert V, Pierobon M, Loffredo J, Litzi TJ, Oliver J, Mitchell D, Gist G, Rojas C, Blanton B, Robinson EL, Odunsi K, Sood AK, Casablanca Y, Darcy KM, Shriver CD, Petricoin EF, Rao UNM, Maxwell GL, and Conrads T:

Extensive Three-Dimensional Intratumor Proteomic Heterogeneity Revealed by Multiregion Sampling in High-Grade Serous Ovarian Tumor Specimens

ISCIENCE (2021), doi: <https://doi.org/10.1016/j.isci.2021.102757>.

<https://www.sciencedirect.com/science/article/pii/S2589004221007252>

Hunt AL, Khan I, Wu AML, Makohon-Moore SC, Hood BL, Conrads KA, Abulez T, Ogata J, Mitchell D, Gist G, Oliver J, Wei D, Chung MA, Rahman S, Bateman NW, Zhang W, Conrads TP, Steeg PS:

The murine metastatic microenvironment of experimental brain metastases of breast cancer differs by host age in vivo: a proteomic study

Clin Exp Metastasis. 2023 Nov 2. doi: 10.1007/s10585-023-10233-7.

<https://doi.org/10.1007/s10585-023-10233-7>

Hunt AL, Pierobon M, Baldelli E, Oliver J, Mitchell D, Gist G, Bateman NW, Larry Maxwell G, Petricoin EF, Conrads TP:

The impact of ultraviolet- and infrared-based laser microdissection technology on phosphoprotein detection in the laser microdissection-reverse phase protein array workflow

Clin Proteomics. 2020 Mar 9;17:9. doi: 10.1186/s12014-020-09272-z. eCollection 2020.

<https://clinicalproteomicsjournal.biomedcentral.com/track/pdf/10.1186/s12014-020-09272-z>

Hunt AL, Randall J, Mansukhani MM, Nyberg K, Nutchareen A, Davis J, Corgiat B, Mueller C, Melvin S, Sharma M, Johnston L, Swain W, Abulez T, Bateman NW, Maxwell GL, Deeken J, Benyounes A, Petricoin EF, Cannon TL, Conrads TP:

Integrating Functional Protein Drug Target Data into a Precision Oncology Molecular Tumor Board

medRxiv, 18 Oct 2024

<https://doi.org/10.1101/2024.10.17.24315608>

Hunt AL, Randall J, Mansukhani MM, Nyberg K, Nutchareen A, Davis J, Corgiat B, Mueller C, Melvin S, Sharma M, Johnston L, Swain W, Abulez T, Bateman NW, Maxwell GL, Deeken J, Benyounes A, Petricoin EF, Cannon TL, Conrads TP:

Real-time functional proteomics enhances therapeutic targeting in precision oncology molecular tumor boards

NPJ Precis Oncol. 2025 Apr 15;9(1):111. doi: 10.1038/s41698-025-00868-y.

<https://doi.org/10.1038/s41698-025-00868-y>

Hwang JH, Voortman J, Giovannetti E, Steinberg SM, Leon LG, Kim YT, Funel N, Park JK, Kim MA, Kang GH, Kim SW, Del Chiaro M, Peters GJ, Giaccone G:

Identification of MicroRNA-21 as a Biomarker for Chemoresistance and Clinical Outcome Following Adjuvant Therapy in Resectable Pancreatic Cancer

PLoS One. 2010 May 14;5(5):e10630

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0010630>

Igarashi S, Matsubara T, Harada K, Ikeda H, Sato Y, Sasaki M, Matsui O, Nakanuma Y:

Bile duct expression of pancreatic and duodenal homeobox 1 in perihilar cholangiocarcinogenesis

Histopathology. 2012 May 17. doi: 10.1111/j.1365-2559.2012.04218.x.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2559.2012.04218.x/abstract>

Ikeda, J., Morii, E., Tomita, Y., Xu, J.X., Kimura, H., Kohara, M., Hoshida, Y., and Aozasa, K.:

Methotrexate-associated lymphoproliferative disorder mimicking composite lymphoma

Int J Hematol 83(4): 363-365 (2006)

<http://www.springerlink.com/content/2700876436721844/>

Imaoka, T., Okamoto, M., Nishimura, M., Nishimura, Y., Ootawara, M., Kakinuma, S., Tokairin, Y., and Shimada, Y.:

Mammary tumorigenesis in ApcMin/+ mice is enhanced by X irradiation with a characteristic age dependence

Radiat Res 165(2): 165-173 (2006)

<http://www.rjournal.org/doi/full/10.1667/RR3502.1>

Inoue S, Hirota Y, Ueno T, Fukui Y, Yoshida E, Hayashi T, Kojima S, Takeyama R, Hashimoto T, Kiyono T, Ikemura M, Taguchi A, Tanaka T, Tanaka Y, Sakata S, Takeuchi K, Muraoka A, Osuka S, Saito T, Oda K, Osuga Y, Terao Y, Kawazu M, Mano H :

Uterine adenomyosis is an oligoclonal disorder associated with KRAS mutations

Nat Commun. 2019 Dec 19;10(1):5785. doi: 10.1038/s41467-019-13708-y.

<https://www.nature.com/articles/s41467-019-13708-y>

Ishak CA, Marhon SA, Tchakian N, Hodgson A, Loo Yau H, Gonzaga IM, Peralta M, Lungu IM, Gomez S, Liang SB, Shen SY, Chen R, Chen J, Chatterjee B, Wanniarachchi KN, Lee J, Zehrbach N, Hosseini A, Mehdipour P, Sun S, Solovyov A, Ettayebi I, Francis KE, He A, Wu T, Feng S, da Silva Medina T, Campos de Almeida F, Bayani J, Li J, MacDonald S, Wang Y, Garcia SS, Arthofer E, Diab N, Srivastava A, Austin PT, Sabatini PJB, Greenbaum BD, O'Brien CA, Shepherd TG, Tsao MS, Chiappinelli KB, Oza AM, Clarke BA, Rottapel R, Lheureux S, De Carvalho DD:

Chronic viral mimicry induction following p53 loss promotes immune evasion

Cancer Discov. 2025 Jan 7. doi: 10.1158/2159-8290.CD-24-0094.

<https://doi.org/10.1158/2159-8290.cd-24-0094>

Itakura M, Terashima Y, Shingyoji M, Yokoi S, Ohira M, Kageyama H, Matui Y, Yoshida Y, Ashinuma H, Moriya Y, Tamura H, Harigaya K, Matushima K, Iizasa T, Nakagawara A, Kimura H:

High CC chemokine receptor 7 expression improves postoperative prognosis of lung adenocarcinoma patients

Br J Cancer. 2013 Aug 6. doi: 10.1038/bjc.2013.440.

<http://www.nature.com/bjc/journal/vaop/ncurrent/full/bjc2013440a.html>

Ito S, Fujii H, Matsumoto T, Abe M, Ikeda K, Hino O:

Frequent expression of Niban in head and neck squamous cell carcinoma and squamous dysplasia

Head Neck 32(1):96-103 (2010)

<http://onlinelibrary.wiley.com/doi/10.1002/hed.21153/full>

Ito, S., Ohga, T., Saeki, H., Nakamura, T., Watanabe, M., Tanaka, S., Kakeji, Y., and Maehara, Y.:

p53 mutation profiling of multiple esophageal carcinoma using laser capture microdissection to demonstrate field carcinogenesis

Int J Cancer 113(1): 22-28 (2005)
<http://onlinelibrary.wiley.com/doi/10.1002/ijc.20500/full>

Ivagnes A:

Valeur prédictive du récepteur NKp30 dans la réponse à l'imatinib mesylate des tumeurs stromales gastrointestinales et identification d'un nouveau mécanisme inhibiteur des cellules Natural Killer par la voie TNF α /TNFR2/BIRC3/TRAF1

Thesis (article mainly in French), Oncoimmunology
<https://tel.archives-ouvertes.fr/tel-01625085/document>

Iwatsuki M, Mimori K, Ishii H, Yokobori T, Takatsuno Y, Sato T, Toh H, Onoyama I, Nakayama KI, Baba H, Mori M :

Loss of FBXW7, a cell cycle regulating gene, in colorectal cancer: clinical significance

Int J Cancer 126(8):1828-37 (2010)
<http://onlinelibrary.wiley.com/doi/10.1002/ijc.24879/full>

Iwatsuki M, Mimori K, Yokobori T, Tanaka F, Tahara K, Inoue H, Baba H, Mori M:

A platinum agent resistance gene, POLB, is a prognostic indicator in colorectal cancer

J Surg Oncol. 2009 Sep 1;100(3):261-6.
<http://onlinelibrary.wiley.com/doi/10.1002/jso.21275/abstract>

Iyer A, Hennessey D, O'Keefe S, Patterson J, Wang W, Salopek T, Wong GK, Gniadecki R:
Clonotypic heterogeneity in cutaneous T-cell lymphoma (mycosis fungoides) revealed by comprehensive whole-exome sequencing

Blood Adv. 2019 Apr 9;3(7):1175-1184. doi: 10.1182/bloodadvances.2018027482.
<http://www.bloodadvances.org/cgi/pmidlookup?view=long&pmid=30967393>

Jain V, Baraniya D, Chen T, Slifker M, Alakwaa F, Cai KQ, Chitralla KN, Fundakowski C, Al-Hebshi N:
Integrative metatranscriptomic analysis reveals disease-specific microbiome-host interactions in oral squamous cell carcinoma

Research Square, 2022, 24 May 2022, DOI: <https://doi.org/10.21203/rs.3.rs-1689707/v1>
<https://doi.org/10.21203/rs.3.rs-1689707/v1>

Jan YJ, Chen JF, Zhu Y, Lu YT, Chen SH, Chung H, Smalley M, Huang YW, Dong J, Chen LC, Yu HH, Tomlinson JS, Hou S, Agopian VG, Posadas EM, Tseng HR:

NanoVelcro rare-cell assays for detection and characterization of circulating tumor cells

Adv Drug Deliv Rev. 2018 Mar 15. pii: S0169-409X(18)30045-0. doi: 10.1016/j.addr.2018.03.006.
[https://linkinghub.elsevier.com/retrieve/pii/S0169-409X\(18\)30045-0](https://linkinghub.elsevier.com/retrieve/pii/S0169-409X(18)30045-0)

Jarzabek MA, Proctor WR, Vogt J, Desai R, Dicker P, Cain G, Raja R, Brodbeck J, Stevens D, van der Stok EP, Martens JWM, Verhoef C, Hegde PS, Byrne AT, Tarrant JM:

Interrogation of transcriptomic changes associated with drug-induced hepatic sinusoidal dilatation in colorectal cancer

PLoS One. 2018 Jun 7;13(6):e0198099. doi: 10.1371/journal.pone.0198099.
<http://dx.plos.org/10.1371/journal.pone.0198099>

Ji S, Cao L, Gao J, Du Y, Ye Z, Lou X, Liu F, Zhang Y, Xu J, Shi X, Wang H, Li P, Li Y, Chen H, Yang Z, Gao S, Zhang W, Huang D, Ni S, Wei M, Wang F, Wang Y, Ding T, Jing D, Fan G, Gong Z, Lu R, Qin Y, Chen J, Xu X, Wang P, Zhang B, Ding L, Robles AI, Rodriguez H, Chang DK, Hruban RH, Gao D, Gao D, Jin G, Zhou H, Wu J, Yu X :

Proteogenomic characterization of non-functional pancreatic neuroendocrine tumors unravels clinically relevant subgroups

Cancer Cell. 2025 Apr 1:S1535-6108(25)00117-5. doi: 10.1016/j.ccell.2025.03.016.
<https://doi.org/10.1016/j.ccell.2025.03.016>

Jia G, He P, Dai T, Goh D, Wang J, Sun M, Wee F, Li F, Lim JCT, Hao S, Liu Y, Lim TKH, Ngo NT, Tao Q, Wang W, Umar A, Nashan B, Zhang Y, Ding C, Yeong J, Liu L, Sun C:

Spatial immune scoring system predicts hepatocellular carcinoma recurrence

Nature. 2025 Mar 12. doi: 10.1038/s41586-025-08668-x.

<https://doi.org/10.1038/s41586-025-08668-x>

Jiang YZ, Yu KD, Peng WT, Di GH, Wu J, Liu GY, Shao ZM:

Enriched variations in TEKT4 and breast cancer resistance to paclitaxel

Nat Commun. 2014 May 13;5:3802. doi: 10.1038/ncomms4802.

<http://dx.doi.org/10.1038/ncomms4802>

Jing SY, Liu D, Feng N, Dong H, Wang HQ, Yan X, Chen XF, Qu MC, Lin P, Yi B, Feng F, Chen L, Wang HY, Li H, He YF:

Spatial multiomics reveals a subpopulation of fibroblasts associated with cancer stemness in human hepatocellular carcinoma

Genome Med. 2024 Aug 13;16(1):98. doi: 10.1186/s13073-024-01367-8.

<https://doi.org/10.1186/s13073-024-01367-8>

Johnston LE, Randall J, Chouraichi S, Luu M, Hunt AL, Mauro L, Mueller C, Davis JB, Petricoin EF, Conrads TP, Cannon TL, Huynh J:

Proteomics based selection achieves complete response to HER2 therapy in HER2 IHC 0 breast cancer

NPJ Precis Oncol. 2024 Sep 14;8(1):203. doi: 10.1038/s41698-024-00696-6.

<https://doi.org/10.1038/s41698-024-00696-6>

Johnson BL, d'Alincourt Salazar M, Mackenzie-Dyck S, D'Apuzzo M, Shih HP, Manuel ER, Diamond DJ:

Desmoplasia and oncogene driven acinar-to-ductal metaplasia are concurrent events during acinar cell-derived pancreatic cancer initiation in young adult mice

PLoS One. 2019 Sep 6;14(9):e0221810. doi: 10.1371/journal.pone.0221810. eCollection 2019.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0221810>

Jonchère V, Montémont H, Le Scanf E, Siret A, Letourneur Q, Tubacher E, Battail C, Fall A, Labreche K, Renault V, Ratovomanana T, Buhard O, Jolly A, Le Rouzic P, Feys C, Despras E, Zouali H, Nicolle R, Cervera P, Svrcek M, Bourgoin P, Blanché H, Boland A, Lefèvre J, Parc Y, Touat M, Bielle F, Arzur D, Cueff G, Le Jossic-Corcus C, Quéré G, Dujardin G, Blondel M, Le Maréchal C, Cohen R, André T, Coulet F, de la Grange P, de Reyniès A, Fléjou JF, Renaud F, Alentorn A, Corcos L, Deleuze JF, Collura A, Duval A:

Microsatellite instability at U2AF-binding polypyrimidic tract sites perturbs alternative splicing during colorectal cancer initiation

Genome Biol. 2024 Aug 6;25(1):210. doi: 10.1186/s13059-024-03340-5.

<https://doi.org/10.1186/s13059-024-03340-5>

Joseph A, Gnanapragasam VJ:

Laser-Capture Microdissection and Transcriptional Profiling in Archival FFPE Tissue in Prostate Cancer

Methods Mol Biol. 2011;755:291-300.

<http://www.springerlink.com/content/x5g8x31w083p3239/#section=924966&page=1&locus=5>

Kachroo N, Valencia T, Warren AY, Gnanapragasam VJ:

Evidence for downregulation of the negative regulator SPRED2 in clinical prostate cancer

Br J Cancer. 2012 Nov 20. doi: 10.1038/bjc.2012.507.

<http://dx.doi.org/10.1038/bjc.2012.507>

Kadonaga T, Sakabe T, Kidokoro Y, Haruki T, Nosaka K, Nakamura H, Umekita Y:

Gene expression profiling using targeted RNA-sequencing to elucidate the progression from histologically normal lung tissues to non-invasive lesions in invasive lung adenocarcinoma

Virchows Arch. 2022 Jan 24. doi: 10.1007/s00428-021-03250-y.

<https://link.springer.com/article/10.1007/s00428-021-03250-y>

Kahn BM, Lucas A, Alur R, Wengyn MD, Schwartz GW, Li J, Sun K, Maurer HC, Olive KP, Faryabi RB, Stanger B:

The vascular landscape of human cancer

J Clin Invest. 2020 Dec 1;136655. doi: 10.1172/JCI136655.

<https://www.jci.org/articles/view/136655>

Kalloger SE, Karasinska JM, Keung MS, Thompson DL, Ho J, Chow C, Gao D, Topham JT, Warren C, Wong HL, Lee MK, Renouf DJ, Schaeffer DF:

Stroma versus epithelium- enhanced prognostics through histologic stratification in pancreatic ductal adenocarcinoma

Int J Cancer. 2020 Sep 21. doi: 10.1002/ijc.33304.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/ijc.33304>

Kaneko, T., Okiji, T. & Nör, J.E.:

Laser capture microdissection in oral cancer research: a review

The Research and Biology of Cancer II. ISBN: . iConcept Press. (2013)

<http://iconceptpress.com/download/paper/12050811061845.pdf>

Kanwar N, Done SJ:

Negative Enrichment and Isolation of Circulating Tumor Cells for Whole Genome Amplification

Methods Mol Biol. 2017;1634:143-152. doi: 10.1007/978-1-4939-7144-2_11.

https://link.springer.com/protocol/10.1007/978-1-4939-7144-2_11

Kasahara K, Sugahara K, Yamauchi T, Bessho H, Ogawa C, Matsuzaka K, and Katakura A:

Therapeutic Effects of Green Tea Catechin Ointment on Oral Leukoplakia and Its Penetration into the Oral Mucosa

Int J Oral-Med Sci 20 (1) :57–67, 2021

https://www.jstage.jst.go.jp/article/ijoms/20/1/20_57/pdf

Katayama Y, Iwasaki T, Yamamoto T, Shimada N, Nakashima M, Toya M, Narutomi F, Tomonaga T, Kato K, Oda Y:

Loss of SMARCA4 induces sarcomatogenesis through epithelial-mesenchymal transition in ovarian carcinosarcoma

Cancer Sci. 2024 Dec 23. doi: 10.1111/cas.16423.

<https://doi.org/10.1111/cas.16423>

Kato K, Kuhara A, Yoneda T, Inoue T, Takao T, Ohgami T, Dan L, Kuboyama A, Kusunoki S, Takeda S, Wake N:

Sodium butyrate inhibits the self-renewal capacity of endometrial tumor side-population cells by inducing a DNA damage response.

Mol Cancer Ther. 2011 Jun 1; doi: 10.1158/1535-7163.MCT-10-1062

<http://mct.aacrjournals.org/content/early/2011/06/01/1535-7163.MCT-10-1062.abstract>

Kato Y, Nishimura T, Matsubayashi J, Furukawa K, Nomura M, Fujii K, Nakamura H, Kato H:

An importance of clinical proteomics for personalized medicine of lung cancer subtypes

Integr Cancer Sci Therap. 3: DOI: 10.15761/ICST.1000177.

<http://oatext.com/An-importance-of-clinical-proteomics-for-personalized-medicine-of-lung-cancer-subtypes.php#Article>

Katz SF, Lechel A, Obenauf AC, Begus-Nahrmann Y, Kraus J, Hoffmann EM, Duda J, Eshraghi P, Hartmann D, Liss B, Schirmacher P, Kestler HA, Speicher MR, Rudolph KL
Disruption of Trp53 in Livers of Mice Induces Formation of Carcinomas with Bilineal Differentiation
Gastroenterology. 2012 Feb 15. [Epub ahead of print]
[http://linkinghub.elsevier.com/retrieve/pii/S0016-5085\(12\)00204-1](http://linkinghub.elsevier.com/retrieve/pii/S0016-5085(12)00204-1)

Kawai H, Osawa Y, Tsunoda T, Matsuda M, Okawara M, Sakamoto Y, Shimagaki T, Tsutsui Y, Yoshida Y, Yoshikawa S, Doi H, Mori T, Yamazoe T, Yoshio S, Okamura T, Sugiyama M, Okuzaki D, Komatsu H, Inui A, Yanaga K, Ikegami T, Kanto T:
Peripheral-dominant liver fibrosis and tumor distribution in a mouse model of congestive hepatopathy
Hepatol Res. 2022 Dec 3. doi: 10.1111/hepr.13866.
<https://doi.org/10.1111/hepr.13866>

Kawamura T, Nomura M, Tojo H, Fujii K, Hamasaki H, Mikami S, Bando Y, Kato H, Nishimura T:
Proteomic analysis of laser-microdissected paraffin-embedded tissues: (1) Stage-related protein candidates upon non-metastatic lung adenocarcinoma
J Proteomics 73(6): 1089-99 (2010)
<http://dx.doi.org/10.1016/j.jprot.2009.11.011>

Kawanishi K:
Exploring comprehensive glycan profiles of acquired cystic kidney disease associated renal cell carcinoma to establish a new diagnostic biomarker
Impact, Volume 2021, Number 6, July 2021, pp. 40-42(3)
<https://doi.org/10.21820/23987073.2021.6.40>

Kawata J, Koga Y, Noguchi S, Shimada Y, Yamada Y, Yamamoto T, Shindo K, Nakamura M, Oda Y:
Clinicopathological features and genetic alterations in mixed-type ampullary carcinoma
Mod Pathol. 2023 Mar 31:100181. doi: 10.1016/j.modpat.2023.100181.
<https://doi.org/10.1016/j.modpat.2023.100181>

Kaya F, Zimmerman MD, Antilus-Sainte R, Gengenbacher M, Carter CL, Dartois V:
Spatial quantitation of antibiotics in bone tissue compartments by laser-capture microdissection coupled with UHPLC-tandem mass spectrometry
Anal Bioanal Chem. 2022 Aug 10. doi: 10.1007/s00216-022-04257-3.
<https://link.springer.com/article/10.1007/s00216-022-04257-3>

Kazanc E:
MSI-based mapping strategies in tumour-heterogeneity
Thesis, Sep 2022
<https://doi.org/10.25560/100162>

Kecheryukova M.M., Snezhko A.V., Verenikina E.V., Menshenina A.P., Adamyan M.L., Arja A.Yu., Kecheryukova T.M.:
Features of genes copy number in normal, primary tumor, and lymph nodes metastases cells in patients with cervical cancer
Journal of Clinical Oncology, 28 May 2021, Volume 39, Issue 15_suppl (Russian language)
<https://www.science-education.ru/pdf/2021/3/30904.pdf>

Kelly, M.G., Alvero, A.B., Chen, R., Silasi, D.A., Abrahams, V.M., Chan, S., Visintin, I., Rutherford, T., and Mor, G.:
TLR-4 signaling promotes tumor growth and paclitaxel chemoresistance in ovarian cancer
Cancer Res 66(7): 3859-3868 (2006)
<http://cancerres.aacrjournals.org/content/66/7/3859.long>

Kerr SE, Flotte AB, McFalls MJ, Vrana JA, Halling KC, Bell DA:

Matching Maternal Isodisomy in Mucinous Carcinomas and Associated Ovarian Teratomas Provides Evidence of Germ Cell Derivation for Some Mucinous Ovarian Tumors

Am J Surg Pathol. 2013 Jun 14.

http://journals.lww.com/ajsp/Abstract/publishahead/Matching_Maternal_Isodisomy_in_Mucinous_Carcinomas.98783.aspx

Kieffer, N., Schmitz, M., Plancon, S., Margue, C., Huselstein, F., Grignard, G., Dippel, W., Nathan, M., Giacchi, S., and Scheiden, R.:

ILK as a potential marker gene to ascertain specific adenocarcinoma cell mRNA isolation from frozen prostate biopsy tissue sections

Int J Oncol 26(6): 1549-1558 (2005)

<http://www.spandidos-publications.com/ijo/26/6/1549>

Kikuchi A, Ishikawa T, Mogushi K, Ishiguro M, Iida S, Mizushima H, Uetake H, Tanaka H, Sugihara K:

Identification of NUCKS1 as a colorectal cancer prognostic marker through integrated expression and copy number analysis

Int J Cancer. 2012 Oct 15. doi: 10.1002/ijc.27911.

<http://dx.doi.org/10.1002/ijc.27911>

Kikuchi-Koike R, Nagasaka K, Tsuda H, Ishii Y, Sakamoto M, Kikuchi Y, Fukui S, Miyagawa Y, Hiraike H, Kobayashi T, Kinoshita T, Kanai Y, Shibata T, Imoto I, Inazawa J, Matsubara O, Ayabe T:

Array comparative genomic hybridization analysis discloses chromosome copy number alterations as indicators of patient outcome in lymph node-negative breast cancer

BMC Cancer. 2019 May 30;19(1):521. doi: 10.1186/s12885-019-5737-7.

<https://bmccancer.biomedcentral.com/track/pdf/10.1186/s12885-019-5737-7>

Kim SK, Jung WH, Koo JS:

Differential expression of enzymes associated with serine/glycine metabolism in different breast cancer subtypes

PLoS One. 2014 Jun 30;9(6):e101004. doi: 10.1371/journal.pone.0101004. eCollection 2014.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0101004>

Kimura Y, Arakawa F, Kiyasu J, Miyoshi H, Yoshida M, Ichikawa A, Niino D, Sugita Y, Okamura T, Doi A, Yasuda K, Tashiro K, Kuhara S, Ohshima K:

The Wnt signaling pathway and mitotic regulators in the initiation and evolution of mantle cell lymphoma: Gene expression analysis

Int J Oncol. 2013 Jun 12. doi: 10.3892/ijo.2013.1982.

<http://www.spandidos-publications.com/10.3892/ijo.2013.1982>

Kimura Y, Fukuda A, Ogawa S, Maruno T, Takada Y, Tsuda M, Hiramatsu Y, Araki O, Nagao M, Yoshikawa T, Ikuta K, Yoshioka T, Wang Z, Akiyama H, Wright CV, Takaori K, Uemoto S, Chiba T, Seno H :

ARID1A Maintains Differentiation of Pancreatic Ductal Cells and Inhibits Development of Pancreatic Ductal Adenocarcinoma in Mice

Gastroenterology. 2018 Mar 28. pii: S0016-5085(18)30346-9. doi: 10.1053/j.gastro.2018.03.039.

[https://linkinghub.elsevier.com/retrieve/pii/S0016-5085\(18\)30346-9](https://linkinghub.elsevier.com/retrieve/pii/S0016-5085(18)30346-9)

Kinowaki Y, Fukumura Y, Kawade G, Sugita K, Kinowaki K, Akahoshi K, Kobayashi M, Ono H, Kudo A, Tanabe M, Akashi T, Ohashi K, Kurata M:

Gene expression profiling of pancreatic neuroendocrine carcinoma and mixed neuroendocrine-non-neuroendocrine neoplasm

Gene. 2023 Oct 20;893:147916. doi: 10.1016/j.gene.2023.147916.

<https://doi.org/10.1016/j.gene.2023.147916>

Kirana C, Peng L, Miller R, Keating JP, Glenn C, Shi H, Jordan TW, Maddern GJ, Stubbs RS:
Combination of laser microdissection, 2D-DIGE and MALDI-TOF MS to identify protein biomarkers to predict colorectal cancer spread
Clin Proteomics. 2019 Jan 22;16:3. doi: 10.1186/s12014-019-9223-7. eCollection 2019.
<https://clinicalproteomicsjournal.biomedcentral.com/articles/10.1186/s12014-019-9223-7>

Kirana C, Shi H, Laing E, Hood K, Miller R, Bethwaite P, Keating J, Jordan TW, Hayes M, and Stubbs R:
Cathepsin D Expression in Colorectal Cancer: From Proteomic Discovery through Validation Using Western Blotting, Immunohistochemistry, and Tissue Microarrays
International Journal of Proteomics, Volume 2012 (2012), Article ID 245819, 10 pages,
doi:10.1155/2012/245819
<http://www.hindawi.com/journals/ijpro/2012/245819/cta/>

Kishi N, Ito M, Miyata Y, Kanai A, Handa Y, Tsutani Y, Kushitani K, Takeshima Y, Okada M:
Intense Expression of EGFR L858R Characterizes the Micropapillary Component and L858R Is Associated with the Risk of Recurrence in pN0M0 Lung Adenocarcinoma with the Micropapillary Component
Ann Surg Oncol. 2019 Nov 15. doi: 10.1245/s10434-019-07854-2.
<https://link.springer.com/article/10.1245/s10434-019-07854-2>

Kiso M, Urabe Y, Ito M, Masuda K, Boda T, Kotachi T, Hata K, Yorita N, Nagasaki N, Abduwali M, Hiyama Y, Oka S, Tanaka S, Chayama K:
Clinical and genomic characteristics of mucosal signet-ring cell carcinoma in Helicobacter pylori-uninfected stomach
BMC Gastroenterol. 2020 Jul 29;20(1):243. doi: 10.1186/s12876-020-01387-9
<https://link.springer.com/content/pdf/10.1186/s12876-020-01387-9.pdf>

Klevebring D, Lindberg J, Rockberg J, Hilliges C, Hall P, Sandberg M, Czene K:
Exome sequencing of contralateral breast cancer identifies metastatic disease
Breast Cancer Res Treat. 2015 Apr 29.
<http://dx.doi.org/10.1007/s10549-015-3403-6>

Knudsen ES, Ertel A, Davicioni E, Kline J, Schwartz GF, Witkiewicz AK:
Progression of ductal carcinoma in situ to invasive breast cancer is associated with gene expression programs of EMT and myoepithelia
Breast Cancer Res Treat. 2011 Dec 2. [Epub ahead of print]
<http://www.springerlink.com/content/f8l50452382np711/>

Kobayashi H, Nakai T, Nakanishi Y, Esumi M, Masuda S:
Phylogenetic analysis of combined lobular and ductal carcinoma of the breast
Mol Med Rep. 2021 Oct;24(4):718. doi: 10.3892/mmr.2021.12357.
<https://www.spandidos-publications.com/mmr/24/4/718>

Kobayashi, K., Nishioka, M., Kohno, T., Nakamoto, M., Maeshima, A., Aoyagi, K., Sasaki, H., Takenoshita, S., Sugimura, H., and Yokota, J.:
Identification of genes whose expression is upregulated in lung adenocarcinoma cells in comparison with type II alveolar cells and bronchiolar epithelial cells in vivo
Oncogene 23(17): 3089-3096 (2004)
<http://www.nature.com/onc/journal/v23/n17/full/1207433a.html>

Kobayashi T, Omori Y, Ono Y, Karasaki H, Mizukami Y, Makino N, Motoi F, Unno M, Ueno Y, Furukawa T:
Pathways for the development of multiple epithelial types of intraductal papillary mucinous neoplasm of the pancreas
J Gastroenterol. 2021 Apr 1. doi: 10.1007/s00535-021-01783-2.

<https://link.springer.com/article/10.1007/s00535-021-01783-2>

Köm S, Civriz Bozdog S, Özcan M, Kuzu I (Turkish language):

The Role of Transforming Growth Factor β (TGF β)/ Smad Pathway in Microenvironment Organization of Follicular Lymphoma and its Relevance to Prognosis

LLM Dergi 2025;9(2):41-52 • 10.5578/llm.202502185

<http://doi.org/10.5578/llm.202502185>

Koganemaru S, Kawai T, Fuchigami H, Maeda N, Koyama K, Kuboki Y, Mukohara T, Doi T, Yasunaga M:
Quantitative analysis of drug distribution in heterogeneous tissues using dual-stacking capillary electrophoresis-mass spectrometry

Br J Pharmacol. 2022 Nov 15. doi: 10.1111/bph.15988.

<https://doi.org/10.1111/bph.15988>

Komuta M, Govaere O, Vandecaveye V, Akiba J, Van Steenberghe W, Verslype C, Pirenne J, Aerts R, Yano H, Nevens F, Topal B, Roskams T

Histological diversity in cholangiocellular carcinoma reflects the different cholangiocyte phenotypes

Hepatology. 2012 Jan 23. doi: 10.1002/hep.25595.

<http://dx.doi.org/10.1002/hep.25595>

Koper A, Zeef LA, Joseph L, Kerr K, Gosney J, Lindsay MA, Booton R:

Whole Transcriptome Analysis of Pre-invasive and Invasive Early Squamous Lung Carcinoma in Archival Laser Microdissected Samples

Respir Res. 2017 Jan 10;18(1):12. doi: 10.1186/s12931-016-0496-3.

<https://respiratory-research.biomedcentral.com/articles/10.1186/s12931-016-0496-3>

Koperek O, Kornauth C, Capper D, Berghoff AS, Asari R, Niederle B, von Deimling A, Birner P, Preusser M:

Immunohistochemical detection of the BRAF V600E-mutated protein in papillary thyroid carcinoma

Am J Surg Pathol. 2012 Jun;36(6):844-50. doi: 10.1097/PAS.0b013e318246b527.

<http://meta.wkhealth.com/pt/pt-core/template-journal/wwwgateway/media/landingpage.htm?issn=0147-5185&volume=36&issue=6&spage=844>

Kortüm B, Campregher C, Lang M, Khare V, Pinter M, Evstatiev R, Schmid G, Mittlböck M, Scharl T, Kucherlapati MH, Edelmann W, Gasche C:

Mesalazine and thymoquinone attenuate intestinal tumour development in Msh2loxP/loxP Villin-Cre mice

Gut. 2014 Nov 26. pii: gutjnl-2014-307663. doi: 10.1136/gutjnl-2014-307663.

<http://gut.bmj.com/cgi/lookup?view=long&pmid=25429050>

Korvala J, Jee K, Porkola E, Almangush A, Mosakhani N, Bitu C, Cervigne NK, Zandonadi FS, Meirelles GV, Leme AF, Coletta RD, Leivo I, Salo T:

MicroRNA and protein profiles in invasive versus non-invasive oral tongue squamous cell carcinoma cells in vitro

Exp Cell Res. 2016 Oct 20. pii: S0014-4827(16)30340-8. doi: 10.1016/j.yexcr.2016.10.015.

[http://linkinghub.elsevier.com/retrieve/pii/S0014-4827\(16\)30340-8](http://linkinghub.elsevier.com/retrieve/pii/S0014-4827(16)30340-8)

Kowalik MA, Puliga E, Cabras L, Sulas P, Petrelli A, Perra A, Ledda-Columbano GM, Morandi A, Merlin S, Orrù C, Sanchez-Martin C, Fornari F, Gramantieri L, Parri M, Rasola A, Bellomo SE, Sebastian C, Follenzi A, Giordano S, Columbano A:

Thyroid hormone inhibits hepatocellular carcinoma progression via induction of differentiation and metabolic reprogramming

J Hepatol. 2020 Jan 15. pii: S0168-8278(20)30009-X. doi: 10.1016/j.jhep.2019.12.018.

<https://www.sciencedirect.com/science/article/pii/S016882782030009X#!>

Kristensen LS, Ebbesen KK, Sokol M, Jakobsen T, Korsgaard U, Eriksen AC, Hansen TB, Kjems J, Hager H:

Spatial expression analyses of the putative oncogene ciRS-7 in cancer reshape the microRNA sponge theory

Nat Commun. 2020 Sep 11;11(1):4551. doi: 10.1038/s41467-020-18355-2.

<https://www.nature.com/articles/s41467-020-18355-2.pdf>

Kruspig B, Monteverde T, Neidler S, Hock A, Kerr E, Nixon C, Clark W, Hedley A, Laing S, Coffelt SB, Le Quesne J, Dick C, Vousden KH, Martins CP, Murphy DJ:

The ERBB network facilitates KRAS-driven lung tumorigenesis

Sci Transl Med. 2018 Jun 20;10(446). pii: eaao2565. doi: 10.1126/scitranslmed.aao2565. Erratum in: Sci Transl Med. 2018 Nov 21;10(468):.

<http://stm.sciencemag.org/cgi/pmidlookup?view=short&pmid=29925636>

Kubo Y, Tanaka K, Masuike Y, Yamashita K, Makino T, Saito T, Yamamoto K, Takahashi T, Kurokawa Y, Yamasaki M, Nakajima K, Eguchi H, Doki Y:

Low mitochondrial DNA copy number induces chemotherapy resistance via epithelial-mesenchymal transition by DNA methylation in esophageal squamous cancer cells

Research Square, 6th May 2022, DOI: <https://doi.org/10.21203/rs.3.rs-1602834/v1>

<https://doi.org/10.21203/rs.3.rs-1602834/v1>

Kudo N, Ogose A, Ariizumi T, Kawashima H, Hotta T, Hatano H, Morita T, Nagata M, Siki Y, Kawai A, Hotta Y, Hoshino M, Endo N:

Expression of Bone Morphogenetic Proteins in Giant Cell Tumor of Bone

Anticancer Res. 2009 Jun;29(6):2219-25

<http://ar.iiarjournals.org/content/29/6/2219.short>

Kumagae Y, Hirahashi M, Takizawa K, Yamamoto H, Gushima M, Esaki M, Matsumoto T, Nakamura M, Kitazono T, Oda Y:

Overexpression of MTH1 and OGG1 proteins in ulcerative colitis-associated carcinogenesis

Oncology Letters, 0, 0-0. <https://doi.org/10.3892/ol.2018.8812>

<https://www.spandidos-publications.com/10.3892/ol.2018.8812>

Kumagai K, Shimizu T, Nikaido M, Hirano T, Kakiuchi N, Takeuchi Y, Minamiguchi S, Sakurai T, Teramura M, Utsumi T, Hiramatsu Y, Nakanishi Y, Takai A, Miyamoto S, Ogawa S, Seno H:

On the origin of gastric tumours: analysis of a case with intramucosal gastric carcinoma and oxyntic gland adenoma

J Pathol. 2023 Jan 10. doi: 10.1002/path.6050.

<https://doi.org/10.1002/path.6050>

Kunita A, Morita S, Irida TU, Goto A, Niki T, Takai D, Nakajima J, Fukayama M:

MicroRNA-21 in cancer-associated fibroblasts supports lung adenocarcinoma progression

Sci Rep. 2018 Jun 11;8(1):8838. doi: 10.1038/s41598-018-27128-3.

<http://dx.doi.org/10.1038/s41598-018-27128-3>

Kuscu C, Evensen N, Kim D, Hu Y-J, Zucker S, and Cao J:

Transcriptional and Epigenetic Regulation of KIAA1199 Gene Expression in Human Breast Cancer

PLoS ONE 7(9): e44661. doi:10.1371/journal.pone.0044661

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0044661>

Kuribayashi, M., Asamoto, M., Suzuki, S., Hokaiwado, N., Ogawa, K., and Shirai, T.:

Lack of modification of 2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline (MeIQx) rat hepatocarcinogenesis by caffeine, a CYP1A2 inducer, points to complex counteracting influences
Cancer Lett 232(2): 289-299 (2006)

<http://www.cancerletters.info/article/S0304-3835%2805%2900231-4/abstract>

Kuwabara K, Suzuki O, Chika N, Kumamoto K, Minabe T, Fukuda T, Arai E, Tamaru JI, Akagi K, Eguchi H, Okazaki Y, Ishida H:

Prevalence and molecular characteristics of DNA mismatch repair protein-deficient sebaceous neoplasms and keratoacanthomas in a Japanese hospital-based population

Jpn J Clin Oncol. 2018 Apr 28. doi: 10.1093/jjco/hyy055.

<https://academic.oup.com/jjco/article-lookup/doi/10.1093/jjco/hyy055>

La Belle Flynn A, Calhoun BC, Sharma A, Chang JC, Almasan A, Schiemann WP:

Autophagy inhibition elicits emergence from metastatic dormancy by inducing and stabilizing Pfkfb3 expression

Nat Commun. 2019 Aug 14;10(1):3668. doi: 10.1038/s41467-019-11640-9.

<https://www.nature.com/articles/s41467-019-11640-9.pdf>

Lam, KHB:

Development of an Anatomical Proteomic Atlas of Glioblastoma

Thesis, 2022

https://tspace.library.utoronto.ca/bitstream/1807/123325/1/Lam_Ka_Hang_Brian_202211_PhD_thesis.pdf

Lam KHB, Leon AJ, Hui W, Lee SC, Batruch I, Faust K, Klekner A, Hutóczy G, Koritzinsky M, Richer M, Djuric U, Diamandis P:

Topographic mapping of the glioblastoma proteome reveals a triple-axis model of intra-tumoral heterogeneity

Nat Commun. 2022 Jan 10;13(1):116. doi: 10.1038/s41467-021-27667-w.

<https://www.nature.com/articles/s41467-021-27667-w>

Langenkamp E, vom Hagen FM, Zwiers PJ, Moorlag HE, Schouten JP, Hammes HP, Gouw ASH, and Molema G:

Tumor Vascular Morphology Undergoes Dramatic Changes during Outgrowth of B16Melanoma While Proangiogenic Gene Expression Remains Unchanged

ISRN Oncology, Vol 2011, Article ID 409308, 14 pages, doi:10.5402/2011/409308

<http://www.isrn.com/journals/oncology/2011/409308/>

Lawson ARJ, Abascal F, Coorens THH, Hooks Y, O'Neill L, Latimer C, Raine K, Sanders MA, Warren AY, Mahbubani KTA, Bareham B, Butler TM, Harvey LMR, Cagan A, Menzies A, Moore L, Colquhoun AJ, Turner W, Thomas B, Gnanapragasam V, Williams N, Rassl DM, Vöhringer H, Zumalave S, Nangalia J, Tubio JMC, Gerstung M, Saeb-Parsy K, Stratton MR, Campbell PJ, Mitchell TJ, Martincorena I:

Extensive heterogeneity in somatic mutation and selection in the human bladder

Science. 2020 Oct 2;370(6512):75-82. doi: 10.1126/science.aba8347.

<https://science.sciencemag.org/content/370/6512/75.abstract>

Le Large TY, Mantini G, Meijer LL, Pham TV, Funel N, van Grieken NC, Kok B, Knol JC, van Laarhoven HWM, Piersma SR, Jimenez CR, Kazemier G, Giovannetti E, Bijlsma MF :

Microdissected pancreatic cancer proteomes reveal tumor heterogeneity and therapeutic targets

JCI Insight. 2020 Jul 7:138290. doi: 10.1172/jci.insight.138290.

<https://doi.org/10.1172/jci.insight.138290>

Le Loarer F, Watson S, Pierron G, de Montpreville VT, Ballet S, Firmin N, Auguste A, Pissaloux D, Boyault S, Paindavoine S, Dechelotte PJ, Besse B, Vignaud JM, Brevet M, Fadel E, Richer W, Treilleux I, Masliah-Planchon J, Devouassoux-Shisheboran M, Zalzman G, Allory Y, Bourdeaut F, Thivolet-Bejui F, Ranchere-Vince D, Girard N, Lantuejoul S, Galateau-Sallé F, Coindre JM, Leary A, Delattre O, Blay JY, Tirole F:

SMARCA4 inactivation defines a group of undifferentiated thoracic malignancies transcriptionally related to BAF-deficient sarcomas

Nat Genet. 2015 Sep 7. doi: 10.1038/ng.3399.

<http://dx.doi.org/10.1038/ng.3399>

Lebelo RL, Bogers JJ, Thys S, Depuydt C, Benoy I, Selabe SG, Bida MN, Mphahlele MJ:
Detection, genotyping and quantitation of multiple hpv infections in south african women with cervical squamous cell carcinoma

J Med Virol. 2015 Jun 2. doi: 10.1002/jmv.24132.

<http://dx.doi.org/10.1002/jmv.24132>

Lee BCH, Robinson PS, Coorens THH, Yan HHN, Olafsson S, Lee-Six H, Sanders MA, Siu HC, Hewinson J, Yue SSK, Tsui WY, Chan ASY, Chan AKW, Ho SL, Campbell PJ, Martincorena I, Buczacki SJA, Yuen ST, Leung SY, Stratton MR:

Mutational landscape of normal epithelial cells in Lynch Syndrome patients

Nat Commun. 2022 May 17;13(1):2710. doi: 10.1038/s41467-022-29920-2.

<https://www.nature.com/articles/s41467-022-29920-2>

Lee JH, Giovannetti E, Hwang JH, Petrini I, Wang Q, Voortman J, Wang Y, Steinberg SM, Funel N, Meltzer PS, Wang Y, Giaccone G :

Loss of 18q22.3 involving the carboxypeptidase of glutamate-like gene is associated with poor prognosis in resected pancreatic cancer

Clin Cancer Res. 2012 Jan 15;18(2):524-33.

<http://clincancerres.aacrjournals.org/content/18/2/524.abstract>

Lee S, Zhao L, Rojas C, Bateman NW, Yao H, Lara OD, Celestino J, Morgan MB, Nguyen TV, Conrads KA, Rangel KM, Dood RL, Hajek RA, Fawcett GL, Chu RA, Wilson K, Loffredo JL, Viollet C, Jazaeri AA, Dalgard CL, Mao X, Song X, Zhou M, Hood BL, Banskota N, Wilkerson MD, Te J, Soltis AR, Roman K, Dunn A, Cordover D, Eterovic AK, Liu J, Burks JK, Baggerly KA, Fleming ND, Lu KH, Westin SN, Coleman RL, Mills GB, Casablanca Y, Zhang J, Conrads TP, Maxwell GL, Futreal PA, Sood AK

Molecular Analysis of Clinically Defined Subsets of High-Grade Serous Ovarian Cancer

Cell Rep. 2020 Apr 14;31(2):107502. doi: 10.1016/j.celrep.2020.03.066.

<https://www.sciencedirect.com/science/article/pii/S2211124720303922>

Lee-Six H, Olafsson S, Ellis P, Osborne RJ, Sanders MA, Moore L, Georgakopoulos N, Torrente F, Noorani A, Goddard M, Robinson P, Coorens THH, O'Neill L, Alder C, Wang J, Fitzgerald RC, Zilbauer M, Coleman N, Saeb-Parsy K, Martincorena I, Campbell PJ, Stratton MR:

The landscape of somatic mutation in normal colorectal epithelial cells

Nature. 2019 Oct;574(7779):532-537. doi: 10.1038/s41586-019-1672-7.

<https://www.nature.com/articles/s41586-019-1672-7>

Lee-Six H, Treger TD, Dave M, Coorens TH, Anderson ND, Tiersma Y, Derakhshan S, de Haan S, van den Heuvel-Eibrink MM, Wang Y, Wenger A, Al-Saadi R, Lawford A, Letunovska A, Wegert J, Parks C, Morcrette G, Gessler M, Vujanic G, Chowdhury T, J O'Sullivan M, de Krijger RR, Stratton MR, Pritchard-Jones K, Hutchinson JC, Drost J, Behjati S:

High resolution clonal architecture of hypomutated Wilms tumours

Nat Commun. 2025 May 29;16(1):4647. doi: 10.1038/s41467-025-59854-4.

<https://doi.org/10.1038/s41467-025-59854-4>

Legrès LG:

New Technical Trends in Cancer Research: The Laser Microdissection Approach

Hos Pal Med Int Jnl 1(3): 00014. (2017)

<https://pdfs.semanticscholar.org/c600/a071b8b343de46199dbadb3d8a9f08ec4af3.pdf>

LeGrand J, Park ES, Wang H, Gupta S, Owens JD Jr, Nelson PJ, Dubois W, Bair T, Janz S, Mushinski JF:

Global gene expression profiling in mouse plasma cell tumor precursor and bystander cells reveals potential intervention targets for plasma-cell neoplasia

Blood. 2011 Dec 6.

<http://bloodjournal.hematologylibrary.org/cgi/lookup?view=long&pmid=22147894>

Lehmann J, Thelen M, Kreer C, Schran S, Garcia-Marquez MA, Csicic I, Siepmann K, Hagen EM, Eckel HNC, Lohneis P, Kruger S, Boeck S, Ormanns S, Rudelius M, Werner J, Popp F, Klein F, von Bergwelt-Baildon MS, Bruns CJ, Quaas A, Wennhold K, Schlößer HA:

Tertiary Lymphoid Structures in Pancreatic Cancer are Structurally Homologous, Share Gene Expression Patterns and B-cell Clones with Secondary Lymphoid Organs, but Show Increased T-cell Activation

Cancer Immunol Res. 2025 Mar 4;13(3):323-336. doi: 10.1158/2326-6066.CIR-24-0299.

<https://doi.org/10.1158/2326-6066.cir-24-0299>

Lei Y, Huang T, Su M, Luo J, Korteweg C, Li J, Chen Z, Qiu Y, Liu X, Yan M, Wang Y, Gu J:

Expression and distribution of immunoglobulin G in the normal liver, hepatocarcinoma and postpartial hepatectomy liver

Lab Invest. 2014 Sep 29. doi: 10.1038/labinvest.2014.114

<http://dx.doi.org/10.1038/labinvest.2014.114>

Leone, F., Cavalloni, G., Pignochino, Y., Sarotto, I., Ferraris, R., Piacibello, W., Venesio, T., Capussotti, L., Risio, M., and Aglietta, M.:

Somatic mutations of epidermal growth factor receptor in bile duct and gallbladder carcinoma

Clin Cancer Res 12(6): 1680-1685 (2006)

<http://clincancerres.aacrjournals.org/content/12/6/1680.long>

Letellier E, Schmitz M, Baig K, Beaume N, Schwartz C, Frasquilho S, Antunes L, Marcon N, Nazarov PV, Vallar L, Even J, Haan S:

Identification of SOCS2 and SOCS6 as biomarkers in human colorectal cancer

Br J Cancer. 2014 Jul 15. doi: 10.1038/bjc.2014.377.

<http://dx.doi.org/10.1038/bjc.2014.377>

Li D, Xu ZP, Liu JM, Pu XY, Luo YX, Zheng XG:

Restriction landmark genomic scanning for screening aberrant CpG methylations in prostate cancer

Nan Fang Yi Ke Da Xue Xue Bao. 2016 Jan 20;36(1):103-8. (Article in Chinese)

<http://www.ncbi.nlm.nih.gov/pubmed/26806748>

Li G, Li M, Liang X, Xiao, Z, Zhang P, Shao M, Peng F, Chen Y, Li Y, Chen Z:

Identifying DCN and HSPD1 as Potential Biomarkers in Colon Cancer Using 2D-LC-MS/MS Combined with iTRAQ Technology

Journal of Cancer, 2017; 8(3): 479-489. doi: 10.7150/jca.17192

<http://jancer.org/v08p0479.pdf>

Li JN, Zhang WY, Tang Y, Li GD, Dong DD:

In situ follicular lymphoma with progressive transformation of the germinal centers confirmed by laser capture microdissection, IGH gene rearrangement analysis, and fluorescence in situ hybridization for t(14;18)

Hum Pathol. 2011 Jul 4. [Epub ahead of print]

<http://www.sciencedirect.com/science/article/pii/S0046817711001547>

Li L, Antero MF, Zhang M, Chu T, Seckin T, Ayhan A, Pisanic T, Wang TL, Cope L, Segars J, Shih IM:

Mutation and methylation profiles of ectopic and eutopic endometrial tissues

J Pathol. 2021 Dec;255(4):387-398. doi: 10.1002/path.5778.

<https://doi.org/10.1002/path.5778>

Li M, Li C, Li D, Xie Y, Shi J, Li G, Guan Y, Li M, Zhang P, Peng F, Xiao Z, Chen Z:

Periostin, a stroma-associated protein, correlates with tumor invasiveness and progression in nasopharyngeal carcinoma

Clin Exp Metastasis. 2012 Jun 17. [Epub ahead of print]

<http://dx.doi.org/10.1007/s10585-012-9465-5>

Li R, Du Y, Chen Z, Xu D, Lin T, Jin S, Wang G, Liu Z, Lu M, Chen X, Xu T, Bai F:

Macroscopic somatic clonal expansion in morphologically normal human urothelium

Science. 2020 Oct 2;370(6512):82-89. doi: 10.1126/science.aba7300.

<https://science.sciencemag.org/content/370/6512/82.abstract>

Li R, Ferdinand JR, Loudon KW, Bowyer GS, Laidlaw S, Muyas F, Mamanova L, Neves JB, Bolt L, Fasouli ES, Lawson ARJ, Young MD, Hooks Y, Oliver TRW, Butler TM, Armitage JN, Aho T, Riddick ACP, Gnanapragasam V, Welsh SJ, Meyer KB, Warren AY, Tran MGB, Stewart GD, Cortés-Ciriano I, Behjati S, Clatworthy MR, Campbell PJ, Teichmann SA, Mitchell TJ:

Mapping single-cell transcriptomes in the intra-tumoral and associated territories of kidney cancer

Cancer Cell. 2022 Nov 16:S1535-6108(22)00548-7. doi: 10.1016/j.ccell.2022.11.001.

<https://doi.org/10.1016/j.ccell.2022.11.001>

Li S, Park H, Trempus CS, Gordon D, Liu Y, Cotsarelis G, Morris RJ:

A keratin 15 containing stem cell population from the hair follicle contributes to squamous papilloma development in the mouse

Mol Carcinogenesis, 2013, DOI: 10.1002/mc.21896

<http://onlinelibrary.wiley.com/doi/10.1002/mc.21896/abstract>

Li X, Yu X, Bi J, Jiang X, Zhang L, Li Z, Shao M:

Integrating single-cell and spatial transcriptomes reveals COL4A1/2 facilitates the spatial organisation of stromal cells differentiation in breast phyllodes tumours

Clin. Transl. Med. 2024;14:e1611

<https://doi.org/10.1002/ctm2.1611>

Li Y, Wang P, Ye D, Bai X, Zeng X, Zhao Q, Zhang Z:

IGHG1 induces EMT in gastric cancer cells by regulating TGF- β /SMAD3 signaling pathway

Journal of Cancer 2021, Vol. 12; 12(12): 3458-3467. doi: 10.7150/jca.56056

<https://www.jcancer.org/v12p3458.pdf>

Li, Y., Wang, J., Zhu, G., Zhang, X., Zhai, H., Zhang, W., Wang, W., and Huang, G.:

Detection of parvovirus B19 nucleic acids and expression of viral VP1/VP2 antigen in human colon carcinoma

Am J Gastroenterol 102(7): 1489-1498 (2007)

<http://www.nature.com/ajg/journal/v102/n7/full/ajg2007292a.html>

Li YQ, Chandran BK, Lim CT, and Chen X:

Rational Design of Materials Interface for Efficient Capture of Circulating Tumor Cells

Advanced Science. 16. Jul 2015, doi: 10.1002/advs.201500118

<http://onlinelibrary.wiley.com/doi/10.1002/advs.201500118/abstract>

Ligon JA, Choi W, Cojocaru G, Fu W, Hsiue EH, Oke TF, Siegel N, Fong MH, Ladle B, Pratilas CA, Morris CD, Levin A, Rhee DS, Meyer CF, Tam AJ, Blosser R, Thompson ED, Suru A, McConkey D, Housseau F, Anders R, Pardoll DM, Llosa N:

Pathways of immune exclusion in metastatic osteosarcoma are associated with inferior patient outcomes.

J Immunother Cancer. 2021 May;9(5):e001772. doi: 10.1136/jitc-2020-001772.

<https://jitc.bmj.com/content/9/5/e001772>

Lin CS, Wang LS, Chou TY, Hsu WH, Lin HC, Lee SY, Lee MH, Chang SC, Wei YH :

Cigarette Smoking and hOGG1 Ser326Cys Polymorphism are Associated with 8-OHdG Accumulation on Mitochondrial DNA in Thoracic Esophageal Squamous Cell Carcinoma

Ann Surg Oncol. 2012 Sep 1.

<http://dx.doi.org/10.1245/s10434-012-2576-z>

Lin J, Peng X, Dong K, Long J, Guo X, Li H, Bai Y, Yang X, Wang D, Lu X, Mao Y, Sang X, Ji X, Zhao H, Liang H:

Genomic characterization of co-existing neoplasia and carcinoma lesions reveals distinct evolutionary paths of gallbladder cancer

Nat Commun. 2021 Aug 6;12(1):4753. doi: 10.1038/s41467-021-25012-9.

<https://www.nature.com/articles/s41467-021-25012-9>

Lin J, Song X, Liu C:

Pelvic intravascular leiomyomatosis associated with benign pulmonary metastasizing leiomyoma: clinicopathologic, clonality, and copy number variance analysis

Int J Gynecol Pathol. 2014 Mar;33(2):140-5. doi: 10.1097/PGP.0b013e31828def26

<http://www.ncbi.nlm.nih.gov/pubmed/24487468>

Lin XY, Zhang D, Zhang Y, Fan CF, Dai SD, Wang EH:

In pulmonary sclerosing hemangioma expression of β -catenin, Axin, and C-myc differs between the two cell types

Virchows Arch. 2012 May 22

<http://dx.doi.org/10.1007/s00428-012-1247-6>

Ling H, Pickard K, Ivan C, Isella C, Ikuo M, Mitter R, Spizzo R, Bullock MD, Braicu C, Pileczki V, Vincent K, Pichler M, Stiegelbauer V, Hoefler G, Almeida MI, Hsiao A, Zhang X, Primrose JN, Packham GK, Liu K, Bojja K, Gafà R, Xiao L, Rossi S, Song JH, Vannini I, Fanini F, Kopetz S, Zweidler-McKay P, Wang X, Ionescu C, Irimie A, Fabbri M, Lanza G, Hamilton SR, Berindan-Neagoe I, Medico E, Mirnezami AH, Calin GA, Nicoloso MS:

The clinical and biological significance of MIR-224 expression in colorectal cancer metastasis

Gut. 2015 Mar 24. pii: gutjnl-2015-309372. doi: 10.1136/gutjnl-2015-309372.

<http://gut.bmj.com/cgi/lookup?view=long&pmid=25804630>

Liu PF, Cao YW, Jiang HP, Wang YH, Yang XC, Wang XS, Niu HT:

Heterogeneity research in muscle-invasive bladder cancer based on differential protein expression analysis

Med Oncol. 2014 Sep;31(9):21. doi: 10.1007/s12032-014-0021-9.

<http://link.springer.com/article/10.1007/s12032-014-0021-9>

Liu PW, Lin Y, Chen XY :

The expression of B-cell-specific Moloney murine leukemia virus integration site 1 mRNA and protein in gastric cancer

J Dig Dis. 2014 Jan 6. doi: 10.1111/1751-2980.12129.

<http://www.ncbi.nlm.nih.gov/pubmed/24393364>

Liu T, Ma Q, Zhang Y, Wang X, Xu K, Yan K, Dong W, Fan Q, Zhang Y, Qiu X:

Self-seeding circulating tumor cells promote the proliferation and metastasis of human osteosarcoma by upregulating interleukin-8

Cell Death Dis. 2019 Jul 31;10(8):575. doi: 10.1038/s41419-019-1795-7.

<http://dx.doi.org/10.1038/s41419-019-1795-7>

Liu WB, Ao L, Cui ZH, Zhou ZY, Zhou YH, Yuan XY, Xiang YL, Cao J, Liu JY:

Molecular analysis of DNA repair gene methylation and protein expression during chemical-induced rat lung carcinogenesis

Biochem Biophys Res Commun. 2011 Apr 21.

<http://dx.doi.org/10.1016/j.bbrc.2011.04.067>

Liu YF, Chen YH, Li MY, Zhang PF, Peng F, Li GQ, Xiao ZQ, Chen ZC:
Quantitative proteomic analysis identifying three annexins as lymph node metastasis-related proteins in lung adenocarcinoma

Med Oncol. 2010 Dec 4. [Epub ahead of print]

<http://www.springerlink.com/content/1h53134871563152/>

Liu, Y.Y., Leboeuf, C., Shi, J.Y., Li, J.M., Wang, L., Shen, Y., Garcia, J.F., Shen, Z.X., Chen, Z., Janin, A., Chen, S.J., and Zhao, W.L.:

Rituximab plus CHOP (R-CHOP) overcomes PRDM1-associated resistance to chemotherapy in patients with diffuse large B-cell lymphoma

Blood 110(1): 339-344 (2007)

<http://bloodjournal.hematologylibrary.org/content/110/1/339.long>

Lin Y, Jiang X, Shen Y, Li M, Ma H, Xing M, Lu Y:

Frequent mutations and amplifications of the PIK3CA gene in pituitary tumors

Endocr Relat Cancer 16(1):301-10 (2009)

<http://erc.endocrinology-journals.org/cgi/content/abstract/16/1/301>

Liu D, Xu X, Wen J, Xie L, Zhang J, Shen Y, Jiang G, Chen J, Fan M:

Integrated Genome-wide Analysis of Gene Expression and DNA Copy Number Variations Highlights Stem Cell Related Pathways in Small Cell Esophageal Carcinoma

<http://downloads.hindawi.com/journals/sci/aip/3481783.pdf>

Liu H, Gao J, Feng M, Cheng J, Tang Y, Cao Q, Zhao Z, Meng Z, Zhang J, Zhang G, Zhang C, Zhao M, Yan Y, Wang Y, Xue R, Zhang N, Li H:

Integrative molecular and spatial analysis reveals evolutionary dynamics and tumor-immune interplay of in situ and invasive acral melanoma

Cancer Cell. 2024 May 9:S1535-6108(24)00136-3. doi: 10.1016/j.ccell.2024.04.012.

<https://doi.org/10.1016/j.ccell.2024.04.012>

Liu WB, Ao L, Zhou ZY, Cui ZH, Zhou YH, Yuan XY, Xiang YL, Cao J, Liu JY:

CpG island hypermethylation of multiple tumor suppressor genes associated with loss of their protein expression during rat lung carcinogenesis induced by 3-methylcholanthrene and diethylnitrosamine

Biochem Biophys Res Commun. 2010 Nov 19;402(3):507-14

<http://dx.doi.org/10.1016/j.bbrc.2010.10.061>

Llosa NJ:

Interrogating the Tumor Microenvironment by Deep Tissue Immunoprofiling

Methods in Molecular Biology, 2022 Jan 01; (MIMB, volume 2435)

https://link.springer.com/protocol/10.1007/978-1-0716-2014-4_10

Llosa NJ, Cruise M, Tam A, Wick EC, Hechenbleikner EM, Taube JM, Blosser L, Fan H, Wang H, Luber B, Zhang M, Papadopoulos N, Kinzler KW, Vogelstein B, Sears CL, Anders RA, Pardoll DM, Housseau F:

The vigorous immune microenvironment of microsatellite instable colon cancer is balanced by multiple counter-inhibitory checkpoints

Cancer Discov. 2014 Oct 30. pii: CD-14-0863.

<http://cancerdiscovery.aacrjournals.org/cgi/pmidlookup?view=long&pmid=25358689>

Locatelli-Sanchez M, Couraud S, Arpin D, Riou R, Bringuier PP, Souquet PJ :

Routine EGFR Molecular Analysis in Non-Small-Cell Lung Cancer Patients is Feasible: Exons 18-21 Sequencing Results of 753 Patients and Subsequent Clinical Outcomes

Lung. 2013 Jun 9.

<http://dx.doi.org/10.1007/s00408-013-9482-4>

Lomakin A, Svedlund J, Strell C, Gataric M, Shmatko A, Rukhovich G, Park JS, Ju YS, Dentre S, Kleshchevnikov V, Vaskivskiy V, Li T, Bayraktar OA, Pinder S, Richardson AL, Santagata S, Campbell PJ, Russnes H, Gerstung M, Nilsson M, Yates LR:

Spatial genomics maps the structure, nature and evolution of cancer clones

Nature. 2022 Nov 9. doi: 10.1038/s41586-022-05425-2.

<https://www.nature.com/articles/s41586-022-05425-2>

Longuespée R, Alberts D, Baiwir D, Mazzucchelli G, Smargiasso N, De Pauw E:

MALDI Imaging Combined with Laser Microdissection-Based Microproteomics for Protein Identification: Application to Intratumor Heterogeneity Studies

Methods Mol Biol. 2017 Dec 10. doi: 10.1007/7651_2017_114.

https://link.springer.com/protocol/10.1007/7651_2017_114

Longuespée R, Baiwir D, Mazzucchelli G, Smargiasso N, De Pauw E:

Laser Microdissection-Based Microproteomics of Formalin-Fixed and Paraffin-Embedded (FFPE) Tissues

Methods Mol Biol. 2018;1723:19-31. doi: 10.1007/978-1-4939-7558-7_2.

https://link.springer.com/protocol/10.1007/978-1-4939-7558-7_2

Longuespée R, Casadonte R, Kriegsmann M, Pottier C, de Muller GP, Delvenne P, Kriegsmann J, De Pauw E:

MALDI mass spectrometry imaging: A cutting-edge tool for fundamental and clinical histopathology

Proteomics Clin Appl. 2016 May 17. doi: 10.1002/prca.201500140.

<http://dx.doi.org/10.1002/prca.201500140>

Lou X, Shi Y, Zhao F, Xu X, Wang Y, Qin Y, Zhang W, Ye Z, Wang F, Ding T, Jing D, Fan G, Zhang Y, Chen X, Chen J, Yu X, Xu J, Ji S:

Pancreatic Neuroendocrine Tumors Secrete Apolipoprotein E to Induce Tip Endothelial Cells That Remodel the Tumor-Stroma Ratio and Promote Cancer Progression

Cancer Res. 2025 Jul 7:OF1-OF15. doi: 10.1158/0008-5472.CAN-24-2528.

<https://doi.org/10.1158/0008-5472.can-24-2528>

Lozada JR, Geyer FC, Selenica P, Brown D, Alemar B, Merghoub T, Berger MF, Busam KJ, Halpern AC, Weigelt B, Reis-Filho JS, Hollmann TJ:

Massively Parallel Sequencing Analysis of Benign Melanocytic Nevi

Histopathology. 2019 Feb 21. doi: 10.1111/his.13843.

<https://onlinelibrary.wiley.com/doi/pdf/10.1111/his.13843>

Ludwig ML, Moline D, Horrmann A, Boytim E, Larson G, Arafa AT, Sayeda M, Lozada JR, Bergom HE, Day A, Dasaraju S, Dehm SM, Murugan P, Hwang J, Drake JM, Antonarakis ES:

Integrated multi-omics assessment of lineage plasticity in a prostate cancer patient with brain and dural metastases

NPJ Precis Oncol. 2024 Sep 30;8(1):215. doi: 10.1038/s41698-024-00713-8.

<https://doi.org/10.1038/s41698-024-00713-8>

Luo CH, Liu QQ, Zhang PF, Li MY, Chen ZC, Liu YF:

Prognostic significance of annexin II expression in non-small cell lung cancer

Clin Transl Oncol. 2013 Mar 26.

<http://link.springer.com/article/10.1007/s12094-013-1028-y>

Luo Z, Zhang L, Li Z, Li X, Li G, Yu H, Jiang C, Dai Y, Guo X, Xiang J, Li G

An in silico analysis of dynamic changes in microRNA expression profiles in stepwise development of nasopharyngeal carcinoma

BMC Med Genomics. 2012 Jan 19;5(1):3.

<http://www.biomedcentral.com/1755-8794/5/3>

Ma L, Tian X, Guo H, Zhang Z, Du C, Wang F, Xie X, Gao H, Zhuang Y, Kornmann M, Gao H, Yang Y: Long noncoding RNA H19 derived miR-675 regulates cell proliferation by down-regulating E2F-1 in human pancreatic ductal adenocarcinoma

Journal of Cancer, 2018; 9(2): 389-399. doi: 10.7150/jca.21347

<http://www.jcancer.org/v09p0389.pdf>

Ma L, Tian X, Wang F, Zhang Z, Du C, Xie X, Kornmann M, Yang Y:

The long noncoding RNA H19 promotes cell proliferation via E2F-1 in pancreatic ductal adenocarcinoma

Cancer Biol Ther. 2016 Aug 29:1-11.

<http://www.tandfonline.com/doi/full/10.1080/15384047.2016.1219814>

Ma W, Zhou T, Song M, Liu J, Chen G, Zhan J, Ji L, Luo F, Gao X, Li P, Xia X, Huang Y, Zhang L:

Genomic and transcriptomic profiling of combined small-cell lung cancer through microdissection: unveiling the transformational pathway of mixed subtype

J Transl Med. 2024 Feb 21;22(1):189. doi: 10.1186/s12967-024-04968-4.

<https://doi.org/10.1186/s12967-024-04968-4>

Maag NG:

Analyse der molekularen Heterogenität solider Tumoren unter Verwendung der Lasermikrodissektion am Beispiel des kolorektalen Karzinoms

Thesis, 2022 (German language)

<https://oparu.uni-ulm.de/xmlui/handle/123456789/51173>

Maeda S1, Morikawa T, Takadate T, Suzuki T, Minowa T, Hanagata N, Onogawa T, Motoi F, Nishimura T, Unno M:

Mass spectrometry-based proteomic analysis of formalin-fixed paraffin-embedded extrahepatic cholangiocarcinoma

J Hepatobiliary Pancreat Sci. 2015 Apr 27. doi: 10.1002/jhbp.262.

<http://dx.doi.org/10.1002/jhbp.262>

Maeshima Y, Kataoka TR, Vandenbon A, Hirata M, Takeuchi Y, Suzuki Y, Fukui Y, Kawashima M, Takada M, Ibi Y, Haga H, Morita S, Toi M, Kawaoka S, Kawaguchi K:

Intra-patient spatial comparison of non-metastatic and metastatic lymph nodes reveals a reduction in CD169+ macrophages within metastatic breast cancers

EBioMedicine. 2024 Aug 21;107:105271. doi: 10.1016/j.ebiom.2024.105271

<https://doi.org/10.1016/j.ebiom.2024.105271>

Makhmut A, Dragomir MP, Fritzsche S, Moebs M, Schmitt WD, Taube ET, and Coscia F:

Deep spatial proteomics of ovarian cancer precursor lesions delineates early disease changes and cell-of-origin signatures

bioRxiv, 19 Mar 2025

<https://doi.org/10.1101/2025.03.19.643504>

Makita K, Kitazawa R, Semba S, Fujiishi K, Nakagawa M, Haraguchi R, Kitazawa S:

Cdx2 expression and its promoter methylation during metaplasia-dysplasia-carcinoma sequence in Barrett's esophagus

World J Gastroenterol. 2013 Jan 28;19(4):536-41. doi: 10.3748/wjg.v19.i4.536.

<http://www.wjgnet.com/1007-9327/full/v19/i4/536.htm>

Makohon-Moore AP, Matsukuma K, Zhang M, Reiter JG, Gerold JM, Jiao Y, Sikkema L, Attiyeh MA, Yachida S, Sandone C, Hruban RH, Klimstra DS, Papadopoulos N, Nowak MA, Kinzler KW, Vogelstein B, Iacobuzio-Donahue CA:

Precancerous neoplastic cells can move through the pancreatic ductal system

Nature. 2018 Sep;561(7722):201-205. doi: 10.1038/s41586-018-0481-8

<http://dx.doi.org/10.1038/s41586-018-0481-8>

Marino G, Gaitanos T, Tebbe A, Nagaraj N:

Visual proteomics of subregions in colorectal cancer FFPE samples

Poster P41, 55th Annual Conference of the DGMS, March 10-13, 2024

https://dgms2024.de/fileadmin/media/dgms/2024/docs/Abstractbooklet_DGMS_2024_final_1103.pdf

Martins-Filho SN, Alves VAF, Wakamatsu A, Maeda M, Craig AJ, Assato AK, Villacorta-Martin C, D'Avola D, Labgaa I, Carrilho FJ, Thung SN, Villanueva A:

A phenotypic map of disseminated hepatocellular carcinoma suggests clonal constraints in metastatic sites

Histopathology. 2019 Jan 12. doi: 10.1111/his.13809.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/his.13809>

Massihnia D, Avan A, Funel N, Maftouh M, van Krieken A, Granchi C, Raktue R, Boggi U, Aicher B, Minutolo F, Russo A, Leon LG, Peters GJ, Giovannetti E:

Phospho-Akt overexpression is prognostic and can be used to tailor the synergistic interaction of Akt inhibitors with gemcitabine in pancreatic cancer

J Hematol Oncol. 2017 Jan 6;10(1):9. doi: 10.1186/s13045-016-0371-1

<https://jhoonline.biomedcentral.com/articles/10.1186/s13045-016-0371-1>

Massimino, M.; Martorana, F.; Stella, S.; Vitale, S.R.; Tomarchio, C.; Manzella, L.; Vigneri, P.:

Single-Cell Analysis in the OMICS Era: Technologies and Applications in Cancer

Genes 2023, 14, 1330.

<https://doi.org/10.3390/genes14071330>

Masuda K, Urabe Y, Ito M, Ono A, Clair Nelson H, Nakamura K, Kotachi T, Boda T, Tanaka S, Chayama K

Genomic landscape of epithelium with low-grade atypia on gastric cancer after *Helicobacter pylori* eradication therapy

J Gastroenterol. 2019 Jun 13. doi: 10.1007/s00535-019-01596-4.

<https://link.springer.com/article/10.1007/s00535-019-01596-4>

Masuda M, Iida K, Iwabuchi S, Tanaka M, Kubota S, Uematsu H, Onuma K, Kukita Y, Kato K, Kamiura S, Nakajima A, Coppo R, Kanda M, Yoshino K, Ueda Y, Morii E, Kimura T, Kondo J, Okada-Hatakeyama M, Hashimoto S, Inoue M:

Clonal origin and lineage ambiguity in mixed neuroendocrine carcinoma of the uterine cervix

Am J Pathol. 2023 Dec 14:S0002-9440(23)00458-3. doi: 10.1016/j.ajpath.2023.11.013.

<https://doi.org/10.1016/j.ajpath.2023.11.013>

Masuike Y, Tanaka K, Makino T, Yamasaki M, Miyazaki Y, Takahashi T, Kurokawa Y, Nakajima K, Mori M, Doki Y:

Esophageal squamous cell carcinoma with low mitochondrial copy number has mesenchymal and stem-like characteristics, and contributes to poor prognosis

PLoS One. 2018 Feb 15;13(2):e0193159. doi: 10.1371/journal.pone.0193159. eCollection 2018.

<http://dx.plos.org/10.1371/journal.pone.0193159>

Mateo F, Meca-Cortés O, Celià-Terrassa T, Fernández Y, Abasolo I, Sánchez-Cid L, Bermudo R, Sagasta A, Rodríguez-Carunchio L, Pons M, Cánovas V, Marín-Aguilera M, Mengual L, Alcaraz A, Schwartz S Jr, Mellado B, Aguilera KY, Brekken R, Fernández PL, Paciucci R, Thomson TM :

SPARC mediates metastatic cooperation between CSC and non-CSC prostate cancer cell subpopulations

Mol Cancer. 2014 Oct 21;13(1):237. doi: 10.1186/1476-4598-13-237.
<http://www.molecular-cancer.com/content/13/1/237>

Matsuda A, Higashi M, Nakagawa T, Yokoyama S, Kuno A, Yonezawa S, Narimatsu H:
Assessment of tumor characteristics based on glycoform analysis of membrane-tethered MUC1

Lab Invest. 2017 Jun 5. doi: 10.1038/labinvest.2017.53.
<https://www.nature.com/labinvest/journal/vaop/ncurrent/full/labinvest201753a.html>

Matsui H, Eguchi H, Okazaki Y, Hirayama Y, Nibu KI, Shinomiya H:
Comparison of Somatic Mutations in Primary Squamous Cell Carcinomas of the Hypopharynx and the Esophagus Developed in Individual Patients

Head Neck. 2025 Jun 19. doi: 10.1002/hed.28220.
<https://doi.org/10.1002/hed.28220>

Matsui S, Kagara N, Mishima C, Naoi Y, Shimoda M, Shimomura A, Shimazu K, Kim SJ, Noguchi S:
Methylation of the SEPT9_v2 promoter as a novel marker for the detection of circulating tumor DNA in breast cancer patients

Oncol Rep. 2016 Aug 4. doi: 10.3892/or.2016.5004.
<http://www.spandidos-publications.com/10.3892/or.2016.5004>

Matsumoto K, Urabe Y, Oka S, Inagaki K, Tanaka H, Yuge R, Hayashi R, Kitadai Y, Arihiro K, Shimamoto F, Tanaka S, Chayama K:

Genomic Landscape of Early-stage Colorectal Neoplasia Developing From the Ulcerative Colitis Mucosa in the Japanese Population

Inflamm Bowel Dis. 2020 Oct 22:izaa268. doi: 10.1093/ibd/izaa268.
<https://academic.oup.com/ibdjournal/advance-article-abstract/doi/10.1093/ibd/izaa268/5934978>

Matsunoki A, Kawakami K, Kotake M, Kaneko M, Kitamura H, Ooi A, Watanabe G, Minamoto T:
LINE-1 methylation shows little intra-patient heterogeneity in primary and synchronous metastatic colorectal cancer

BMC Cancer. 2012 Dec 5;12(1):574.
<http://www.biomedcentral.com/content/pdf/1471-2407-12-574.pdf>

Mattu S, Fornari F, Quagliata L, Perra A, Angioni MM, Petrelli A, Menegon S, Morandi A, Chiarugi P, Ledda-Columbano GM, Gramantieri L, Terracciano L, Giordano S, Columbano A:

The metabolic gene HAO2 is down regulated in mouse, rat and human hepatocellular carcinoma and correlates with metastasis and poor survival

Journal of Hepatology, 2015/12/14
<http://dx.doi.org/10.1016/j.jhep.2015.11.029>

Mazzanti CM, Hamad MA, Fanelli G, Scatena C, Zammarchi F, Zavaglia K, Lessi F, Pistello M, Naccarato AG, Bevilacqua G:

A Murine Mammary Tumor Virus env-Like Exogenous Sequence Is Strictly Related to Progression of Human Sporadic Breast Carcinoma

Am J Pathol. 2011 Aug 17. doi:10.1016/j.ajpath.2011.06.046
<http://www.sciencedirect.com/science/article/pii/S0002944011006961>

Mena S, Rodriguez ML, Ortega A, Priego S, Obrador E, Asensi M, Petschen I, Cerda M, Brown BD, Estrela JM:

Glutathione and Bcl-2 targeting facilitates elimination by chemoradiotherapy of human A375 melanoma xenografts overexpressing bcl-xl, bcl-2, and mcl-1

J Transl Med. 2012 Jan 10;10(1):8.
<http://www.translational-medicine.com/content/pdf/1479-5876-10-8.pdf>

Mennuni M, Wilkie SE, Michon P, Alsina D, Filograna R, Lindberg M, Sanin DE, Rosenberger F, Schaaf A, Larsson E, Pearce EL, Larsson NG:

High mitochondrial DNA levels accelerate lung adenocarcinoma progression

Sci Adv. 2024 Nov;10(44):eadp3481. doi: 10.1126/sciadv.adp3481.

<https://doi.org/10.1126/sciadv.adp3481>

Metousis A, Kenny HA, Shimizu A, Schweizer L, Ben-Moshe S, Bilecz A, Krishnan R, Zhang J, Alcazar I, Kelliher L, Ravi M, Samantaray T, Richter S, Li Y, Wang J, Steigerwald S, Theis FJ, Rosenberger FA, Nordmann TM, Yamada SD, Lastra R, Mann M, and Lengyel E:

Integration of cell-type resolved spatial proteomics and transcriptomics reveals novel mechanisms in early ovarian cancer

medRxiv, 28 Aug 2025

<https://doi.org/10.1101/2025.08.25.25333715>

Metzendorf C, Wineberger K, Rausch J, Cigiliano A, Calvisi DF, Peters, Sun B, Mennerich D, Kietzmann T, Dombrowski F, Ribback S:

Transcriptomic and Proteomic analysis of clear cell foci (CCF) in the human non-cirrhotic liver identifies several differentially expressed genes and proteins with functions in cancer cell biology and glycogen metabolism

bioRxiv, 10 Feb 2020, 10 Feb 2020

<https://www.biorxiv.org/content/10.1101/2020.02.10.941211v1.full>

Metwaly H, Maruyama S, Yamazaki M, Tsuneki M, Abé T, Jen KY, Cheng J, Saku T

Parenchymal-stromal switching for extracellular matrix production on invasion of oral squamous cell carcinoma

Hum Pathol. 2012 May 9.

[http://linkinghub.elsevier.com/retrieve/pii/S0046-8177\(12\)00063-9](http://linkinghub.elsevier.com/retrieve/pii/S0046-8177(12)00063-9)

Miguchi M, Hinoi T, Shimomura M, Adachi T, Saito Y, Niitsu H, Kochi M, Sada H, Sotomaru Y, Ikenoue T, Shigeyasu K, Tanakaya K, Kitadai Y, Sentani K, Oue N, Yasui W, Ohdan H:

Gasdermin C Is Upregulated by Inactivation of Transforming Growth Factor β Receptor Type II in the Presence of Mutated Apc, Promoting Colorectal Cancer Proliferation

PLoS One. 2016 Nov 11;11(11):e0166422. doi: 10.1371/journal.pone.0166422. eCollection 2016.

<http://dx.plos.org/10.1371/journal.pone.0166422>

Mihelich BL, Khramtsova EA, Arva N, Vaishnav A, Johnson DN, Giangreco AA, Martens-Uzunova E, Bagasra O, Kajdacsy-Balla A, Nonn L:

The miR-183-96-182 cluster is overexpressed in prostate tissue and regulates zinc homeostasis in prostate cells

J Biol Chem. 2011 Nov 1. [Epub ahead of print]

<http://www.jbc.org/content/early/2011/11/01/jbc.M111.262915.full.pdf+html>

Mikamori M, Yamada D, Eguchi H, Hasegawa S, Kishimoto T, Tomimaru Y, Asaoka T, Noda T, Wada H, Kawamoto K, Gotoh K, Takeda Y, Tanemura M, Mori M, Doki Y:

MicroRNA-155 Controls Exosome Synthesis and Promotes Gemcitabine Resistance in Pancreatic Ductal Adenocarcinoma

Sci Rep. 2017 Feb 15;7:42339. doi: 10.1038/srep42339.

<http://dx.doi.org/10.1038/srep42339>

Mimori, K., Kataoka, A., Yoshinaga, K., Ohta, M., Sagara, Y., Yoshikawa, Y., Ohno, S., Barnard, G.F., and Mori, M.:

Identification of molecular markers for metastasis-related genes in primary breast cancer cells

Clin Exp Metastasis 22(1): 59-67 (2005)

<http://www.springerlink.com/content/ju17kr07r6101603/>

Min J, Schweizer L, Zonderland G, Selvanesan BC, Oldenburg L, Bae S-W, Kim BJ, Swanson BJ, Klute KA, Caffrey TC, Grandgenett PM, Hollingsworth MA, Ummat I, Strauss MT, Mund A, Maitra A:

AI-powered Deep Visual Proteomics reveals critical molecular transitions in pancreatic cancer precursors

bioRxiv, 7 Jul 2025

<https://doi.org/10.1101/2025.07.07.663528>

Min J, Schweizer L, Zonderland G, Selvanesan BC, Oldenburg L, Hollingsworth MA, Grandgenett PM, Ummat I, Strauss MT, Mund A, Maitra A:

AI-powered deep visual proteomics (DVP) for early pancreatic cancer insights

Proceedings of the American Association for Cancer Research Annual Meeting 2025; Part 1 (Regular Abstracts); 2025 Apr 25-30; Chicago, IL. Philadelphia (PA): AACR; Cancer Res 2025;85(8_Suppl_1):Abstract nr 753.

<https://doi.org/10.1158/1538-7445.AM2025-753>

Mints M, Landin D, Näsman A, Mirzaie L, Ursu RG, Zupancic M, Marklund L, Dalianis T, Munck-Wikland E, Ramqvist T:

Tumour inflammation signature and expression of S100A12 and HLA class I improve survival in HPV-negative hypopharyngeal cancer.

Sci Rep. 2021 Jan 19;11(1):1782. doi: 10.1038/s41598-020-80226-z.

<https://www.nature.com/articles/s41598-020-80226-z>

Mirkovic J, Howitt BE, Roncarati P, Demoulin S, Suarez-Carmona M, Hubert P, McKeon FD, Xian W, Lee A, Delvenne P, Crum CP, Herfs M:

Carcinogenic HPV infection in the cervical squamo-columnar junction

J Pathol. 2015 Mar 18. doi: 10.1002/path.4533.

<http://dx.doi.org/10.1002/path.4533>

Mishima C, Kagara N, Tanei T, Naoi Y, Shimoda M, Shimomura A, Shimazu K, Kim SJ, Noguchi S:

Mutational analysis of MED12 in fibroadenomas and phyllodes tumors of the breast by means of targeted next-generation sequencing

Breast Cancer Res Treat. 2015 Jun 21.

<http://dx.doi.org/10.1007/s10549-015-3469-1>

Mitchell, D., Hunt, A. L., Conrads, K. A., Hood, B. L., Makohon-Moore, S. C., Rojas, C., Maxwell, G. L., Bateman, N. W., Conrads, T. P.:

Industrialized, Artificial Intelligence-guided Laser Microdissection for Microscaled Proteomic Analysis of the Tumor Microenvironment

J. Vis. Exp. (184), e64171, doi:10.3791/64171 (2022).

<https://www.jove.com/de/t/64171/industrialized-artificial-intelligence-guided-laser-microdissection>

Mitsushashi T, Ogasawara T, Nakayama M, Kondo R, Akiba J, Murotani K, Ono T, Sato F, Umeno H and Yano H:

Gamma-glutamyl cyclotransferase, a molecule identified from the invasive front of follicular thyroid carcinoma, is useful for differential diagnosis of follicular thyroid tumors

Pathology - Research and Practice, (2024) doi:<https://doi.org/10.1016/j.prp.2024.155678>

<https://doi.org/10.1016/j.prp.2024.155678>

Mittal P, Klingler-Hoffmann M, Arentz G, Winderbaum L, Kaur G, Anderson L, Scurry J, Leung Y, Stewart CJ, Carter J, Hoffmann P, Oehler MK:

Annexin A2 and alpha actinin 4 expression correlates with metastatic potential of primary endometrial cancer

Biochim Biophys Acta. 2016 Oct 23. pii: S1570-9639(16)30221-7. doi: 10.1016/j.bbapap.2016.10.010.

[http://linkinghub.elsevier.com/retrieve/pii/S1570-9639\(16\)30221-7](http://linkinghub.elsevier.com/retrieve/pii/S1570-9639(16)30221-7)

Miyaguchi K, Fukuoka Y, Mizushima H, Yasen M, Nemoto S, Ishikawa T, Uetake H, Tanaka S, Sugihara K, Arai S, Tanaka H:

Genome-wide integrative analysis revealed a correlation between lengths of copy number segments and corresponding gene expression profile

Bioinformation. 2011;7(6):280-4. Epub 2011 Nov 20.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3280495/pdf/97320630007280.pdf>

Miyagaki H, Yamasaki M, Miyata H, Takahashi T, Kurokawa Y, Nakajima K, Takiguchi S, Fujiwara Y, Ishii H, Tanaka F, Mori M, Doki Y:

Overexpression of PFTK1 predicts resistance to chemotherapy in patients with oesophageal squamous cell carcinoma

Br J Cancer. 2012 Feb 14. doi: 10.1038/bjc.2012.35

<http://www.nature.com/bjc/journal/vaop/ncurrent/full/bjc201235a.html>

Miyagaki H, Yamasaki M, Takahashi T, Kurokawa Y, Miyata H, Nakajima K, Takiguchi S, Fujiwara Y, Mori M, Doki Y:

DOK2 as a Marker of Poor Prognosis of Patients with Gastric Adenocarcinoma After Curative Resection

Ann Surg Oncol. 2011 Dec 1. [Epub ahead of print]

<http://www.springerlink.com/content/d337x47663351170/>

Miyai K, Yamamoto S, Aida S, Shimazaki H, Takano M, Kudoh K, Furuya K, Tamai S, Matsubara O:

Massive intra-abdominal undifferentiated carcinoma derived from an endometrioid adenocarcinoma in a "normal-sized" ovary

Int J Gynecol Pathol. 2010 Jul;29(4):321-7.

http://journals.lww.com/intjgynpathology/Abstract/2010/07000/Massive_Intra_abdominal_Undifferentiated_Carcinoma.4.aspx

Miyai K, Yonekura Y, Ito K, Matsukuma S, Tsuda H :

Gene expression microarray analysis of adult testicular germ cell tumor: a comparison between pure-type seminomas and seminoma components in mixed tumors

Virchows Arch. 2021 Aug 4. doi: 10.1007/s00428-021-03168-5.

<https://link.springer.com/article/10.1007/s00428-021-03168-5>

Miyauchi T, Takahashi M, Mitsuzuka K, Saiki Y, Okubo T, Vertino PM, Goto A, Arai Y, Horii A, and Fukushima S:

Aberrant Hypermethylation-Mediated Suppression of PYCARD Is Extremely Frequent in Prostate Cancer with Gleason Score ≥ 7

Disease Markers, 04 Feb 2021 | Volume 2021 | Article ID 8858905

<https://doi.org/10.1155/2021/8858905>

Mohri D, Asaoka Y, Ijichi H, Miyabayashi K, Kudo Y, Seto M, Ohta M, Tada M, Tanaka Y, Ikenoue T, Tateishi K, Isayama H, Kanai F, Fukushima N, Tada M, Kawabe T, Omata M, Koike K:

Different subtypes of intraductal papillary mucinous neoplasm in the pancreas have distinct pathways to pancreatic cancer progression

J Gastroenterol. 2011 Nov 1. [Epub ahead of print]

<http://www.springerlink.com/content/w85p1I73382j550h/>

Molijn A, Jenkins D, Chen W, Zhang X, Pirog E, Enqi W, Liu B, Schmidt J, Cui J, Qiao Y, Quint W:

The complex relationship between human papillomavirus and cervical adenocarcinoma

Int J Cancer. 2015 Aug 8. doi: 10.1002/ijc.29722.

<http://dx.doi.org/10.1002/ijc.29722>

Monsur M, Yamaguchi M, Tashiro H, Yoshinobu K, Saito F, Erdenebaatar C, Li C, Iwagoi Y, Ohba T, Iyama KI, Katabuchi H

Endometrial cancer with a POLE mutation progresses frequently through the type I pathway despite its high-grade endometrioid morphology: a cohort study at a single institution in Japan

Med Mol Morphol. 2021 Jan 5. doi: 10.1007/s00795-020-00273-3.

<https://link.springer.com/article/10.1007%2Fs00795-020-00273-3>

Montero-Calle A, Garranzo-Asensio M, Poves C, Sanz R, Dziakova J, Peláez-García A, de Los Ríos V, Martínez-Useros J, Fernández-Aceñero MJ, Barderas R:

In-Depth Proteomic Analysis of Paraffin-Embedded Tissue Samples from Colorectal Cancer Patients Revealed TXNDC17 and SLC8A1 as Key Proteins Associated with the Disease

J Proteome Res. 2024 Oct 23. doi: 10.1021/acs.jproteome.3c00749.

<https://doi.org/10.1021/acs.jproteome.3c00749>

Mori, M., Mimori, K., Yoshikawa, Y., Shibuta, K., Utsunomiya, T., Sadanaga, N., Tanaka, F., Matsuyama, A., Inoue, H., and Sugimachi, K.:

Analysis of the gene-expression profile regarding the progression of human gastric carcinoma

Surgery 131(1 Suppl): S39-47 (2002)

<http://www.surgjournal.com/article/S0039-6060%2802%2970084-6/abstract>

Mori D, Miyagawa S, Kawamura T, Yoshioka D, Hata H, Ueno T, Toda K, Kuratani T, Oota M, Kawai K, Kurata H, Nishida H, Harada A, Toyofuku T, and Sawa Y:

Mitochondrial Transfer through Pericardium Contributes to Functional Recovery in Ischemic Cardiomyopathy

ResearchSquare.com, 2020, DOI: <https://doi.org/10.21203/rs.3.rs-107042/v1>

<https://www.researchsquare.com/article/rs-107042/latest.pdf>

Moriyama M, Kanda T, Midorikawa Y, Matsumura H, Masuzaki R, Nakamura H, Ogawa M, Matsuoka S, Shibata T, Yamazaki M, Kuroda K, Nakayama H, Higaki T, Kanemaru K, Miki T, Sugitani M, Takayama T: The proliferation of atypical hepatocytes and CDT1 expression in noncancerous tissue are associated with the postoperative recurrence of hepatocellular carcinoma.

Sci Rep. 2022 Nov 28;12(1):20508. doi: 10.1038/s41598-022-25201-6.

<https://www.nature.com/articles/s41598-022-25201-6>

Mozos A, Catasús L, D'Angelo E, Serrano E, Espinosa I, Ferrer I, Ponsa C, Prat J:

The FOXO1-miR27 Tandem Regulates Myometrial Invasion in Endometrioid Endometrial Adenocarcinoma

Human Pathology, 2014 Jan 8

<http://www.sciencedirect.com/science/article/pii/S0046817714000069>

Mucanj V, Lee SS, Skuli N, Giannoukos DN, Qiu B, Eisinger-Mathason TS, Nakazawa MS, Shay JE, Gopal PP, Venneti S, Lal P, Minn AJ, Simon MC, Mathew LK:

MicroRNA-124 expression counteracts pro-survival stress responses in glioblastoma

Oncogene. 2014 Jun 23. doi: 10.1038/onc.2014.168.

<http://dx.doi.org/10.1038/onc.2014.168>

Mueller, A., O'Rourke, J., Grimm, J., Guillemin, K., Dixon, M.F., Lee, A., and Falkow, S.:

Distinct gene expression profiles characterize the histopathological stages of disease in Helicobacter-induced mucosa-associated lymphoid tissue lymphoma

Proc Natl Acad Sci U S A 100(3): 1292-1297 (2003)

<http://www.pnas.org/content/100/3/1292.long>

Müller JN, Falk M, Talwar J, Neemann N, Mariotti E, Bertrand M, Zacherle T, Lakis S, Menon R, Gloeckner C, Tiemann M, Heukamp LC, Thomas RK, Griesinger F, Heuckmann JM:

Concordance between comprehensive cancer genome profiling in plasma and tumor specimens

J Thorac Oncol. 2017 Jul 24. pii: S1556-0864(17)30611-1. doi: 10.1016/j.jtho.2017.07.014.
<http://www.sciencedirect.com/science/article/pii/S1556086417306111#!>

Mukherjee S, Rodriguez-Canales J, Hanson J, Emmert-Buck MR, Tangrea MA, Prieto DA, Blonder J, Johann DJ Jr:

Proteomic analysis of frozen tissue samples using laser capture microdissection

Methods Mol Biol. 2013;1002:71-83. doi: 10.1007/978-1-62703-360-2_6
http://dx.doi.org/10.1007/978-1-62703-360-2_6

Muller, A., Giuffre, G., Edmonston, T.B., Mathiak, M., Roggendorf, B., Heinmoller, E., Brodegger, T., Tuccari, G., Mangold, E., Buettner, R., and Ruschoff, J.:

Challenges and pitfalls in HNPCC screening by microsatellite analysis and immunohistochemistry

J Mol Diagn 6(4): 308-315 (2004)
<http://www.journals.elsevierhealth.com/periodicals/jmdi/article/S1525-1578%2810%2960526-0/abstract>

Mund A, Coscia F, Hollandi R, Kovacs F, Kriston A, Brunner A-D, Bzorek M, Naimy S, Rahbeck Gjerdtum LM, Dyring-Andersen B, Bulkescher JM, Lukas C, Gnann C, Lundberg E, Horvath P, Mann M:

AI-driven Deep Visual Proteomics defines cell identity and heterogeneity

bioRxiv, 27 Jan 2021, doi: doi: <https://doi.org/10.1101/2021.01.25.427969>
<https://www.biorxiv.org/content/10.1101/2021.01.25.427969v1>

Mund A, Coscia F, Kriston A, Hollandi R, Kovacs F, Brunner A-D, Migh E, Schweizer L, Santos A, Bzorek M, Naimy S, Rahbeck Gjerdtum LM, Dyring-Andersen B, Bulkescher JM, Lukas C, Gnann C, Lundberg E, Horvath P, Mann M:

Deep Visual Proteomics defines single-cell identity and heterogeneity

Nat Biotechnol (2022). <https://doi.org/10.1038/s41587-022-01302-5>
<https://www.nature.com/articles/s41587-022-01302-5>

Mund A, Coscia F, Kriston A, Hollandi R, Kovacs F, Brunner A-D, Migh E, Schweizer L, Santos A, Bzorek M, Naimy S, Rahbeck Gjerdtum LM, Dyring-Andersen B, Bulkescher JM, Lukas C, Gnann C, Lundberg E, Horvath P, Mann M:

Neue Methode revolutioniert Krebsdiagnose: Wegweisende Technologie "Deep Visual Proteomics" vereint vier Technologien

Analytica-World, 23.05.2022 - Max-Planck-Institut für Biochemie (German language)
https://www.analytica-world.com/de/news/1176189/neue-methode-revolutioniert-krebsdiagnose.html?utm_source=newsletter&utm_medium=email&utm_campaign=awportalde

Murakami K, Kanto A, Sakai K, Miyagawa C, Takaya H, Nakai H, Kotani Y, Nishio K, Matsumura N:

Frequent PIK3CA mutations in eutopic endometrium of patients with ovarian clear cell carcinoma

bioRxiv, Mar 2021, doi: <https://doi.org/10.1101/2021.02.25.432943>
<https://www.biorxiv.org/content/biorxiv/early/2021/02/25/2021.02.25.432943.full.pdf>

Nagahama J, Daa T, Yada N, Kashima K, Fujiwara S, Saikawa T, Yokoyama S:

Tyrosine kinase receptor RON and its ligand MSP in Merkel cell carcinoma

Pathol Res Pract. 2011 Jun 29. [Epub ahead of print]
<http://www.sciencedirect.com/science/article/pii/S0344033811001208>

Nagahara, H., Mimori, K., Ohta, M., Utsunomiya, T., Inoue, H., Barnard, G.F., Ohira, M., Hirakawa, K., and Mori, M.:

Somatic mutations of epidermal growth factor receptor in colorectal carcinoma

Clin Cancer Res 11(4): 1368-1371 (2005)
<http://clincancerres.aacrjournals.org/content/11/4/1368.long>

Nagai K, Nakahata S, Shimosaki S, Tamura T, Kondo Y, Baba T, Taki T, Taniwaki M, Kurosawa G, Sudo Y, Okada S, Sakoda S, Morishita K:

Development of a complete human anti-human transferrin receptor C antibody as a novel marker of oral dysplasia and oral cancer

Cancer Med. 2014 Jun 2. doi: 10.1002/cam4.267.

<http://onlinelibrary.wiley.com/doi/10.1002/cam4.267/pdf>

Naimy S, Sølberg JBK, Kuczek DE, Løvendorf MB, Bzorek M, Litman T, Mund A, Rahbek Gjerdrum LM, Clark RA, Mann M, Dyring-Andersen B:

Comparative quantitative proteomic analysis of melanoma subtypes, nevus-associated melanoma, and corresponding nevi

J Invest Dermatol. 2024 Jan 5:S0022-202X(23)03211-6. doi: 10.1016/j.jid.2023.12.011.

<https://doi.org/10.1016/j.jid.2023.12.011>

Nakamura H, Fujii K, Gupta V, Hata H, Koizumu H, Hoshikawa M, Naruki S, Miyata Y, Takahashi I, Miyazawa T, Sakai H, Tsumoto K, Takagi M, Saji H, Nishimura T:

Identification of key modules and hub genes for small-cell lung carcinoma and large-cell neuroendocrine lung carcinoma by weighted gene co-expression network analysis of clinical tissue-proteomes

PLoS One. 2019 Jun 5;14(6):e0217105. doi: 10.1371/journal.pone.0217105. eCollection 2019.

<http://dx.plos.org/10.1371/journal.pone.0217105>

Nakamura K, Nakayama K, Ishibashi T, Ishikawa N, Ishikawa M, Katagiri H, Minamoto T, Sato E, Sanuki K, Yamashita H, Iida K, Sultana R, Kyo S:

KRAS/BRAF Analysis in Ovarian Low-Grade Serous Carcinoma Having Synchronous All Pathological Precursor Regions

Int J Mol Sci. 2016 Apr 26;17(5). pii: E625. doi: 10.3390/ijms17050625.

<http://www.mdpi.com/resolver?pii=ijms17050625>

Nakayama M, Pyo Hong C, Oshima H, Sakai E, Kim S-J, Oshima M:

Loss of wild-type p53 promotes mutant p53-driven metastasis through acquisition of survival and tumor-initiating properties

Nat Commun. 2020 May 11;11(1):2333. doi: 10.1038/s41467-020-16245-1.

<https://www.nature.com/articles/s41467-020-16245-1>

Nakayama M, Sakai E, Echizen K, Yamada Y, Oshima H, Han TS, Ohki R, Fujii S, Ochiai A, Robine S, Voon DC, Tanaka T, Taketo MM, Oshima M:

Intestinal cancer progression by mutant p53 through the acquisition of invasiveness associated with complex glandular formation.

Oncogene. 2017 Jun 19. doi: 10.1038/onc.2017.194.

<https://www.nature.com/onc/journal/vaop/ncurrent/full/onc2017194a.html>

Nakayama T, Ling ZQ, Mukaisho K, Hattori T, Sugihara H:

Lineage analysis of early and advanced tubular adenocarcinomas of the stomach: continuous or discontinuous?

BMC Cancer. 2010 Jun 21;10:311

<http://www.biomedcentral.com/1471-2407/10/311/>

Nakazato, K., Mogushi, K., Kayamori, K., Tsuchiya, M., Takahashi, K., Sumino, J., Michi, Y., Yoda, T., Uzawa, N:

Glucose metabolism changes during the development and progression of oral tongue squamous cell carcinomas

Oncology Letters (2019): <https://doi.org/10.3892/ol.2019.10420>

<https://www.spandidos-publications.com/10.3892/ol.2019.10420>

Narikiyo M, Yano M, Kamada K, Katoh T, Ito K, Shuto M, Kayano H, Yasuda M

Molecular association of functioning stroma with carcinoma cells in the ovary: A preliminary study

Oncol Lett. 2019 Mar;17(3):3562-3568. doi: 10.3892/ol.2019.9992.
<https://www.spandidos-publications.com/10.3892/ol.2019.9992>

Negishi, A., Masuda, M., Ono, M., Honda, K., Shitashige, M., Satow, R., Sakuma, T., Kuwabara, H., Nakanishi, Y., Kanai, Y., Omura, K., Hirohashi, S., Yamada, T.

Quantitative proteomics using formalin-fixed paraffin-embedded tissues of oral squamous cell carcinoma

Cancer Sci 100(9):1605-1611 (2009)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1349-7006.2009.01227.x/full>

Neidler S, Kruspi B, Hewit K, Monteverde T, Gyuraszova K, Braun A, Clark W, James D, Hedley A, Nieswandt B, Shanks E, Dick C, Murphy DJ:

Identification of a Clinically Relevant Signature for Early Progression in KRAS-Driven Lung Adenocarcinoma

Molecular Profiling in Lung Cancer, 2019, 2019030286 (doi: 10.20944/preprints201903.0286.v1)

<https://www.preprints.org/manuscript/201903.0286/v1>

Nezu Y, Hagiwara K, Yamamoto Y, Fujiwara T, Matsuo K, Yoshida A, Kawai A, Saito T, Ochiya T:
miR-135b, a key regulator of malignancy, is linked to poor prognosis in human myxoid liposarcoma

Oncogene. 2016 May 9. doi: 10.1038/onc.2016.157.

<http://dx.doi.org/10.1038/onc.2016.157>

Nguyen TT, Hachisuga T, Urabe R, Kurita T, Kagami S, Kawagoe T, Shimajiri S, Nabeshima K:
Significance of p53 expression in background endometrium in endometrial carcinoma
Virchows Arch. 2015 Mar 19.

<http://dx.doi.org/10.1007/s00428-015-1752-5>

Nishida, K., Mine, S., Utsunomiya, T., Inoue, H., Okamoto, M., Udagawa, H., Hanai, T., and Mori, M.:

Global analysis of altered gene expressions during the process of esophageal squamous cell carcinogenesis in the rat: a study combined with a laser microdissection and a cDNA microarray

Cancer Res 65(2): 401-409 (2005)

<http://cancerres.aacrjournals.org/content/65/2/401.long>

Nishida N, Nagahara M, Sato T, Mimori K, Sudo T, Tanaka F, Shibata K, Ishii H, Sugihara K, Doki Y, Mori M:

Microarray analysis of colorectal cancer stromal tissue reveals upregulation of two oncogenic microRNA clusters.

Clin Cancer Res. 2012 Mar 27. [Epub ahead of print]

<http://clincancerres.aacrjournals.org/content/early/2012/03/26/1078-0432.CCR-11-1078.abstract>

Nishimura M, Hayashi M, Mizutani Y, Takenaka K, Imamura Y, Chayahara N, Toyoda M, Kiyota N, Mukohara T, Aikawa H, Fujiwara Y, Hamada A, Minami H:

Distribution of erlotinib in rash and normal skin in cancer patients receiving erlotinib visualized by matrix assisted laser desorption/ionization mass spectrometry imaging

Oncotarget. 2018 Apr 6;9(26):18540-18547. doi: 10.18632/oncotarget.24928. eCollection 2018 Apr 6.

<http://www.impactjournals.com/oncotarget/misc/linkedout.php?pii=24928>

Nishimura T, Kakiuchi N, Yoshida K, Sakurai T, Kataoka TR, Kondoh E, Chigusa Y, Kawai M, Sawada M, Inoue T, Takeuchi Y, Maeda H, Baba S, Shiozawa Y, Saiki R, Nakagawa MM, Nannya Y, Ochi Y, Hirano T, Nakagawa T, Inagaki-Kawata Y, Aoki K, Hirata M, Nanki K, Matano M, Saito M, Suzuki E, Takada M, Kawashima M, Kawaguchi K, Chiba K, Shiraishi Y, Takita J, Miyano S, Mandai M, Sato T, Takeuchi K, Haga H, Toi M, Ogawa S:

Evolutionary histories of breast cancer and related clones

Nature. 2023 Jul 26. doi: 10.1038/s41586-023-06333-9.

<https://doi.org/10.1038/s41586-023-06333-9>

Nishimura T, Kato H, Ikeda N, Kihara M, Nomura M, Kato Y and Marko-Varga G:
Cancer Phenotype Diagnosis and Drug Efficacy within Japanese Health Care
International Journal of Proteomics, Volume 2012 (2012), Article ID 921901
<http://www.hindawi.com/journals/ijpro/2012/921901/>

Nishimura T, Nakamura H, Fujii K, Sakai H, Naruki S, Furuya N, Kato H, Saji H:
Identification of upstream immunoregulators that target protein co-expression networks significantly associated with early-stage micropapillary/solid predominant lung adenocarcinomas
Research Square, December 20th 2022, DOI: <https://doi.org/10.21203/rs.3.rs-2377717/v1>
<https://doi.org/10.21203/rs.3.rs-2377717/v1>

Nishimura T, Nakamura H, Tan KT, Zhuo DW, Fujii K, Koizumi H, Naruki S, Takagi M, Furuya N, Kato Y, Chen SJ, Kato H, Saji H:
A proteogenomic profile of early lung adenocarcinomas by protein co-expression network and genomic alteration analysis
Sci Rep. 2020 Aug 12;10(1):13604. doi: 10.1038/s41598-020-70578-x.
<https://www.nature.com/articles/s41598-020-70578-x.pdf>

Nishimura T, Nakamura H, Yachie A, Hase T, Fujii K, Koizumi H, Naruki S, Takagi M, Matsuoka Y, Furuya N, Kato H, Saji H:
Disease-related cellular protein networks differentially affected under different EGFR mutations in lung adenocarcinoma
Sci Rep. 2020 Jul 2;10(1):10881. doi: 10.1038/s41598-020-67894-7.
<https://www.nature.com/articles/s41598-020-67894-7.pdf>

Nishimura T, Takadate T, Maeda S, Suzuki T, Minowa T, Fukuda T, Bando Y, Unno M:
Disease-related protein co-expression networks are associated with the prognosis of resectable node-positive pancreatic ductal adenocarcinoma
Research Square, April 14th 2022, DOI: <https://doi.org/10.21203/rs.3.rs-1539065/v1>
<https://doi.org/10.21203/rs.3.rs-1539065/v1>

Nishimura T, Ejits R, Inoue S, Kawazu M, Ueno T, Namikawa K, Takahashi A, Ogata D, Yoshida A, Yamazaki N, Mano H, Yatabe Y, Mori T:
Strategic approach to heterogeneity analysis of cutaneous adnexal carcinomas using computational pathology and genomics
JID Innovations, Skin Science from Molecules to Population Health, 05 Sep 2023
<https://doi.org/10.1016/j.xjidi.2023.100229>

Nishino K, Yamamoto E, Oda Y, Watanabe E, Niimi K, Yamamoto T, Kajiyama H:
Short tandem repeat analysis to identify the causative pregnancy of high-risk gestational trophoblastic neoplasia: molar versus nonmolar pregnancy and its relation to the outcome
Placenta, Available online 2 July 2021, DOI: <https://doi.org/10.1016/j.placenta.2021.06.015>
<https://www.sciencedirect.com/science/article/pii/S0143400421001880>

Nishio M, Kunisaki R, Shibata W, Ajioka Y, Hirasawa K, Takase A, Chiba S, Inayama Y, Ueda W, Okawa K, Otake H, Ogashiwa T, Kinoshita H, Saigusa Y, Kimura H, Kato J, Maeda S:
Serrated polyps in patients with ulcerative colitis: Unique clinicopathological and biological characteristics
PLoS One. 2023 Feb 24;18(2):e0282204. doi: 10.1371/journal.pone.0282204.
<https://doi.org/10.1371/journal.pone.0282204>

Noberini R, Longuespée R, Richichi C, Pruneri G, Kriegsmann M, Pelicci G, Bonaldi T

PAT-H-MS coupled with laser microdissection to study histone post-translational modifications in selected cell populations from pathology samples

Clin Epigenetics. 2017 Jul 11;9:69. doi: 10.1186/s13148-017-0369-8. eCollection 2017.
<https://clinicalepigeneticsjournal.biomedcentral.com/articles/10.1186/s13148-017-0369-8>

Noberini R, Morales Torres C, Savoia EO, Brandini S, Jodice MG, Bertalot G, Bonizzi G, Capra M, Diaferia G, Scaffidi P, Bonaldi T:

Label-Free Mass Spectrometry-Based Quantification of Linker Histone H1 Variants in Clinical Samples

Int J Mol Sci. 2020 Oct 4;21(19):7330. doi: 10.3390/ijms21197330.
<https://www.mdpi.com/1422-0067/21/19/7330>

Noberini R, Savoia EO, Brandini S, Greco F, Marra F, Bertalot G, Pruneri G, McDonnell LA, Bonaldi T:
Spatial epi-proteomics enabled by histone post-translational modification analysis from low-abundance clinical samples

Clin Epigenetics. 2021 Jul 28;13(1):145. doi: 10.1186/s13148-021-01120-7.
<https://clinicalepigeneticsjournal.biomedcentral.com/articles/10.1186/s13148-021-01120-7>

Noë M, Niknafs N, Fischer CG, Hackeng WM, Beleva Guthrie V, Hosoda W, Debeljak M, Papp E, Adleff V, White JR, Luchini C, Pea A, Scarpa A, Butturini G, Zamboni G, Castelli P, Hong SM, Yachida S, Hiraoka N, Gill AJ, Samra JS, Offerhaus GJA, Hoorens A, Verheij J, Jansen C, Adsay NV, Jiang W, Winter J, Albores-Saavedra J, Terris B, Thompson ED, Roberts NJ, Hruban RH, Karchin R, Scharpf RB, Brosens LAA, Velculescu VE, Wood LD:

Genomic characterization of malignant progression in neoplastic pancreatic cysts

Nat Commun. 2020 Aug 14;11(1):4085. doi: 10.1038/s41467-020-17917-8.
<https://doi.org/10.1038/s41467-020-17917-8>

Noguchi R, Yamaguchi K, Yano H, Gohda Y, Kiyomatsu T, Ota Y, Igari T, Takahashi N, Ohsugi T, Takane K, Ikenoue T, Niida A, Shimizu E, Yamaguchi R, Miyano S, Imoto S, Furukawa Y:

Cell of origin and expression profiles of pseudomyxoma peritonei derived from the appendix

Pathol Res Pract. 2024 Dec 21;266:155776. doi: 10.1016/j.prp.2024.155776.
<https://doi.org/10.1016/j.prp.2024.155776>

Nomura M, Fukuda T, Fujii K, Kawamura T, Tojo H, Kihara M, Bando Y, Gazdar AF, Tsuboi M, Oshiro H, Nagao T, Ohira T, Ikeda N, Gotoh N, Kato H, Marko-Varga G, Nishimura T

Preferential expression of potential markers for cancer stem cells in large cell neuroendocrine carcinoma of the lung. An FFPE proteomic study

J Clin Bioinforma. 2011 Sep 3;1(1):23.
<http://www.jclinbioinformatics.com/content/1/1/23/abstract>

Nonn L, Vaishnav A, Gallagher L, Gann PH:

mRNA and micro-RNA expression analysis in laser-capture microdissected prostate biopsies: valuable tool for risk assessment and prevention trials

Exp Mol Pathol. 2010 Feb;88(1):45-51
<http://www.ncbi.nlm.nih.gov/pmc/articles/pmid/19874819/?tool=pubmed>

Notta F, Chan-Seng-Yue M, Lemire M, Li Y, Wilson GW, Connor AA, Denroche RE, Liang SB, Brown AM, Kim JC, Wang T, Simpson JT, Beck T, Borgida A, Buchner N, Chadwick D, Hafezi-Bakhtiari S, Dick JE, Heisler L, Hollingsworth MA, Ibrahimov E, Jang GH, Johns J, Jorgensen LG, Law C, Ludkovski O, Lungu I, Ng K, Pasternack D, Petersen GM, Shlush LI, Timms L, Tsao MS, Wilson JM, Yung CK, Zogopoulos G, Bartlett JM, Alexandrov LB, Real FX, Cleary SP, Roehrl MH, McPherson JD, Stein LD, Hudson TJ, Campbell PJ, Gallinger S:

A renewed model of pancreatic cancer evolution based on genomic rearrangement patterns

Nature. 2016 Oct 12. doi: 10.1038/nature19823.
<http://dx.doi.org/10.1038/nature19823>

Nozaki F, Nakanishi Y, Taninio T, Ochi T, In R, Kajiura Y, Kida K, Takei J, Yoshida A, Kanomata N, Kitano A, Yamauchi H, Masuda S:

Breast cancer occurring during pregnancy of Luminal A type overexpressed CXCL13

Research Square, 26. Jul 2023, DOI: <https://doi.org/10.21203/rs.3.rs-3145411/v1>

<https://doi.org/10.21203/rs.3.rs-3145411/v1>

Oberhuber M, Pecoraro M, Rusz M, Oberhuber G, Wieselberg M, Haslinger P, Gurnhofer E, Schleder M, Limberger T, Lagger S, Pencik J, Kodajova P, Högler S, Stockmaier G, Grund-Gröschke S, Aberger F, Bolis M, Theurillat JP, Wiebringhaus R, Weiss T, Haitel A, Brehme M, Wadsak W, Griss J, Mohr T, Hofer A, Jäger A, Pollheimer J, Egger G, Koellensperger G, Mann M, Hantusch B, Kenner L:

STAT3-dependent analysis reveals PDK4 as independent predictor of recurrence in prostate cancer

Mol Syst Biol. 2020 Apr;16(4):e9247. doi: 10.15252/msb.20199247.

<https://www.embopress.org/doi/epdf/10.15252/msb.20199247>

Obrador E, Benlloch M, Pellicer JA, Asensi M, Estrela JM:

Intertissue Flow of Glutathione (GSH) as a Tumor Growth-promoting Mechanism: INTERLEUKIN 6 INDUCES GSH RELEASE FROM HEPATOCYTES IN METASTATIC B16 MELANOMA-BEARING MICE

J Biol Chem. 2011 May 6;286(18):15716-27

<http://www.jbc.org/content/286/18/15716.short>

O'Brien, P.M., Millan, D.W., Davis, J.A., and Campo, M.S.:

In situ isolation of immunoglobulin sequences expressed by single tumor-infiltrating B cells using laser-assisted microdissection

Mol Biotechnol 29(2): 101-109 (2005)

<http://www.springerlink.com/content/p114h31ru1441kw2/>

Oh MS:

Immunologic response to a CCL21-gene modified dendritic cell vaccine in non-small cell lung cancer

Thesis, 2025

<https://escholarship.org/uc/item/2v441432>

Ohashi R, Umezu H, Sato A, Abé T, Kondo S, Daigo K, Sato S, Hara N, Miyashita A, Ikeuchi T, Motoyama T, Kishi M, Nagaoka T, Horiuchi K, Shiga A, Okuda S, Sekiya T, Ohtsubo A, Ichikawa K, Kagamu H, Kikuchi T, Watanabe S, Tanuma JI, Schraml P, Hamakubo T, Tsuchida M, Ajioka Y:

Frequent Germline and Somatic Single Nucleotide Variants in the Promoter Region of the Ribosomal RNA Gene in Japanese Lung Adenocarcinoma Patients

Cells. 2020 Nov 3;9(11):E2409. doi: 10.3390/cells9112409.

<https://www.mdpi.com/2073-4409/9/11/2409/htm>

Okuyama H, Endo H, Akashika T, Kato K, Inoue M:

Downregulation of c-MYC protein levels contributes to cancer cell survival under dual deficiency of oxygen and glucose

Cancer Res 70(24):10213-23 (2010)

<http://cancerres.aacrjournals.org/content/70/24/10213.short>

Okamoto T, duVerle D, Yaginuma K, Natsume Y, Yamanaka H, Kusama D, Fukuda M, Yamamoto M, Perraud F, Srivastava U, Kashima Y, Suzuki A, Kuze Y, Takahashi Y, Ueno M, Sakai Y, Noda T, Tsuda K, Suzuki Y, Nagayama S, Yao R:

Comparative Analysis of Patient-Matched PDOs Revealed a Reduction in OLFM4-Associated Clusters in Metastatic Lesions in Colorectal Cancer

Stem Cell Reports. 2021 Mar 2:S2213-6711(21)00092-8. doi: 10.1016/j.stemcr.2021.02.012.

<https://www.sciencedirect.com/science/article/pii/S2213671121000928#mmc1>

Oliver TRW, Lawson ARJ, Lee-Six H, Tollit A, Jung H, Hooks Y, Sanghvi R, Young MD, Butler TM, Nicola PA, Treger TD, Lensing SV, Burke GAA, Aquilina K, Löbel U, Cortes-Ciriano I, Hargrave D, Jorgensen M, Jessop FA, Coorens THH, Flanagan AM, Allinson K, Martincorena I, Jacques TS, Behjati S:
Cancer-independent somatic mutation of the wild-type NF1 allele in normal tissues in neurofibromatosis type 1

Nat Genet. 2025 Feb 25. doi: 10.1038/s41588-025-02097-2.

<https://doi.org/10.1038/s41588-025-02097-2>

Olpe C, Khamis D, Chukanova M, Skoufou-Papoutsaki N, Kemp R, Marks K, Tatton C, Lindskog C, Nicholson A, Brunton-Sim R, Malhotra S, Hoopen RT, Stanley R, Winton DJ, Morrissey E:
A diffusion-like process accommodates new crypts during clonal expansion in human colonic epithelium.

Gastroenterology. 2021 Apr 22:S0016-5085(21)00659-4. doi: 10.1053/j.gastro.2021.04.035.

[https://www.gastrojournal.org/article/S0016-5085\(21\)00659-4/fulltext](https://www.gastrojournal.org/article/S0016-5085(21)00659-4/fulltext)

Ong Q, Sakashita S, Hanawa E, Kaneko N, Noguchi M, and Muratani M:
Integrative RNA-Seq and H3 Trimethylation ChIP-Seq Analysis of Human Lung Cancer Cells Isolated by Laser-Microdissection

Cancers 2021, 13(7), 1719; <https://doi.org/10.3390/cancers13071719>

<https://www.mdpi.com/2072-6694/13/7/1719>

Onozato Y, Sasaki Y, Abe Y, Sato H, Yagi M, Mizumoto N, Kon T, Sakai T, Ito M, Umehara M, Koseki A, Ueno Y:

Novel genomic alteration in superficial esophageal squamous cell neoplasms in non-smoker non-drinker females

Sci Rep. 2021 Oct 11;11(1):20150. doi: 10.1038/s41598-021-99790-z.

<https://www.nature.com/articles/s41598-021-99790-z>

Ooki A, Yamashita K, Kikuchi S, Sakuramoto S, Katada N, Watanabe M:

Phosphatase of regenerating liver-3 as a convergent therapeutic target for lymph node metastasis in esophageal squamous cell carcinoma

Int J Cancer. 2010 Aug 1;127(3):543-54.

<http://onlinelibrary.wiley.com/doi/10.1002/ijc.25082/full>

Oparka R, Cassidy A, Reilly S, Stenhouse A, McCluggage WG, Herrington CS:

The C134W (402 C>G) FOXL2 mutation is absent in ovarian gynandroblastoma: insights into the genesis of an unusual tumour

Histopathology. 2012 Feb 1. doi: 10.1111/j.1365-2559.2011.04148.x.

<http://dx.doi.org/10.1111/j.1365-2559.2011.04148.x>

Orrù C, Perra A, Kowalik MA, Rizzolio S, Puliga E, Cabras L, Giordano S, Columbano A:

Distinct Mechanisms Are Responsible for Nrf2-Keap1 Pathway Activation at Different Stages of Rat Hepatocarcinogenesis

Cancers (Basel). 2020 Aug 16;12(8):E2305. doi: 10.3390/cancers12082305.

<https://www.mdpi.com/2072-6694/12/8/2305/htm>

Oshima H, Hioki K, Popivanova BK, Oguma K, Van Rooijen N, Ishikawa TO, Oshima M:

Prostaglandin E₂ signaling and bacterial infection recruit tumor-promoting macrophages to mouse gastric tumors

Gastroenterology. 2011 Feb;140(2):596-607.e7

<http://dSPACE.lib.kanazawa-u.ac.jp/dSPACE/handle/2297/26532>

Oshima H, Ishikawa T, Yoshida GJ, Naoi K, Maeda Y, Naka K, Ju X, Yamada Y, Minamoto T, Mukaida N, Saya H, Oshima M:

TNF- α /TNFR1 signaling promotes gastric tumorigenesis through induction of Noxo1 and Gna14 in tumor cells

Oncogene. 2013 Aug 26. doi: 10.1038/onc.2013.356.
<http://www.nature.com/onc/journal/vaop/ncurrent/full/onc2013356a.html>

Oskolas H, Nogueira FCN, Domont GB, Yu KH, Semenov YR, Sorger P, Steinfelder E, Corps L, Schulz L, Wieslander E, Fenyő D, Kárpáti S, Holló P, Kemény LV, Döme B, Megyesfalvi Z, Pawłowski K, Nishimura T, Kwon H, Encarnación-Guevara S, Szasz AM, Veréb Z, Gyulai R, Németh IB, Appelqvist R, Rezeli M, Baldetorp B, Horvatovich P, Malmström J, Pla I, Sanchez A, Knudsen B, Kiss A, Malm J, Marko-Varga G, Gil J:

Comprehensive biobanking strategy with clinical impact at the European Cancer Moonshot Lund Center

J Proteomics. 2025 Apr 15:105442. doi: 10.1016/j.jprot.2025.105442.
<https://doi.org/10.1016/j.jprot.2025.105442>

Otsubo T, Okamura T, Hagiwara T, Ishizaka Y, Dohi T, Kawamura YI:

Retrotransposition of long interspersed nucleotide element-1 is associated with colitis but not tumors in a murine colitic cancer model

PLoS One. 2015 Feb 24;10(2):e0116072. doi: 10.1371/journal.pone.0116072. eCollection 2015.
<http://dx.plos.org/10.1371/journal.pone.0116072>

Oulhen, M., Tayoun, T., Aberlenc, A., Pawlikowska, P., Farace, F., Cote, R.J., Lianidou, E. (eds):
Insight into Intratumoral Heterogeneity Through Single CTC Sequencing and CDX Analysis
Circulating Tumor Cells. Current Cancer Research. Springer, Cham.
https://doi.org/10.1007/978-3-031-22903-9_12

Oyama H, Tada M, Takagi K, Tateishi K, Hamada T, Nakai Y, Hakuta R, Ijichi H, Ishigaki K, Kanai S, Kogure H, Mizuno S, Saito K, Saito T, Sato T, Suzuki T, Takahara N, Morishita Y, Arita J, Hasegawa K, Tanaka M, Fukayama M, Koike K:

Long-term Risk of Malignancy in Branch Duct Intraductal Papillary Mucinous Neoplasms

Gastroenterology. 2019 Aug 29. pii: S0016-5085(19)41257-2. doi: 10.1053/j.gastro.2019.08.032.
<https://www.sciencedirect.com/science/article/abs/pii/S0016508519412572#!>

Oyama Y, Nishida H, Kusaba T, Kadowaki H, Arakane M, Wada J, Urabe S, Hirano T, Kawano K, Suzuki M, Yokoyama S, Daa T:

Difference in transducin-like enhancer of split 1 protein expression between basal cell adenomas and basal cell adenocarcinomas - an immunohistochemical study

Diagn Pathol. 2018 Jul 27;13(1):48. doi: 10.1186/s13000-018-0726-8.
<https://diagnosticpathology.biomedcentral.com/articles/10.1186/s13000-018-0726-8>

Ozawa H, Iwatsuki M, Mimori K, Sato T, Johansson F, Toh H, Watanabe M, Mori M:

FANCD2 mRNA overexpression is a bona fide indicator of lymph node metastasis in human colorectal cancer

Ann Surg Oncol. 2010 Sep;17(9):2341-8. Epub 2010 Mar 26.
<http://www.springerlink.com/content/45444108t4327750/>

Paasch TP, Jarlstad Olesen MT, García-Rodríguez JL, Assmus AM, Fenton RA, Kjems J, Hager H, Kristensen LS:

ciRS-7 expression is epigenetically regulated in cancer cells across human adenocarcinomas

PLoS Genet. 2025 Jun 2;21(6):e1011726. doi: 10.1371/journal.pgen.1011726.
<https://doi.org/10.1371/journal.pgen.1011726>

Pace E, Ferraro M, Minervini MI, Vitulo P, Pipitone L, Chiappara G, Siena L, Montalbano AM, Johnson M, Gjomarkaj M:

Beta Defensin-2 Is Reduced in Central but Not in Distal Airways of Smoker COPD Patients

PLoS ONE 7(3): e33601. doi:10.1371/journal.pone.0033601
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0033601>

Pan S, Brentnall TA, Kelly K, Chen R:

Tissue proteomics in pancreatic cancer study: discovery, emerging technologies and challenges

Proteomics. 2012 Nov 2. doi: 10.1002/pmic.201200319.

<http://dx.doi.org/10.1002/pmic.201200319>

Paranal RM, Jiang Z, Hutchings D, Kryklyva V, Gauthier C, Fujikura K, Nanda N, Huang B, Skaro M, Wolfgang CL, He J, Klimstra DS, Brand RE, Singhi AD, DeMarzo A, Zheng L, Goggins M, Brosens LA, Hruban RH, Klein AP, Lotan T, Wood LD, Roberts NJ:

Somatic loss of ATM is a late event in pancreatic tumorigenesis

J Pathol. 2023 Jun 22. doi: 10.1002/path.6136.

<https://doi.org/10.1002/path.6136>

Pareja F, Ptashkin RN, Brown DN, Derakhshan F, Selenica P, da Silva EM, Gazzo AM, Da Cruz Paula A, Breen K, Shen R, Marra A, Zehir A, Benayed R, Berger MF, Ceyhan-Birsoy O, Jairam S, Sheehan M, Patel U, Kemel Y, Casanova-Murphy J, Schwartz CJ, Vahdatinia M, Comen E, Borsu L, Pei X, Riaz N, Abramson DH, Weigelt B, Walsh MF, Hadjantonakis AK, Ladanyi M, Offit K, Stadler ZK, Robson ME, Reis-Filho JS, Mandelker D:

Cancer Causative Mutations Occurring in Early Embryogenesis

Cancer Discov. 2021 Dec 23:candisc.1110.2021. doi: 10.1158/2159-8290.CD-21-1110.

<https://aacrjournals.org/cancerdiscovery/article/doi/10.1158/2159-8290.CD-21-1110/674551/Cancer-Causative-Mutations-Occurring-in-Early>

Pascal LE, Ai J, Masoodi KZ, Wang Y, Wang D, Eisermann K, Rigatti LH, O'Malley KJ, Ma HM, Wang X, Dar JA, Parwani AV, Simons BW, Ittman MM, Li L, Davies BJ, Wang Z:

Development of a Reactive Stroma Associated with Prostatic Intraepithelial Neoplasia in EAF2 Deficient Mice

PLoS One. 2013 Nov 18;8(11):e79542.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0079542>

Pascal LE, Su F, Wang D, Ai J, Song Q, Wang Y, O'Malley KJ, Cross B, Rigatti LH, Green A, Dhir R, Wang Z:

Conditional Deletion of Eaf1 Induces Murine Prostatic Intraepithelial Neoplasia in Mice

Neoplasia. 2019 Aug;21(8):752-764. doi: 10.1016/j.neo.2019.05.005.#

[https://linkinghub.elsevier.com/retrieve/pii/S1476-5586\(19\)30140-X](https://linkinghub.elsevier.com/retrieve/pii/S1476-5586(19)30140-X)

Pastò A, Marchesi M, Diamantini A, Frasson C, Curtarello M, Lago C, Pilotto G, Parenti AR, Esposito G, Agostini M, Nitti D, Amadori A:

PKH26 Staining Defines Distinct Subsets of Normal Human Colon Epithelial Cells at Different Maturation Stages

PLoS ONE 7(8): e43379. doi:10.1371/journal.pone.0043379

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0043379>

Patnaik KS, Kannisto E, Mallick R, and Yendamuri S:

Overexpression of the Lung Cancer-Prognostic miR-146b MicroRNAs Has a Minimal and Negative Effect on the Malignant Phenotype of A549 Lung Cancer Cells

PLoS ONE 6(7): e22379

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0022379>

Patnaik S, Mallick R, Kannisto E, Sharma R, Bshara W, Yendamuri S, Dhillon SS:

MiR-205 and MiR-375 MicroRNA Assays to Distinguish Squamous Cell Carcinoma from Adenocarcinoma in Lung Cancer Biopsies

J Thorac Oncol. 2015 Mar;10(3):446-53. doi: 10.1097/JTO.0000000000000423.

<http://meta.wkhealth.com/pt/pt-core/template-journal/wwwgateway/media/landingpage.htm?issn=1556-0864&volume=10&issue=3&spage=446>

Paul ED, Huraiová B, Valková N, Matyasovska N, Gábrišová D, Gubová S, Ignačáková H, Ondris T, Gala M, Barroso L, Bendíková S, Bíla J, Buranovská K, Drobná D, Krchňáková Z, Kryvokhyzha M, Lovíšek D, Mamoiylk V, Mancikova V, Vojtaššáková N, Ristová M, Comino-Méndez I, Andrašina I, Morozov P, Tuschl T, Pareja F, Kather JN & Čekan P:

The spatially informed mFISHseq assay resolves biomarker discordance and predicts treatment response in breast cancer

Nat Commun 16, 226 (2025 Jan 2).

<https://doi.org/10.1038/s41467-024-55583-2>

Pavlič A, Boštjančič E, Kavalár R, Ilijevec B, Bonin S, Zanconati F, Zidar N:

Tumour budding and poorly differentiated clusters in colon cancer – different manifestations of partial epithelial-mesenchymal transition

The Journal of Pathology, 06 Aug 2022

<https://doi.org/10.1002/path.5998>

Pavlič A, Urh K, Boštjančič E, Zidar N:

Analyzing the invasive front of colorectal cancer – by punching tissue block or laser capture microdissection?

Research Square, 26th June 2023

<https://doi.org/10.21203/rs.3.rs-3071443/v1>

Peiris-Pagès M, Ozsvári B, Sotgia F, Lisanti MP:

Mitochondrial and ribosomal biogenesis are new hallmarks of stemness, oncometabolism and biomass accumulation in cancer: Mito-stemness and ribo-stemness features

Aging (Albany NY). 2019 Jul 16. doi: 10.18632/aging.102054.

<https://www.impactaging.com/full/102054>

Penick ER, Bateman NW, Rojas C, Magana C, Conrads K, Zhou M, Hood BL, Wang G, Parikh N, Huang Y, Darcy KM, Casablanca Y, Mhawech-Fauceglia P, Maxwell GL, Conrads T:

Proteomic Alterations Associated with Residual Disease in Neoadjuvant Chemotherapy Treated Ovarian Cancer Tissues

Research Square, 9th May 2022, DOI: <https://doi.org/10.21203/rs.3.rs-1625948/v1>

<https://www.researchsquare.com/article/rs-1625948/v1>

Perier-Muzet M, Thomas L, Poulalhon N, Debarbieux S, Bringuier PP, Duru G, Depaepe L, Balme B, Dalle S :

Melanoma patients under vemurafenib: prospective follow-up of melanocytic lesions by digital dermoscopy

J Invest Dermatol. 2014 May;134(5):1351-8. doi: 10.1038/jid.2013.462.

<http://dx.doi.org/10.1038/jid.2013.462>

Perilli L, Pizzini S, Bisognin A, Mandruzzato S, Biasiolo M, Faccioli A, Rossi E, Esposito G, Rugge M, Pilati P, Mocellin S, Nitti D, Bortoluzzi S, and Zanovello P:

Human miRNome profiling in colorectal cancer and liver metastasis development

Genomics Data (2014) GDATA-00060

<http://www.sciencedirect.com/science/article/pii/S2213596014000506>

Petersson F, Branzovsky J, Martinek P, Korabecna M, Kruslin B, Hora M, Peckova K, Bauleth K, Pivovarcikova K, Michal M, Svajdlar M, Sperga M, Bulimbasic S, Leroy X, Rychly B, Trivunic S, Kokoskova B, Rotterova P, Podhola M, Suster S, Hes O:

The leiomyomatous stroma in renal cell carcinomas is polyclonal and not part of the neoplastic process

Virchows Arch. 2014 May 18.

<http://link.springer.com/article/10.1007/s00428-014-1591-9>

Petrelli A, Perra A, Cora D, Sulas P, Menegon S, Manca C, Migliore C, Kowalik MA, Ledda-Columbano GM, Giordano S, Columbano A:

MiRNA/gene profiling unveils early molecular changes and NRF2 activation in a rat model recapitulating human HCC

Hepatology. 2013 Jul 15. doi: 10.1002/hep.26616.

<http://dx.doi.org/10.1002/hep.26616>

Petrelli A, Perra A, Schernhuber K, Cargnelutti M, Salvi A, Migliore C, Ghiso E, Benetti A, Barlati S, Ledda-Columbano GM, Portolani N, De Petro G, Columbano A and Giordano S:

Sequential analysis of multistage hepatocarcinogenesis reveals that miR-100 and PLK1 dysregulation is an early event maintained along tumor progression

Oncogene, (16 January 2012) | doi:10.1038/onc.2011.631

<http://www.nature.com/onc/journal/vaop/ncurrent/full/onc2011631a.html>

Piga I, L'Imperio V, Principi L, Bellevicine C, Fusco N, Maffini F, Venetis K, Ivanova M, Seminati D, Casati G, Pagani L, Galimberti S, Capitoli G, Garancini M, Gatti A-V, Magni F, and Pagni F:

Spatially Resolved Molecular Approaches for the Characterisation of Non-Invasive Follicular Tumours with Papillary-like Features (NIFTPs)

Int. J. Mol. Sci. 2023, 24, 2567.

<https://doi.org/10.3390/ijms24032567>

Pignochino Y, Sarotto I, Peraldo-Neia C, Penachioni JY, Cavalloni G, Migliardi G, Casorzo L, Chiorino G, Risio M, Bardelli A, Aglietta M, Leone F:

Targeting EGFR/HER2 pathways enhances the antiproliferative effect of gemcitabine in biliary tract and gallbladder carcinomas

BMC Cancer. 2010 Nov 18;10:631.

<http://www.biomedcentral.com/1471-2407/10/631>

Pisanic TR 2nd, Asaka S, Lin SF, Yen TT, Sun H, Bahadirli-Talbott A, Wang TH, Burns KH, Wang TL, Shih IM:

LINE-1 retrotransposons become deregulated during the development of ovarian cancer precursor lesions

Am J Pathol. 2018 Dec 13. pii: S0002-9440(18)30690-4. doi: 10.1016/j.ajpath.2018.11.005.

[https://linkinghub.elsevier.com/retrieve/pii/S0002-9440\(18\)30690-4](https://linkinghub.elsevier.com/retrieve/pii/S0002-9440(18)30690-4)

Pisapia P, Pepe F, Iaccarino A, Sgariglia R, Nacchio M, Conticelli F, Salatiello M, Tufano R, Russo G, Gragnano G, Girolami I, Eccher A, Malapelle U, and Troncone G:

Next Generation Sequencing in Cytopathology: Focus on Non-Small Cell Lung Cancer

Front. Med., 11 February 2021 | <https://doi.org/10.3389/fmed.2021.633923>

<https://www.frontiersin.org/articles/10.3389/fmed.2021.633923/full>

Piscuoglio S, Ng CKY, Murray M, Burke KA, Edelweiss M, Geyer FC, Macedo GS, Inagaki A, Papanastasiou AD, Martelotto LG, Marchio C, Lim RS, Ioris RA, Nahar PK, De Bruijn I, Smyth L, Akram M, Ross D, Petrini J, Norton L, Solit DB, Baselga J, Brogi E, Ladanyi M, Weigelt B, and Reis-Filho JS:

Massively parallel sequencing of Phyllodes tumours of the breast reveals actionable mutations, and TERT promoter hotspot mutations and TERT gene amplification as likely drivers of progression

The Journal of Pathology, 17 NOV 2015 07:08AM EST | DOI: 10.1002/path.4672

<http://onlinelibrary.wiley.com/doi/10.1002/path.4672/abstract>

Pizzini S, Bisognin A, Mandruzzato S, Biasiolo M, Faccioli A, Perilli L, Rossi E, Esposito G, Rugge M, Pilati P, Mocellin S, Nitti D, Bortoluzzi S, Zanovello P:

Impact of microRNAs on regulatory networks and pathways in human colorectal carcinogenesis and development of metastasis

BMC Genomics. 2013 Aug 29;14(1):589.

<http://www.biomedcentral.com/1471-2164/14/589>

Priego S, Feddi F, Ferrer P, Mena S, Benlloch M, Ortega A, Carretero J, Obrador E, Asensi M, Estrela JM:
Natural polyphenols facilitate elimination of HT-29 colorectal cancer xenografts by chemoradiotherapy: a Bcl-2- and superoxide dismutase 2-dependent mechanism

Mol Cancer Ther. 2008 Oct;7(10):3330-42. doi: 10.1158/1535-7163.MCT-08-0363.

<http://mct.aacrjournals.org/cgi/pmidlookup?view=long&pmid=18852136>

Prieto-Vila M, Usuba W, Yoshioka Y, Takeshita F, Yoshiike M, Sasaki H, Yamamoto Y, Kikuchi E, Ochiya T:

High-grade bladder cancer cells secrete extracellular vesicles containing miRNA-141a-3p and promotes angiogenesis

J of Extracellular Bio. 2022;1:e47. DOI: 10.1002/jex2.47

<https://doi.org/10.1002/jex2.47>

Prowse, A.H., Fakis, G., Manek, S., Churchman, M., Edwards, S., Rowan, A., Koninckx, P., Kennedy, S., and Tomlinson, I.P.:

Allelic loss studies do not provide evidence for the "endometriosis-as-tumor" theory

Fertil Steril 83 Suppl 1: 1134-1143 (2005)

<http://www.fertstert.org/article/S0015-0282%2804%2903224-8/abstract>

Prowse AH, Manek S, Varma R, Liu J, Godwin AK, Maher ER, Tomlinson IP, and Kennedy SH:

Molecular genetic evidence that endometriosis is a precursor of ovarian cancer

Int J Cancer 119(3): 556-562 (2006)

<http://onlinelibrary.wiley.com/doi/10.1002/ijc.21845/full>

Pruneri, G., Mazzarol, G., Manzotti, M., and Viale, G.:

Monoclonal proliferation of germinal center cells (incipient follicular lymphoma) in an axillary lymph node of a melanoma patient

Hum Pathol 32(12): 1410-1413 (2001)

<http://www.humanpathol.com/article/S0046-8177%2801%2950948-X/abstract>

Pucci A, Mattioli C, Matteucci M, Lorenzini D, Panvini F, Pacini S, Ippolito C, Celiento M, De Martino A, Dolfi A, Belgio B, Bortolotti U, Basolo F, Bartoloni G:

Cell differentiation in cardiac myxomas: confocal microscopy and gene expression analysis after laser capture microdissection

Heart Vessels. 2018 May 22. doi: 10.1007/s00380-018-1189-2.

<https://dx.doi.org/10.1007/s00380-018-1189-2>

Puchalski RB, Shah N, Miller J, Dalley R, Nomura SR, Yoon JG, Smith KA, Lankarovich M, Bertagnolli D, Bickley K, Boe AF, Brouner K, Butler S, Caldejon S, Chapin M, Datta S, Dee N, Desta T, Dolbeare T, Dotson N, Ebberth A, Feng D, Feng X, Fisher M, Gee G, Goldy J, Gourley L, Gregor BW, Gu G, Hejazinia N, Hohmann J, Hothi P, Howard R, Joines K, Kriedberg A, Kuan L, Lau C, Lee F, Lee H, Lemon T, Long F, Mastan N, Mott E, Murthy C, Ngo K, Olson E, Reding M, Riley Z, Rosen D, Sandman D, Shapovalova N, Slaughterbeck CR, Sodt A, Stockdale G, Szafer A, Wakeman W, Wohnoutka PE, White SJ, Marsh D, Rostomily RC, Ng L, Dang C, Jones A, Keogh B, Gittleman HR, Barnholtz-Sloan JS, Cimino PJ, Uppin MS, Keene CD, Farrokhi FR, Lathia JD, Berens ME, Iavarone A, Bernard A, Lein E, Phillips JW, Rostad SW, Cobbs C, Hawrylycz MJ, Foltz GD:

An anatomic transcriptional atlas of human glioblastoma

Science. 2018 May 11;360(6389):660-663. doi: 10.1126/science.aaf2666

<http://www.sciencemag.org/cgi/pmidlookup?view=long&pmid=29748285>

Pujari GP, Mangalaparathi KK, Madden BJ, Bhat FA, Charlesworth MC, French AJ, Sachdeva G, Daviso E, Thomann U, McCarthy P, Vasantgadkar S, Bhattacharyya D, Pandey A:

A High-Throughput Workflow for FFPE Tissue Proteomics

J Am Soc Mass Spectrom. 2023 Jun 2. doi: 10.1021/jasms.3c00099.

<https://doi.org/10.1021/jasms.3c00099>

Qiu X, Pascal LE, Song Q, Zang Y, Ai J, O'Malley KJ, Nelson JB, Zhou W:

Physical and Functional Interactions between ELL2 and RB in the Suppression of Prostate Cancer Cell Proliferation, Migration, and Invasion

Neoplasia, Mar 2017, Volume 19, Issue 3, Pages 207–215

[http://www.neoplasia.com/article/S1476-5586\(16\)30185-3/abstract](http://www.neoplasia.com/article/S1476-5586(16)30185-3/abstract)

Qu X, Sandmann T, Frierson H Jr, Fu L, Fuentes E, Walter K, Okrah K, Rumpel C, Moskaluk C, Lu S, Wang Y, Bourgon R, Penuel E, Pirzkall A, Amler L, Lackner MR, Tabenero J, Hampton GM, Kabbarah O: **Integrated genomic analysis of colorectal cancer progression reveals activation of EGFR through demethylation of the EREG promoter**

Oncogene. 2016 Jun 6. doi: 10.1038/onc.2016.170.

<http://dx.doi.org/10.1038/onc.2016.170>

Rabbie R, Lau D, White RM, Adams DJ:

Unraveling the cartography of the cancer ecosystem

Genome Biol. 2021 Mar 24;22(1):87. doi: 10.1186/s13059-021-02310-5.

<https://genomebiology.biomedcentral.com/articles/10.1186/s13059-021-02310-5>

Rabien A, Fritzsche FR, Jung M, Tölle A, Diamandis EP, Miller K, Jung K, Kristiansen G, Stephan C:

KLK15 is a prognostic marker for progression-free survival in patients with radical prostatectomy

Int J Cancer 127(10):2386-94 (2010)

<http://onlinelibrary.wiley.com/doi/10.1002/ijc.25435/full>

Rabien A, Kristiansen G:

Tissue Microdissection

Methods Mol Biol. 2016;1381:39-52. doi: 10.1007/978-1-4939-3204-7_2.

http://link.springer.com/protocol/10.1007%2F978-1-4939-3204-7_2

Raghav K, Overman M, Poage GM, Soifer HS, Schnabel CA, Varadhachary GR:

Defining a Distinct Immunotherapy Eligible Subset of Patients with Cancer of Unknown Primary Using Gene Expression Profiling with the 92-Gene Assay

Oncologist. 2020 Sep 7. doi: 10.1634/theoncologist.2020-0234.

<https://theoncologist.onlinelibrary.wiley.com/doi/pdfdirect/10.1634/theoncologist.2020-0234>

Rahrmann EP, Collier LS, Knutson TP, Doyal ME, Kuslak SL, Green LE, Malinowski RL, Roethe L, Akagi K, Waknitz M, Huang W, Largaespada DA, Marker PC:

Identification of PDE4D as a proliferation promoting factor in prostate cancer using a Sleeping Beauty transposon-based somatic mutagenesis screen

Cancer Res. 2009 May 15;69(10):4388-97. doi: 10.1158/0008-5472.CAN-08-3901.

<http://cancerres.aacrjournals.org/cgi/lookup?view=long&pmid=19401450>

Raj-Kumar PK, Lin X, Liu T, Sturtz LA, Gritsenko MA, Petyuk VA, Sagendorf TJ, Deyarmin B, Liu J, Praveen-Kumar A, Wang G, McDermott JE, Shukla AK, Moore RJ, Monroe ME, Webb-Robertson BM, Hooke JA, Fantacone-Campbell L, Mostoller B, Kvecher L, Kane J, Melley J, Somiari S, Soon-Shiong P, Smith RD, Mural RJ, Rodland KD, Shriver CD, Kovatich AJ, Hu H:

Proteogenomic characterization of difficult-to-treat breast cancer with tumor cells enriched through laser microdissection

Breast Cancer Res. 2024 May 14;26(1):76. doi: 10.1186/s13058-024-01835-4.

<https://doi.org/10.1186/s13058-024-01835-4>

Raj-Kumar PK, Liu J, Soltis AR, Bateman NW, Chen Q, Sturtz LA, Deyarmin B, Pierobon M, Abulez TA, Praveen-Kumar A, Zhang X, Nguyen T, Yan C, Hu Y, Guion K, Hooke JA, Kovatich AJ, Fantacone-Campbell L, Mostoller B, Kvecher L, Somiari S, Steeg PS, Rajagopal PS, Darcy KM, Lee JSH, Dalgard CL, Conrads TP, Petricoin EF, Meerzaman D, Wilkerson MD; APOLLO Research Network; Lin X, Shriver CD, Lipkowitz S, Hu H:

Proteogenomic characterization of invasive breast tumors in young women

NPJ Breast Cancer. 2025 Aug 18;11(1):94. doi: 10.1038/s41523-025-00793-0.

<https://doi.org/10.1038/s41523-025-00793-0>

Ran R, Li L, Shi Z, Liu G, Jiang H, Fang L, Xu T, Huang J, Chen W, Chen Y:

Disruption of tp53 leads to cutaneous nevus and melanoma formation in *Xenopus tropicalis*

Molecular Oncology, 06 Aug 2022, doi:10.1111/mol2.13301

<https://doi.org/10.1002/1878-0261.13301>

Ran R, Li L, Wang M, Wang S, Zheng Z, Lin PP:

Determination of EGFR mutations in single cells microdissected from enriched lung tumor cells in peripheral blood

Anal Bioanal Chem. 2013 Jul 5

<http://dx.doi.org/10.1007/s00216-013-7156-y>

Randall J, Cannon TL, Hunt AL, Nutchareen A, Johnston L, Wang H, Wadlow RC, Winer A, Huynh J, Bateman NW, Davus JB, Corgiat B, Petricoin E, Conrads TP:

Proteomic quantification of HER-2 abundance and activation in pancreatic ductal adenocarcinoma tumor specimens using reverse phase protein array

Journal of Clinical Oncology 41, no. 16_suppl (June 01, 2023) e16299-e16299.

https://doi.org/10.1200/JCO.2023.41.16_suppl.e16299

Randall J, Hunt AL, Nutchareen A, Johnston L, Chouraichi S, Wang H, Winer A, Wadlow R, Huynh J, Davis J, Corgiat B, Bateman NW, Deeken JF, Petricoin EF, Conrads TP, Cannon TL:

Quantitative proteomic analysis of HER2 protein expression in PDAC tumors

Clin Proteomics. 2024 Mar 20;21(1):24. doi: 10.1186/s12014-024-09476-7.

<https://doi.org/10.1186/s12014-024-09476-7>

Randazzo O, Papini F, Mantini G, Gregori A, Parrino B, Liu DSK, Cascioferro S, Carbone D, Peters GJ, Frampton AE, Garajova I, and Giovanetti E:

“Open Sesame?”: Biomarker Status of the Human Equilibrative Nucleoside Transporter-1 and Molecular Mechanisms Influencing its Expression and Activity in the Uptake and Cytotoxicity of Gemcitabine in Pancreatic Cancer

Cancers 2020, 12, 3206; doi:10.3390/cancers12113206

<https://www.mdpi.com/2072-6694/12/11/3206/pdf>

Rebbeck CA, Xian J, Bornelöv S, Geradts J, Hobeika A, Geiger H, Alvarez JF, Rozhkova E, Nicholls A, Robine N, Lysterly HK, Hannon GJ:

Creating a ‘Timeline’ of ductal carcinoma in situ to identify processes and biomarkers for progression towards invasive ductal carcinoma

bioRxiv, 4 Mar 2022, doi: <https://doi.org/10.1101/2022.03.01.482529>

<https://www.biorxiv.org/content/10.1101/2022.03.01.482529v1>

Rebbeck CA, Xian J, Bornelöv S, Geradts J, Hobeika A, Geiger H, Alvarez JF, Rozhkova E, Nicholls A, Robine N, Lysterly HK, Hannon GJ:

Gene expression signatures of individual ductal carcinoma in situ lesions identify processes and biomarkers associated with progression towards invasive ductal carcinoma

Nat Commun. 2022 Jun 13;13(1):3399. doi: 10.1038/s41467-022-30573-4.

<https://www.nature.com/articles/s41467-022-30573-4>

Reddy LA, Mikesch L, Moskaluk CA, Harvey J, Sherman N, Zigino P, Mauch C, Fox JW:
Host response to human breast in situ ductal carcinoma (IDC) as observed by changes in the stromal proteome

J Proteome Res. 2014 Sep 22

<http://dx.doi.org/10.1021/pr500620x>

Refinetti P, Arstad C, Thilly WG, Morgenthaler S, Ekstrøm PO:

Mapping mitochondrial heteroplasmy in a Leydig tumor by laser capture microdissection and cycling temperature capillary electrophoresis

BMC Clinical Pathology (2017) 17:6 DOI 10.1186/s12907-017-0042-3

<https://bmcclinpathol.biomedcentral.com/articles/10.1186/s12907-017-0042-3>

Reid K, Camacho-Vanegas O, Pandya D, Camacho SC, Qiao RF, Kalir T, Padron MM, Beddoe A-M, Dottino P, and Martignetti JA:

DEEP MOLECULAR TRACKING OVER THE 12-YEAR DEVELOPMENT OF ENDOMETRIAL CANCER FROM HYPERPLASIA IN A SINGLE PATIENT - Endometrial hyperplasia to cancer

Cold Spring Harbor Laboratory Press, Oct 30th 2023, from molecularcasestudies.cshlp.org

<https://molecularcasestudies.cshlp.org/content/early/2023/10/16/mcs.a006311.full.pdf>

Ren X, Daa T, Yada N, Kashima K, Fujitomi Y, Yokoyama S:

Expression and mutational status of RON in neoplastic lesions of the breast: analysis of MSP/RON signaling in ductal carcinoma in situ and invasive ductal carcinoma

APMIS, 2011, DOI: 10.1111/j.1600-0463.2011.02841.x

<http://onlinelibrary.wiley.com/doi/10.1111/j.1600-0463.2011.02841.x/full>

Reuter JA, Spacek DV, Pai RK, Snyder MP:

Simul-seq: combined DNA and RNA sequencing for whole-genome and transcriptome profiling

Nat Methods. 2016 Oct 10. doi: 10.1038/nmeth.4028.

<http://dx.doi.org/10.1038/nmeth.4028>

Robinson PS, Coorens THH, Palles C, Mitchell E, Abascal F, Olafsson S, Lee BCH, Lawson ARJ, Lee-Six H, Moore L, Sanders MA, Hewinson J, Martin L, Pinna CMA, Galavotti S, Rahbari R, Campbell PJ, Martincorena I, Tomlinson I, Stratton MR:

Increased somatic mutation burdens in normal human cells due to defective DNA polymerases.

Nat Genet. 2021 Sep 30. doi: 10.1038/s41588-021-00930-y.

<https://www.nature.com/articles/s41588-021-00930-y>

Roessler S, Lin G, Forgues M, Budhu A, Hoover S, Simpson RM, Wu X, He P, Qin LX, Tang ZY, Ye QH, Wang XW:

Integrative Genomic and Transcriptomic Characterization of Matched Primary and Metastatic Liver and Colorectal Carcinoma

Int J Biol Sci 2015; 11(1):88-98. doi:10.7150/ijbs.10583

<http://www.ijbs.com/v11p0088.htm>

Romanens L, Chaskar P, Marcone R, Ryser S, Tille JC, Genolet R, Heimgartner-Hu K, Heimgartner K, Moore JS, Liaudet N, Kaya G, Pittet MJ, Dietrich PY, Delorenzi M, Speiser DE, Harari A, Tsantoulis P, Labidi-Galy SI:

Clonal expansion of intra-epithelial T cells in breast cancer revealed by spatial transcriptomics

Int J Cancer. 2023 Jun 12. doi: 10.1002/ijc.34620.

<https://doi.org/10.1002/ijc.34620>

Romanens L, Chaskar P, Tille J-C, Ryser S, Liaudet N, Hu-Heimgartner K, Heimgartner K, Kaya G, Tsantoulis P, Labidi-Galy SI:

Spatial transcriptomics of tumor microenvironment in formalin-fixed paraffin-embedded breast cancer

bioRxiv 2020.01.31.928143; doi: <https://doi.org/10.1101/2020.01.31.928143>
<https://www.biorxiv.org/content/10.1101/2020.01.31.928143v1>

Rosenberger FA, Thielert M, Strauss MT, Ammar C, Mädler SC, Schweizer L, Metousis A, Skowronek P, Wahle M, Gote-Schniering J, Semenova A, Schiller HB, Rodriguez E, Nordmann TM, Mund A, Mann M:
Spatial single-cell mass spectrometry defines zonation of the hepatocyte proteome

bioRxiv, 3. Dec 2022, doi: <https://doi.org/10.1101/2022.12.03.518957>
<https://doi.org/10.1101/2022.12.03.518957>

Rosenberger FA, Thielert M, Strauss MT, Schweizer L, Ammar C, Mädler SC, Metousis A, Skowronek P, Wahle M, Madden K, Gote-Schniering J, Semenova A, Schiller HB, Rodriguez E, Nordmann TM, Mund A, Mann M:

Spatial single-cell mass spectrometry defines zonation of the hepatocyte proteome.

Nat Methods. 2023 Oct 2. doi: [10.1038/s41592-023-02007-6](https://doi.org/10.1038/s41592-023-02007-6).
<https://doi.org/10.1038/s41592-023-02007-6>

Rovithi M, Avan A, Funel N, Leon LG, Gomez VE, Wurdinger T, Griffioen AW, Verheul HM, Giovannetti E:
Development of bioluminescent chick chorioallantoic membrane (CAM) models for primary pancreatic cancer cells: a platform for drug testing

Sci Rep. 2017 Mar 17;7:44686. doi: [10.1038/srep44686](https://doi.org/10.1038/srep44686).
<http://www.nature.com/articles/srep44686>

Roy E, Wong HY, Villani R, Rouille T, Salik B, Sim SL, Murigneux V, Stark MS, Fink JL, Soyer HP, Walker G, Lyons JG, Saunders N, Khosrotehrani K:

Regional Variation in Epidermal Susceptibility to UV-Induced Carcinogenesis Reflects Proliferative Activity of Epidermal Progenitors

Cell Rep. 2020 Jun 2;31(9):107702. doi: [10.1016/j.celrep.2020.107702](https://doi.org/10.1016/j.celrep.2020.107702).
<https://www.sciencedirect.com/science/article/pii/S2211124720306720>

Ruan W, Sassoon A, An F, Simko JP, Liu B:

Identification of clinically significant tumor antigens by selecting phage antibody library on tumor cells in situ using laser capture microdissection

Mol Cell Proteomics. 2006 Dec;5(12):2364-73.
<http://www.mcponline.org/cgi/pmidlookup?view=long&pmid=16982673>

Rugh KM, Ashton LV, Schaffer PA, Oliver CS:

Lymphoid Aggregates in Canine Cutaneous and Subcutaneous Sarcomas: Immunohistochemical and Gene Expression Evidence for Tertiary Lymphoid Structures

Vet Comp Oncol. 2024 Oct 27. doi: [10.1111/vco.13020](https://doi.org/10.1111/vco.13020).
<https://doi.org/10.1111/vco.13020>

Rummel S, Penatzer CE, Shriver CD, and Ellsworth RE:

PSPHL and breast cancer in African American women: causative gene or population stratification?

BMC Genetics 2014, 15:38 doi:[10.1186/1471-2156-15-38](https://doi.org/10.1186/1471-2156-15-38)
<http://www.biomedcentral.com/content/pdf/1471-2156-15-38.pdf>

Saber A, N Hiltermann TJ, Kok K, Terpstra MM, de Lange K, Timens W, Groen HJ, van den Berg A:

Mutation patterns in small cell and non-small cell lung cancer patients suggests a different level of heterogeneity between primary and metastatic tumors

Carcinogenesis. 2016 Dec 17. pii: bgw128.
<http://carcin.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=27993895>

Saft L, Karimi M, Ghaderi M, Matolcsy A, Mufti GJ, Kulasekararaj A, Göhring G, Giagounidis A, Selleslag D, Muus P, Sanz G, Mittelman M, Bowen D, Porwit A, Fu T, Backstrom J, Fenaux P, MacBeth KJ, and Hellström-Lindberg E:

p53 protein expression independently predicts outcome in patients with lower-risk myelodysplastic syndromes with del(5q)

Haematologica haematol.2013.098103; March 28, 2014, doi:10.3324/haematol.2013.098103
<http://www.haematologica.org/content/early/2014/03/25/haematol.2013.098103.abstract>

Saito T, Mitomi H, Suehara Y, Okubo T, Torigoe T, Takagi T, Kaneko K, Yao T:

A case of de novo secondary malignant giant-cell tumor of bone with loss of heterozygosity of p53 gene that transformed within a short-term follow-up

Pathology - Research and Practice (2011), ISSN 0344-0338, doi:10.1016/j.prp.2011.07.009
<http://www.sciencedirect.com/science/article/pii/S0344033811001701>

Sakashita H, Inoue H, Akamine S, Ishida T, Inase N, Shirao K, Mori M, Mimori K:

Identification of the NEDD4L Gene as a Prognostic Marker by Integrated Microarray Analysis of Copy Number and Gene Expression Profiling in Non-small Cell Lung Cancer

Ann Surg Oncol. 2013 Jun 28.
<http://dx.doi.org/10.1245/s10434-013-3059-6>

Sano S, Akiyoshi T, Yamamoto N, Hiyoshi Y, Mukai T, Yamaguchi T, Nagasaki T, Taketomi A, Fukunaga Y, Kawachi H:

Intratumoral Budding and CD8-positive T-cell Density in Pre-treatment Biopsies as a Predictor of Response to Neoadjuvant Chemoradiotherapy in Advanced Rectal Cancer

Clinical Colorectal Cancer (2023), doi: <https://doi.org/10.1016/j.clcc.2023.07.004>
<https://doi.org/10.1016/j.clcc.2023.07.004>

Sasada T, Hinoi T, Saito Y, Adachi T, Takakura Y, Kawaguchi Y, Sotomaru Y, Sentani K, Oue N, Yasui W, Ohdan H:

Chlorinated Water Modulates the Development of Colorectal Tumors with Chromosomal Instability and Gut Microbiota in Apc-Deficient Mice

PLoS One. 2015 Jul 17;10(7):e0132435. doi: 10.1371/journal.pone.0132435.
<http://dx.plos.org/10.1371/journal.pone.0132435>

Sasaki M, Nitta T, Sato, Y and Nakanuma Y:

Autophagy may occur at an early stage of cholangiocarcinogenesis via biliary intraepithelial neoplasia

Human Pathology, 2014/10/29, doi: 10.1016/j.humpath.2014.09.016; 10.1016/j.humpath.2014.09.016
[http://www.humanpathol.com/article/S0046-8177\(14\)00429-8/abstract](http://www.humanpathol.com/article/S0046-8177(14)00429-8/abstract)

Sato S, Yamamoto H, Mukaisho K, Saito S, Hattori T, Yamamoto G, Sugihara H:

Continuous taurocholic Acid exposure promotes esophageal squamous cell carcinoma progression due to reduced cell loss resulting from enhanced vascular development

PLoS One. 2014 Feb 14;9(2):e88831. doi: 10.1371/journal.pone.0088831. eCollection 2014.
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0088831>

Saito T, Niida A, Uchi R, Hirata H, Komatsu H, Sakimura S, Hayashi S, Nambara S, Kuroda Y, Ito S, Eguchi H, Masuda T, Sugimachi K, Tobo T, Nishida H, Daa T, Chiba K, Shiraishi Y, Yoshizato T, Kodama M, Okimoto T, Mizukami K, Ogawa R, Okamoto K, Shuto M, Fukuda K, Matsui Y, Shimamura T, Hasegawa T, Doki Y, Nagayama S, Yamada K, Kato M, Shibata T, Mori M, Aburatani H, Murakami K, Suzuki Y, Ogawa S, Miyano S, Mimori K:

A temporal shift of the evolutionary principle shaping intratumor heterogeneity in colorectal cancer

Nat Commun. 2018 Jul 23;9(1):2884. doi: 10.1038/s41467-018-05226-0.
<https://www.nature.com/articles/s41467-018-05226-0.pdf>

Sakata-Matsuzawa M, Denda-Nagai K, Fujihira H, Noji M, Ishii-Schrade KB, Matsuda A, Kuno A, Okazaki M, Nakai K, Horimoto Y, Saito M, Irimura T :

Glycans unique to the relapse-prone subset within triple-negative breast cancer as revealed by lectin array-based analysis of surgical specimens

PLoS One. 2021 May 11;16(5):e0250747. doi: 10.1371/journal.pone.0250747. eCollection 2021.
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0250747>

Sakihama K, Koga Y, Yamamoto T, Shimada Y, Yamada Y, Kawata J, Shindo K, Nakamura M, Oda Y:
RNF43 as a predictor of malignant transformation of pancreatic mucinous cystic neoplasm

Virchows Arch. 2022 Jan 23. doi: 10.1007/s00428-022-03277-9.
<https://link.springer.com/article/10.1007/s00428-022-03277-9>

Salles DC, Asrani K, Woo J, Vidotto T, Liu HB, Vidal I, Matoso A, Netto GJ, Argani P, Lotan TL:
GNMB expression identifies TSC1/2/mTOR-associated and MiT family translocation-driven renal neoplasms

J Pathol. 2022 Jan 24. doi: 10.1002/path.5875.
<https://onlinelibrary.wiley.com/doi/pdf/10.1002/path.5875>

Sawada G, Takahashi Y, Niida A, Shimamura T, Kurashige J, Matsumura T, Ueo H, Uchi R, Takano Y, Ueda M, Hirata H, Sakimura S, Shinden Y, Eguchi H, Sudo T, Sugimachi K, Miyano S, Doki Y, Mori M, Mimori K:

Loss of CDCP1 Expression Promotes Invasiveness and Poor Prognosis in Esophageal Squamous Cell Carcinoma

Ann Surg Oncol. 2014 May 22.
<http://link.springer.com/article/10.1245/s10434-014-3740-4>

Sawai Y, Kodama Y, Shimizu T, Ota Y, Maruno T, Eso Y, Kurita A, Shiokawa M, Tsuji Y, Uza N, Matsumoto Y, Masui T, Uemoto S, Marusawa H, Chiba T:

Activation-Induced Cytidine Deaminase Contributes to Pancreatic Tumorigenesis by Inducing Tumor-Related Gene Mutations

Cancer Res. 2015 Aug 15;75(16):3292-301. doi: 10.1158/0008-5472.CAN-14-3028.
<http://cancerres.aacrjournals.org/content/75/16/3292.long>

Schiavo Lena M, Sánchez-Ares M, Brunetto E, Abdulkader-Nallib I, Maggiore R, Barbieri D, Vigone MC, Perticone F, Lanzi R, Presi S, Carrera P, Cangi MG, Arrigoni G, Doglioni C, Cameselle-Teijeiro JM:

Focal High-Grade Areas with a Tumor-in-Tumor Pattern: Another Feature of Pediatric DICER1-Associated Thyroid Carcinoma?

Endocr Pathol. 2025 May 31;36(1):20. doi: 10.1007/s12022-025-09863-2.
<https://doi.org/10.1007/s12022-025-09863-2>

Schultheiss CS, Laggai S, Czepukojc B, Hussein UK, List M, Barghash A, Tierling S, Hosseini K, Golob-Schwarzl N, Pokorny J, Hachenthal N, Schulz M, Helms V, Walter J, Zimmer V, Lammert F, Bohle RM, Dandolo L, Haybaeck J, Kiemer AK, Kessler SM:

The long non-coding RNA H19 suppresses carcinogenesis and chemoresistance in hepatocellular carcinoma

Cell Stress | OCTOBER 2017 | Vol. 1 No. 1
https://www.researchgate.net/profile/Alexandra_Kiemer/publication/320263239_The_long_non-coding_RNA_H19_suppresses_carcinogenesis_and_chemoresistance_in_hepatocellular_carcinoma/links/59dcabb458515e9ab4c8104/The-long-non-coding-RNA-H19-suppresses-carcinogenesis-and-chemoresistance-in-hepatocellular-carcinoma.pdf

Schweizer L, Kenny HA, Krishnan R, Kelliher L, Bilecz AJ, Heide J, Donle L, Shimizu A, Metousis A, Mendoza R, Nordmann TM, Rauch S, Richter S, Yan L, Rosenberger FA, Strauss MT, Kurnit KC, Thielert M, Rodriguez E, Müller-Reif JB, Yamada SD, Theis FJ, Mund A, Lastra RR, Mann M, and Lengyel E:

Spatial proteo-transcriptomic profiling reveals the molecular landscape of borderline ovarian tumors and their invasive progression

Cancer Cell, 26 June 2025

<https://doi.org/10.1016/j.ccell.2025.06.004>

Schweizer L, Krishnan R, Shimizu A, Metousis A, Kenny H, Mendoza R, Nordmann TM, Rauch S, Kelliher L, Heide J, Rosenberger FA, Bilecz A, Borrego SN, Strauss MT, Thielert M, Rodriguez E, Müller-Reif, JB, Chen M, Yamada SD, Mund A, Lastra RR, Mann M, and Lengyei E:

Spatial proteo-transcriptomic profiling reveals the molecular landscape of borderline ovarian tumors and their invasive progression

medRxiv preprint, November 13, 2023

<https://doi.org/10.1101/2023.11.13.23298409>

Scott, M., McCluggage, W.G., Hillan, K.J., Hall, P.A., and Russell, S.E.:

Altered patterns of transcription of the septin gene, SEPT9, in ovarian tumorigenesis

Int J Cancer 118(5): 1325-1329 (2006)

<http://onlinelibrary.wiley.com/doi/10.1002/ijc.21486/full>

Seike, M., Kondo, T., Fujii, K., Okano, T., Yamada, T., Matsuno, Y., Gemma, A., Kudoh, S., and Hirohashi, S.:

Proteomic signatures for histological types of lung cancer

Proteomics 5(11): 2939-2948 (2005)

<http://onlinelibrary.wiley.com/doi/10.1002/pmic.200401166/abstract>

Seki, K., Miyakoshi, S., Lee, G.H., Matsushita, H., Mutoh, Y., Nakase, K., Ida, M., and Taniguchi, H.:

Prostatic acid phosphatase is a possible tumor marker for intravascular large B-cell lymphoma

Am J Surg Pathol 28(10): 1384-1388 (2004)

<http://journals.lww.com/ajsp/pages/articleviewer.aspx?year=2004&issue=10000&article=00016&type=abstract>

Semba R, Eguchi H, Takatsu M, Hashizume T, Moteki H, Maeno K, Murakami F, Watanabe J, Kutomi G, Arai M:

Two-hit events occurred independently in bilateral breast cancers in a germline double heterozygous carrier for BRCA1 and BRCA2

Breast Cancer. 2025 Jul 2. doi: 10.1007/s12282-025-01740-4.

<https://doi.org/10.1007/s12282-025-01740-4>

Semba R, Eguchi H, Takatsu M, Hashizume T, Moteki H, Maeno K, Murakami F, Watanabe J, Kutomi G, Arai M:

Two-hit events occurred independently in bilateral breast cancer of a heterozygous double germline pathogenic variants carrier of BRCA1 and BRCA2

Research Square, 1 Apr 2025

<https://doi.org/10.21203/rs.3.rs-6272927/v1>

Serra M, Pal R, Puliga E, Sulas P, Cabras L, Cusano R, Giordano S, Perra A, Columbano A and Kowalik MA:

mRNA-miRNA networks identify metabolic pathways associated to the anti-tumorigenic effect of thyroid hormone on preneoplastic nodules and hepatocellular carcinoma

Front. Oncol. 12:941552. (2022), doi: 10.3389/fonc.2022.941552

<https://www.frontiersin.org/articles/10.3389/fonc.2022.941552/full>

Seto M, Ohta M, Asaoka Y, Ikenoue T, Tada M, Miyabayashi K, Mohri D, Tanaka Y, Ijichi H, Tateishi K, Kanai F, Kawabe T, Omata M:

Regulation of the hedgehog signaling by the mitogen-activated protein kinase cascade in gastric cancer

Mol Carcinog. 2009 Aug;48(8):703-12
<http://onlinelibrary.wiley.com/doi/10.1002/mc.20516/full>

Sharma P, Chinaranagari S, Patel D, Carey J, Chaudhary J:
Epigenetic inactivation of inhibitor of differentiation 4 (Id4) correlates with prostate cancer
Cancer Med. 2012, 2045-7634
<http://dx.doi.org/10.1002/cam4.16>

Shen SY, Singhanian R, Fehringer G, Chakravarthy A, Roehrl MHA, Chadwick D, Zuzarte PC, Borgida A, Wang TT, Li T, Kis O, Zhao Z, Spreafico A, Medina TDS, Wang Y, Roulois D, Ettayebi I, Chen Z, Chow S, Murphy T, Arruda A, O'Kane GM, Liu J, Mansour M, McPherson JD, O'Brien C, Leighl N, Bedard PL, Fleshner N, Liu G, Minden MD, Gallinger S, Goldenberg A, Pugh TJ, Hoffman MM, Bratman SV, Hung RJ, De Carvalho DD:
Sensitive tumour detection and classification using plasma cell-free DNA methylomes
Nature. 2018 Nov 14. doi: 10.1038/s41586-018-0703-0.
<http://dx.doi.org/10.1038/s41586-018-0703-0>

Shi Y, Li J, Wu YS, Qin L, Jiao FY:
BRAF Mutation Is Associated With the Unique Morphology of Traditional Serrated Adenoma of the Colorectum
Int J Surg Pathol. 2013 Aug 18.
<http://ijs.sagepub.com/content/early/2013/08/16/1066896913499628.abstract>

Shia J, Sanchez-Vega F, Cho S, Chen JF, Chen CT, Bhanot U, Urganci N, Firat C, Ntiamoah P, Isidro RA, Srivastava A, Weiser MR, Mandelker D, Vakiani E, Boland CR, Garcia-Aguilar J, Stadler ZK:
MSH6-proficient crypt foci in MSH6 constitutional mismatch repair deficiency: reversion of a frameshifted coding microsatellite to its wild-type sequence
Fam Cancer. 2024 Oct 10. doi: 10.1007/s10689-024-00423-x.
<https://doi.org/10.1007/s10689-024-00423-x>

Shieh, D.B., Chou, W.P., Wei, Y.H., Wong, T.Y., and Jin, Y.T.:
Mitochondrial DNA 4,977-bp deletion in paired oral cancer and precancerous lesions revealed by laser microdissection and real-time quantitative PCR
Ann N Y Acad Sci 1011: 154-167 (2004)
<http://onlinelibrary.wiley.com/doi/10.1196/annals.1293.016/full>

Shieh, Y.S., Shiah, S.G., Jeng, H.H., Lee, H.S., Wu, C.W., and Chang, L.C.:
DNA methyltransferase 1 expression and promoter methylation of E-cadherin in mucoepidermoid carcinoma
Cancer 104(5): 1013-1021 (2005)
<http://onlinelibrary.wiley.com/doi/10.1002/cncr.21278/full>

Shimada Y, Yamamoto T, Shindo K, Nakanishi Y, Matsumoto T, Noguchi S, Aishima S, Nakamura M, Oda Y:
Clinicopathologic and Genomic Features of Gastric-Type Intraductal Papillary Neoplasm of the Bile Duct: Potential Role of STK11 in Malignant Progression
Am J Surg Pathol. 2025 Jul 11. doi: 10.1097/PAS.0000000000002451.
<https://doi.org/10.1097/PAS.0000000000002451>

Shimura M, Mizuma M, Takadate T, Katoh Y, Suzuki T, Iseki M, Hata T, Aoki S, Suzuki Y, Sakata N, Ohtsuka H, Hayashi H, Morikawa T, Nakagawa K, Motoi F, Naitoh T, Igarashi K, Sasano H, Unno M:
A novel liver metastasis-correlated protein of pancreatic neuroendocrine neoplasm (PanNEN) discovered by proteomic analysis
Oncotarget. 2018; 9:24291-24303.
<https://doi.org/10.18632/oncotarget.25110>

Shin E, Lee Y, Koo JS:

Differential expression of the epigenetic methylation-related protein DNMT1 by breast cancer molecular subtype and stromal histology

J Transl Med. 2016 Apr 12;14(1):87. doi: 10.1186/s12967-016-0840-x.

<http://translational-medicine.biomedcentral.com/articles/10.1186/s12967-016-0840-x>

Shin H-Y:

Tetraspanin 1 promotes endometriosis leading to ovarian clear cell carcinoma

Thesis, 2021

<https://ir.ymlib.yonsei.ac.kr/bitstream/22282913/189764/1/T015188.pdf>

Shin K, Lim A, Odegaard JI, Honeycutt JD, Kawano S, Hsieh MH, Beachy PA:

Cellular origin of bladder neoplasia and tissue dynamics of its progression to invasive carcinoma

Nat Cell Biol. 2014 Apr 20. doi: 10.1038/ncb2956.

<http://dx.doi.org/10.1038/ncb2956>

Shitara D, Tell-Martí G, Badenas C, Enokihara MM, Alós L, Larque AB, Michalany N, Puig-Butille J, Carrera C, Malveyh J, Puig S, Bagatin E:

Mutational status of nevus associated-melanomas

Br J Dermatol. 2015 Apr 9. doi: 10.1111/bjd.13829.

<http://dx.doi.org/10.1111/bjd.13829>

Shriver CD, Hueman MT, Ellsworth RE

Molecular signatures of lymph node status by intrinsic subtype: gene expression analysis of primary breast tumors from patients with and without metastatic lymph nodes

J Exp Clin Cancer Res. 2014 Dec 31;33(1):782.

<http://www.jeccr.com/content/33/1/782>

Shu DH, Ho WJ, Kagohara LT, Girgis A, Shin SM, Danilova L, Lee JW, Sidiropoulos DN, Mitchell S, Munjal K, Howe K, Bendinelli KJ, Kartalia E, Qi H, Mo G, Montagne J, Leatherman JM, Lopez-Vidal TY, Zhu Q, Huff AL, Yuan X, Hernandez A, Coyne EM, Zaidi N, Zabransky DJ, Engle LL, Ogurtsova A, Baretti M, Laheru D, Durham JN, Wang H, Sunshine JC, Johnston RJ, Deutsch JS, Taube JM, Anders RA, Jaffee EM, Fertig EJ, Yarchoan M:

Immunotherapy response induces divergent tertiary lymphoid structure morphologies in hepatocellular carcinoma

Nat Immunol. 2024 Oct 25. doi: 10.1038/s41590-024-01992-w.

<https://doi.org/10.1038/s41590-024-01992-w>

Siddon A, Lozovatsky L, Mohamed A, Hudnall SD:

Human herpesvirus 6 positive Reed-Sternberg cells in nodular sclerosis Hodgkin lymphoma

Br J Haematol. 2012 Jul 4. doi: 10.1111/j.1365-2141.2012.09206.x.

<http://dx.doi.org/10.1111/j.1365-2141.2012.09206.x>

Singh N, Faruqi A, Kommoss F, McCluggage WG, Trevisan G, Senz J, Lum A, Gilks CB, Anglesio M:

Extrauterine high-grade serous carcinomas with bilateral adnexal involvement as the only two disease sites are clonal based on tp53 sequencing results: implications for biology, classification, and staging

Mod Pathol. 2017 Nov 17. doi: 10.1038/modpathol.2017.159.

<http://dx.doi.org/10.1038/modpathol.2017.159>

Skalicky S, Zwiers PJ, Kuiper T, Schraml E, Hackl M, Molema G:

Combining laser microdissection and microRNA expression profiling to unmask microRNA signatures in complex tissues

Biotechniques. 2019 Oct 17. doi: 10.2144/btn-2019-0032.

<https://www.future-science.com/doi/pdf/10.2144/btn-2019-0032>

Soltis AR, Bateman NW, Liu J, Nguyen T, Franks TJ, Zhang X, Dalgard CL, Viollet C, Somiari S, Yan C, Zeman K, Skinner WJ, Lee JSH, Pollard HB, Turner C, Petricoin EF, Meerzaman D, Conrads TP, Hu H; APOLLO Research Network, Shriver CD, Moskaluk CA, Browning RF Jr, Wilkerson MD:

Proteogenomic analysis of lung adenocarcinoma reveals tumor heterogeneity, survival determinants, and therapeutically relevant pathways

Cell Rep Med. 2022 Nov 15;3(11):100819. doi: 10.1016/j.xcrm.2022.100819.

<https://doi.org/10.1016/j.xcrm.2022.100819>

Somiari, R.I., Somiari, S., Russell, S., and Shriver, C.D.:

Proteomics of breast carcinoma

J Chromatogr B Analyt Technol Biomed Life Sci 815(1-2): 215-225 (2005)

<http://dx.doi.org/10.1016/j.jchromb.2004.11.012>

Song JY, Eberle FC, Xi L, Raffeld M, Rahma O, Wilson WH, Dunleavy K, Pittaluga S, Jaffe ES:

Coexisting and Clonally Identical Classic Hodgkin Lymphoma and Nodular Lymphocyte Predominant Hodgkin Lymphoma

Am J Surg Pathol. 2011 May;35(5):767-72.

http://journals.lww.com/ajsp/Abstract/2011/05000/Coexisting_and_Clonally_Identical_Classic_Hodgkin.18.aspx

Song M, Xie H, Liu W, Zhao M, Deng Z, Zhang L, Liu H, Huang Y, Li H, Ren Y, Chen C:

Characterization of the evolution trajectory and immune profiling of new histologic patterns in lung adenocarcinoma

J Gene Med. 2022 Oct 4:e3455. doi: 10.1002/jgm.3455.

<https://doi.org/10.1002/jgm.3455>

Song Q, Qin S, Pascal LE, Zou C, Wang W, Tong H, Zhang J, Catalona WJ, Dhir R, Morrell M, Balasubramani GK, Lu Y, Wang Z:

SIRPB1 promotes prostate cancer cell proliferation via Akt activation

Prostate. 2020 Jan 6. doi: 10.1002/pros.23950.

<https://doi.org/10.1002/pros.23950>

Sonoda A, Mukaisho KI, Nakayama T, Diem VT, Hattori T, Andoh A, Fujiyama Y, Sugihara H

Genetic lineages of undifferentiated-type gastric carcinomas analysed by unsupervised clustering of genomic DNA microarray data

BMC Med Genomics. 2013 Jul 19;6(1):25.

<http://www.biomedcentral.com/content/pdf/1755-8794-6-25.pdf>

Souda M, Umekita Y, Abeyama K, Yoshida H:

Gene expression profiling during rat mammary carcinogenesis induced by 7,12-dimethylbenz[a]anthracene

Int J Cancer. 2009 Sep 15;125(6):1285-97.

<http://onlinelibrary.wiley.com/doi/10.1002/ijc.24396/full>

Sowamber R, Nelson O, Dodds L, DeCastro V, Paudel I, Milea A, Considine M, Cope L, Pinto A, Schlumberg M, Slomovitz B, Shaw PA, George SHL:

Integrative Transcriptome Analyses of the Human Fallopian Tube: Fimbria and Ampulla-Site of Origin of Serous Carcinoma of the Ovary

Cancers (Basel). 2020 Apr 27;12(5). pii: E1090. doi: 10.3390/cancers12051090.

<http://www.mdpi.com/resolver?pii=cancers12051090>

Stone A:

An Explainable Artificial Intelligence Approach to Differentiate Breast Cancer Morphologies

Between Racial Groups

Thesis, 2022, All Theses. 3826.

https://tigerprints.clemson.edu/all_theses/3826

Stratton M, Leung SY, Wang Y, Robinson P, Thomas L, West H, Sampson J, Jung H, Fitzgerald S, Lee-Six H, Coorens T, Olafsson S, Lawson A, Hooks Y, Allen L, Roberts K, Yuen ST, Yan H, Foo CC, Lee B, Chan A, Chan A, Tsui W, Giger O, Martincorena I, Campbell:

The earliest stages of neoplastic transformation in Familial Adenomatous Polyposis

Research Square, 22. May 2025

<https://doi.org/10.21203/rs.3.rs-6581155/v1>

Sturtz LA, Melley J, Mamula K, Shriver CD, Ellsworth RE:

Outcome disparities in African American women with triple negative breast cancer: a comparison of epidemiological and molecular factors between African American and Caucasian women with triple negative breast cancer

BMC Cancer. 2014 Feb 4;14(1):62. doi: 10.1186/1471-2407-14-62

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3916697/>

Sturtz LA, Wang G, Shah P, Searfoss R, Raj-Kumar P-K, Hooke JA, Fantacone-Campbell JL, Deyarmin B, Cutler ML, Sarangarajan R, Narain NR, Kiebish MA, Kovatich AJ, Shriver CD:

Comparative analysis of differentially abundant proteins quantified by LC-MS/MS between flash frozen and laser microdissected OCT-embedded breast tumor samples

Clin Proteom 17, 40 (7 Nov 2020).

<https://doi.org/10.1186/s12014-020-09300-y>

Su S, and Li X:

Dive into Single, Seek Out Multiple: Probing Cancer Metastases via Single-Cell Sequencing and Imaging Techniques

Cancers 2021, 13(5), 1067; <https://doi.org/10.3390/cancers13051067>

<https://www.mdpi.com/2072-6694/13/5/1067>

Su Y, Bidlingmaier S, Lee NK, Liu B:

Combine Phage Antibody Display Library Selection on Patient Tissue Specimens with Laser Capture Microdissection to Identify Novel Human Antibodies Targeting Clinically Relevant Tumor Antigens

Methods Mol Biol. 2018;1701:331-347. doi: 10.1007/978-1-4939-7447-4_18.

https://link.springer.com/protocol/10.1007/978-1-4939-7447-4_18

Su Z, Zhang H, Hu H, Yang Y, Huang C, Liu C, He F, Chen W:

High-Efficiency Cell-Type Proteomics Strategy Deciphers Cholangiocarcinoma Fibrosis-Associated Pathological Heterogeneity

Anal Chem. 2025 Mar 3. doi: 10.1021/acs.analchem.4c06106.

<https://doi.org/10.1021/acs.analchem.4c06106>

Suarez-Carmona M1, Bourcy M, Lesage J, Leroi N, Syne L, Blacher S, Huber P, Erpicum C, Foidart JM, Delvenne P, Birembaut P, Noël A, Polette M, Gilles C:

Soluble factors regulated by epithelial-mesenchymal transition mediate tumour angiogenesis and myeloid cell recruitment

J Pathol. 2015 Apr 16. doi: 10.1002/path.4546.

<http://dx.doi.org/10.1002/path.4546>

Suda K, Takahashi K, Tamura R, Saito K, Yamaguchi M, Yachida N, Adachi S, Kase H, Okuda S, Yoshihara K, and Nakaoka H:

Mutation profile and chromosomal abnormality in adenomyosis

Reproduction, 07 Jul 2025, REP-25-0132

<https://doi.org/10.1530/REP-25-0132>

Sudo T, Iwaya T, Nishida N, Sawada G, Takahashi Y, Ishibashi M, Shibata K, Fujita H, Shirouzu K, Mori M, Mimori K:

Expression of Mesenchymal Markers Vimentin and Fibronectin: The Clinical Significance in Esophageal Squamous Cell Carcinoma

Ann Surg Oncol. 2012 May 30. [Epub ahead of print]

<http://www.springerlink.com/content/b2360668h64gu7h3/>

Sugimoto T, Ohta M, Ikenoue T, Yamada A, Tada M, Fujishiro M, Ogura K, Yamaji Y, Okamoto M, Kanai F, Kawabe T, Omata M:

Macroscopic morphologic subtypes of laterally spreading colorectal tumors showing distinct molecular alterations

Int J Cancer. 2010 Oct 1;127(7):1562-9

<http://onlinelibrary.wiley.com/doi/10.1002/ijc.25180/full>

Sukata T, Uwagawa S, Ozaki K, Sumida K, Kushida M, Kakehashi A, Wanibuchi H, Miyata K, Ogata K and Fukushima S:

Characteristic Upregulation of Glucose-Regulated Protein 78 in an Early Lesion Negative for Hitherto Established Cytochemical Markers in Rat Hepatocarcinogenesis

Journal of Toxicologic Pathology 22(4): pp.281

http://www.jstage.jst.go.jp/article/tox/22/4/22_281/article

Sumino J, Uzawa N, Okada N, Miyaguchi K, Mogushi K, Takahashi KI, Sato H, Michikawa C, Nakata Y, Tanaka H, Amagasa T:

Gene expression changes in initiation and progression of oral squamous cell carcinomas revealed by laser microdissection and oligonucleotide microarray analysis

Int J Cancer. 2012 Jun 28. doi: 10.1002/ijc.27702.

<http://dx.doi.org/10.1002/ijc.27702>

Sunde, J.S., Donninger, H., Wu, K., Johnson, M.E., Pestell, R.G., Rose, G.S., Mok, S.C., Brady, J., Bonome, T., and Birrer, M.J.:

Expression Profiling Identifies Altered Expression of Genes That Contribute to the Inhibition of Transforming Growth Factor- β Signaling in Ovarian Cancer

Cancer Res 66(17): 8404-8412 (2006)

<http://cancerres.aacrjournals.org/content/66/17/8404.long>

Sugimachi K, Yokobori T, Iinuma H, Ueda M, Ueo H, Shinden Y, Eguchi H, Sudo T, Suzuki A, Maehara Y, Mori M, Mimori K:

Aberrant Expression of Plastin-3 Via Copy Number Gain Induces the Epithelial-Mesenchymal Transition in Circulating Colorectal Cancer Cells

Ann Surg Oncol. 2013 Nov 12.

<http://link.springer.com/article/10.1245%2Fs10434-013-3366-y>

Sugiura F, Inoue K, Okuno K, Sukegawa Y:

Clinical study of Peptide-cocktail vaccination with tegafur-uracil/leucovorin for advanced colorectal cancer.

Gan To Kagaku Ryoho. 2012 Nov;39(12):1760-2. (Article in Japanese)

<http://www.pieronline.jp/content/article/0385-0684/39120/1760>

Sui Y, Zhu R, Hu W, Zhang W, Zhu H, Gong M, Gao L, Cao T, Tang T, Yu B, Yang T:

Phage display screening identifies a prostate specific antigen (PSA)-/lo prostate cancer cell specific peptide to retard castration resistance of prostate cancer

Transl Oncol. 2021 Jan 25;14(3):101020. doi: 10.1016/j.tranon.2021.101020.

<https://www.sciencedirect.com/science/article/pii/S1936523321000127>

Suzuki, S., Asamoto, M., Tsujimura, K., and Shirai, T.:

Specific differences in gene expression profile revealed by cDNA microarray analysis of glutathione S-transferase placental form (GST-P) immunohistochemically positive rat liver foci and surrounding tissue

Carcinogenesis 25(3): 439-443 (2004)

<http://carcin.oxfordjournals.org/content/25/3/439.long>

Suzuki Y, Takadate T, Mizuma M, Shima H, Suzuki T, Tachibana T, Shimura M, Hata T, Iseki M, Kawaguchi K, Aoki T, Hayashi H, Morikawa T, Nakagawa K, Motoi F, Naitoh T, Igarashi K, Unno M:

Stromal expression of hemopexin is associated with lymph-node metastasis in pancreatic ductal adenocarcinoma

PLoS One. 2020 Jul 14;15(7):e0235904. doi: 10.1371/journal.pone.0235904. eCollection 2020.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0235904>

Svec J, Ergang P, Mandys V, Kment M, Pácha J:

Expression profiles of proliferative and antiapoptotic genes in sporadic and colitis-related mouse colon cancer models

Int J Exp Pathol 91(1):44-53 (2010)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2613.2009.00698.x/full>

Swarts DRA, Voorham QJM, van Splunter AP, Wilting SM, Sie D, Pronk D, van Beurden M, Heideman DAM, Snijders PJF, Meijer CJLM, Steenbergen RDM, Bleeker MCG:

Molecular heterogeneity in human papillomavirus-dependent and -independent vulvar carcinogenesis

Cancer Med. 2018 Jul 20. doi: 10.1002/cam4.1633.

<https://doi.org/10.1002/cam4.1633>

Sweet S, Chain D, Yu W, Martin P, Rebelatto M, Chambers A, Cecchi F, Kim YJ:

High-Field Asymmetric Waveform Ion Mobility Spectrometry and Parallel Reaction Monitoring Increases Sensitivity for Clinical Biomarker Quantitation from Formalin-Fixed, Paraffin-Embedded Tumor Biopsies

bioRxiv, 10 Feb 2022, doi: <https://doi.org/10.1101/2022.02.08.479554>

<https://www.biorxiv.org/content/10.1101/2022.02.08.479554v1>

Sweet S, Chain D, Yu W, Martin P, Rebelatto M, Chambers A, Cecchi F, Kim YJ:

The addition of FAIMS increases targeted proteomics sensitivity from FFPE tumor biopsies

Sci Rep. 2022 Aug 16;12(1):13876. doi: 10.1038/s41598-022-16358-1.

<https://www.nature.com/articles/s41598-022-16358-1>

Szekerczés T, Galamb Á, Varga N, Benczik M, Kocsis A, Schlachter K, Kiss A, Ács N, Schaff Z, Jeney C, Lendvai G, Sobel G:

Increased miR-20b Level in High Grade Cervical Intraepithelial Neoplasia

Pathol Oncol Res. 2020 Jul 8. doi: 10.1007/s12253-020-00852-w.

<https://link.springer.com/article/10.1007/s12253-020-00852-w>

Tada M, Kanai F, Tanaka Y, Sanada M, Nannya Y, Tateishi K, Ohta M, Asaoka Y, Seto M, Imazeki F, Yoshida H, Ogawa S, Yokosuka O, Omata M:

Prognostic significance of genetic alterations detected by high-density single nucleotide polymorphism array in gastric cancer

Cancer Sci. 2010 May;101(5):1261-9

<http://onlinelibrary.wiley.com/doi/10.1111/j.1349-7006.2010.01500.x/full>

Taga M, Eguchi H, Shinohara T, Takahashi K, Ito R, Yasui W, Nakachi K, Kusunoki Y, Hamatani K:

Improved PCR amplification for molecular analysis using DNA from long-term preserved formalin-fixed, paraffin-embedded lung cancer tissue specimens

Int J Clin Exp Pathol 2013;6(1):76-79, www.ijcep.com /ISSN:1936-2625/IJCEP1209008

<http://www.ijcep.com/files/ijcep1209008.pdf>

Tahara S, Nojima S, Ohshima K, Hori Y, Sato K, Kurashige M, Matsui T, Okuzaki D, Morii E:
Nicotinamide N-methyltransferase is related to MELF pattern invasion in endometrioid carcinoma.
Cancer Med. 2021 Oct 16. doi: 10.1002/cam4.4359.

<https://onlinelibrary.wiley.com/doi/full/10.1002/cam4.4359>

Tajima Y, Eguchi H, Chika N, Nagai T, Dechamethakun S, Kumamoto K, Tachikawa T, Akagi K, Tamaru JI, Seki H, Okazaki Y, Ishida H:

Prevalence and molecular characteristics of defective mismatch repair epithelial ovarian cancer in a Japanese hospital-based population

Jpn J Clin Oncol. 2018 Jun 8. doi: 10.1093/jjco/hyy081.

<https://academic.oup.com/jjco/article-lookup/doi/10.1093/jjco/hyy081>

Takadate T, Onogawa T, Fujii K, Motoi F, Mikami S, Fukuda T, Kihara M, Suzuki T, Takemura T, Minowa T, Hanagata N, Kinoshita K, Morikawa T, Shirasaki K, Rikiyama T, Katayose Y, Egawa S, Nishimura T and Unno M:

Nm23/Nucleoside Diphosphate Kinase-A as a Potent Prognostic marker in Invasive Pancreatic Ductal Carcinoma Identified by Proteomic Analysis of Laser Micro-dissected Formalin-Fixed Paraffin-Embedded Tissue

Clinical Proteomics 2012, 9:8 doi:10.1186/1559-0275-9-8

<http://www.clinicalproteomicsjournal.com/content/9/1/8/abstract>

Takadate T, Onogawa T, Fukuda T, Motoi F, Suzuki T, Fujii K, Kihara M, Mikami S, Bando Y, Maeda S, Ishida K, Minowa T, Hanagata N, Ohtsuka H, Katayose Y, Egawa S, Nishimura T, Unno M:

Novel prognostic protein markers of resectable pancreatic cancer identified by coupled shotgun and targeted proteomics using formalin-fixed paraffin-embedded tissues

Int J Cancer. 2012 Aug 23. doi: 10.1002/ijc.27797.

<http://dx.doi.org/10.1002/ijc.27797>

Takahashi H, Ishikawa T, Ishiguro M, Okazaki S, Mogushi K, Kobayashi H, Iida S, Mizushima H, Tanaka H, Uetake H, Sugihara K:

Prognostic significance of Traf2- and Nck- interacting kinase (TNIK) in colorectal cancer

BMC Cancer. 2015 Oct 24;15:794. doi: 10.1186/s12885-015-1783-y.

<http://www.biomedcentral.com/1471-2407/15/794>

Takahashi Y, Sawada G, Kurashige J, Uchi R, Matsumura T, Ueo H, Takano Y, Eguchi H, Sudo T, Sugimachi K, Yamamoto H, Doki Y, Mori M, Mimori K:

Amplification of PVT-1 is involved in poor prognosis via apoptosis inhibition in colorectal cancers

Br J Cancer. 2013 Nov 5. doi: 10.1038/bjc.2013.698.

<http://www.nature.com/bjc/journal/vaop/ncurrent/full/bjc2013698a.html>

Takahashi Y, Sawada G, Sato T, Kurashige J, Mima K, Matsumura T, Uchi R, Ueo H, Ishibashi M, Takano Y, Akiyoshi S, Eguchi H, Sudo T, Sugimachi K, Tanaka JI, Kudo SE, Doki Y, Mori M, Mimori K:

Microarray analysis reveals that high mobility group A1 is involved in colorectal cancer metastasis

Oncol Rep. 2013 Jul 8. doi: 10.3892/or.2013.2602.

<http://www.spandidos-publications.com/10.3892/or.2013.2602>

Takami T, Kaposi-Novak P, Uchida K, Gomez-Quiroz LE, Conner EA, Factor VM, Thorgeirsson SS:

Loss of hepatocyte growth factor/c-Met signaling pathway accelerates early stages of N-nitrosodiethylamine induced hepatocarcinogenesis

Cancer Res. 2007 Oct 15;67(20):9844-51.

<http://cancerres.aacrjournals.org/cgi/lookup?view=long&pmid=17942915>

Takane K, Cai T, Noguchi R, Gohda Y, Ikenoue T, Yamaguchi K, Ota Y, Kiyomatsu T, Yano H, Fukuyo M, Seki M, Bahityar R, Kaneda A, Furukawa Y:

Genome-wide analysis of DNA methylation in pseudomyxoma peritonei originated from appendiceal neoplasms

Oncology. 2024 Jan 23. doi: 10.1159/000536219.

<https://doi.org/10.1159/000536219>

Takasu S, Ishii Y, Kijima A, Ogawa K, Nakane S, Umemura T:

Furan Induced Characteristic Glutathione S-Transferase Placental Form-Positive Foci in Terms of Cell Kinetics and Gene Expression

Toxicol Pathol. 2020 Aug 24:192623320948782. doi: 10.1177/0192623320948782.

<https://journals.sagepub.com/doi/abs/10.1177/0192623320948782>

Takenami T, Maeda S, Karasawa H, Suzuki T, Furukawa T, Morikawa T, Takadate T, Hayashi H, Nakagawa K, Motoi F, Naitoh T, Unno M:

Novel biomarkers distinguishing pancreatic head Cancer from distal cholangiocarcinoma based on proteomic analysis

BMC Cancer. 2019 Apr 5;19(1):318. doi: 10.1186/s12885-019-5548-x.

<https://bmccancer.biomedcentral.com/articles/10.1186/s12885-019-5548-x>

Takeshita T, Iwase H:

dPCR Mutational Analyses in Cell-Free DNA: A Comparison with Tissues

Methods Mol Biol. 2019;1909:105-118. doi: 10.1007/978-1-4939-8973-7_8.

https://link.springer.com/protocol/10.1007/978-1-4939-8973-7_8

Takeshita T, Yamamoto Y, Yamamoto-Ibusuki M, Inao T, Sueta A, Fujiwara S, Omoto Y, and Iwase H:

Droplet digital polymerase chain reaction assay for screening of ESR1 mutations in 325 breast cancer specimens

Translational Research, Sep 14, doi:10.1016/j.trsl.2015.09.003

<http://www.sciencedirect.com/science/article/pii/S1931524415003060>

Takeshita T, Yamamoto Y, Yamamoto-Ibusuki M, Tomiguchi M, Sueta A, Murakami K, Omoto Y, Iwase H:
Comparison of ESR1 Mutations in Tumor Tissue and Matched Plasma Samples from Metastatic Breast Cancer Patients

Transl Oncol. 2017 Jul 31;10(5):766-771. doi: 10.1016/j.tranon.2017.07.004.

<http://www.sciencedirect.com/science/article/pii/S1936523317301523>

Takizawa S, Sakiyama K, Bando Y, Inoue K, Sakashita H, Ogasawara Y, Amano O, Sakashita H:

Influence of high mobility group box 1 (HMGB1) derived from SCC7 cells on mouse normal tongue muscle fibers

Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology, 2018 May 3, ISSN 2212-5558

<https://www.sciencedirect.com/science/article/pii/S2212555818300504>

Tamaki T, Iwakawa M, Ohno T, Imadome K, Nakawatari M, Sakai M, Tsujii H, Nakano T, Imai T:

Application of carbon-ion beams or gamma-rays on primary tumors does not change the expression profiles of metastatic tumors in an in vivo murine model

Int J Radiat Oncol Biol Phys 74(1):210-8 (2009)

<http://www.redjournal.org/article/S0360-3016%2809%2900091-1/abstract>

Tan S, Sood A, Rahimi H, Wang W, Gupta N, Hicks J, Mosier S, Gocke CD, Epstein JI, Netto GJ, Liu W, Isaacs WB, De Marzo AM, Lotan T:

Rb Loss is Characteristic of Prostatic Small Cell Neuroendocrine Carcinoma

Clin Cancer Res. 2013 Dec 9.

<http://clincancerres.aacrjournals.org/cgi/pmidlookup?view=long&pmid=24323898>

Tan X, Liao L, Wan YP, Li MX, Chen SH, Mo WJ, Zhao QL, Huang LF, Zeng GQ:
Downregulation of selenium-binding protein 1 is associated with poor prognosis in lung squamous cell carcinoma

World J Surg Oncol. 2016 Mar 8;14(1):70. doi: 10.1186/s12957-016-0832-6.
<http://wjso.biomedcentral.com/articles/10.1186/s12957-016-0832-6>

Tan YC, Low TY, Lee PY, Lim LC:

Single-cell proteomics by mass spectrometry: Advances and implications in cancer research

Proteomics. 2024 May 10:e2300210. doi: 10.1002/pmic.202300210.

<https://doi.org/10.1002/pmic.202300210>

Tanaka M, Matsumura M, Okudela K, Mitsui H, Tateishi Y, Umeda S, Suzuki T, Koike C, Kataoka T, Kawano N, Kojima Y, Osawa H, Ohashi K:

Pulmonary melanocytic nevus - A case report with a mutation analysis of common driver oncogenes

Pathol Int. 2019 Sep 25. doi: 10.1111/pin.12850.

<https://onlinelibrary.wiley.com/doi/pdf/10.1111/pin.12850>

Tanakaya K, Kumamoto K, Tada Y, Eguchi H, Ishibashi K, Idani H, Tachikawa T, Akagi K, Okazaki Y, Ishida H:

A germline MBD4 mutation was identified in a patient with colorectal oligopolyposis and early-onset cancer: A case report

Oncol Rep. 2019 Jul 17. doi: 10.3892/or.2019.7239.

<https://www.spandidos-publications.com/10.3892/or.2019.7239>

Tancredi M, Sensi E, Cipollini G, Aretini P, Lombardi G, Di Cristofano C, Presciuttini S, Bevilacqua G, Caligo MA:

Haplotype analysis of BRCA1 gene reveals a new gene rearrangement: characterization of a 19.9 KBP deletion

Eur J Hum Genet 12(9): 775-777 (2004)

<http://www.nature.com/ejhg/journal/v12/n9/full/5201223a.html>

Tadano T, Kakuta Y, Hamada S, Shimodaira Y, Kuroha M, Kawakami Y, Kimura T, Shiga H, Endo K, Masamune A, Takahashi S, Kinouchi Y, Shimosegawa T:

MicroRNA-320 family is downregulated in colorectal adenoma and affects tumor proliferation by targeting CDK6

World J Gastrointest Oncol. 2016 Jul 15;8(7):532-42. doi: 10.4251/wjgo.v8.i7.532.

<http://www.wjgnet.com/1948-5204/full/v8/i7/532.htm>

Tao Y, Hart J, Lichtenstein L, Joseph LJ, Ciancio MJ, Hu S, Chang EB, Bissonnette M:

Inducible heat shock protein 70 prevents multifocal flat dysplastic lesions and invasive tumors in an inflammatory model of colon cancer

Carcinogenesis 30(1):175-82 (2009)

<http://carcin.oxfordjournals.org/content/30/1/175.short>

Tasioudi KE, Saetta AA, Sakellariou S, Levidou G, Michalopoulos NV, Theodorou D, Patsouris E, Korkolopoulou P:

pERK activation in esophageal carcinomas: Clinicopathological associations

Pathol Res Pract. 2012 Jun 1. [Epub ahead of print]

<http://www.sciencedirect.com/science/article/pii/S0344033812001331>

Tekin B, Dasari S, Theis JD, Vrana JA, Murray DL, Oglesbee D, Thompson RH, Leibovich BC, Boorjian SA, Whaley RD, Hernandez LH, Jimenez RE, Cheville JC, Karnes RJ, Sukov WR, Gupta S:

Mass Spectrometry-Based Assessment of Prostate Cancer-Associated Crystalloids Reveals Enrichment for Growth & Differentiation Factor 15 (GDF15)

Hum Pathol. 2023 Mar 9:S0046-8177(23)00050-3. doi: 10.1016/j.humpath.2023.03.001.
<https://doi.org/10.1016/j.humpath.2023.03.001>

Teske K, Erickson NA, Huck A, Dzamukova M, Fulde M, Heinbokel T, Horst D, Klymiuk N, Pastille E, Mekes-Adamczyk A, Löhning M, Gruber AD, Glauben R, Mundhenk L:

The impact of disease and species differences on the intestinal CLCA4 gene expression

J Mol Med (Berl). 2025 Apr 12. doi: 10.1007/s00109-025-02538-9.
<https://doi.org/10.1007/s00109-025-02538-9>

Thi-Ngoc Vo D, Nakayama T, Yamamoto H, Mukaisho K, Hattori T and Sugihara H:

**P
roggression risk assessments of individual non-invasive gastric neoplasms by genomic copy-number profile and mucin phenotype**

BMC Medical Genomics 18 Feb 2015, 8:6 doi:10.1186/s12920-015-0080-6
<http://www.biomedcentral.com/1755-8794/8/6/abstract>

Thomsen CB, Fredslund Andersen R, Jensen LH, Jakobsen A, and Frøstrup Hansen T:

The Clinical Impact of MicroRNA-21 in Low Rectal Cancer Treated with High-Dose Chemoradiotherapy in the Organ Preserving Setting

Gastrointest. Disord. 2020, 2(4), 378-384
<https://www.mdpi.com/2624-5647/2/4/34>

Toffalorio F, Santarpia M, Radice D, Jaramillo CA, Spitaleri G, Manzotti M, Catania C, Jordheim LP, Pelosi G, Peters GJ, Tibaldi C, Funel N, Spaggiari L, de Braud F, de Pas T, Giovanetti E:

5'-nucleotidase cN-II emerges as a new predictive biomarker of response to gemcitabine/platinum combination chemotherapy in non-small cell lung cancer

Oncotarget, Advance Publications, 15 Feb. 2018
https://www.researchgate.net/profile/Elisa_Giovanetti/publication/323221452_5%27-nucleotidase_cN-II_emerges_as_a_new_predictive_biomarker_of_response_to_gemcitabine_platinum_combination_chemotherapy_in_non-small_cell_lung_cancer/links/5aa0ea17aca272d448b2d3e8/5-nucleotidase-cN-II-emerges-as-a-new-predictive-biomarker-of-response-to-gemcitabine-platinum-combination-chemotherapy-in-non-small-cell-lung-cancer.pdf

Toraih EA, Hussein MH, Ageeli EA, Ellaban M, Kattan SW, Moroz K, Fawzy MS, and Kandil E :

Matrix Metalloproteinase 9/microRNA-145 Ratio: Bridging Genomic and Immunological Variabilities in Thyroid Cancer

Biomedicines 2023, 11, 2953.
<https://doi.org/10.3390/biomedicines11112953>

Toriyama K, Masago K, Shibata N, Haneda M, Kuwahara T, Natsume S, Kobayashi S, Fujita Y, Sasaki E, Yamao K, Kawashima H, Shimizu Y, Hara K, Yatabe Y, Hosoda W:

Clinicopathological and molecular characterization of KRAS wild-type pancreatic ductal adenocarcinomas reveals precursor lesions with oncogenic mutations and fusions in RAS pathway genes

J Pathol. 2025 May 2. doi: 10.1002/path.6432.
<https://doi.org/10.1002/path.6432>

Toro AL, Costantino NS, Shriver CD, Ellsworth DL, Ellsworth RE:

Effect of obesity on molecular characteristics of invasive breast tumors: gene expression analysis in a large cohort of female patients

BMC Obes. 2016 Apr 29;3:22. doi: 10.1186/s40608-016-0103-7. eCollection 2016.
<http://bmcbobes.biomedcentral.com/articles/10.1186/s40608-016-0103-7>

Tretiakova MS, Shabani-Rad MT, Guggisberg K, Hart J, Anders RA, Gao ZH:

Genomic and immunophenotypical differences between hepatocellular carcinoma with and without cirrhosis

Histopathology 56(6):683-93 (2010)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2559.2010.03554.x/full>

Trudel D, Avarvarei L-M, Orain M, Turcotte S, Plante M, Grégoire J, Kappelhoff R, Labbé DP, Bachvarov D, Têtu B, Overall CM, Bairati I:

Proteases and their inhibitors as prognostic factors for high-grade serous ovarian cancer

Pathology - Research and Practice, 2 Mar 2019, <https://doi.org/10.1016/j.prp.2019.02.019>

<https://www.sciencedirect.com/science/article/pii/S0344033818316741#!>

Tsang YT, Deavers MT, Sun CC, Kwan SY, Kuo E, Malpica A, Mok SS, Gershenson DM, and Wong KK:
KRAS (but not BRAF) mutations in ovarian serous borderline tumor are associated with recurrent low-grade serous carcinoma

J. Pathol., SN - 1096-9896, <http://dx.doi.org/10.1002/path.4252>, 10.1002/path.4252

<http://onlinelibrary.wiley.com/doi/10.1002/path.4252/abstract>

Tsuchiyama K, Ito H, Taga M, Naganuma S, Oshinoya Y, Nagano KI, Yokoyama O, Itoh H

Expression of MicroRNAs associated with Gleason grading system in prostate cancer: miR-182-5p is a useful marker for high grade prostate cancer

Prostate. 2012 Nov 26. doi: 10.1002/pros.22626.

<http://dx.doi.org/10.1002/pros.22626>

Tsukamoto S, Ishikawa T, Iida S, Ishiguro M, Mogushi K, Mizushima H, Uetake H, Tanaka H, Sugihara K:

Clinical Significance of Osteoprotegerin Expression in Human Colorectal Cancer

Clin Cancer Res 17(8):2444-50 (2011)

<http://clincancerres.aacrjournals.org/content/17/8/2444.short>

Tsutsui K, Nakayama M, Ogasawara S, Akiba J, Kondo R, Mihara Y, Yano Y, Mizuochi S, Kinjo Y, Murotani K, Yano H:

Clinicopathological characteristics and molecular analysis of lymphocyte-rich hepatocellular carcinoma

Hum Pathol. 2023 Sep 22:S0046-8177(23)00189-2. doi: 10.1016/j.humpath.2023.09.004.

<https://doi.org/10.1016/j.humpath.2023.09.004>

Tyraskis A, Zen Y, Strautnieks S, Cook R, Foskett P, De Vito C, Deheragoda M, Quaglia A, Heaton N, Davenport M, Thompson RJ:

High frequency of CTNNB1 variants associated with benign and malignant liver tumors in patients with Congenital Porto-Systemic Shunts

Liver Cancer 1–23. 28 Dec 2024, ISSN: 2235-1795 (Print), eISSN: 1664-5553, DOI: 10.1159/000543217

<https://doi.org/10.1159/000543217>

Uchi R, Jiromaru R, Yasumatsu R, Yamamoto H, Hongo T, Manako T, Sato K, Hashimoto K, Wakasaki T, Matsuo M, Nakagawa T:

Genomic Sequencing of Cancer-related Genes in Sinonasal Squamous Cell Carcinoma and Coexisting Inverted Papilloma

Anticancer Res. 2021 Jan;41(1):71-79. doi: 10.21873/anticancer.14752.

<http://ar.iiarjournals.org/content/41/1/71.abstract>

Uchi R, Takahashi Y, Niida A, Shimamura T, Hirata H, Sugimachi K, Sawada G, Iwaya T, Kurashige J, Shinden Y, Iguchi T, Eguchi H, Chiba K, Shiraishi Y, Nagae G, Yoshida K, Nagata Y, Haeno H, Yamamoto H, Ishii H, Doki Y, Iinuma H, Sasaki S, Nagayama S, Yamada K, Yachida S, Kato M, Shibata T, Oki E, Saeki H, Shirabe K, Oda Y, Maehara Y, Komune S, Mori M, Suzuki Y, Yamamoto K, Aburatani H, Ogawa S, Miyano S, Mimori K:

Integrated Multiregional Analysis Proposing a New Model of Colorectal Cancer Evolution

PLoS Genet. 2016 Feb 18;12(2):e1005778. doi: 10.1371/journal.pgen.1005778. eCollection 2016.
<http://dx.plos.org/10.1371/journal.pgen.1005778>

Uehiro N, Sato F, Pu F, Tanaka S, Kawashima M, Kawaguchi K, Sugimoto M, Saji S, Toi M:

Circulating cell-free DNA-based epigenetic assay can detect early breast cancer

Breast Cancer Res. 2016 Dec 19;18(1):129.

<https://breast-cancer-research.biomedcentral.com/articles/10.1186/s13058-016-0788-z>

Untch BR, Dos Anjos V, Garcia-Rendueles MER, Knauf JA, Krishnamoorthy GP, Saqcena M, Bhanot UK, Socci ND, Ho AL, Ghossein R, Fagin JA:

Tipifarnib Inhibits HRAS-Driven Dedifferentiated Thyroid Cancers

Cancer Res. 2018 Aug 15;78(16):4642-4657. doi: 10.1158/0008-5472.CAN-17-1925.

<http://cancerres.aacrjournals.org/cgi/pmidlookup?view=long&pmid=29760048>

Uozaki H, Morita S, Kumagai A, Aso T, Soejima Y, Takahashi Y and Fukusato T:

Stromal miR-21 is more important than miR-21 of tumour cells for the progression of gastric cancer

Histopathology, SN - 1365-2559, 8 Jul 2014, doi: 10.1111/his.12491

<http://dx.doi.org/10.1111/his.12491>

Valencia T, Joseph A, Kachroo N, Darby S, Meakin S, Gnanapragasam VJ:

Role and expression of FRS2 and FRS3 in prostate cancer

BMC Cancer. 2011 Nov 11;11(1):484.

<http://www.biomedcentral.com/1471-2407/11/484>

Valente AL, Kane JL, Ellsworth DL, Shriver CD, Ellsworth RE:

Molecular response of the axillary lymph node microenvironment to metastatic colonization

J Clinical & Experimental Metastasis, April 2014; 10.1007/s10585-014-9650-9

<http://link.springer.com/article/10.1007/s10585-014-9650-9#>

van der Putten LJ, van Hoof R, Tops BB, Snijders MP, van den Berg-van Erp SH, van der Wurff AA, Bulten J, Pijnenborg JM, Massuger LF:

Molecular profiles of benign and (pre)malignant endometrial lesions

Carcinogenesis. 2017 Jan 25. doi: 10.1093/carcin/bgx008.

<https://academic.oup.com/carcin/article-lookup/doi/10.1093/carcin/bgx008>

van Dijk, M.C., Rombout, P.D., Mooi, W.J., van de Molengraft, F.J., van Krieken, J.H., Ruiter, D.J., and Ligtenberg, M.J.:

Allelic imbalance in the diagnosis of benign, atypical and malignant Spitz tumours

J Pathol 197(2): 170-178 (2002)

<http://onlinelibrary.wiley.com/doi/10.1002/path.1119/full>

van Schanke, A., van Venrooij, G.M., Jongsma, M.J., Banus, H.A., Mullenders, L.H., van Kranen, H.J., and de Gruijl, F.R.:

Induction of nevi and skin tumors in Ink4a/Arf Xpa knockout mice by neonatal, intermittent, or chronic UVB exposures

Cancer Res 66(5): 2608-2615 (2006)

<http://cancerres.aacrjournals.org/content/66/5/2608.long>

Vaira V, Favarsani A, Dohi T, Montorsi M, Augello C, Gatti S, Coggi G, Altieri DC, Bosari S

miR-296 regulation of a cell polarity-cell plasticity module controls tumor progression

Oncogene. 2012 Jan 5;31(1):27-38. doi: 10.1038/onc.2011.209.

<http://dx.doi.org/10.1038/onc.2011.209>

Valdebenito S, Malik S, Luu R, Loudig O, Mitchell M, Okafo G, Bhat K, Prideaux B, Eugenin EA:

Tunneling nanotubes, TNT, communicate glioblastoma with surrounding non-tumor astrocytes to adapt them to hypoxic and metabolic tumor conditions

Sci Rep. 2021 Jul 15;11(1):14556. doi: 10.1038/s41598-021-93775-8.

<https://www.nature.com/articles/s41598-021-93775-8>

van Bladel DAG, van den Brand M, Rijntjes J, Pamidimarri Naga S, Haacke DLCM, Luijckx JACW, Hebeda KM, van Krieken JHJM, Groenen PJTA, Scheijen B:

Clonality assessment and detection of clonal diversity in classic Hodgkin lymphoma by next-generation sequencing of immunoglobulin gene rearrangements

Mod Pathol. 2021 Dec 3. doi: 10.1038/s41379-021-00983-8.

<https://www.nature.com/articles/s41379-021-00983-8>

van Hooren L, Vaccaro A, Ramachandran M, Vazaios K, Libard S, van de Walle T, Georganaki M, Huang H, Pietilä I, Lau J, Ulvmar MH, Karlsson MCI, Zetterling M, Mangsbo SM, Jakola AS, Olsson Bontell T, Smits A, Essand M, Dimberg A:

Agonistic CD40 antibody therapy induces tertiary lymphoid structures but impairs the response to immune checkpoint blockade in glioma

bioRxiv, 06 Jan 2021, doi: <https://doi.org/10.1101/2021.01.05.425377>

<https://www.biorxiv.org/content/10.1101/2021.01.05.425377v1.full>

Venesio T, Balsamo A, Scordamaglia A, Bertolaso M, Arrigoni A, Sprujevnik T, Rossini FP, Risio M:

Germline APC mutation on the beta-catenin binding site is associated with a decreased apoptotic level in colorectal adenomas

Mod Pathol. 2003 Jan;16(1):57-65.

<http://dx.doi.org/10.1097/01.MP.0000042421.83775.0E>

Verdelli C, Forno I, Morotti A, Creo P, Guarnieri V, Scillitani A, Cetani F, Vicentini L, Balza G, Beretta E, Ferrero S, Vaira VA, Corbetta S:

The aberrantly expressed miR-372 partly impairs sensitivity to apoptosis in parathyroid tumor cells

Endocr Relat Cancer. 2018 May 3. pii: ERC-17-0204. doi: 10.1530/ERC-17-0204.

<http://erc.endocrinology-journals.org/content/early/2018/05/03/ERC-17-0204.abstract>

Visci G, Tolomeo D, Lonoce A, Arshadi A, Bascetta L, Trotta G, van Riel M, Vermeesch JR, Carbone R, Storlazzi CT:

A novel method for the isolation of single cells mimicking circulating tumour cells adhered on Smart Bio Surface slides by Laser Capture Microdissection

Protocols.io, 26 Oct 2023

<https://www.protocols.io/view/a-novel-method-for-the-isolation-of-single-cells-m-81wgbx5kolpk/v1>

Visioli F, Wang Y, Alam GN, Ning Y, Rados PV, Nör JE, Polverini PJ:

Glucose-Regulated Protein 78 (Grp78) Confers Chemoresistance to Tumor Endothelial Cells under Acidic Stress

PLoS One. 2014 Jun 25;9(6):e101053. doi: 10.1371/journal.pone.0101053. eCollection 2014.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0101053#pone-0101053-g006>

Voegtly LM, Mamula K, Campbell JL, Shriver CD, Ellsworth RE:

Molecular Alterations Associated with Breast Cancer Mortality

PLoS ONE 7(10): e46814. doi:10.1371/journal.pone.0046814

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0046814>

von Eggeling F, Hoffmann F:

Microdissection – an essential prerequisite for spatial cancer omics

Proteomics. 2020 Jun 23;e2000077. doi: 10.1002/pmic.202000077.

<https://doi.org/10.1002/pmic.202000077>

Vormittag-Nocito E, Acosta AM, Agarwal S, Narayan KD, Kumar R, Al Rasheed MRH, Kajdacsy-Balla A, Behm FG, Mohapatra G:

In-Depth Comparison of Genetic Variants Demonstrates a Close Relationship between Invasive and Intraductal Components of Prostate Cancer

Modern Pathology (2023), doi: <https://doi.org/10.1016/j.modpat.2023.100130>.
<https://doi.org/10.1016/j.modpat.2023.100130>

Wada Y, Matsuura M, Sugawara M, Ushijima M, Miyata S, Nagasaki K, Noda T, Miki Y:

Development of detection method for novel fusion gene using GeneChip exon array

J Clin Bioinforma. 2014 Feb 18;4(1):3.
<http://www.jclinbioinformatics.com/content/4/1/3>

Wamunyokoli, F.W., Bonome, T., Lee, J.Y., Feltmate, C.M., Welch, W.R., Radonovich, M., Pise-Masison, C., Brady, J., Hao, K., Berkowitz, R.S., Mok, S., and Birrer, M.J.:

Expression profiling of mucinous tumors of the ovary identifies genes of clinicopathologic importance

Clin Cancer Res 12(3 Pt 1): 690-700 (2006)
<http://clincancerres.aacrjournals.org/content/12/3/690.long>

Wang B, Li L, Liao Y, Li J, Yu X, Zhang Y, Xu J, Rao H, Chen S, Zhang L, Zheng L:

Mast cells expressing interleukin 17 in the muscularis propria predict a favorable prognosis in esophageal squamous cell carcinoma

Cancer Immunol Immunother. 2013 Aug 3.
<http://link.springer.com/article/10.1007%2Fs00262-013-1460-4>

Wang D, Nguyen MM, Masoodi KZ, Singh P, Jing Y, O'Malley K, Dhir R, Wang Z:

Splicing factor Prp8 interacts with NESAR and regulates androgen receptor in prostate cancer cells

Mol Endocrinol. 2015 Sep 15;me20151112.
http://press.endocrine.org/doi/10.1210/me.2015-1112?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed

Wang D, Wu P, Yang Z, Yu C, Li Q, Zhang R, Yang Y, Liu Y, Zhang W, Zhou X, Zhu D, Zhan Z, Li W:
Accurate diagnosis of early-stage lung cancer by targeting lipid droplets with a two-photon near-infrared fluorescence probe

Sensors and Actuators B: Chemical, Volume 426, 2025, 137023, ISSN 0925-4005, doi:
10.1016/j.snb.2024.137023
<https://doi.org/10.1016/j.snb.2024.137023>

Wang Q, Yang Q, Li M, Zhang Y, Cai Y, Liang X, Fu Y, Xiao Z, Zhou M, Xie Z, Huang H, Huang Y, Chen Y, He Q, Peng F, Chen Z:

Quantitative proteomic profiling of tumor-associated vascular endothelial cells in colorectal cancer

bioRxiv preprint first posted online Feb. 26, 2019
<https://www.biorxiv.org/content/10.1101/561555v1>

Wang R, Li J, Zhou X, Mao Y, Wang W, Gao S, Wang W, Gao Y, Chen K, Yu S, Wu X, Wen L, Ge H, Fu W, Tang F:

Single-cell genomic and transcriptomic landscapes of primary and metastatic colorectal cancer tumors

Genome Med. 2022 Aug 16;14(1):93. doi: 10.1186/s13073-022-01093-z.
<https://genomemedicine.biomedcentral.com/articles/10.1186/s13073-022-01093-z>

Wang Y:

Mutational processes in normal human tissues

Thesis, Apollo - University of Cambridge Repository (2024)

<https://doi.org/10.17863/CAM.113024>

Wang Y, Lih TM, Lee JW, Ohtsuka T, Hozaka Y, Mino-Kenudson M, Adsay NV, Luchini C, Scarpa A, Maker AV, Kim GE, Paulino J, Chen L, Woo J, Jiao L, Sun Z, Goodman D, Pflüger MJ, Roberts NJ, Matthaei H, Goggins MG, Wood LD, Furukawa T, Zhang H, Hruban RH:

Multi-omic profiling of intraductal papillary neoplasms of the pancreas reveals distinct patterns and potential markers of progression

Cancer Cell. 2025 Aug 26:S1535-6108(25)00332-0. doi: 10.1016/j.ccell.2025.08.001.

<https://doi.org/10.1016/j.ccell.2025.08.001>

Wang Y, Pascal LE, Zhong M, Ai J, Wang D, Jing Y, Pilch J, Song Q, Rigatti LH, Graham LE, Nelson JB, Parwani AV, Wang Z:

Combined loss of EAF2 and p53 induces prostate carcinogenesis in male mice

Endocrinology. 2017 Sep 27. doi: 10.1210/en.2017-00409.

<https://academic.oup.com/endo/article-lookup/doi/10.1210/en.2017-00409>

Wang Y, Robinson PS, Coorens THH, Moore L, Lee-Six H, Noorani A, Sanders MA, Jung H, Katainen R, Heuschkel R, Brunton-Sim R, Weston R, Read D, Nobbs B, Fitzgerald RC, Saeb-Parsy K, Martincorena I, Campbell PJ, Rushbrook S, Zilbauer M, Buczacki SJA, Stratton MR:

APOBEC mutagenesis is a common process in normal human small intestine

Nat Genet. 2023 Jan 26. doi: 10.1038/s41588-022-01296-5.

<https://www.nature.com/articles/s41588-022-01296-5>

Wang Y, Wu RC, Schwartz LE, Haley L, Lin MT, Shih IM, Kurman RJ:

Clonality Analysis of Combined Brenner and Mucinous Tumours of the Ovary Reveals Their Monoclonal Origin

J Pathol. 2015 Jun 12. doi: 10.1002/path.4572.

<http://dx.doi.org/10.1002/path.4572>

Wang Z, Zhang L, He L, Cui D, Liu C, Yin L, Zhang M, Jiang L, Gong Y, Wu W, Liu B, Li X, Cram DS, Liu D:

Low-depth whole genome sequencing reveals copy number variations associated with higher pathologic grading and more aggressive subtypes of lung non-mucinous adenocarcinoma

Chin J Cancer Res. 2020 Jun;32(3):334-346. doi: 10.21147/j.issn.1000-9604.2020.03.05.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3269489/>

Wator G, Kołton-Wróż M, Wołkow P, Belch L, Chłosta P, Szpor J, Klimkowska A, Nejman K, Józkowicz A, Piechota-Polańczyk A, Okoń K:

No differences in miRNA expression in the stroma of ERG+ and ERG- prostate cancers

Pol J Pathol 2023; 74 (4): 272-277

<https://doi.org/10.5114/pjp.2023.134304>

Wei, M., Grushko, T.A., Dignam, J., Hagos, F., Nanda, R., Sveen, L., Xu, J., Fackenthal, J., Tretiakova, M., Das, S., and Olopade, O.I.:

BRCA1 promoter methylation in sporadic breast cancer is associated with reduced BRCA1 copy number and chromosome 17 aneusomy

Cancer Res 65(23): 10692-10699 (2005)

<http://cancerres.aacrjournals.org/content/65/23/10692.long>

Winkler S, Bateman N, Conrads K, Hood B, Darcy K, Tarney C, Phippen N, Casablanca Y, Baker T, Conrads T, Maxwell G:

Proteomic analysis of uterine smooth muscle tumors and rare uterine fibroid variants (120)

Abstracts / Gynecologic Oncology 166/S1 (2022) S3-S291

[https://doi.org/10.1016/S0090-8258\(22\)01346-4](https://doi.org/10.1016/S0090-8258(22)01346-4)

Winslow S, Lindquist KE, Edsjö A, Larsson C:

The expression pattern of matrix-producing tumor stroma is of prognostic importance in breast cancer

BMC Cancer. 2016 Nov 4;16(1):841

<https://bmccancer.biomedcentral.com/articles/10.1186/s12885-016-2864-2>

Wilting SM, Snijders PJ, Verlaet W, Jaspers A, van de Wiel MA, van Wieringen WN, Meijer GA, Kenter GG, Yi Y, le Sage C, Agami R, Meijer CJ, Steenbergen RD:

Altered microRNA expression associated with chromosomal changes contributes to cervical carcinogenesis

Oncogene. 2012 Feb 13. doi: 10.1038/onc.2012.20.

<http://dx.doi.org/10.1038/onc.2012.20>

Wong KK, Bateman NW, Ng CW, Tsang YTM, Sun CS, Celestino J, Nguyen TV, Malpica A, Hillman RT, Zhang J, Futreal PA, Rojas C, Conrads KA, Hood BL, Dalgard CL, Wilkerson MD, Phippen NT, Conrads TP, Maxwell GL, Sood AK, Gershenson DM:

Integrated multi-omic analysis of low-grade ovarian serous carcinoma collected from short and long-term survivors

J Transl Med. 2022 Dec 17;20(1):606. doi: 10.1186/s12967-022-03820-x.

<https://doi.org/10.1186/s12967-022-03820-x>

Worley MJ Jr, Liu S, Hua Y, Kwok JS, Samuel A, Hou L, Shoni M, Lu S, Sandberg EM, Keryan A, Wu D, Ng SK, Kuo WP, Parra-Herran CE, Tsui SK, Welch W, Crum C, Berkowitz RS, Ng SW:

Molecular changes in endometriosis-associated ovarian clear cell carcinoma

Eur J Cancer. 2015 Jun 6. pii: S0959-8049(15)00442-6. doi: 10.1016/j.ejca.2015.05.011.

[http://linkinghub.elsevier.com/retrieve/pii/S0959-8049\(15\)00442-6](http://linkinghub.elsevier.com/retrieve/pii/S0959-8049(15)00442-6)

Wouters J, Stas M, Govaere O, Barrette K, Dudek A, Vankelecom H, Haydu LE, Thompson JF, Scolyer RA, van den Oord JJ:

A novel hypoxia-associated subset of FN1highMITFlow melanoma cells: identification, characterization, and prognostic value

Mod Pathol. 2014 Jan 3. doi: 10.1038/modpathol.2013.228.

www.nature.com/modpathol/journal/vaop/ncurrent/full/modpathol2013228a.html

Wu F, Huang D, Wang L, Xu Q, Liu F, Ye X, Meng X, Du X:

92-Gene Molecular Profiling in Identification of Cancer Origin: A Retrospective Study in Chinese Population and Performance within Different Subgroups

PLoS One. 2012;7(6):e39320.

<http://dx.plos.org/10.1371/journal.pone.0039320>

Wu L, Xu X, Sharma B, Wang W, Qu X, Zhu L, Zhang H, Song Y, Yang C:

Beyond Capture: Circulating Tumor Cell Release and Single-Cell Analysis

Small Methods, 14 Feb 2019, <https://doi.org/10.1002/smt.201800544>

<https://onlinelibrary.wiley.com/doi/abs/10.1002/smt.201800544>

Wu RC, Wang P, Lin SF, Zhang M, Song Q, Chu T, Wang BG, Kurman RJ, Vang R, Kinzler K, Tomasetti C, Jiao Y, Shih IM, Wang TL:

Genomic landscape and evolutionary trajectories of ovarian cancer early precursor lesions

J Pathol. 2018 Dec 17. doi: 10.1002/path.5219.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/path.5219>

Xiao, W., Zhang, Q., Jiang, F., Pins, M., Kozłowski, J.M., and Wang, Z.:

Suppression of prostate tumor growth by U19, a novel testosterone-regulated apoptosis inducer

Cancer Res 63(15): 4698-4704 (2003)
<http://cancerres.aacrjournals.org/content/63/15/4698.long>

Xie L, Kong Q, Ai M, He A, Yao B, Zhang L, Zhang K, Zhu C, Li Y, Xia L, Tian R, Xu R:
Spatial Proteomic Profiling of Colorectal Cancer Revealed Its Tumor Microenvironment Heterogeneity

J Proteome Res. 2024 Aug 2;23(8):3342-3352. doi: 10.1021/acs.jproteome.3c00719.
<https://doi.org/10.1021/acs.jproteome.3c00719>

Xu, A.M., Zhang, S.H., Zheng, J.M., Zheng, W.Q., and Wu, M.C.:
Pathological and molecular analysis of sporadic hepatic angiomyolipoma
Hum Pathol 37(6): 735-741 (2006)
<http://www.humanpathol.com/article/S0046-8177%2806%2900076-1/abstract>

Xu C, Xu X, Shao W, Sun H, Liu X, Feng H, Zuo X, Gao J, Wang G, Yang X, Gu R, Ge S, Wang S, Gao L, Zhu G:
CTCs Detection and Whole-exome Sequencing Might Be Used to Differentiate Benign and Malignant Pulmonary Nodules
Zhongguo Fei Ai Za Zhi. 2023 Jun 20;26(6):449-460. doi: 10.3779/j.issn.1009-3419.2023.106.12.
<https://doi.org/10.3779/j.issn.1009-3419.2023.106.12>

Xu G, Li JY:
Differential expression of PDGFRB and EGFR in microvascular proliferation in glioblastoma
Tumour Biol. 2016 Feb 9.
<http://dx.doi.org/10.1007/s13277-016-4968-3>

Xu T, Li H, Dou P, Luo Y, Pu S, Mu H, Zhang Z, Feng D, Hu X, Wang T, Tan G, Chen C, Li H, Shi X, Hu C, Xu G:
Concentric Hybrid Nanoelectrospray Ionization-Atmospheric Pressure Chemical Ionization Source for High-Coverage Mass Spectrometry Analysis of Single-Cell Metabolomics
Adv Sci (Weinh). 2024 Feb 15:e2306659. doi: 10.1002/advs.202306659.
<https://doi.org/10.1002/advs.202306659>

Xuan Y, Bateman NW, Gallien S, Goetze S, Zhou Y, Navarro P, Hu M, Parikh N, Hood BL, Conrads KA, Loosse C, Kitata RB, Piersma SR, Chiasserini D, Zhu H, Hou G, Tahir M, Macklin A, Khoo A, Sun X, Crossett B, Sickmann A, Chen YJ, Jimenez CR, Zhou H, Liu S, Larsen MR, Kislinger T, Chen Z, Parker BL, Cordwell SJ, Wollscheid B, Conrads TP:
Standardization and harmonization of distributed multi-center proteotype analysis supporting precision medicine studies
Nat Commun. 2020 Oct 16;11(1):5248. doi: 10.1038/s41467-020-18904-9.
<https://www.nature.com/articles/s41467-020-18904-9>

Xue Y, Liu L, Zhang Y, He Y, Wang J, Ma Z, Li TJ, Zhang J, Huang Y, Gao YQ:
Unraveling the key role of chromatin structure in cancer development through epigenetic landscape characterization of oral cancer
Mol Cancer. 2024 Sep 6;23(1):190. doi: 10.1186/s12943-024-02100-0.
<https://doi.org/10.1186/s12943-024-02100-0>

Xydia M, Rahbari R, Ruggiero E, Macaulay I, Tarabichi M, Lohmayer R, Wilkening S, Michels T, Brown D, Vanuytven S, Mastitskaya S, Laidlaw S, Grabe N, Pritsch M, Fronza R, Hexel K, Schmitt S, Müller-Steinhardt M, Halama N, Domschke C, Schmidt M, von Kalle C, Schütz F, Voet T, Beckhove P:
Common clonal origin of conventional T cells and induced regulatory T cells in breast cancer patients
Nat Commun. 2021 Feb 18;12(1):1119. doi: 10.1038/s41467-021-21297-y.
<https://www.nature.com/articles/s41467-021-21297-y>

Yafune A, Kawai M, Itahashi M, Kimura M, Nakane F, Mitsumori K, Shibutani M:

Global DNA methylation screening of liver in piperonyl butoxide-treated mice in a two-stage hepatocarcinogenesis model

Toxicol Lett. 2013 Aug 19. pii: S0378-4274(13)01278-2. doi: 10.1016/j.toxlet.2013.08.006.

<http://www.sciencedirect.com/science/article/pii/S0378427413012782>

Yagi K, Tsuchiya A, Hashimoto S, Kato T, Onodera O, Terai S:

Pyloric-gland metaplasia may be an origin of cancer and intestinal metaplasia with possible CDX2 expression

Gastroenterology Report, 2020 Dec 10, goaa061, <https://doi.org/10.1093/gastro/goaa061>

<https://academic.oup.com/gastro/advance-article/doi/10.1093/gastro/goaa061/6029607>

Yamada K, Nishimura T, Wakiya M, Satoh E, Fukuda T, Amaya K, Bando Y, Hirano H, Ishikawa T:

Protein co-expression networks identified from HOT lesions of ER+HER2-Ki-67high luminal breast carcinomas

Sci Rep. 2021 Jan 18;11(1):1705. doi: 10.1038/s41598-021-81509-9.

<https://www.nature.com/articles/s41598-021-81509-9#Sec10>

Yamagata T, Watanabe K, Yamanoi K, Kakiuchi N, Mizuno R, Taki M, Murakami R, Yamaguchi K, Hamanishi J, Itoh H, Ogawa S, Mandai M

Origin of Endometrioid Carcinoma Adjacent to Extraovarian Endometriosis: Detailed Molecular Analyses.

Int J Gynecol Pathol. 2025 Jul 29. doi: 10.1097/PGP.0000000000001128.

<https://doi.org/10.1097/pgp.0000000000001128>

Yamagata T, Watanabe K, Yamanoi K, Kakiuchi N, Ogura J, Taki M, Murakami R, Yamaguchi K, Hamanishi J, Minamiguchi S, Ogawa S, Mandai M:

Origin of Peritoneal Cancer With Features of High-grade Serous Carcinoma: A Detailed Molecular Analysis

Int J Gynecol Pathol. 2024 Sep 10. doi: 10.1097/PGP.0000000000001069.

<https://doi.org/10.1097/pgp.0000000000001069>

Yamaguchi M, Nakaoka H, Suda K, Yoshihara K, Ishiguro T, Yachida N, Saito K, Ueda H, Sugino K, Mori Y, Yamawaki K, Tamura R, Revathidevi S, Motoyama T, Tainaka K, Verhaak RGW, Inoue I, Enomoto T:

Spatiotemporal dynamics of clonal selection and diversification in normal endometrial epithelium.

Nat Commun. 2022 Feb 17;13(1):943. doi: 10.1038/s41467-022-28568-2.

<https://www.nature.com/articles/s41467-022-28568-2.pdf>

Yamamoto K, Abe S, Honda A, Hashimoto J, Aizawa Y, Ishibashi S, Takemura T, Hanagata N, Yamamoto M, Miura O, Kurata M, Kitagawa M:

Fatty acid beta oxidation enzyme HADHA is a novel potential therapeutic target in malignant lymphoma

Lab Invest. 2019 Sep 16. doi: 10.1038/s41374-019-0318-6.

<https://www.nature.com/articles/s41374-019-0318-6>

Yamamoto S, Tsuda H, Suzuki K, Takano M, Tamai S, Matsubara O:

An allelotype analysis indicating the presence of two distinct ovarian clear-cell carcinogenic pathways: endometriosis-associated pathway vs. clear-cell adenofibroma-associated pathway

Virchows Arch. 2009 Sep;455(3):261-70

<http://www.springerlink.com/content/ph8l21053g3w1p13/>

Yamashita S, Hattori N, Fujii S, Yamaguchi T, Takahashi M, Hozumi Y, Kogawa T, El-Omar O, Liu YY, Arai N, Mori A, Higashimoto H, Ushijima T, Mukai H:

Multi-omics analyses identify HSD17B4 methylation-silencing as a predictive and response marker of HER2-positive breast cancer to HER2-directed therapy

Sci Rep. 2020 Sep 23;10(1):15530. doi: 10.1038/s41598-020-72661-9.

<https://www.nature.com/articles/s41598-020-72661-9>

Yamazaki M, Kato A, Oki E, Zaitzu Y, Kato C, Nakano K, Nakamura M, Sakomura T, Kawai S, Fujii E, Sawada N, Watanabe T, Saeki H, Suzuki M:

Continuous formation of small clusters with LGR5-positive cells contributes to tumor growth in a colorectal cancer xenograft model

Lab Invest. 2020 Jul 29. doi: 10.1038/s41374-020-0471-y.

<https://www.nature.com/articles/s41374-020-0471-y>

Yanazume S, Kirita Y, Kobayashi Y, Kitazono I, Akahane T, Mizuno M, Togami S, Tanimoto A, Kobayashi H:

Can endometrial cytology identify patients who would benefit from immunotherapy?

Acta Cytol. 2024 Mar 12. doi: 10.1159/000538288.

<https://doi.org/10.1159/000538288>

Yancovitz M, Litterman A, Yoon J, Ng E, Shapiro RL, Berman RS, Pavlick AC, Darvishian F, Christos P, Mazumdar M, Osman I, Polsky D:

Intra- and Inter-Tumor Heterogeneity of BRAF^{V600E} Mutations in Primary and Metastatic Melanoma

PLoS ONE 7(1): e29336. doi:10.1371/journal.pone.0029336 (2012)

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0029336>

Yang J, Zhou Y, Ng SK, Huang KC, Ni X, Choi PW, Hasselblatt K, Muto MG, Welch WR, Berkowitz RS, Ng SW:

Characterization of MicroRNA-200 pathway in ovarian cancer and serous intraepithelial carcinoma of fallopian tube

BMC Cancer. 2017 Jun 17;17(1):422. doi: 10.1186/s12885-017-3417-z.

<https://bmccancer.biomedcentral.com/articles/10.1186/s12885-017-3417-z>

Yao H, Zhang Z, Xiao Z, Chen Y, Li C, Zhang P, Li M, Liu Y, Guan Y, Yu Y, Chen Z:

Identification of metastasis associated proteins in human lung squamous carcinoma using two-dimensional difference gel electrophoresis and laser capture microdissection

Lung Cancer. 2009 Jul;65(1):41-8. doi: 10.1016/j.lungcan.2008.10.024.

[http://linkinghub.elsevier.com/retrieve/pii/S0169-5002\(08\)00530-8](http://linkinghub.elsevier.com/retrieve/pii/S0169-5002(08)00530-8)

Yao J, Cui Q, Fan W, Ma Y, Chen Y, Liu T, Zhang X, Xi Y, Wang C, Peng L, Luo Y, Lin A, Guo W, Lin L, Lin Y, Tan W, Lin D, Wu C, Wang J:

Single-cell transcriptomic analysis in a mouse model deciphers cell transition states in the multistep development of esophageal cancer

Nat Commun. 2020 Jul 24;11(1):3715. doi: 10.1038/s41467-020-17492-y.

<https://www.nature.com/articles/s41467-020-17492-y.pdf>

Yao N, Jan YJ, Cheng S, Chen JF, Chung LW, Tseng HR, Posadas EM:

Structure and function analysis in circulating tumor cells: using nanotechnology to study nuclear size in prostate cancer

Am J Clin Exp Urol. 2018 Apr 1;6(2):43-54.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5902722/pdf/ajceu0006-0043.pdf>

Yardy GW, Bicknell DC, Wilding JL, Bartlett S, Liu Y, Winney B, Turner GD, Brewster SF, Bodmer WF:

Mutations in the AXIN1 Gene in Advanced Prostate Cancer

Eur Urol 56(3):486-94 (2009)

<http://www.europeanurology.com/article/S0302-2838%2808%2900638-6>

Ye D, Li Y, Zhang H, Zhou Z, Tang Y, Wu P, Zhao Q, and Zhang Z :

Silencing PRSS1 suppresses the growth and proliferation of gastric carcinoma cells via the ERK pathway

International Journal of Biological Sciences; 2021; 17(4): 957-971. doi: 10.7150/ijbs.52591
<https://www.ijbs.com/v17p0957.pdf>

Yonemori H, Kubota D, Taniguchi H, Tsuda H, Fujita S, Murakami Y, and Kondo T:

Laser microdissection and two-dimensional difference gel electrophoresis with alkaline isoelectric point immobilized gel reveals proteomic intra-tumor heterogeneity in colorectal cancer

EuPA Open Proteomics, online 31 August 2013, ISSN 2212-9685,
<http://dx.doi.org/10.1016/j.euprot.2013.08.002>.

Yoshida N, Miyoshi H, Arakawa F, Nakashima K, Kawamoto K, Seto M, Ohshima K:

Cytokine-related genes play critical roles in extrafollicular growth of follicular lymphoma cells

Hematol Oncol. 2020 Aug 24. doi: 10.1002/hon.2795.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/hon.2795>

Yoshimura K, Ito Y, Suzuki M, Horie M, Nishiuchi T, Shintani-Domoto Y, Shigehara K, Ohshima H, Ohshima M, Goto A, Nojima T, Tsuzuki T, Mizokami A, Ikeda H, Maeda D:

Identification of Uromodulin Deposition in the Stroma of Perinephric Fibromyxoid Nephrogenic Adenoma by Mass Spectrometry

Reasearcg Square, 12th April 2023
<https://doi.org/10.21203/rs.3.rs-2732966/v1>

Yuki A, Shinkuma S, Hayashi R, Fujikawa H, Kato T, Homma E, Hamade Y, Onodera O, Matsuoka M, Shimizu H, Iwata H, Abe R :

CADM1 is a diagnostic marker in early-stage mycosis fungoides: Multicenter study of 58 cases

J Am Acad Dermatol. 2018 Jun 18. pii: S0190-9622(18)32147-9. doi: 10.1016/j.jaad.2018.06.025.
[https://www.jaad.org/article/S0190-9622\(18\)32147-9/abstract](https://www.jaad.org/article/S0190-9622(18)32147-9/abstract)

Yumisashi R, Saito R, Togami S, Kobayashi Y, Kitazono I, Tanimoto A, Kobayashi H:

Molecular biological analysis revealed a case of synchronous endometrial and ovarian cancer with different histological grade as metastatic ovarian cancer from endometrial cancer: Case report and review of literature

J Obstet Gynaecol Res. 2023 Aug 21. doi: 10.1111/jog.15773.
<https://doi.org/10.1111/jog.15773>

Zammarchi, F., Pistello, M., Piersigilli, A., Murr, R., Di Cristofano, C., Naccarato, A.G., and Bevilacqua, G.:

MMTV-like sequences in human breast cancer: a fluorescent PCR/laser microdissection approach

J Pathol 209(4): 436-444 (2006)
<http://onlinelibrary.wiley.com/doi/10.1002/path.1997/full>

Zavattari P, Perra A, Menegon S, Kowalik MA, Petrelli A, Angioni MM, Follenzi A, Quagliata L, Ledda-Columbano GM, Terracciano L, Giordano S, Columbano A:

Nrf2, but not β -catenin, mutation represents an early event in rat hepatocarcinogenesis

Hepatology. 2015 Mar 17. doi: 10.1002/hep.27790.
<http://dx.doi.org/10.1002/hep.27790>

Zearfoss R:

Tumor biology gets smart

Cell, Volume 185, Issue 15, 21 July 2022, Pages 2611-2612
<https://doi.org/10.1016/j.cell.2022.06.021>

Zen C, Zen Y, Mitry RR, Corbeil D, Karbanová J, O'Grady J, Karani J, Kane P, Heaton N, Portmann BC, Quaglia A:

Mixed phenotype hepatocellular carcinoma after transarterial chemoembolization and liver transplantation

Liver Transpl. 2011 Aug;17(8):943-54

<http://onlinelibrary.wiley.com/doi/10.1002/lt.22314/abstract>

Zen Y, Britton D, Mitra V, Brand A, Jung S, Loessner C, Ward M, Pike I, Heaton N, Quaglia A:
Protein expression profiles of chemo-resistant mixed phenotype liver tumors using laser microdissection and LC-MS/MS proteomics

EuPA Open Proteomics, Available online 16 November 2013, ISSN 2212-9685

<http://dx.doi.org/10.1016/j.euprot.2013.10.001>

Zhang A, Zhang J, Li X, Zhou X, Feng Y, Zhu L, Zhang H, Sun L, Li T:

Deciphering odontogenic myxoma: The role of copy number variations as diagnostic signatures

Journal of Zhejiang University SCIENCE B · September 2024

<https://doi.org/10.1631/jzus.B2400081>

Zhang C, Arentz G, Winderbaum L, Lokman NA, Klingler-Hoffmann M, Mittal P, Carter C, Oehler MK, Hoffmann P:

MALDI Mass Spectrometry Imaging Reveals Decreased CK5 Levels in Vulvar Squamous Cell Carcinomas Compared to the Precursor Lesion Differentiated Vulvar Intraepithelial Neoplasia

Int J Mol Sci. 2016 Jul 8;17(7). pii: E1088. doi: 10.3390/ijms17071088.

<http://www.mdpi.com/resolver?pii=ijms17071088>

Zhang C, Zhang L, Xu T, Xue R, Yu L, Zhu Y, Wu Y, Zhang Q, Li D, Shen S, Tan D, Bai F, Zhang H:

Mapping the spreading routes of lymphatic metastases in human colorectal cancer

Nat Commun. 2020 Apr 24;11(1):1993. doi: 10.1038/s41467-020-15886-6.

<https://www.nature.com/articles/s41467-020-15886-6.pdf>

Zhang H, Chen W, Li X, Song Z, Liu Y, Liu S, Su Z, Wu W, Chen H, Qin C, Lin S, Zhang F, Lu X, Tang Q, Yu X, Xu L, Liu C:

Tumor necrosis facilitates perihilar cholangiocarcinoma metastasis by ANGPTL6-augmented vessel permeability and tumor dissemination

JHEP Reports, <https://doi.org/10.1016/j.jhepr.2025.101514>.

<https://doi.org/10.1016/j.jhepr.2025.101514>

Zhang HL, Liu CY, Ma W, Huang L, Li CJ, Li CS, Zhang ZW:

Identification of differentially expressed proteins in the gastric mucosal atypical hyperplasia tissue microenvironment

Oncol Lett. 2018 Aug;16(2):2355-2365. doi: 10.3892/ol.2018.8941.

<https://www.spandidos-publications.com/ol/16/2/2355>

Zhang L, Hu S, Korteweg C, Chen Z, Qiu Y, Su M, Gu J:

Expression of immunoglobulin G in esophageal squamous cell carcinomas and its association with tumor grade and Ki67

Hum Pathol. 2011 Aug 18; PMID: 21855109

<http://www.sciencedirect.com/science/article/pii/S0046817711002462>

Zhang M, He Y, Sun X, Li Q, Wang W, Zhao A, Di W:

A high M1/M2 ratio of tumor-associated macrophages is associated with extended survival in ovarian cancer patients

J Ovarian Res. 2014 Feb 8;7(1):19.

<http://www.ovarianresearch.com/content/7/1/19>

Zhang M, Zhuang G, Sun X, Shen Y, Wang W, Li Q, Di W:

TP53 mutation-mediated genomic instability induces the evolution of chemoresistance and recurrence in epithelial ovarian cancer

Diagn Pathol. 2017 Feb 2;12(1):16. doi: 10.1186/s13000-017-0605-8.

<https://diagnosticpathology.biomedcentral.com/articles/10.1186/s13000-017-0605-8>

Zhang, Q., Rubenstein, J.N., Jang, T.L., Pins, M., Javonovic, B., Yang, X., Kim, S.J., Park, I., and Lee, C.:
Insensitivity to transforming growth factor-beta results from promoter methylation of cognate receptors in human prostate cancer cells (LNCaP)

Mol Endocrinol 19(9): 2390-2399 (2005)

<http://mend.endojournals.org/cgi/content/full/19/9/2390>

Zhang S, Dolgalev I, Zhang T, Ran H, Levine DA, Neel BG:

Both fallopian tube and ovarian surface epithelium are cells-of-origin for high-grade serous ovarian carcinoma

Nat Commun. 2019 Nov 26;10(1):5367. doi: 10.1038/s41467-019-13116-2.

<https://www.nature.com/articles/s41467-019-13116-2>

Zhang W, Fan S, Zou G, Shi L, Zeng Z, Ma J, Zhou Y, Li X, Zhang X, Li X, Tan M, Xiong W, Li G:
Lactotransferrin could be a novel independent molecular prognosticator of nasopharyngeal carcinoma

Tumour Biol. 2014 Oct 7.

<http://link.springer.com/article/10.1007/s13277-014-2650-1>

Zhang W, Zeng Z, Fan S, Wang J, Yang J, Zhou Y, Li X, Huang D, Liang F, Wu M, Tang K, Cao L, Li X, Xiong W, Li G:

Evaluation of the prognostic value of TGF- β superfamily type I receptor and TGF- β type II receptor expression in nasopharyngeal carcinoma using high-throughput tissue microarrays

J Mol Histol. 2012 Mar 6. [Epub ahead of print]

<http://dx.doi.org/10.1007/s10735-012-9392-4>

Zhang W, Zeng Z, Wei F, Chen P, Schmitt DC, Fan S, Guo X, Liang F, Shi L, Liu Z, Zhang Z, Xiang B, Zhou M, Huang D, Tang K, Li X, Xiong W, Tan M, Li G, Li X:

SPLUNC1 is associated with nasopharyngeal carcinoma prognosis and plays an important role in ATRA-induced growth inhibition and differentiation in nasopharyngeal cancer cells

FEBS J. 2014 Aug 27. doi: 10.1111/febs.13020.

<http://dx.doi.org/10.1111/febs.13020>

Zheng C, Fass JN, Shih YP, Gunderson AJ, Sanjuan Silva N, Huang H, Bernard BM, Rajamanickam V, Slagel J, Bifulco CB, Piening B, Newell PHA, Hansen PD, Tran E:

Transcriptomic profiles of neoantigen-reactive T cells in human gastrointestinal cancers

Cancer Cell. 2022 Apr 11;40(4):410-423.e7. doi: 10.1016/j.ccell.2022.03.005.

<https://www.sciencedirect.com/science/article/pii/S1535610822001209>

Zheng Q, Capell B, Parekh V, O'Day C, Atillasoy C, Bashir HM, Yeh C, Shim EH, Prouty SM, Dentchev T, Lee V, Wushanley L, Kweon Y, Suzuki-Horiuchi Y, Pear W, Grice EA, Seykora JT:

Whole exome and transcriptome analysis of UV-exposed epidermis and carcinoma in situ reveals early drivers of carcinogenesis

J Invest Dermatol. 2020 Jul 7:S0022-202X(20)31736-X. doi: 10.1016/j.jid.2020.05.116.

<https://www.sciencedirect.com/science/article/abs/pii/S0022202X2031736X>

Zheng S, Liang JY, Tang Y, Xie J, Zou Y, Yang A, Shao N, Kuang X, Ji F, Liu X, Tian W, Xiao W, Lin Y:

Dissecting the role of cancer-associated fibroblast-derived biglycan as a potential therapeutic target in immunotherapy resistance: A tumor bulk and single-cell transcriptomic study

Clin Transl Med. 2023 Feb;13(2):e1189. doi: 10.1002/ctm2.1189.

<https://doi.org/10.1002/ctm2.1189>

Zheng X, Mund A, Mann M:

Deciphering functional tumor-immune crosstalk through highly multiplexed imaging and deep visual proteomics

bioRxiv preprint, May 23, 2024

<https://doi.org/10.1101/2024.05.22.595266>

Zheng X, Mund A, Mann M:

Deciphering functional tumor-immune crosstalk through highly multiplexed imaging and deep visual proteomics

Molecular Cell, 14 Jan 2025, ISSN 1097-2765, DOI: 10.1016/j.molcel.2024.12.023

<https://doi.org/10.1016/j.molcel.2024.12.023>

Zhou J, Zheng W, Cao L, Liu M, Han F, Li A:

Antiangiogenic tumor treatment: noninvasive monitoring with contrast pulse sequence imaging for contrast-enhanced grayscale ultrasound

Acad Radiol. 2010 May;17(5):646-51

<http://www.academicradiology.org/article/S1076-6332%2810%2900058-9/abstract>

Zhu J, Wang Y, Gong L, Huang G

Diagnosis of primary pulmonary T- cell/histiocyte-rich large B cell lymphoma with tissue eosinophilia via clinicopathological observation and molecular assay

Diagn Pathol. 2014 Oct 2;9(1):188.

<http://www.diagnosticpathology.org/content/pdf/s13000-014-0188-6.pdf>

Zhu L, Sun L, Zhang Y, Liu X, Li X, Zhou Z, Cui Y, Zhou CX, Li TJ:

PON3::LCN1 and HTN3::MSANTD3 Gene Fusions With NR4A3/NR4A2 Expression in Salivary Acinic Cell Carcinoma

Am J Surg Pathol. 2024 Apr 29. doi: 10.1097/PAS.0000000000002219.

<https://doi.org/10.1097/pas.0000000000002219>

Zhu P, Ning Y, Yao L, Chen M, Xu C:

The proliferation, apoptosis, invasion of endothelial-like epithelial ovarian cancer cells induced by hypoxia

J Exp Clin Cancer Res. 2010 Sep 10;29:124. doi: 10.1186/1756-9966-29-124.

<http://www.ncbi.nlm.nih.gov/pmc/articles/pmid/20831794/>

Zhu S, Wang Z, Zhang Z, Wang J, Li Y, Yao L, Mei Q, Zhang W:

PTPLAD2 is a tumor suppressor in esophageal squamous cell carcinogenesis

FEBS Lett. 2014 Feb 13. pii: S0014-5793(14)00101-X. doi: 10.1016/j.febslet.2014.01.058

<http://www.sciencedirect.com/science/article/pii/S001457931400101X>

Zhou Y, Liao Q, Li X, Wang H, Wei F, Chen J, Yang J, Zeng Z, Guo X, Chen P, Zhang W, Tang K, Li X, Xiong W, Li G:

HYOU1, Regulated by LPLUNC1, Is Up-Regulated in Nasopharyngeal Carcinoma and Associated with Poor Prognosis

Journal of Cancer 2016, 7(4): 367-376. doi: 10.7150/jca.13695

<http://jancer.org/v07p0367.pdf>

Zhu Y, Zou C, Zhang J, Jiang W, Guan F, Tang K, Li S, Li G, Wang J, Ke Z:

Dynamically Monitoring the Clonal Evolution of Lung Cancer Based on the Molecular Characterization of Circulating Tumor Cells using Aptamer Cocktail-Modified Nanosubstrates

ACS Appl Mater Interfaces. 2020 Jan 15. doi: 10.1021/acsami.9b22234.

<https://dx.doi.org/10.1021/acsami.9b22234>

Zhu Z, Wang W, Lin F, Jordan T, Li G, Silverman S, Qiu S, Joy AA, Chen C, Hockley DL, Zhang X, Zhou Q, Postovit LM, Zhang X, Hou Y, Mackey JR, Li B, Ka-Shu Wong G:

Genome profiles of lymphovascular breast cancer cells reveal multiple clonally differentiated outcomes with multi-regional LCM and G&T-seq

bioRxiv 807156; doi: <https://doi.org/10.1101/807156>

<https://www.biorxiv.org/content/10.1101/807156v2>

Zhu Z, Wang W, Lin F, Jordan T, Li G, Silverman S, Qiu S, Joy AA, Chen C, Hockley DL, Zhang X, Zhou Q, Postovit LM, Zhang X, Hou Y, Mackey JR, Li B, Ka-Shu Wong G:

Genome profiles of pathologist-defined cell clusters by multiregional LCM and G&T-seq in one triple-negative breast cancer patient

Cell Reports Medicine, Vol 2, Issue 10, 19 Oct 2021, 100404

<https://www.sciencedirect.com/science/article/pii/S2666379121002627>

Zimmerman M, Lestner J, Prideaux B, O'Brien P, Freedman I, Chen C, Dietzold J, Daudelin I, Kaya F, Blanc L, Chen PY, Park S, Salgame P, Sarathy J, Dartois V:

Ethambutol partitioning in tuberculous pulmonary lesions explains its clinical efficacy

Antimicrob Agents Chemother. 2017 Jul 10. pii: AAC.00924-17. doi: 10.1128/AAC.00924-17.

<http://aac.asm.org/content/early/2017/07/04/AAC.00924-17.full.pdf>

Zong L1, Hattori N, Yoda Y, Yamashita S, Takeshima H, Takahashi T, Maeda M, Katai H, Nanjo S, Ando T, Seto Y, Ushijima T:

Establishment of a DNA methylation marker to evaluate cancer cell fraction in gastric cancer

Gastric Cancer. 2015 Feb 13.

<http://dx.doi.org/10.1007/s10120-015-0475-2>

Zuo J, Wen M, Lei M, Peng X, Yang X, Liu Z:

MiR-210 Links Hypoxia with Cell Proliferation Regulation in Human Laryngocarcinoma Cancer

Journal of Cellular Biochemistry, 2014 Dec 18, DOI 10.1002/jcb.25059

<http://onlinelibrary.wiley.com/doi/10.1002/jcb.25059/abstract>

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8. Neurosciences

Adachi JI, Shirahata M, Suzuki T, Mishima K, Uchida E, Sasaki A, Nishikawa R:
Droplet digital PCR assay for detecting TERT promoter mutations in patients with glioma.
Brain Tumor Pathol. 2021 Jun 14. doi: 10.1007/s10014-021-00403-4.
<https://link.springer.com/article/10.1007/s10014-021-00403-4>

Aguado, C., Colon, J., Ciruela, F., Schlaudraff, F., Cabanero, M.J., Perry, C., Watanabe, M., Liss, B., Wickman, K., and Lujan, R.:
Cell type-specific subunit composition of G protein-gated potassium channels in the cerebellum
J Neurochem 105(2): 497-511 (2008)
<http://onlinelibrary.wiley.com/doi/10.1111/j.1471-4159.2007.05153.x/full>

Aguila J, Cheng S, Kee N, Cao M, Deng Q, Hedlund E:
Spatial transcriptomics and in silico random pooling identify novel markers of vulnerable and resistant dopamine neurons
bioRxiv 334417; Mar 2018; doi: <https://doi.org/10.1101/334417>
<https://www.biorxiv.org/content/early/2018/11/19/334417>

Aikawa H, Hayashi M, Ryu S, Yamashita M, Ohtsuka N, Nishidate M, Fujiwara Y, Hamada A:
Visualizing spatial distribution of alectinib in murine brain using quantitative mass spectrometry imaging
Sci Rep. 2016 Mar 30;6:23749. doi: 10.1038/srep23749.
<http://dx.doi.org/10.1038/srep23749>

Aizawa S, Gu T, Kaminoda A, Fujioka R, Ojima F, Sakata I, Sakai T, Ogoshi M, Takahashi S, Takeuchi S
Adenosine stimulates neuromedin U mRNA expression in the rat pars tuberalis
Mol Cell Endocrinol. 2019 Jul 22;496:110518. doi: 10.1016/j.mce.2019.110518.
<https://www.sciencedirect.com/science/article/pii/S0303720719302205#!>

Albino D, Brizzolara A, Moretti S, Falugi C, Mirisola V, Scaruffi P, Di Candia M, Truini M, Coco S, Bonassi S, Tonini GP:
Gene expression profiling identifies eleven DNA repair genes down-regulated during mouse neural crest cell migration
Int J Dev Biol. 2011;55(1):65-72.
<http://www.ijdb.ehu.es/web/paper.php?doi=10.1387/ijdb.092970da>

Albino D, Scaruffi P, Moretti S, Coco S, Truini M, Di Cristofano C, Cavazzana A, Stigliani S, Bonassi S, Tonini GP:
Identification of low intratumoral gene expression heterogeneity in neuroblastic tumors by genome-wide expression analysis and game theory
Cancer. 2008 Sep 15;113(6):1412-22.
<http://onlinelibrary.wiley.com/doi/10.1002/cncr.23720/abstract>

Allred MJ, Penikalapati SC, Lee SH, Heguy A, Roussos P, Ginsberg S:
Prolong Basal Forebrain Cholinergic Neurons Reveals a Molecular Basis for Vulnerability Within the Ts65Dn Model of Down Syndrome and Alzheimer's Disease
Research Square, BMC Molecular Neurodegeneration, 9 Oct 2020
<https://www.researchsquare.com/article/rs-88218/v1>

Allred MJ, Pidikiti H, Heguy A, Roussos P, Ginsberg SD:
Basal forebrain cholinergic neurons are vulnerable in a mouse model of Down syndrome and their molecular fingerprint is rescued by maternal choline supplementation
FASEB J. 2023 Jun;37(6):e22944. doi: 10.1096/fj.202202111RR.

<https://doi.org/10.1096/fj.202202111rr>

Allred MJ, Pidikiti H, Ibrahim KW, Lee SH, Heguy A, Hoffman GE, Roussos P, Wisniewski T, Wegiel J, Stutzmann GE, Mufson EJ, Ginsberg SD:

Analysis of microisolated frontal cortex excitatory layer III and V pyramidal neurons reveals a neurodegenerative phenotype in individuals with Down syndrome

Acta Neuropathol. 2024 Aug 6;148(1):16. doi: 10.1007/s00401-024-02768-0.

<https://doi.org/10.1007/s00401-024-02768-0>

Anderson KD, Pan L, Yang XM, Hughes VC, Walls JR, Dominguez MG, Simmons MV, Burfeind P, Xue Y, Wei Y, Macdonald LE, Thurston G, Daly C, Lin HC, Economides AN, Valenzuela DM, Murphy AJ, Yancopoulos GD, Gale NW:

Angiogenic sprouting into neural tissue requires Gpr124, an orphan G protein-coupled receptor

Proc Natl Acad Sci U S A. 2011 Feb 15;108(7):2807-12

<http://www.pnas.org/content/108/7/2807.short>

André EM, Daviaud N, Sindji L, Cayon J, Perrot R, Montero-Menei CN:

A novel ex vivo Huntington's disease model for studying GABAergic neurons and cell grafts by laser microdissection

PLoS One. 2018 Mar 5;13(3):e0193409. doi: 10.1371/journal.pone.0193409. eCollection 2018.

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0193409>

Andreska T, Rauskolb S, Scheffler N, Lüningschrör P, Sasi M, Signoret-Genest J, Behringer M, Blum R, Sauer M, Tovote P, Sendtner M:

Induction of BDNF expression in layer II/III and layer V neurons of the motor cortex is essential for motor learning

J Neurosci. 2020 Jul 10;JN-RM-0288-20. doi: 10.1523/JNEUROSCI.0288-20.2020.

<https://www.jneurosci.org/content/jneuro/early/2020/07/10/JNEUROSCI.0288-20.2020.full.pdf>

Aoyama M, Kakita H, Kato S, Tomita M, Asai K:

Region-specific expression of a water channel protein, aquaporin 4, on brain astrocytes

J Neurosci Res. 2012 Aug 18. doi: 10.1002/jnr.23117.

<http://dx.doi.org/10.1002/jnr.23117>

Arcila ML, Betizeau M, Cambronne XA, Guzman E, Doerflinger N, Bouhallier F, Zhou H, Wu B, Rani N, Bassett DS, Borello U, Huissoud C, Goodman RH, Dehay C, Kosik K:

Novel Primate miRNAs Coevolved with Ancient Target Genes in Germinal Zone-Specific Expression Patterns

Neuron. 2014 Feb 25. pii: S0896-6273(14)00022-1. doi: 10.1016/j.neuron.2014.01.017.

<http://www.sciencedirect.com/science/article/pii/S0896627314000221>

Arion D, Corradi JP, Tang S, Datta D, Boothe F, He A, Cacace AM, Zaczek R, Albright CF, Tseng G, Lewis DA :

Distinctive transcriptome alterations of prefrontal pyramidal neurons in schizophrenia and schizoaffective disorder

Mol Psychiatry. 2015 Jan 6. doi: 10.1038/mp.2014.171.

<http://dx.doi.org/10.1038/mp.2014.171>

Aung HH, Altman R, Nyunt T, Kim J, Nuthikattu S, Budamagunta M, Voss JC, Wilson D, Rutledge JC, Villablanca AC:

Induction of Lipotoxic Brain Microvascular Injury is Mediated by Activating Transcription Factor 3-Dependent Inflammatory and Oxidative Stress Pathways

The Journal of Lipid Research, jlr.M061853. Apr 17, doi: 10.1194/jlr.M061853

<http://www.jlr.org/content/early/2016/04/17/jlr.M061853.abstract>

Ayoub AE, Dominguez MH, Benoit J, Ortega JA, Radonjic N, Zecevic N, Rakic P:
Coordination of Neuron Production in Mouse and Human Cerebral Cortex by the Homolog of Drosophila Mastermind Protein

Brain Behav Evol. 2019 Aug 15;93(2-3):152-165. doi: 10.1159/000500494.
<https://www.karger.com/Article/PDF/500494>

Ayoub AE, Oh S, Xie Y, Leng J, Cotney J, Dominguez MH, Noonan JP, Rakic P:
Transcriptional programs in transient embryonic zones of the cerebral cortex defined by high-resolution mRNA sequencing

Proc Natl Acad Sci U S A. 2011 Aug 22
<http://www.pnas.org/content/early/2011/08/19/1112213108.short>

Baj G, Del Turco D, Schlaudraff J, Torelli L, Deller T, Tongiorgi E:
Regulation of the spatial code for BDNF mRNA isoforms in the rat hippocampus following pilocarpine-treatment: A systematic analysis using laser microdissection and quantitative real-time PCR

Hippocampus. 2013 Feb 25. doi: 10.1002/hipo.22100.
<http://onlinelibrary.wiley.com/doi/10.1002/hipo.22100/abstract>

Bakken TE, Miller JA, Ding SL, Sunkin SM, Smith KA, Ng L, Szafer A, Dalley RA, Royall JJ, Lemon T, Shapouri S, Aiona K, Arnold J, Bennett JL, Bertagnolli D, Bickley K, Boe A, Brouner K, Butler S, Byrnes E, Caldejon S, Carey A, Cate S, Chapin M, Chen J, Dee N, Desta T, Dolbeare TA, Dotson N, Ebbert A, Fuls E, Gee G, Gilbert TL, Goldy J, Gourley L, Gregor B, Gu G, Hall J, Haradon Z, Haynor DR, Hejazi N, Hoerder-Suabedissen A, Howard R, Jochim J, Kinnunen M, Kriedberg A, Kuan CL, Lau C, Lee CK, Lee F, Luong L, Mastan N, May R, Melchor J, Mosqueda N, Mott E, Ngo K, Nyhus J, Oldre A, Olson E, Parente J, Parker PD, Parry S, Pendergraft J, Potekhina L, Reding M, Riley ZL, Roberts T, Rogers B, Roll K, Rosen D, Sandman D, Sarreal M, Shapovalova N, Shi S, Sjoquist N, Sodt AJ, Townsend R, Velasquez L, Wagley U, Wakeman WB, White C, Bennett C, Wu J, Young R, Youngstrom BL, Wahnoutka P, Gibbs RA, Rogers J, Hohmann JG, Hawrylycz MJ, Hevner RF, Molnár Z, Phillips JW, Dang C, Jones AR, Amaral DG, Bernard A, Lein ES:

A comprehensive transcriptional map of primate brain development

Nature. 2016 Jul 13. doi: 10.1038/nature18637.
<http://dx.doi.org/10.1038/nature18637>

Baldassari S, Ribierre T, Marsan E, Adle-Biasette H, Ferrand-Sorbets S, Bulteau C, Dorison N, Fohlen M, Polivka M, Weckhuysen S, Dorfmueller G, Chipaux M, Baulac S:

Dissecting the genetic basis of focal cortical dysplasia: a large cohort study

Acta Neuropathol. 2019 Aug 23. doi: 10.1007/s00401-019-02061-5.
<https://link.springer.com/content/pdf/10.1007%2Fs00401-019-02061-5.pdf>

Baldassari S, Klingler E, Teijeiro LG, Doladilhe M, Raoux C, Roig-Puiggros S, Bizzotto S, Couturier J, Gilbert A, Sami L, Ribierre T, Aronica E, Adle-Biasette H, Chipaux M, Jabaudon D, Baulac S:

Single-cell genotyping and transcriptomic profiling of mosaic focal cortical dysplasia

Nat Neurosci. 2025 Apr 30. doi: 10.1038/s41593-025-01936-z.
<https://doi.org/10.1038/s41593-025-01936-z>

Ban N, Siegfried CJ, Lin JB, Shui YB, Sein J, Pita-Thomas W, Sene A, Santeford A, Gordon M, Lamb R, Dong Z, Kelly SC, Cavalli V, Yoshino J, Apte RS:

GDF15 is elevated in mice following retinal ganglion cell death and in glaucoma patients

JCI Insight. 2017 May 4;2(9). pii: 91455. doi: 10.1172/jci.insight.91455.
<https://insight.jci.org/articles/view/91455/pdf>

Bandyopadhyay U, Cotney J, Nagy M, Oh S, Leng J, Mahajan M, Mane S, Fenton WA, Noonan JP, Horwich AL:

RNA-Seq Profiling of Spinal Cord Motor Neurons from a Presymptomatic SOD1 ALS Mouse

PLoS ONE 8(1): e53575. doi:10.1371/journal.pone.0053575
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0053575>

Bandyopadhyay U, Fenton WA, Horwich AL, Nagy M:
Production of RNA for transcriptomic analysis from mouse spinal cord motor neuron cell bodies by laser capture microdissection
J Vis Exp. 2014 Jan 13;(83). doi: 10.3791/51168.
<http://dx.doi.org/10.3791/51168>

Baquedano MS, Garrido NP, Goñi J, Saraco N, Aliberti P, Berensztejn E, Rivarola MA, Belgorosky A:
DNA methylation is not involved in specific down-regulation of HSD3B2, NR4A1 and RAR β genes in androgen-secreting cells of human adrenal cortex
Molecular and Cellular Endocrinology, 23 Sep 2016, ISSN 0303-7207
<http://dx.doi.org/10.1016/j.mce.2016.09.024>

Bas Orth C., Vlachos A., Del Turco D., Burbach G.J., Haas C.A., Mundel P., Feng G., Frotscher M., and Deller T.:
Lamina-specific distribution of Synaptopodin, an actin-associated molecule essential for the spine apparatus, in identified principal cell dendrites of the mouse hippocampus
J Comp Neurol 487(3): 227-239 (2005)
<http://onlinelibrary.wiley.com/doi/10.1002/cne.20539/full>

Becker D, Deller T, Vlachos A:
Tumor necrosis factor (TNF)-receptor 1 and 2 mediate homeostatic synaptic plasticity of denervated mouse dentate granule cells
Sci Rep. 2015 Aug 6;5:12726. doi: 10.1038/srep12726.
<http://dx.doi.org/10.1038/srep12726>

Becker D, Zahn N, Deller T, and Vlachos A:
Tumor necrosis factor alpha maintains denervation-induced homeostatic synaptic plasticity of mouse dentate granule cells
Front. Cell. Neurosci. | doi: 10.3389/fncel.2013.00257
<http://www.nature.com/srep/2015/150806/srep12726/pdf/srep12726.pdf>

Ben-Kraiem A, Sauer RS, Norwig C, Popp M, Bettenhausen AL, Atalla MS, Brack A, Blum R, Doppler K, Rittner HL:
Selective blood-nerve barrier leakiness with claudin-1 and vessel-associated macrophage loss in diabetic polyneuropathy
J Mol Med (Berl). 2021 May 21. doi: 10.1007/s00109-021-02091-1.
<https://link.springer.com/content/pdf/10.1007/s00109-021-02091-1.pdf>

Bender A, Desplats P, Spencer B, Rockenstein E, Adame A, Elstner M, Laub C, Mueller S, Koob AO, Mante M, Pham E, Klopstock T, Masliah E:
TOM40 mediates mitochondrial dysfunction induced by α -synuclein accumulation in Parkinson's disease
PLoS One. 2013 Apr 23;8(4):e62277.
<http://dx.plos.org/10.1371/journal.pone.0062277>

Bender, A., Krishnan, K.J., Morris, C.M., Taylor, G.A., Reeve, A.K., Perry, R.H., Jaros, E., Hersheson, J.S., Betts, J., Klopstock, T., Taylor, R.W., and Turnbull, D.M.:
High levels of mitochondrial DNA deletions in substantia nigra neurons in aging and Parkinson disease
Nat Genet 38(5): 515-517 (2006)
<http://www.nature.com/ng/journal/v38/n5/full/ng1769.html>

Benkert J, Hess S, Roy S, Beccano-Kelly D, Wiederspohn N, Duda J, Simons C, Patil K, Gaifullina A, Mannal N, Dragicevic E, Spaich D, Müller S, Nemeth J, Hollmann H, Deuter N, Mousba Y, Kubisch C, Poetschke C, Striessnig J, Pongs O, Schneider T, Wade-Martins R, Patel S, Parlato R, Frank T, Kloppenburg P & Liss B:

Cav2.3 channels contribute to dopaminergic neuron loss in a model of Parkinson's disease

Nat Commun 10, 5094 (8 Nov 2019) doi:10.1038/s41467-019-12834-x

<https://www.nature.com/articles/s41467-019-12834-x>

Benner S, Endo T, Endo N, Kakeyama M, Tohyama C:

Early deprivation induces competitive subordination in C57BL/6 male mice

Physiol Behav. 2014 Jul 30;137C:42-52. doi: 10.1016/j.physbeh.2014.06.018.

[http://linkinghub.elsevier.com/retrieve/pii/S0031-9384\(14\)00355-2](http://linkinghub.elsevier.com/retrieve/pii/S0031-9384(14)00355-2)

Benner S, Kakeyama M, Endo T, Yoshioka W, Tohyama C:

Application of NeuroTrace staining in the fresh frozen brain samples to laser microdissection combined with quantitative RT-PCR analysis

BMC Res Notes. 2015 Jun 20;8:252. doi: 10.1186/s13104-015-1222-9.

<http://www.biomedcentral.com/1756-0500/8/252>

Benoit J, Ayoub AE, Rakic P:

Transcriptomics of critical period of visual cortical plasticity in mice

Proc Natl Acad Sci U S A. 2015 Jun 15. pii: 201509323.

<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=26080443>

Bernard A, Lubbers LS, Tanis KQ, Luo R, Podtelezhnikov AA, Finney EM, McWhorter MM, Serikawa K, Lemon T, Morgan R, Copeland C, Smith K, Cullen V, Davis-Turak J, Lee CK, Sunkin SM, Loboda AP, Levine DM, Stone DJ, Hawrylycz MJ, Roberts CJ, Jones AR, Geschwind DH, Lein ES:

Transcriptional architecture of the primate neocortex

Neuron. 2012 Mar 22;73(6):1083-99.

[http://linkinghub.elsevier.com/retrieve/pii/S0896-6273\(12\)00225-5](http://linkinghub.elsevier.com/retrieve/pii/S0896-6273(12)00225-5)

Betts, J., Jaros, E., Perry, R.H., Schaefer, A.M., Taylor, R.W., Abdel-All, Z., Lightowlers, R.N., and Turnbull, D.M.:

Molecular neuropathology of MELAS: level of heteroplasmy in individual neurones and evidence of extensive vascular involvement

Neuropathol Appl Neurobiol 32(4): 359-373 (2006)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2990.2006.00731.x/full>

Blaudin de Thé FX:

Engrailed, an anti-ageing homeoprotein

thesis, 2015

<http://www.theses.fr/2015PA066204>

Blaudin de Thé FX, Rekaik H, Peze-Heidsieck E, Massiani-Beaudoin O, Joshi RL, Fuchs J, Prochiantz A:

Engrailed homeoprotein blocks degeneration in adult dopaminergic neurons through LINE-1 repression

EMBO J. 2018 Jun 25. pii: e97374. doi: 10.15252/embj.201797374.

<http://emboj.embopress.org/cgi/pmidlookup?view=long&pmid=29941661>

Boehm, C., Newrzella, D., Herberger, S., Schramm, N., Eisenhardt, G., Schenk, V., Sonntag-Buck, V., and Sorgenfrei, O.:

Effects of antidepressant treatment on gene expression profile in mouse brain: cell type-specific transcription profiling using laser microdissection and microarray analysis

J Neurochem (2006)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1471-4159.2006.03750.x/full>

Böing C, Di Fabrizio M, Burger D, Bol JGJM, Huisman E, Rozemuller AJM, van de Berg WDJ, Stahlberg H, Lewis AJ:

Distinct ultrastructural phenotypes of glial and neuronal alpha-synuclein inclusions in multiple system atrophy

Brain. 2024 May 2;awae137. doi: 10.1093/brain/awae137.

<https://doi.org/10.1093/brain/awae137>

Bohm, C., Newrzella, D., and Sorgenfrei, O.:

Laser microdissection in CNS research

Drug Discov Today 10(17): 1167-1174 (2005)

[http://dx.doi.org/10.1016/S1359-6446\(05\)03555-5](http://dx.doi.org/10.1016/S1359-6446(05)03555-5)

Bolis, A., Coviello, S., Bussini, S., Dina, G., Pardini, C., Previtali, S.C., Malaguti, M., Morana, P., Del Carro, U., Feltri, M.L., Quattrini, A., Wrabetz, L., and Bolino, A.:

Loss of Mtmr2 phosphatase in Schwann cells but not in motor neurons causes Charcot-Marie-Tooth type 4B1 neuropathy with myelin outfoldings

J Neurosci 25(37): 8567-8577 (2005)

<http://www.jneurosci.org/content/25/37/8567.long>

Bonduelle T, Hartlieb T, Baldassari S, Sim NS, Kim SH, Kang HC, Kobow K, Coras R, Chipaux M, Dorfmueller G, Adle-Biassette H, Aronica E, Lee JH, Blumcke I, Baulac S:

Frequent SLC35A2 brain mosaicism in mild malformation of cortical development with oligodendroglial hyperplasia in epilepsy (MOGHE)

Acta Neuropathol Commun. 2021 Jan 6;9(1):3. doi: 10.1186/s40478-020-01085-3.

<https://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-020-01085-3>

Boon BDC, Bulk M, Jonker AJ, Morrema THJ, van den Berg E, Popovic M, Walter J, Kumar S, van der Lee SJ, Holstege H, Zhu X, Van Nostrand WE, Natté R, van der Weerd L, Bouwman FH, van de Berg WDJ, Rozemuller AJM, Hoozemans JJM:

The coarse-grained plaque: a divergent A β plaque-type in early-onset Alzheimer's disease

Acta Neuropathol. 2020 Sep 14. doi: 10.1007/s00401-020-02198-8.

<https://link.springer.com/article/10.1007/s00401-020-02198-8>

Boonstra, R., Koning, A., Mastik, M., van den Berg, A., and Poppema, S.:

Analysis of chromosomal copy number changes and oncoprotein expression in primary central nervous system lymphomas: frequent loss of chromosome arm 6q

Virchows Arch 443(2): 164-169 (2003)

<http://www.springerlink.com/content/b1am9dkhxtu33uch/>

Bouçanova F, Pollmeier G, Sandor K, Morado Urbina C, Nijssen J, Médard JJ, Bartesaghi L, Pellerin L, Svensson CI, Hedlund E, Chrast R:

Disrupted function of lactate transporter MCT1, but not MCT4, in Schwann cells affects the maintenance of motor end-plate innervation

Glia. 2020 Jul 20. doi: 10.1002/glia.23889.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/glia.23889>

Bridel C, van Gils JHM, Miedema SSM, Hoozemans JJM, Pijnenburg YAL, Smit AB, Rozemuller AJM, Abeln S, Teunissen CE:

Clusters of co-abundant proteins in the brain cortex associated with fronto-temporal lobar degeneration

Alzheimers Res Ther. 2023 Mar 23;15(1):59. doi: 10.1186/s13195-023-01200-1.

<https://doi.org/10.1186/s13195-023-01200-1>

Bridel C, van Gils JHM, Miedema SSM, Hoozemans JJ, Pijnenburg YAL, Smit AB, Rozemuller AJM, Abeln S, Teunissen CE:

Clusters of co-regulated proteins in brain cortex associate with fronto-temporal lobar degeneration

Research Square, 11th November 2022

<https://doi.org/10.21203/rs.3.rs-2247528/v1>

Brilli E, Reitano E, Conti L, Conforti P, Gulino R, Consalez GG, Cesana E, Smith A, Rossi F, Cattaneo E:

Neural stem cells engrafted in the adult brain fuse with endogenous neurons

Stem Cells Dev. 2013 Feb 15;22(4):538-47. doi: 10.1089/scd.2012.0530.

<http://dx.doi.org/10.1089/scd.2012.0530>

Burbach, G.J., Dehn, D., Del Turco, D., and Deller, T.:

Quantification of layer-specific gene expression in the hippocampus: effective use of laser microdissection in combination with quantitative RT-PCR

J Neurosci Methods 131(1-2): 83-91 (2003)

[http://dx.doi.org/10.1016/S0165-0270\(03\)00232-2](http://dx.doi.org/10.1016/S0165-0270(03)00232-2)

Burbach, G.J., Dehn, D., Del Turco, D., Staufenbiel, M., and Deller, T.:

Laser microdissection reveals regional and cellular differences in GFAP mRNA upregulation following brain injury, axonal denervation, and amyloid plaque deposition

Glia 48(1): 76-84 (2004)

<http://onlinelibrary.wiley.com/doi/10.1002/glia.20057/full>

Burbach, G.J., Dehn, D., Nagel, B., Del Turco, D., and Deller, T.:

Laser microdissection of immunolabeled astrocytes allows quantification of astrocytic gene expression

J Neurosci Methods 138(1-2): 141-148 (2004)

<http://dx.doi.org/10.1016/j.jneumeth.2004.03.022>

Burbach, G.J., Hellweg, R., Haas, C.A., Del Turco, D., Deicke, U., Abramowski, D., Jucker, M., Staufenbiel, M., and Deller, T.:

Induction of brain-derived neurotrophic factor in plaque-associated glial cells of aged APP23 transgenic mice

J Neurosci 24(10): 2421-2430 (2004)

<http://www.jneurosci.org/content/24/10/2421.long>

Cahill JF, Kertesz V, Porta T, Yves LeBlanc JC, Heeren RMA, Van Berkel GJ:

Solvent Effects on Differentiation of Mouse Brain Tissue Using Laser Microdissection 'Cut and Drop' Sampling with Direct Mass Spectral Analysis

Rapid Commun Mass Spectrom. 2018 Jan 3. doi: 10.1002/rcm.8053.

<http://onlinelibrary.wiley.com/doi/10.1002/rcm.8053/full>

Campbell GR, Reeve A, Ziabreva I, Polvikoski TM, Taylor RW, Reynolds R, Turnbull DM, Mahad DJ:

Mitochondrial DNA deletions and depletion within paraspinal muscles

Neuropathol Appl Neurobiol. 2012 Jul 5. doi: 10.1111/j.1365-2990.2012.01290.x

<http://dx.doi.org/10.1111/j.1365-2990.2012.01290.x>

Campbell GR, Ziabreva I, Reeve AK, Krishnan KJ, Reynolds R, Howell O, Lassmann H, Turnbull DM, Mahad DJ:

Mitochondrial DNA deletions and neurodegeneration in multiple sclerosis

Ann Neurol 69(3):481-92 (2011)

<http://onlinelibrary.wiley.com/doi/10.1002/ana.22109/full>

Cao J, Ni J, Ma W, Shiu V, Milla LA, Park S, Spletter ML, Tang S, Zhang J, Wei X, Kim SK, Scott MP:

Insight into Insulin Secretion from Transcriptome and Genetic Analysis of Insulin-Producing Cells of *Drosophila*

Genetics. 2014 Feb 20.

<http://www.genetics.org/content/early/2014/02/18/genetics.113.160663.full.pdf+html>

Castelli MP, Spiga S, Perra A, Madeddu C, Mulas G, Ennas MG, Gessa GL:

α 2A adrenergic receptors highly expressed in mesoprefrontal dopamine neurons

Neuroscience. 2016 Jun 27. pii: S0306-4522(16)30276-7. doi: 10.1016/j.neuroscience.2016.06.037.

[http://linkinghub.elsevier.com/retrieve/pii/S0306-4522\(16\)30276-7](http://linkinghub.elsevier.com/retrieve/pii/S0306-4522(16)30276-7)

Cebrián C, Zucca FA, Mauri P, Steinbeck JA, Studer L, Scherzer CR, Kanter E, Budhu S, Mandelbaum J, Vonsattel JP, Zecca L, Loike JD, Sulzer D:

MHC-I expression renders catecholaminergic neurons susceptible to T-cell-mediated degeneration

Nat Commun. 2014 Apr 16;5:3633. doi: 10.1038/ncomms4633.

<http://dx.doi.org/10.1038/ncomms4633>

Chabrat A :

Role of Lmx1a and Lmx1b Transcription Factors in Post-Mitotic Midbrain Dopaminergic Neurons

Thesis, 2016

<https://corpus.ulaval.ca/server/api/core/bitstreams/9ac6f188-e05a-4ea1-ae93-5c376753df65/content>

Chakrabarti S, Makhmut A, Mohammadi A, Luo W, Wang L, Lewin GR, Coscia F:

Ultrasensitive proteomics uncovers nociceptor diversity and novel pain targets

bioRxiv, Sept 21, 2025

<https://doi.org/10.1101/2025.09.20.677124>

Chandler DJ, Gao WJ, Waterhouse BD:

Heterogeneous organization of the locus coeruleus projections to prefrontal and motor cortices

Proc Natl Acad Sci U S A. 2014 Apr 21.

<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=24753596>

Chatzi C, Zhang G, Hendricks W, Chen Y, Schnell E, Goodman RH, Westbrook GL:

Exercise-induced enhancement of synaptic function triggered by the inverse BAR protein, Mtss1L

bioRxiv, Feb. 9, 2019, <http://dx.doi.org/10.1101/545582>doi:

<https://www.biorxiv.org/content/biorxiv/early/2019/02/09/545582.full.pdf>

Chen H, Dzitoyeva S, Manev H:

5-Lipoxygenase in mouse cerebellar Purkinje cells

Neuroscience. 2010 Dec 1;171(2):383-9

<http://dx.doi.org/10.1016/j.neuroscience.2010.09.019>

Chen Y, Chen X, Baserdem B, Zhan H, Li Y, Davis MB, Kebschull JM, Zador AM, Koulakov AA, Albeanu DF:

High-throughput sequencing of single neuron projections reveals spatial organization in the olfactory cortex

Cell. 2022 Oct 27;185(22):4117-4134.e28. doi: 10.1016/j.cell.2022.09.038.

<https://doi.org/10.1016/j.cell.2022.09.038>

Chen YB, Jiang B, Zhuang K, Wang H, Peng HM, Zhong BW, Xie WT, Chen KW, Zou TT, Wang Y, Yang HL, Yang Q, Zhou J, Zhong L, Zhang LH, Zhang J:

Hyperactivity of subicular parvalbumin interneurons drives early amyloid pathology and cognitive deficits in Alzheimer's disease

Mol Psychiatry. 2025 Sep 6. doi: 10.1038/s41380-025-03217-4.

<https://doi.org/10.1038/s41380-025-03217-4>

Chiba Y, Yamada T, Tsukita S, Takahashi K, Munakata Y, Shirai Y, Kodama S, Asai Y, Sugisawa T, Uno K, Sawada S, Imai J, Nakamura K, Katagiri H:

Dapagliflozin, a Sodium-Glucose Co-Transporter 2 Inhibitor, Acutely Reduces Energy Expenditure in BAT via Neural Signals in Mice

PLoS One. 2016 Mar 10;11(3):e0150756. doi: 10.1371/journal.pone.0150756. eCollection 2016.

<http://dx.plos.org/10.1371/journal.pone.0150756>

Choi, J.Y., Beaman-Hall, C.M., and Vallano, M.L.:

Granule neurons in cerebellum express distinct splice variants of the inositol trisphosphate receptor that are modulated by calcium

Am J Physiol Cell Physiol 287(4): C971-980 (2004)

<http://ajpcell.physiology.org/content/287/4/C971.long>

Chrobok L, Northeast RC, Myung J, Cunningham PS, Petit C, Piggins HD:

Timekeeping in the hindbrain: a multi-oscillatory circadian centre in the mouse dorsal vagal complex

Commun Biol. 2020 May 8;3(1):225. doi: 10.1038/s42003-020-0960-y.

<https://www.nature.com/articles/s42003-020-0960-y.pdf>

Chung DW:

Role of ERBB4 Splicing in Parvalbumin Interneuron Maturation and Schizophrenia

Thesis, 2016

http://d-scholarship.pitt.edu/29076/1/CHUNG_THESIS_Final_Revised_Final_1.pdf

Chung SH, Shen W:

Laser capture microdissection: from its principle to applications in research on neurodegeneration

Neural Regeneration Research, June 2015, Volume 10, Issue 6

<http://www.sjzsyj.org/CN/article/openArticlePDF.jsp?id=1385>

Cifuentes M, Baeza V, Arrabal PM, Visser R, Grondona JM, Saldivia N, Martínez F, Nualart F, Salazar K:

Expression of a Novel Ciliary Protein, IIG9, During the Differentiation and Maturation of Ependymal Cells

Mol Neurobiol. 2017 Feb 13. doi: 10.1007/s12035-017-0434-5.

<https://dx.doi.org/10.1007/s12035-017-0434-5>

Claverie D, Cressant A, Thomasson J, Castellarin C, Grandperret V, Barbier L, Troubat R, Canini F, Belzung C, El-Hage W:

rTMS mechanisms for posttraumatic stress disorder treatment in a mouse model

Journal of Psychiatric Research, 28 Aug 2024, S0022-3956(24)00506-5

<https://doi.org/10.1016/j.jpsychires.2024.08.041>

Coco, S., Defferrari, R., Scaruffi, P., Cavazzana, A., Di Cristofano, C., Longo, L., Mazzocco, K., Perri, P., Gambini, C., Moretti, S., Bonassi, S., and Tonini, G.P.:

Genome analysis and gene expression profiling of neuroblastoma and ganglioneuroblastoma reveal differences between neuroblastic and Schwannian stromal cells

J Pathol 207(3): 346-357 (2005)

<http://onlinelibrary.wiley.com/doi/10.1002/path.1843/full>

Colombat M, Barres B, Renaud C, Ribes D, Pericard S, Camus M, Anesia R, van Acker N, Chauveau D, Burlet-Schiltz O, Brousset P, Valleix S:

Mass spectrometry-based proteomic analysis of parathyroid adenomas reveals PTH as a new human hormone-derived amyloid fibril protein

Amyloid. 2021 Feb 13;1-5. doi: 10.1080/13506129.2021.1885023.

<https://www.tandfonline.com/doi/abs/10.1080/13506129.2021.1885023>

Comba A, Dunn PJ, Kish PE, Kadiyala P, Kahana A, Castro MG, Lowenstein PR:
Laser Capture Microdissection of Glioma Subregions for Spatial and Molecular Characterization of Intratumoral Heterogeneity, Oncostreams, and Invasion
J Vis Exp. 2020 Apr 12;(158). doi: 10.3791/60939.
<https://www.jove.com/video/60939/laser-capture-microdissection-glioma-subregions-for-spatial-molecular>

Costa, E., Auta, J., Grayson, D.R., Matsumoto, K., Pappas, G.D., Zhang, X., and Guidotti, A.:
GABAA receptors and benzodiazepines: a role for dendritic resident subunit mRNAs
Neuropharmacology 43(6): 925-937 (2002)
[http://dx.doi.org/10.1016/S0028-3908\(02\)00199-5](http://dx.doi.org/10.1016/S0028-3908(02)00199-5)

Cuadrado E, Rosell A, Penalba A, Slevin M, Alvarez-Sabín J, Ortega-Aznar A, Montaner J:
Vascular MMP-9/TIMP-2 and neuronal MMP-10 up-regulation in human brain after stroke: a combined laser microdissection and protein array study
J Proteome Res. 2009 Jun;8(6):3191-7. doi: 10.1021/pr801012x.
<http://dx.doi.org/10.1021/pr801012x>

Danzi MC, Motti D, Avison DJ, Bixby JL, Lemmon VP:
Treatment with analgesics after mouse sciatic nerve injury does not alter expression of wound healing-associated genes
NEURAL REGENERATION RESEARCH, January 2016, Volume 11, Issue 1
http://www.nrronline.org/temp/NeuralRegenRes111144-2061052_054330.pdf

Datson NA, Meijer L, Steenbergen PJ, Morsink MC, van der Laan S, Meijer OC, and de Kloet ER:
Expression profiling in laser-microdissected hippocampal subregions in rat brain reveals large subregion-specific differences in expression
Eur J Neurosci 20(10): 2541-2554 (2004)
<http://onlinelibrary.wiley.com/doi/10.1111/j.1460-9568.2004.03738.x/full>

Datta D, Arion D, Corradi JP and Lewis AL:
Altered expression of CDC42 signaling pathway components in cortical layer 3 pyramidal cells in schizophrenia
Biological Psychiatry, 2015 Apr 10; doi: 10.1016/j.biopsych.2015.03.030
<http://www.biologicalpsychiatryjournal.com/article/S0006-3223%2815%2900285-1/abstract>

Datta D, Arion D and Lewis DA:
Developmental Expression Patterns of GABAA Receptor Subunits in Layer 3 and 5 Pyramidal Cells of Monkey Prefrontal Cortex
Cereb. Cortex (2014) doi: 10.1093/cercor/bhu040; March 7, 2014
<http://cercor.oxfordjournals.org/content/early/2014/03/06/cercor.bhu040.abstract>

Datta D, Arion D, Roman KM, Volk DW, Lewis DA:
Altered Expression of ARP2/3 Complex Signaling Pathway Genes in Prefrontal Layer 3 Pyramidal Cells in Schizophrenia
Am J Psychiatry. 2016 Aug 13;appiajp201616020204.
http://psychiatryonline.org/doi/abs/10.1176/appi.ajp.2016.16020204?url_ver=Z39.88-2003&rft_id=ori:rid:crossref.org&rft_dat=cr_pub%3dpubmed

Davis S, Scott C, Oetjen J, Charles PD, Kessler BM, Ansorge O, Fischer R:
Deep topographic proteomics of a human brain tumour
Nat Commun. 2023 Nov 24;14(1):7710. doi: 10.1038/s41467-023-43520-8.
<https://doi.org/10.1038/s41467-023-43520-8>

de Campo DM, Cameron JL, Miano JM, Lewis DA, Mimics K, Fudge JL:

Maternal deprivation alters expression of neural maturation gene tbr1 in the amygdala paralaminar nucleus in infant female macaques

Dev Psychobiol. 2016 Dec 4. doi: 10.1002/dev.21493.

<http://dx.doi.org/10.1002/dev.21493>

De Paola E, Forcina L, Pelosi L, Pisu S, La Rosa P, Cesari E, Nicoletti C, Madaro L, Mercatelli N, Biamonte F, Nobili A, D'Amelio M, De Bardi M, Volpe E, Caporossi D, Sette C, Musarò A, Paronetto MP: **Sam68 splicing regulation contributes to motor unit establishment in the postnatal skeletal muscle**

Life Sci Alliance. 2020 Aug 4;3(10):e201900637. doi: 10.26508/lsa.201900637.

<https://www.life-science-alliance.org/content/lsa/3/10/e201900637.full.pdf>

de Retana SF, Marazuela P, Solé M, Colell G, Bonaterra A, Sánchez-Quesada JL, Montaner J, MasPOCH D, Cano-Sarabia M, Hernández-Guillamón M:

Peripheral administration of human recombinant ApoJ/clusterin modulates brain beta-amyloid levels in APP23 mice

Alzheimers Res Ther. 2019 May 10;11(1):42. doi: 10.1186/s13195-019-0498-8.

<https://alzres.biomedcentral.com/articles/10.1186/s13195-019-0498-8>

Dehn, D., Burbach, G.J., Schafer, R., and Deller, T.:

NG2 upregulation in the denervated rat fascia dentata following unilateral entorhinal cortex lesion

Glia 53(5): 491-500 (2006)

<http://onlinelibrary.wiley.com/doi/10.1002/glia.20307/full>

Del Turco D, Paul MH, Schlaudraff J, Hick M, Endres K, Müller UC, and Deller T:

Region-Specific Differences in Amyloid Precursor Protein Expression in the Mouse Hippocampus

Front. Mol. Neurosci., 29 November 2016

<http://dx.doi.org/10.3389/fnmol.2016.00134>

Del Turco D, Schlaudraff J, Bonin M, Deller T:

Upregulation of APP, ADAM10 and ADAM17 in the Denervated Mouse Dentate Gyrus

PLoS ONE 9(1): e84962. doi:10.1371/journal.pone.0084962

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0084962>

Delvaux E, Mastroeni D, Nolz J, Coleman PD:

Novel method to ascertain chromatin accessibility at specific genomic loci from frozen brain homogenates and laser capture microdissected defined cells

Neuroepigenetics, 17 Mar 2016, doi:10.1016/j.nepig.2016.03.001

<http://www.sciencedirect.com/science/article/pii/S2214784515300128>

Deng W, Xing C, David R, Mastreoni D, Ning MM, Lo EH, Coleman PD:

AmpliSeq Transcriptome of Laser Captured Neurons from Alzheimer Brain: Comparison of Single Cell Versus Neuron Pools

Aging and Disease, Volume 10, Number 6; xxx-xx, December 2019

<http://dx.doi.org/10.14336/AD.2019.0225>

Di Chiaro P, Nacci L, Arco F, Brandini S, Polletti S, Palamidessi A, Donati B, Soriani C, Gualdrini F, Frigè G, Mazzarella L, Ciarrocchi A, Zerbi A, Spaggiari P, Scita G, Rodighiero S, Barozzi I, Diaferia GR, Natoli G:

Mapping functional to morphological variation reveals the basis of regional extracellular matrix subversion and nerve invasion in pancreatic cancer

Cancer Cell. 2024 Mar 18:S1535-6108(24)00079-5. doi: 10.1016/j.ccell.2024.02.017.

<https://doi.org/10.1016/j.ccell.2024.02.017>

Dienel SJ, Bazmi HH, Lewis DA:

Development of transcripts regulating dendritic spines in layer 3 pyramidal cells of the monkey prefrontal cortex: Implications for the pathogenesis of schizophrenia

Neurobiol Dis. 2017 May 30. pii: S0969-9961(17)30125-0. doi: 10.1016/j.nbd.2017.05.016.
[https://linkinghub.elsevier.com/retrieve/pii/S0969-9961\(17\)30125-0](https://linkinghub.elsevier.com/retrieve/pii/S0969-9961(17)30125-0)

Diodato A, Ruinart de Brimont M, Yim YS, Derian N, Perrin S, Pouch J, Klatzmann D, Garel S, Choi GB, Fleischmann A:

Molecular signatures of neural connectivity in the olfactory cortex

Nat Commun. 2016 Jul 18;7:12238. doi: 10.1038/ncomms12238.
<http://www.nature.com/ncomms/2016/160718/ncomms12238/full/ncomms12238.html>

Doi M, Murai I, Kunisue S, Setsu G, Uchio N, Tanaka R, Kobayashi S, Shimatani H, Hayashi H, Chao HW, Nakagawa Y, Takahashi Y, Hotta Y, Yasunaga J, Matsuoka M, Hastings MH, Kiyonari H, Okamura H:

Gpr176 is a Gz-linked orphan G-protein-coupled receptor that sets the pace of circadian behaviour

Nat Commun. 2016 Feb 17;7:10583. doi: 10.1038/ncomms10583.
<http://dx.doi.org/10.1038/ncomms10583>

Dornieden S, Müller-Schiffmann A, Sticht H, Jiang N, Cinar Y, Wördehoff M, Korth C, Funke SA, Willbold D:

Characterization of a single-chain variable fragment recognizing a linear epitope of a β : a biotechnical tool for studies on Alzheimer's disease?

PLoS One. 2013;8(3):e59820. doi: 10.1371/journal.pone.0059820.
<http://dx.plos.org/10.1371/journal.pone.0059820>

Doucet-Beaupré H, Gilbert C, Profes MS, Chabrat A, Pacelli C, Giguère N, Rioux V, Charest J, Deng Q, Laguna A, Ericson J, Perlmann T, Ang SL, Cicchetti F, Parent M, Trudeau LE, Lévesque M :

Lmx1a and Lmx1b regulate mitochondrial functions and survival of adult midbrain dopaminergic neurons

Proc Natl Acad Sci U S A. 2016 Jul 12. pii: 201520387.
<http://www.pnas.org/cgi/lookup?view=long&pmid=27407143>

Dowling KF, Dienel SJ, Barile Z, Bazmi HH, Lewis DA:

Localization and Diagnostic Specificity of Glutamic Acid Decarboxylase Transcript Alterations in the Dorsolateral Prefrontal Cortex in Schizophrenia

Biol Psychiatry. 2023 Apr 13:S0006-3223(23)01199-X. doi: 10.1016/j.biopsych.2023.04.003.
<https://doi.org/10.1016/j.biopsych.2023.04.003>

Dragicevic E, Poetschke C, Duda J, Schlaudraff F, Lammel S, Schiemann J, Fauler M, Hetzel A, Watanabe M, Lujan R, Malenka RC, Striessnig J, Liss B:

Cav1.3 channels control D2-autoreceptor responses via NCS-1 in substantia nigra dopamine neurons

Brain. 2014 Jun 16. pii: awu131.
<http://brain.oxfordjournals.org/content/early/2014/06/16/brain.awu131.full>

Drexel M, Puhakka N, Kirchmair E, Hörtnagl H, Pitkänen A, Sperk G:

Expression of GABA receptor subunits in the hippocampus and thalamus after experimental traumatic brain injury

Neuropharmacology. 2014 Sep 16. pii: S0028-3908(14)00306-2. doi: 10.1016/j.neuropharm.2014.08.023.
<http://www.sciencedirect.com/science/article/pii/S0028390814003062>

Drummond E, Kavanagh T, Pires G, Ariza MM, Kanshin E, Nayak S, Faustin A, Berdah V, Ueberheide B, Wisniewski T:

The Amyloid Plaque Proteome in Early Onset Alzheimer's Disease and Down Syndrome

Resresearch Square, 8 Feb 2022, DOI: <https://doi.org/10.21203/rs.3.rs-1316035/v1>
<https://www.researchsquare.com/article/rs-1316035/v1>

Drummond E, Nayak S, Faustin A, Pires G, Hickman RA, Askenazi M, Cohen M, Haldiman T, Kim C, Han X, Shao Y, Safar JG, Ueberheide B, Wisniewski T:

Proteomic differences in amyloid plaques in rapidly progressive and sporadic Alzheimer's disease
Acta Neuropathol. 2017 Mar 4. doi: 10.1007/s00401-017-1691-0.
<https://dx.doi.org/10.1007/s00401-017-1691-0>

Drummond E, Nayak S, Pires G, Ueberheide B, Wisniewski T:

Isolation of Amyloid Plaques and Neurofibrillary Tangles from Archived Alzheimer's Disease Tissue Using Laser-Capture Microdissection for Downstream Proteomics

Methods Mol Biol. 2018;1723:319-334. doi: 10.1007/978-1-4939-7558-7_18
https://link.springer.com/protocol/10.1007/978-1-4939-7558-7_18

Drummond ES, Nayak S, Ueberheide B, Wisniewski T:

Proteomic analysis of neurons microdissected from formalin-fixed, paraffin-embedded Alzheimer's disease brain tissue

Sci Rep. 2015 Oct 21;5:15456. doi: 10.1038/srep15456.
<http://dx.doi.org/10.1038/srep15456>

Duda J, Fauler M, Gründemann J, Liss B:

Cell-Specific RNA Quantification in Human SN DA Neurons from Heterogeneous Post-mortem Midbrain Samples by UV-Laser Microdissection and RT-qPCR

Methods Mol Biol. 2018;1723:335-360. doi: 10.1007/978-1-4939-7558-7_19.
https://link.springer.com/protocol/10.1007/978-1-4939-7558-7_19

Dutta S, Pang M, Coughlin GM, Gudavalli S, Roukes ML, Chou T-F, Gradinaru V:

Molecularly-guided spatial proteomics captures single-cell identity and heterogeneity of the nervous system

bioRxiv, 11 Feb 2025

<https://doi.org/10.1101/2025.02.10.637505>

Dzitoyeva S, Chen H, Manev H:

Effect of aging on 5-hydroxymethylcytosine in brain mitochondria

Neurobiol Aging. 2012 Mar 22. [Epub ahead of print]
[http://linkinghub.elsevier.com/retrieve/pii/S0197-4580\(12\)00151-0](http://linkinghub.elsevier.com/retrieve/pii/S0197-4580(12)00151-0)

Eickhoff A, Tjaden J, Stahlke S, Vorgerd M, Theis V, Matschke V, Theiss C:

Effects of progesterone on T-type-Ca²⁺-channel expression in Purkinje cells

Neural Regeneration Research: Nov 2022, Vol. 17, Issue 11, doi: 10.4103/1673-5374.339008
https://journals.lww.com/nrronline/Fulltext/2022/11000/Effects_of_progesterone_on_T_type_Ca2_chann_el.33.aspx

Elstner M, Morris CM, Heim K, Bender A, Mehta D, Jaros E, Klopstock T, Meitinger T, Turnbull DM, Prokisch H:

Expression analysis of dopaminergic neurons in Parkinson's disease and aging links transcriptional dysregulation of energy metabolism to cell death

Acta Neuropathol. 2011 Jul;122(1):75-86
<http://www.springerlink.com/content/e2w286484498651q/>

Elstner M, Morris CM, Heim K, Lichtner P, Bender A, Mehta D, Schulte C, Sharma M, Hudson G, Goldwurm S, Giovanetti A, Zeviani M, Burn DJ, McKeith IG, Perry RH, Jaros E, Krüger R, Wichmann HE, Schreiber S, Campbell H, Wilson JF, Wright AF, Dunlop M, Pistis G, Toniolo D, Chinnery PF, Gasser T, Klopstock T, Meitinger T, Prokisch H, Turnbull DM:

Single-cell expression profiling of dopaminergic neurons combined with association analysis identifies pyridoxal kinase as Parkinson's disease gene

Ann Neurol 66(6):792-8 (2009)

<http://onlinelibrary.wiley.com/doi/10.1002/ana.21780/full>

Elstner M, Muller SK, Leidolt L, Laub C, Krieg L, Schlaudraff F, Liss B, Morris C, Turnbull DM, Masliah E, Prokisch H, Klopstock T, Bender A:

Neuromelanin, neurotransmitter status and brainstem location determine the differential vulnerability of catecholaminergic neurons to mitochondrial DNA deletions

Mol Brain. 2011 Dec 21;4(1):43.

<http://www.molecularbrain.com/content/4/1/43/abstract>

Enwright III JF, Huo Z, Arion D, Corradi JP, Tseng G, Lewis DA:

Transcriptome Alterations of Prefrontal Cortical Parvalbumin Neurons in Schizophrenia

Mol Psychiatry. 2018 Jul;23(7):1606-1613. doi: 10.1038/mp.2017.216.

<http://dx.doi.org/10.1038/mp.2017.216>

Espadas I, Wingfield J, Grinman E, Ghosh I, Chanda K, Nakahata Y, Bauer K, Raveendra B, Kiebler M, Yasuda R, Rangaraju V, Puthanveetil S:

SLAMR, a synaptically targeted lncRNA, facilitates the consolidation of contextual fear memory

Research Square 2023

<https://assets.researchsquare.com/files/rs-2489387/v1/dae2ebaeae3e3597d0f0f908.pdf>

Espadas I, Wingfield JL, Nakahata Y, Chanda K, Grinman E, Ghosh I, Bauer KE, Raveendra B, Kiebler MA, Yasuda R, Rangaraju V, Puthanveetil S:

Synaptically-targeted long non-coding RNA SLAMR promotes structural plasticity by increasing translation and CaMKII activity

Nat Commun. 2024 Mar 27;15(1):2694. doi: 10.1038/s41467-024-46972-8.

<https://www.nature.com/articles/s41467-024-46972-8>

Farini D, Cesari E, Weatheritt RJ, La Sala G, Naro C, Pagliarini V, Bonvissuto D, Medici V, Guerra M, Di Pietro C, Rizzo FR, Musella A, Carola V, Centonze D, Blencowe BJ, Marazziti D, Sette C:

A Dynamic Splicing Program Ensures Proper Synaptic Connections in the Developing Cerebellum

Cell Rep. 2020 Jun 2;31(9):107703. doi: 10.1016/j.celrep.2020.107703.

[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(20\)30673-2](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(20)30673-2)

Fededa JP, Esk C, Mierzwa B, Stanyte R, Yuan S, Zheng H, Ebnet K, Yan W, Knoblich JA, Gerlich DW:

MicroRNA-34/449 controls mitotic spindle orientation during mammalian cortex development

EMBO J. 2016 Oct 5. pii: e201694056.

<http://emboj.embopress.org/cgi/pmidlookup?view=long&pmid=27707753>

Fehmi J, Davies AJ, Antonelou M, Keddle S, Pikkupera S, Querol L, Delmont E, Cortese A, Franciotta D, Persson S, Barratt J, Pepper R, Farinha F, Rahman A, Canetti D, Gilbertson JA, Rendell NB, Radunovic A, Minton T, Fuller G, Murphy SM, Carr AS, Reilly MR, Eftimov F, Wieske L, Teunissen CE, Roberts ISD, Ashman N, Salama AD, Rinaldi S:

Contactin-1 links autoimmune neuropathy and membranous glomerulonephritis

PLoS One. 2023 Mar 9;18(3):e0281156. doi: 10.1371/journal.pone.0281156.

<https://doi.org/10.1371/journal.pone.0281156>

Feldkirchner S, Schessl J, Müller S, Schoser B, Hanisch FG:

Patient-specific protein aggregates in myofibrillar myopathies: laser microdissection and differential proteomics for identification of plaque components

Proteomics. 2012 Dec;12(23-24):3598-609. doi: 10.1002/pmic.201100559.

<http://dx.doi.org/10.1002/pmic.201100559>

Feng X, Xu M, Liu Y, Wang X, Duan Y, Zheng X, Yin W, Cai Y, Zhang W, Jiang Q, Pang J, Li J:

The sperm quality in DIO male mice is linked to the NF- κ B signaling and Ppp2ca expression in the hypothalamus

ISCIENCE (2025), doi: <https://doi.org/10.1016/j.isci.2025.112110>.

<https://doi.org/10.1016/j.isci.2025.112110>

Figueroa JJ, Peter Bosch E, Dyck PJ, Singer W, Vrana JA, Theis JD, Dogan A, Klein CJ:

Amyloid-like IgM deposition neuropathy: a distinct clinico-pathologic and proteomic profile disorder

J Peripher Nerv Syst. 2012 Jun;17(2):182-90. doi: 10.1111/j.1529-8027.2012.00406.x.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1529-8027.2012.00406.x/abstract>

Fink KL, López-Giráldez F, Kim IJ, Strittmatter SM, Cafferty WB :

Identification of Intrinsic Axon Growth Modulators for Intact CNS Neurons after Injury

Cell Rep. 2017 Mar 14;18(11):2687-2701. doi: 10.1016/j.celrep.2017.02.058.

[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(17\)30256-5](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(17)30256-5)

Ford, C.P. and Williams, J.T.:

Mesoprefrontal dopamine neurons distinguish themselves

Neuron 57(5): 631-632 (2008)

<http://www.cell.com/neuron/retrieve/pii/S0896627308001815>

Frank, S., Burbach, G.J., Bonin, M., Walter, M., Streit, W., Bechmann, I., and Deller, T.:

TREM2 is upregulated in amyloid plaque-associated microglia in aged APP23 transgenic mice

Glia (2008)

<http://onlinelibrary.wiley.com/doi/10.1002/glia.20710/full>

Frank S, Copanaki E, Burbach GJ, Müller UC, Deller T:

Differential regulation of toll-like receptor mRNAs in amyloid plaque-associated brain tissue of aged APP23 transgenic mice

Neurosci Lett. 453(1):41-4 (2009)

<http://dx.doi.org/10.1016/j.neulet.2009.01.075>

Friedrich SR, Nevue AA, Andrade ALP, Velho TAF, Mello CV:

Emergence of sex-specific transcriptomes in a sexually dimorphic brain nucleus

Cell Rep. 2022 Aug 2;40(5):111152. doi: 10.1016/j.celrep.2022.111152.

<https://doi.org/10.1016/j.celrep.2022.111152>

Friess C, Götz M, Kjell J:

Cryo-section Dissection of the Adult Subependymal Zone for Accurate and Deep Quantitative Proteome Analysis

J Vis Exp. 2021 Oct 7;(176). doi: 10.3791/63047.

<https://www.jove.com/de/t/63047/cryo-section-dissection-adult-subependymal-zone-for-accurate-deep>

Fu Y, Li W, Mai Y, Guan J, Ding R, Hou J, Chen B, Cao G, Sun S, Tang Y, and Fu R:

Association between RMTg Neuropeptide Genes and Negative Effect during Alcohol Withdrawal in Mice

Int. J. Mol. Sci. 2024, 25(5), 2933; <https://doi.org/10.3390/ijms25052933>

<https://doi.org/10.3390/ijms25052933>

Fu Z, Crooks EJ, Irizarry BA, Zhu X, Chowdhury S, Van Nostrand WE, Smith SO:

An electrostatic cluster guides A β 40 fibril formation in sporadic and Dutch-type cerebral amyloid angiopathy

J Struct Biol. 2024 Apr 12:108092. doi: 10.1016/j.jsb.2024.108092.

<https://doi.org/10.1016/j.jsb.2024.108092>

Fuchs A, Kutterer S, Mühling T, Duda J, Schütz B, Liss B, Keller BU, Roeper J:

Selective mitochondrial Ca²⁺ uptake deficit in disease endstage vulnerable motoneurons of the SOD1G93A mouse model of amyotrophic lateral sclerosis

J Physiol. 2013 Feb 11. [Epub ahead of print]

<http://onlinelibrary.wiley.com/doi/10.1113/jphysiol.2012.247981/abstract>

Fujimura RK, Reiner T, Ma F, Phillips V, de las Pozas A, Dickson DW, Roos BA, Howard GA, Perez-Stable C:

Changes in the Expression of Genes Associated with Intraneuronal Amyloid- β and Tau in Alzheimer's Disease

J Alzheimers Dis. 2010;19(1):97-109

<http://iospress.metapress.com/content/851u86918j027n36/>

Fujimura M, Usuki F:

In situ different antioxidative systems contribute to the site-specific methylmercury neurotoxicity in mice

Toxicology. 2017 Oct 13;392:55-63. doi: 10.1016/j.tox.2017.10.004.

[https://linkinghub.elsevier.com/retrieve/pii/S0300-483X\(17\)30307-4](https://linkinghub.elsevier.com/retrieve/pii/S0300-483X(17)30307-4)

Fujimura M, Usuki F:

Low in situ expression of antioxidative enzymes in rat cerebellar granular cells susceptible to methylmercury

Arch Toxicol. 2013 Jul 6.

<http://dx.doi.org/10.1007/s00204-013-1089-2>

Fukazawa, Y., Saitoh, Y., Ozawa, F., Ohta, Y., Mizuno, K., and Inokuchi, K.:

Hippocampal LTP is accompanied by enhanced F-actin content within the dendritic spine that is essential for late LTP maintenance in vivo

Neuron 38(3): 447-460 (2003)

<http://www.cell.com/neuron/retrieve/pii/S089662730300206X>

Gabery S, Salinas CG, Paulsen SJ, Ahnfelt-Rønne J, Alanentalo T, Baquero AF, Buckley ST, Farkas E, Fekete C, Frederiksen KS, Helms HCC, Jeppesen JF, John LM, Pyke C, Nøhr J, Lu TT, Poley-Wolf J, Prevot V, Raun K, Simonsen L, Sun G, Szilvásy-Szabó A, Willenbrock H, Secher A, Knudsen LB :

Semaglutide lowers body weight in rodents via distributed neural pathways

JCI Insight. 2020 Mar 26;5(6). pii: 133429. doi: 10.1172/jci.insight.133429.

<https://insight.jci.org/articles/view/133429/pdf>

García-Berrocó T, Llombart V, Colàs-Campàs L, Hainard A, Licker V, Penalba A, Ramiro L, Simats A, Bustamante A, Martínez-Saez E, Canals F, Sanchez JC, Montaner J:

Single Cell Immuno-laser Microdissection Coupled to Label-free Proteomics to Reveal the Proteotypes of Human Brain Cells After Ischemia

Mol Cell Proteomics. 2017 Nov 13. pii: mcp.RA117.000419. doi: 10.1074/mcp.RA117.000419.

<http://www.mcponline.org/cgi/pmidlookup?view=long&pmid=29133510>

Garcia-Ovejero D, Arevalo-Martin A, Paniagua-Torija B, Florensa-Vila J, Ferrer I, Grassner L, Molina-Holgado E:

The ependymal region of the adult human spinal cord differs from other species and shows ependymoma-like features

Brain. 2015 Apr 15. pii: awv089.

<http://brain.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=25882650>

Garcia-Ovejero D, Paniagua-Torija B, Arevalo-Martin A, Navarro-Galve B, Molina-Holgado E:

Laser-Capture Microdissection for the Analysis of Rat and Human Spinal Cord Ependyma by qPCR

Methods Mol Biol. 2018;1723:285-318. doi: 10.1007/978-1-4939-7558-7_17.

https://link.springer.com/protocol/10.1007/978-1-4939-7558-7_17

Garst-Orozco J, Malik R, Lanz TA, Weber ML, Xi H, Arion D, Enwright JF 3rd, Lewis DA, O'Donnell P, Sohal VS, Buhl DL:

GluN2D-mediated excitatory drive onto medial prefrontal cortical PV+ fast-spiking inhibitory interneurons

PLoS One. 2020 Jun 4;15(6):e0233895. doi: 10.1371/journal.pone.0233895. eCollection 2020.
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0233895>

Gąska M, Kuśmider M, Solich J, Faron-Górecka A, Krawczyk MJ, Kułakowski K, Dziedzicka-Wasylewska M:

Analysis of region-specific changes in gene expression upon treatment with citalopram and desipramine reveals temporal dynamics in response to antidepressant drugs at the transcriptome level

Psychopharmacology (Berl). 2012 May 1. [Epub ahead of print]
<http://dx.doi.org/10.1007/s00213-012-2714-0>

Gehmeyer J, Maghnouj A, Tjaden J, Vorgerd M, Hahn S, Matschke V, Theis V, and Theiss C :

Disabling VEGF-Response of Purkinje Cells by Downregulation of KDR via miRNA-204-5p

Int. J. Mol. Sci. 2021, 22(4), 2173; <https://doi.org/10.3390/ijms22042173>
<https://www.mdpi.com/1422-0067/22/4/2173>

Gill BC, Balog BM, Dissaranan C, Jiang HH, Steward JB, Lin DL, Damaser MS

Neurotrophin therapy improves recovery of the neuromuscular continence mechanism following simulated birth injury in rats

Neurourol Urodyn. 2012 May 11. doi: 10.1002/nau.22264
<http://dx.doi.org/10.1002/nau.22264>

Glaschke A, Weiland J, Del Turco D, Steiner M, Peichl L, Glösmann M:

Thyroid Hormone Controls Cone Opsin Expression in the Retina of Adult Rodents

J Neurosci. 31(13):4844-51. (2011)
<http://www.jneurosci.org/content/31/13/4844.long>

Głowacka A, Ji B, Szczepankiewicz AA, Skup M, Gajewska-Woźniak O:

BDNF Spinal Overexpression after Spinal Cord Injury Partially Protects Soleus Neuromuscular Junction from Disintegration, Increasing VAcHt and AChE Transcripts in Soleus but Not Tibialis Anterior Motoneurons

Biomedicines. 2022 Nov 8;10(11):2851. doi: 10.3390/biomedicines10112851.
<https://doi.org/10.3390/biomedicines10112851>

Gonzalez-Fernandez C, Arevalo-Martin A, Paniagua-Torija B, Ferrer I, Rodriguez FJ, Garcia-Ovejero D:

Wnts Are Expressed in the Ependymal Region of the Adult Spinal Cord

Mol Neurobiol. 2016 Oct 8.
<http://dx.doi.org/10.1007/s12035-016-0132-8>

Green H, Zhang X, Tiklova K, Volakakis N, Brodin L, Berg L, Greengard P, Perlmann T, Svenningsson P:

Alterations of p11 in brain tissue and peripheral blood leukocytes in Parkinson's disease

Proc Natl Acad Sci U S A. 2017 Jan 30. pii: 201621218. doi: 10.1073/pnas.1621218114.
<http://www.pnas.org/cgi/lookup?view=long&pmid=28137881>

Grinberg YY1, Zitzow LA2, Kraig RP:

Intranasally administered IGF-1 inhibits spreading depression in vivo

Brain Res. 2017 Dec 15;1677:47-57. doi: 10.1016/j.brainres.2017.09.022. Epub 2017 Sep 23.
[https://linkinghub.elsevier.com/retrieve/pii/S0006-8993\(17\)30419-5](https://linkinghub.elsevier.com/retrieve/pii/S0006-8993(17)30419-5)

Grundemann, J., Schlaudraff, F., Haeckel, O., and Liss, B.:

Elevated alpha-synuclein mRNA levels in individual UV-laser-microdissected dopaminergic substantia nigra neurons in idiopathic Parkinson's disease

Nucleic Acids Res 36(7): e38 (2008)

<http://nar.oxfordjournals.org/content/36/7/e38.long>

Gründemann J, Schlaudraff F, Liss B:

UV-Laser Microdissection and mRNA Expression Analysis of Individual Neurons from Postmortem Parkinson's Disease Brains

Methods Mol Biol. 2011;755:363-74

<http://www.springerlink.com/content/n106421460111003/#section=924970&page=1>

Grycz K, Głowacka A, Ji B, Czarkowska-Bauch J, Gajewska-Woźniak O, Skup M

Early pre- and postsynaptic decrease in glutamatergic and cholinergic signaling after spinalization is not modified when stimulating proprioceptive input to the ankle extensor α -motoneurons: Anatomical and neurochemical study

PLoS One. 2019 Sep 26;14(9):e0222849. doi: 10.1371/journal.pone.0222849. eCollection 2019.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0222849>

Handa T, Sasaki H, Takao M, Tano M, Uchida Y:

Proteomics-based investigation of cerebrovascular molecular mechanisms in cerebral amyloid angiopathy by the FFPE-LMD-PCT-SWATH method

Fluids Barriers CNS. 2022 Jul 1;19(1):56. doi: 10.1186/s12987-022-00351-x.

<https://link.springer.com/article/10.1186/s12987-022-00351-x>

Hara M, Kobayakawa K, Ohkawa Y, Kumamaru H, Yokota K, Saito T, Kijima K, Yoshizaki S, Harimaya K, Nakashima Y, Okada S:

Interaction of reactive astrocytes with type I collagen induces astrocytic scar formation through the integrin-N-cadherin pathway after spinal cord injury

Nat Med. 2017 Jul;23(7):818-828. doi: 10.1038/nm.4354.

<http://www.nature.com/articles/nm.4354>

Hasselblatt, M., Bohm, C., Tatenhorst, L., Dinh, V., Newrzella, D., Keyvani, K., Jeibmann, A., Buerger, H., Rickert, C.H., and Paulus, W.:

Identification of novel diagnostic markers for choroid plexus tumors: a microarray-based approach

Am J Surg Pathol 30(1): 66-74 (2006)

<http://journals.lww.com/ajsp/pages/articleviewer.aspx?year=2006&issue=01000&article=00010&type=abstract>

Haulcomb MM, Mesnard NA, Batka RJ, Alexander TD, Sanders VM, Jones KJ:

Axotomy-induced target disconnection promotes an additional death mechanism involved in motoneuron degeneration in ALS transgenic mice

J Comp Neurol. 2014 Jan 15. doi: 10.1002/cne.23538.

<http://onlinelibrary.wiley.com/doi/10.1002/cne.23538/abstract>

Hawrylycz MJ, Lein ES, Guillozet-Bongaarts AL, Shen EH, Ng L, Miller JA, van de Lagemaat LN, Smith KA, Ebbert A, Riley ZL, Abajian C, Beckmann CF, Bernard A, Bertagnolli D, Boe AF, Cartagena PM, Chakravarty MM, Chapin M, Chong J, Dalley RA, Daly BD, Dang C, Datta S, Dee N, Dolbeare TA, Faber V, Feng D, Fowler DR, Goldy J, Gregor BW, Haradon Z, Haynor DR, Hohmann JG, Horvath S, Howard RE, Jeromin A, Jochim JM, Kinnunen M, Lau C, Lazars ET, Lee C, Lemon TA, Li L, Li Y, Morris JA, Overly CC, Parker PD, Parry SE, Reding M, Royall JJ, Schulkin J, Sequeira PA, Slaughterbeck CR, Smith SC, Sodt AJ, Sunkin SM, Swanson BE, Vawter MP, Williams D, Wohnoutka P, Zielke HR, Geschwind DH, Hof PR, Smith SM, Koch C, Grant SG, Jones AR:

An anatomically comprehensive atlas of the adult human brain transcriptome

Nature. 2012 Sep 20;489(7416):391-9. doi: 10.1038/nature11405.

<http://www.nature.com/nature/journal/v489/n7416/full/nature11405.html>

Hawrylycz M, Miller JA, Menon V, Feng D, Dolbeare T, Guillozet-Bongaarts AL, Jegga AG, Aronow BJ, Lee CK, Bernard A, Glasser MF, Dierker DL, Menche J, Szafer A, Collman F, Grange P, Berman KA, Mihalas S, Yao Z, Stewart L, Barabási AL, Schulkin J, Phillips J, Ng L, Dang C, Haynor DR, Jones A, Van Essen DC, Koch C, Lein E :

Canonical genetic signatures of the adult human brain

Nat Neurosci. 2015 Nov 16. doi: 10.1038/nn.4171.

<http://dx.doi.org/10.1038/nn.4171>

Hawrylycz M, Ng L, Feng D, Sunkin S, Szafer A, Dang C:

The Allen Brain Atlas

Springer Handbook of Bio-/Neuroinformatics, 2014, pp 1111-1126

http://link.springer.com/chapter/10.1007/978-3-642-30574-0_62#

Hayden EY, Putman J, Nunez S, Shin WS, Oberoi M, Charreton M, Dutta S, Li Z, Komuro Y, Joy MT, Bitan G, MacKenzie-Graham A, Jiang L, Hinman JD:

Ischemic axonal injury up-regulates MARK4 in cortical neurons and primes tau phosphorylation and aggregation

Acta Neuropathol Commun. 2019 Aug 20;7(1):135. doi: 10.1186/s40478-019-0783-6.

<https://actaneurocomms.biomedcentral.com/track/pdf/10.1186/s40478-019-0783-6>

Hayen C:

Unveiling The Therapeutic Potential of Glycine Receptor Alpha 2 in Psychosis

Thesis, 2023

<https://documentsserver.uhasselt.be/bitstream/1942/41064/1/0954ccb9-e7c5-4032-9651-25a03756d870.pdf>

Hecking I, Stegemann LN, Stahlke S, Theis V, Vorgerd M, Matschke V, Theiss C:

Methods to Study the Myenteric Plexus of Rat Small Intestine

Cell Mol Neurobiol. 2021 Dec 21. doi: 10.1007/s10571-021-01181-5.

<https://link.springer.com/content/pdf/10.1007/s10571-021-01181-5.pdf>

Heine S, Michalakakis S, Kallenborn-Gerhardt W, Lu R, Lim HY, Weiland J, Del Turco D, Deller T, Tegeder I, Biel M, Geisslinger G, Schmidtke A:

CNGA3: A Target of Spinal Nitric Oxide/cGMP Signaling and Modulator of Inflammatory Pain Hypersensitivity

J Neurosci. 2011 Aug 3;31(31):11184-92

<http://www.jneurosci.org/content/31/31/11184.long>

Hendriks TFE, Birmipili A, de Vleeschouwer S, Heeren RMA, Cuypers E:

Integrating Rapid Evaporative Ionization Mass Spectrometry Classification with Matrix-Assisted Laser Desorption Ionization Mass Spectrometry Imaging and Liquid Chromatography-Tandem Mass Spectrometry to Unveil Glioblastoma Overall Survival Prediction

ACS Chem Neurosci. 2025 Feb 25. doi: 10.1021/acschemneuro.4c00463.

<https://doi.org/10.1021/acschemneuro.4c00463>

Henriques A, Kastner S, Chatzikonstantinou E, Pitzer C, Plaas C, Kirsch F, Wafzig O, Carola K, Spoelgen R, Gonzalez_de_aguilera J, Gretz N and Schneider A:

Gene expression changes in spinal motoneurons of the SOD1G93A transgenic model for ALS after treatment with G-CSF

Front. Cell. Neurosci. 8:464. (2014) doi:10.3389/fncel.2014.00464

<http://journal.frontiersin.org/Journal/10.3389/fncel.2014.00464/abstract>

Henriques A, Kastner S, Wafzig O, Gonzalez De Aguilera JL, Schneider A :

Analytical sequence to study G-CSF effect on the transcriptome of isolated spinal motor neurons from SOD1 G93A mice, an animal model for amyotrophic lateral sclerosis

Genomics Data 28 Feb 2015, doi:10.1016/j.gdata.2015.02.003

<http://www.sciencedirect.com/science/article/pii/S2213596015000161>

Hermkens DMA, Stam OCG, de Wit NM, Fontijn RD, Jongejan A, Moerland PD, Mackaaij C, Waas ISE, Daemen MJAP, de Vries HE:

Profiling the unique protective properties of intracranial arterial endothelial cells

Acta Neuropathol Commun. 2019 Oct 14;7(1):151. doi: 10.1186/s40478-019-0805-4.

<https://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-019-0805-4>

Hideyama T, Teramoto S, Hachiga K, Yamashita T, Kwak S:

Co-Occurrence of TDP-43 Mislocalization with Reduced Activity of an RNA Editing Enzyme, ADAR2, in Aged Mouse Motor Neurons

PLoS One. 2012;7(8):e43469.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0043469>

Hinna KH, Rich K, Fex-Svenningsen Å, Benedikz E:

The Rat Homolog of the Schizophrenia Susceptibility Gene ZNF804A Is Highly Expressed during Brain Development, Particularly in Growth Cones

PLoS One. 2015 Jul 6;10(7):e0132456. doi: 10.1371/journal.pone.0132456. eCollection 2015.

<http://dx.plos.org/10.1371/journal.pone.0132456>

Hoftman GD, Dienel SJ, Bazmi HH, Zhang Y, Chen KLewis DA:

Altered Gradients of Glutamate and GABA Transcripts in the Cortical Visuospatial Working Memory Network in Schizophrenia

Biological Psychiatry, 06 Dec 2017, <http://dx.doi.org/10.1016/j.biopsych.2017.11.029>

[http://www.biologicalpsychiatryjournal.com/article/S0006-3223\(17\)32250-3/fulltext](http://www.biologicalpsychiatryjournal.com/article/S0006-3223(17)32250-3/fulltext)

Højgaard K, Szöllősi B, Henningsen K, Minami N, Nakanishi N, Kaadt E, Tamura M, Morris R, Takeuchi T, Elfving B:

Novelty-induced memory consolidation is accompanied by increased Agap3 transcription: a cross-species study

Research Square, 5th July 2023, doi: 10.21203/rs.3.rs-3116799/v1

<https://doi.org/10.21203/rs.3.rs-3116799/v1>

Hommel, J.D., Sears, R.M., Georgescu, D., Simmons, D.L., and DiLeone, R.J.:

Local gene knockdown in the brain using viral-mediated RNA interference

Nat Med 9(12): 1539-1544 (2003)

<http://www.nature.com/nm/journal/v9/n12/full/nm964.html>

Hondius DC, Eigenhuis KN, Morrema THJ, van der Schors RC, van Nierop P, Bugiani M, Li KW, Hoozemans JJM, Smit AB, Rozemuller AJM:

Proteomics analysis identifies new markers associated with capillary cerebral amyloid angiopathy in Alzheimer's disease

Acta Neuropathol Commun. 2018 Jun 4;6(1):46. doi: 10.1186/s40478-018-0540-2.

<https://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-018-0540-2>

Hondius DC, Hoozemans JJM, Rozemuller AJM, Li KW, Smit AB:

A Laser Microdissection-Liquid Chromatography-Tandem Mass Spectrometry Workflow for Post-mortem Analysis of Brain Tissue

Methods Mol Biol. 2018;1723:371-383. doi: 10.1007/978-1-4939-7558-7_21.

https://link.springer.com/protocol/10.1007/978-1-4939-7558-7_21

Hondius DC, Hoozemans JJM, Rozemuller AJM, Li KW, Smit AB:

Laser Microdissection for Spatial Proteomics of Postmortem Brain Tissue

Neuroproteomics, 2019, Springer New York CY

https://link.springer.com/protocol/10.1007/978-1-4939-9662-9_4

Hondius DC, Koopmans F, Leistner C, Pita-Illobre D, Peferoen-Baert RM, Marbus F, Paliukhovich I, Li KW, Rozemuller AJM, Hoozemans JJM, Smit AB:

The proteome of granulovacuolar degeneration and neurofibrillary tangles in Alzheimer's disease

Acta Neuropathol. 2021 Jan 25. doi: 10.1007/s00401-020-02261-4.

<https://link.springer.com/article/10.1007/s00401-020-02261-4>

Hondius DC, van Nierop P, Li KW, Hoozemans JJ, van der Schors RC, van Haastert ES, van der Vies SM, Rozemuller AJ, Smit AB:

Profiling the human hippocampal proteome at all pathologic stages of Alzheimer's disease

Alzheimers Dement. 2016 Jun;12(6):654-68. doi: 10.1016/j.jalz.2015.11.002.

[http://linkinghub.elsevier.com/retrieve/pii/S1552-5260\(15\)02987-8](http://linkinghub.elsevier.com/retrieve/pii/S1552-5260(15)02987-8)

Hoshino T, Mukai A, Yamashita H, Misawa H, Urushitani M, Tashiro Y, Matsuzawa SI, Takahashi R:

NDRG1 upregulation by ubiquitin proteasome system dysfunction aggravates neurodegeneration

Mol Brain. 2024 Oct 23;17(1):77. doi: 10.1186/s13041-024-01150-1.

<https://doi.org/10.1186/s13041-024-01150-1>

Huang P, Li H, Gao W, Cai Z, Tian R:

A Fully Integrated Spintip-Based Approach for Sensitive and Quantitative Profiling of Region-Resolved in Vivo Brain Glycoproteome

Anal Chem. 2019 Jul 16;91(14):9181-9189. doi: 10.1021/acs.analchem.9b01930.

<https://dx.doi.org/10.1021/acs.analchem.9b01930>

Huang Y, Ma G, Xie S, Wei R, Liu Y, Zeng Y, Zhao Y, Wang Q, Yang L, Huang H, Hao L, Zhao X, Wang H, Shen W, Wong SSC, Cao JL, Tao YX, Pan ZQ:

SERBP1-PCIF1 complex-controlled m6Am modification in glutamatergic neurons of the primary somatosensory cortex is required for neuropathic pain in mice

Nat Commun. 2025 Aug 5;16(1):7225. doi: 10.1038/s41467-025-62565-5.

<https://doi.org/10.1038/s41467-025-62565-5>

Hurley JH, Kunkler PE, Zhang L, Knopp KL, Oxford GS:

Role of Intraganglionic Transmission in the Trigeminovascular Pathway

Mol Pain. 2019 Feb 20;1744806919836570. doi: 10.1177/1744806919836570.

http://journals.sagepub.com/doi/full/10.1177/1744806919836570?url_ver=Z39.88-2003&rft_id=ori:rid:crossref.org&rft_dat=cr_pub%3dpubmed

Hutson TH, Kathe C, Palmisano I, Bartholdi K, Hervera A, De Virgiliis F, McLachlan E, Zhou L, Kong G, Barraud Q, Danzi MC, Medrano-Fernandez A, Lopez-Atalaya J, Boutillier AL, Sinha SH, Singh AK, Chaturvedi P, Moon LDF, Kundu TK, Bixby JL, Lemmon VP, Barco A, Courtine G, and Di Giovanni S:

Environmental enrichment induces axon regeneration and recovery after peripheral and spinal injuries via activity mediated CBP-dependent histone acetylation: a druggable pathway

Researchgate, #332345556

https://www.researchgate.net/profile/Lawrence_Moon/publication/332345556_Cbp-dependent-histone-acetylation-mediates-axon-regeneration-induced-by-environmental-enrichment-in-rodent-spinal-cord-injury-models/links/5cbe2279a6fdcc1d49a86753/Cbp-dependent-histone-acetylation-mediates-axon-regeneration-induced-by-environmental-enrichment-in-rodent-spinal-cord-injury-models.pdf

Huusko N, Pitkänen A:

Parvalbumin Immunoreactivity and Expression of GABA_A Receptor Subunits in the Thalamus after Experimental TBI

Neuroscience, 4 March 2014

<http://dx.doi.org/10.1016/j.neuroscience.2014.02.026>

Ichikawa T, Arai M, Miyashita M, Arai M, Obata N, Nohara I, Ohshima K, Niizato K, Okazaki Y, Doi N, Itokawa M:

Maternal inheritance and heteroplasmy of mtDNA mutations

Molecular Genetics and Metabolism, Available online 8 October 2011, ISSN 1096-7192, 10.1016/j.ymgme.2011.09.034.

<http://www.sciencedirect.com/science/article/pii/S1096719211003453>

Ikeshima-Kataoka H, Abe Y, Abe T, Yasui M:

Immunological function of aquaporin-4 in stab-wounded mouse brain in concert with a pro-inflammatory cytokine inducer, osteopontin

Mol Cell Neurosci. 2013 Feb 18. pii: S1044-7431(13)00020-1. doi: 10.1016/j.mcn.2013.02.002.

[http://linkinghub.elsevier.com/retrieve/pii/S1044-7431\(13\)00020-1](http://linkinghub.elsevier.com/retrieve/pii/S1044-7431(13)00020-1)

Inoue Y, Ueda M, Tasaki M, Takeshima A, Nagatoshi A, Masuda T, Misumi Y, Kosaka T, Nomura T, Mizukami M, Matsumoto S, Yamashita T, Takahashi H, Kakita A, Ando Y:

Sushi repeat-containing protein 1: a novel disease-associated molecule in cerebral amyloid angiopathy

Acta Neuropathol. 2017 May 6. doi: 10.1007/s00401-017-1720-z.

<https://dx.doi.org/10.1007/s00401-017-1720-z>

Irizarry B, Davis J, Rajpoot J, Zhu X, Xu F, Smith SO, Van Nostrand WE:

A β 40 Fibril Assembly on Human Cerebral Smooth Muscle Cells Impairs Cell Viability.

Biochemistry. 2025 Jan 6. doi: 10.1021/acs.biochem.4c00478.

<https://doi.org/10.1021/acs.biochem.4c00478>

Irizarry BA:

Morphology, Propagation, and Toxicity of Human-Derived Amyloid- β Fibrils

Thesis, 2023

<https://www.proquest.com/openview/c612ce72ce6026a81cf92c5d6f3c8806/1>

Irizarry BA, Davis J, Zhu X, Boon BDC, Rozemuller AJM, Van Nostrand WE, Smith SO:

Human cerebral vascular amyloid contains both anti-parallel and parallel in-register A β 40 fibrils

J Biol Chem. 2021 Sep 29;101259. doi: 10.1016/j.jbc.2021.101259.

<https://www.sciencedirect.com/science/article/pii/S0021925821010620>

Ishii K, Kubo K, Endo T, Yoshida K, Benner S, Ito Y, Aizawa H, Aramaki M, Yamanaka A, Tanaka K, Takata N, Tanaka KF, Mimura M, Tohyama C, Kakeyama M, Nakajima K:

Neuronal Heterotopias Affect the Activities of Distant Brain Areas and Lead to Behavioral Deficits

J Neurosci. 2015 Sep 9;35(36):12432-45. doi: 10.1523/JNEUROSCI.3648-14.2015.

<http://www.jneurosci.org/cgi/pmidlookup?view=long&pmid=26354912>

Jaillard C, Mouret A, Niepon ML, Clérin E, Yang Y, Lee-Rivera I, Aït-Ali N, Millet-Puel G, Cronin T, Sedmak T, Raffelsberger W, Kinzel B, Trembleau A, Poch O, Bennett J, Wolfrum U, Lledo PM, Sahel JA, Lévillard T:

Nxn12 splicing results in dual functions in neuronal cell survival and maintenance of cell integrity

Hum Mol Genet. 2012 Feb 15. [Epub ahead of print]

<http://hmg.oxfordjournals.org/content/early/2012/02/15/hmg.dds050.abstract>

Jana S, Dines M, Lalar M, Lamprecht R:

Fear Conditioning Leads to Enduring Alterations in RNA Transcripts in Hippocampal Neuropil that are Dependent on EphB2 Forward Signaling

Mol Neurobiol. 2023 Jan 13. doi: 10.1007/s12035-022-03191-w.

<https://doi.org/10.1007/s12035-022-03191-w>

Janik K, Jin LQ, Kyzy KZ, Kaminski R, Smith GM, Krynska B:

Neural tube defects induce abnormal astrocyte development by activation and epigenetic permissiveness of STAT3

Exp Neurol. 2025 Mar 30;389:115231. doi: 10.1016/j.expneurol.2025.115231.

<https://doi.org/10.1016/j.expneurol.2025.115231>

Jenkins AK, Shelton MA, Yin R, Gorczyca MT, Zong W, Glausier JR, Lewis DA, Tseng GC, Seney ML, McClung CA :

Disentangling transcriptomic heterogeneity within the human subgenual anterior cingulate cortex

Cereb Cortex. 2024 Jul 3;34(7):bhae291

<https://doi.org/10.1093/cercor/bhae291>

Ji B:

Molecular determinants of excitability of hindlimb motoneurons after complete spinal cord transection and BDNF overexpression

thesis, 2022

<https://rcin.org.pl/Content/236218/PhD%20dissertation%20-%20Benjun%20Ji%20-%202022.06.22%20-%20Final%20-%20print.pdf>

Jiang R:

Interplay between autophagy and amyloid beta metabolism in Alzheimer's disease

Thesis, 2022

https://openarchive.ki.se/xmlui/bitstream/handle/10616/48045/Thesis_Richeng_Jiang.pdf

Johnson S, Yoshioka K, Brace CS, Imai SI:

Quantification of localized NAD⁺ changes reveals unique specificity of NAD⁺ regulation in the hypothalamus

NPJ Aging. 2023 Jan 25;9(1):1. doi: 10.1038/s41514-023-00098-1.

<https://doi.org/10.1038/s41514-023-00098-1>

Joseph NF, Zucca A, Wingfield JL, Espadas I, Page D, Puthanveetil SV:

Molecular motor KIF3B in the prelimbic cortex constrains the consolidation of contextual fear memory

Mol Brain. 2021 Nov 8;14(1):162. doi: 10.1186/s13041-021-00873-9.

<https://molecularbrain.biomedcentral.com/articles/10.1186/s13041-021-00873-9>

Kadkhodaei B, Alvarsson A, Schintu N, Ramsköld D, Volakakis N, Joodmardi E, Yoshitake T, Kehr J, Decressac M, Björklund A, Sandberg R, Svenningsson P, Perlmann T :

Transcription factor Nurr1 maintains fiber integrity and nuclear-encoded mitochondrial gene expression in dopamine neurons

Proc Natl Acad Sci U S A. 2013 Jan 22.

<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=23341612>

Kallenborn-Gerhardt W, Lu R, Lorenz J, Gao W, Weiland J, Del Turco D, Deller T, Laube B, Betz H, Geisslinger G, Schmidtke A:

Prolonged zymosan-induced inflammatory pain hypersensitivity in mice lacking glycine receptor alpha2

Behav Brain Res. 2012 Jan 1;226(1):106-11.

[http://linkinghub.elsevier.com/retrieve/pii/S0166-4328\(11\)00658-9](http://linkinghub.elsevier.com/retrieve/pii/S0166-4328(11)00658-9)

Kamei N, Higo S, Mizuno T, Mori K, Sakamoto A, Ozawa H:

Identification of Brain Regions Activated by Sevoflurane and Propofol and Regional Changes in Gene Expression

Acta Histochemica et Cytochemica, Volume 55 (2022), Issue 1
https://www.jstage.jst.go.jp/article/ahc/55/1/55_21-00091/_article

Kanaan, A., Farahani, R., Douglas, R.M., Lamanna, J.C., and Haddad, G.G.:
Effect of chronic continuous or intermittent hypoxia and reoxygenation on cerebral capillary density and myelination

Am J Physiol Regul Integr Comp Physiol 290(4): R1105-1114 (2006)
<http://ajpregu.physiology.org/content/290/4/R1105.long>

Kanaya M, Higo S, Ozawa H:
Neurochemical Characterization of Neurons Expressing Estrogen Receptor β in the Hypothalamic Nuclei of Rats Using in Situ Hybridization and Immunofluorescence
Int J Mol Sci. 2019 Dec 23;21(1). pii: E115. doi: 10.3390/ijms21010115.
<http://www.mdpi.com/resolver?pii=ijms21010115>

Kassis H, Shehadah A, Li C, Zhang Y, Cui Y, Roberts C, Sadry N, Liu X, Chopp M, Zhang ZG :
Class IIa histone deacetylases affect neuronal remodeling and functional outcome after stroke
Neurochem Int. 2016 Apr 18. pii: S0197-0186(16)30056-0. doi: 10.1016/j.neuint.2016.04.006.
[http://linkinghub.elsevier.com/retrieve/pii/S0197-0186\(16\)30056-0](http://linkinghub.elsevier.com/retrieve/pii/S0197-0186(16)30056-0)

Katsel P, Byne W, Roussos P, Tan W, Siever L, Haroutunian V:
Astrocyte and Glutamate Markers in the Superficial, Deep, and White Matter Layers of the Anterior Cingulate Gyrus in Schizophrenia
Neuropsychopharmacology. 2011 May;36(6):1171-7
<http://www.nature.com/npp/journal/v36/n6/full/npp2010252a.html>

Katz IK, Lamprecht R:
Fear conditioning leads to alteration in specific genes' expression in cortical and thalamic neurons that project to the lateral amygdala
J Neurochem. 2014 Oct 28. doi: 10.1111/jnc.12983.
<http://dx.doi.org/10.1111/jnc.12983>

Kelai, S., Maussion, G., Noble, F., Boni, C., Ramoz, N., Moalic, J.M., Peuchmaur, M., Gorwood, P., and Simonneau, M.:
Nrxn3 upregulation in the globus pallidus of mice developing cocaine addiction
Neuroreport 19(7): 751-755 (2008)
<http://journals.lww.com/neuroreport/pages/articleviewer.aspx?year=2008&issue=05070&article=00009&type=abstract>

Kelaï S, Ramoz N, Moalic JM, Noble F, Mechawar N, Imbeaud S, Turecki G, Simonneau M, Gorwood P, Maussion G :
Netrin G1: its downregulation in the nucleus accumbens of cocaine-conditioned mice and genetic association in human cocaine dependence
Addict Biol. 2017 Jan 11. doi: 10.1111/adb.12485.
<http://dx.doi.org/10.1111/adb.12485>

Kennard JT, Guévremont D, Mason-Parker SE, Abraham WC, Williams JM:
Redistribution of Ionotropic Glutamate Receptors Detected by Laser Microdissection of the Rat Dentate Gyrus 48 h following LTP Induction *In Vivo*
PLoS One. 2014 Mar 25;9(3):e92972. doi: 10.1371/journal.pone.0092972. eCollection 2014.
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0092972#pone-0092972-g005>

Kenwood MM, Souaiaia T, Kovner R, Fox AS, French DA, Oler JA, Roseboom PH, Riedel MK, Mueller SAL, Kalin NH:
Gene expression in the primate orbitofrontal cortex related to anxious temperament

Proc Natl Acad Sci U S A. 2023 Dec 5;120(49):e2305775120. doi: 10.1073/pnas.2305775120.
<https://doi.org/10.1073/pnas.2305775120>

Khan AM, Grant AH, Martinez A, Burns GAPC, Thatcher BS, Anekonda VT, Thompson BW, Roberts ZS, Moralejo DH, Blevins JE:

Mapping Molecular Datasets Back to the Brain Regions They are Extracted from: Remembering the Native Countries of Hypothalamic Expatriates and Refugees

Adv Neurobiol. 2018;21:101-193. doi: 10.1007/978-3-319-94593-4_6.

<https://www.biorxiv.org/content/early/2018/06/13/307652>

Kim W, Lee Y, McKenna ND, Yi M, Simunovic F, Wang Y, Kong B, Rooney RJ, Seo H, Stephens R, Sonntag KC:

miR-126 contributes to Parkinson disease by dysregulating IGF-1/PI3K signaling

Neurobiology of Aging, 0197-4580

<http://www.neurobiologyofaging.org/article/S0197-4580%2814%2900038-4/abstract>

Khodosevich K, Alfonso J, Monyer H:

Dynamic changes in the transcriptional profile of subventricular zone-derived postnatally born neuroblasts

Mech Dev. 2012 Dec 4. pii: S0925-4773(12)00114-1. doi: 10.1016/j.mod.2012.11.003.

<http://www.sciencedirect.com/science/article/pii/S0925477312001141>

Kley RA, Maerkens A, Olive M, Claeys KG, Hanisch F, van der Ven PFM, Fuerst DO, Mueller T, Marcus K, and Vorgerd M :

Differential proteomic analysis of protein aggregates in desminopathy

Neuromuscular Disorders, Volume 22, Issue 9 , Page 874, October 2012

<http://www.nmd-journal.com/article/S0960-8966%2812%2900418-X/abstract>

Kobayakawa K, Ohkawa Y, Yoshizaki S, Tamaru T, Saito T, Kijima K, Yokota K, Hara M, Kubota K, Matsumoto Y, Harimaya K, Ozato K, Masuda T, Tsuda M, Tamura T, Inoue K, Edgerton VR, Iwamoto Y, Nakashima Y, Okada S

Macrophage centripetal migration drives spontaneous healing process after spinal cord injury

Sci Adv. 2019 May 15;5(5):eaav5086. doi: 10.1126/sciadv.aav5086. eCollection 2019 May.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6270/>

Körber C, Dondzillo A, Eisenhardt G, Herrmannsdörfer F, Wafzig O, Kuner T:

Gene expression profile during functional maturation of a central mammalian synapse

Eur J Neurosci. 2014 Jul 3. doi: 10.1111/ejn.12661.

<http://dx.doi.org/10.1111/ejn.12661>

Kolega J, Poppenberg KE, Lim HW, Gutierrez LC, Veeturi SS, Siddiqui AH, Rajabzadeh-Oghaz H, Tutino VM:

Identification of intima-to-media signals for flow-induced vascular remodeling using correlative gene expression analysis

Sci Rep. 2021 Aug 9;11(1):16142. doi: 10.1038/s41598-021-95403-x.

<https://www.nature.com/articles/s41598-021-95403-x>

Komabayashi-Suzuki M, Yamanishi E, Watanabe C, Okamura M, Tabata H, Iwai R, Ajioka I, Matsushita J, Kidoya H, Takakura N, Okamoto T, Kinoshita K, Ichihashi M, Nagata KI, Ema M, Mizutani KI:

Spatiotemporally Dependent Vascularization Is Differently Utilized among Neural Progenitor Subtypes during Neocortical Development

Cell Rep. 2019 Oct 29;29(5):1113-1129.e5. doi: 10.1016/j.celrep.2019.09.048.

<https://www.sciencedirect.com/science/article/pii/S2211124719312367#!>

Koob AO, Bruns L, Prassler C, Masliah E, Klopstock T, Bender A:

Protein analysis through Western blot of cells excised individually from human brain and muscle tissue

Anal Biochem. 2012 Mar 5. [Epub ahead of print]

<http://www.sciencedirect.com/science/article/pii/S0003269712001431>

Korlatowicz A, Pabian P, Solich J, Kolasa M, Latocha K, Dziedzicka-Wasylewska M, Faron-Górecka A: Habenula as a Possible Target for Treatment-Resistant Depression Phenotype in Wistar Kyoto Rats

Mol Neurobiol. 2022 Nov 8. doi: 10.1007/s12035-022-03103-y.

<https://doi.org/10.1007/s12035-022-03103-y>

Kosloski LM, Kosmacek EA, Olson KE, Mosley RL, and Gendelman HE:

GM-CSF induces neuroprotective and anti-inflammatory responses in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine intoxicated mice

Journal of Neuroimmunology, 29 Oct 2013, ISSN 0165-5728

<http://dx.doi.org/10.1016/j.jneuroim.2013.10.009>

Kozlenkov A, Roussos P, Timashpolsky A, Barbu M, Rudchenko S, Bibikova M, Klotzle B, Byne W, Lyddon R, Di Narzo AF, Hurd YL, Koonin EV, Dracheva S :

Differences in DNA methylation between human neuronal and glial cells are concentrated in enhancers and non-CpG sites

Nucleic Acids Res. 2013 Sep 20.

<http://nar.oxfordjournals.org/content/early/2013/09/19/nar.gkt838.abstract>

Krabbe S, Duda J, Schiemann J, Poetschke C, Schneider G, Kandel ER, Liss B, Roeper J, Simpson EH: **Increased dopamine D2 receptor activity in the striatum alters the firing pattern of dopamine neurons in the ventral tegmental area**

Proc Natl Acad Sci U S A. 2015 Feb 9. pii: 201500450.

<http://www.pnas.org/cgi/lookup?view=long&pmid=25675529>

Krause K, Eggers B, Uszkoreit J, Eulitz S, Rehmann R, Güttches AK, Schreiner A, van der Ven PFM, Fürst DO, Marcus K, Vorgerd M, Kley RA:

Target formation in muscle fibres indicates reinnervation - a proteomic study in muscle samples from peripheral neuropathies

Neuropathol Appl Neurobiol. 2022 Sep 30:e12853. doi: 10.1111/nan.12853.

<https://doi.org/10.1111/nan.12853>

Kruse LC, Walter NA, Buck KJ:

Mpdz Expression In The Caudolateral Substantia Nigra Pars Reticulata Is Crucially Involved In Alcohol Withdrawal

Genes Brain Behav. 2014 Aug 11. doi: 10.1111/gbb.12171.

<http://dx.doi.org/10.1111/gbb.12171>

Kubištová A, Spišská V, Petrželková L, Hrubcová L, Moravcová S, Maierová L, Bendová Z:

Constant Light in Critical Postnatal Days Affects Circadian Rhythms in Locomotion and Gene Expression in the Suprachiasmatic Nucleus, Retina, and Pineal Gland Later in Life

Biomedicines. 2020 Dec 7;8(12):E579. doi: 10.3390/biomedicines8120579.

<https://www.mdpi.com/2227-9059/8/12/579/htm>

Kumar D, Koyanagi I, Carrier-Ruiz A, Vergara P, Srinivasan S, Sugaya Y, Kasuya M, Yu TS, Vogt KE, Muratani M, Ohnishi T, Singh S, Teixeira CM, Chérasse Y, Naoi T, Wang SH, Nondhalee P, Osman BAH, Kaneko N, Sawamoto K, Kernie SG, Sakurai T, McHugh TJ, Kano M, Yanagisawa M, Sakaguchi M:

Sparse Activity of Hippocampal Adult-Born Neurons during REM Sleep Is Necessary for Memory Consolidation

Neuron. 2020 May 20:S0896-6273(20)30354-8. doi: 10.1016/j.neuron.2020.05.008.

https://pubmed.ncbi.nlm.nih.gov/?term=Kumar+D&cauthor_id=32502462

Labuza A, Alldred MJ, Pidikiti H, Malek-Ahmadi MH, Lee SH, Heguy A, Coleman PD, Chakrabarty S, Chiosis G, Mufson EJ, Ginsberg SD:

Frontal cortex pyramidal neuron expression profiles differentiate the prodromal stage from progressive degeneration across the Alzheimer's disease spectrum

Alzheimers Dement. 2025 Jul;21(7):e70395. doi: 10.1002/alz.70395.

<https://doi.org/10.1002/alz.70395>

Ladyman SR, Augustine RA, Scherf E, Philipps HR, Brown CH, Grattan DR:

Attenuated hypothalamic responses to alpha-melanocyte stimulating hormone during pregnancy in the rat

J Physiol. 2015 Nov 28. doi: 10.1113/JP271605.

<http://dx.doi.org/10.1113/JP271605>

Lammel, S., Hetzel, A., Hackel, O., Jones, I., Liss, B., and Roeper, J.:

Unique properties of mesoprefrontal neurons within a dual mesocorticolimbic dopamine system

Neuron 57(5): 760-773 (2008)

<http://www.cell.com/neuron/retrieve/pii/S0896627308001074>

Landmann EM, Schellong K, Melchior K, Rodekamp E, Ziska T, Harder T, Plagemann A:

Short-term regulation of the hypothalamic melanocortineric system under fasting and defined glucose-refeeding conditions in rats: A lasercapture microdissection (LMD)-based study

Neurosci Lett. 2012 Apr 25;515(1):87-91.

[http://linkinghub.elsevier.com/retrieve/pii/S0304-3940\(12\)00374-6](http://linkinghub.elsevier.com/retrieve/pii/S0304-3940(12)00374-6)

Latchoumane CV, Betancur MI, Simchick GA, Sun MK, Forghani R, Lenear CE, Ahmed A, Mohankumar R, Balaji N, Mason HD, Archer-Hartmann SA, Azadi P, Holmes PV, Zhao Q, Bellamkonda RV, Karumbaiah L:

Engineered glycomaterial implants orchestrate large-scale functional repair of brain tissue chronically after severe traumatic brain injury

Sci Adv. 2021 Mar 5;7(10):eabe0207. doi: 10.1126/sciadv.abe0207. Print 2021 Mar.

<https://doi.org/10.1126/sciadv.abe0207>

Lax NZ, Whittaker RG, Hepplewhite PD, Reeve AK, Blakely EL, Jaros E, Ince PG, Taylor RW, Fawcett PR, Turnbull DM:

Sensory neuronopathy in patients harbouring recessive polymerase γ mutations

Brain. 2011 Dec 20.; doi:10.1093/brain/awr326

<http://brain.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=22189570>

Lee AWS, Hengstler H, Schwald K, Berriel-Diaz M, Loreth D, Kirsch M, Kretz O, Haas CA, de Angelis MH, Herzig S, Brümmendorf T, Klingenspor M, Rathjen FG, Rozman J, Nicholson G, Cox RD, Schäfer MKE:

Functional Inactivation of the Genome-Wide Association Study Obesity Gene Neuronal Growth Regulator 1 in Mice Causes a Body Mass Phenotype

PLoS ONE 7(7): e41537. doi:10.1371/journal.pone.0041537

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0041537>

Lee S, Toda T, Kiyama H, Yamashita T:

Weakened rate-dependent depression of Hoffmann's reflex and increased motoneuron hyperactivity after motor cortical infarction in mice

Cell Death Dis. 2014 Jan 16;5:e1007. doi: 10.1038/cddis.2013.544.

<http://www.nature.com/cddis/journal/v5/n1/pdf/cddis2013544a.pdf>

Lee WS, Baldassari S, Chipaux M, Adle-Biassette H, Stephenson SEM, Maixner W, Harvey AS, Lockhart PJ, Baulac S, Leventer RJ:

Gradient of brain mosaic RHEB variants causes a continuum of cortical dysplasia.

Ann Clin Transl Neurol. 2021 Jan 12. doi: 10.1002/acn3.51286.

<https://onlinelibrary.wiley.com/doi/epdf/10.1002/acn3.51286>

Lee Y, Stevens DA, Kang SU, Jiang H, Lee YI, Ko HS, Scarffe LA, Umanah GE, Kang H, Ham S, Kam TI, Allen K, Brahmachari S, Kim JW, Neifert S, Yun SP, Fiesel FC, Springer W, Dawson VL, Shin JH, Dawson TM:

PINK1 Primes Parkin-Mediated Ubiquitination of PARIS in Dopaminergic Neuronal Survival

Cell Rep. 2017 Jan 24;18(4):918-932. doi: 10.1016/j.celrep.2016.12.090.

<http://www.sciencedirect.com/science/article/pii/S2211124716318125>

Léger C, Dupré N, Aligny C, Bénard M, Lebon A, Henry V, Hauchecorne M, Galas L, Frebourg T, Leroux P, Vivien D, Lecointre M, Marret S, Gonzalez BJ

Glutamate controls vessel-associated migration of GABA interneurons from the pial migratory route via NMDA receptors and endothelial protease activation

Cell Mol Life Sci. 2019 Aug 7. doi: 10.1007/s00018-019-03248-5.

<https://dx.doi.org/10.1007/s00018-019-03248-5>

Lei HC:

Drives Blunted by Time: The Effects of Aging on Motivational Behaviors and Responses to Social Isolation in Mice

Thesis, August 2023

<https://www.proquest.com/openview/77d9cd9ce67aa27ffe55096f8559c8b2/1>

Lei HC, Parker KE, Yuede CM, McCall JG, Imai S-i:

Aging reduces motivation through decreased Bdnf expression in the ventral tegmental area

bioRxiv preprint doi: 10.1101/2023.01.19.524624; January 20, 2023.

<https://doi.org/10.1101/2023.01.19.524624>

Leitner DF, Kanshin E, Askenazi M, Faustin A, Friedman D, Devore S, Ueberheide B, Wisniewski T, Devinsky O:

Raphe and ventrolateral medulla proteomics in epilepsy and sudden unexpected death in epilepsy

Brain Communications, fcac186

<https://doi.org/10.1093/braincomms/fcac186>

Leitner DF, Kanshin E, Faustin A, Thierry M, Friedman D, Devore S, Ueberheide B, Devinsky O, Wisniewski T:

Localized Proteomic Differences in Choroid Plexus of Alzheimer's Disease and Epilepsy Patients

Front. Neurol., Sec. Dementia and Neurodegenerative Diseases, Volume 14 - 2023 | doi:

10.3389/fneur.2023.1221775

<https://www.frontiersin.org/articles/10.3389/fneur.2023.1221775>

Leitner DF, Kavanagh T, Kanshin E, Balcomb K, Pires G, Thierry M, Suazo JI, Schneider J, Ueberheide B, Drummond E, Wisniewski T:

Differences in the cerebral amyloid angiopathy proteome in Alzheimer's disease and mild cognitive impairment

Acta Neuropathol. 2024 Jul 22;148(1):9. doi: 10.1007/s00401-024-02767-1.

<https://doi.org/10.1007/s00401-024-02767-1>

Leitner DF, William C, Faustin A, Askenazi M, Kanshin E, Snuderl M, McGuone D, Wisniewski T, Ueberheide B, Gould L, Devinsky O:

Proteomic differences in hippocampus and cortex of sudden unexplained death in childhood

Acta Neuropathol. 2022 Mar 25. doi: 10.1007/s00401-022-02414-7.

<https://link.springer.com/article/10.1007/s00401-022-02414-7>

Lenoel I, Ribon M, Lorenc F, Diebold A, Philibert CE, Robaldo D, Badsì M, Perronnet J, Lameth J, Berriat F, Misawa H, Coutelier M, Cassel R, Sarrazin N, Jost-Mousseau C, Bohl D, Millecamps S, Mallat M, Brenner D, Weishaupt JH, Boillée S, Lobsiger CS:

ALS/FTD-linked TBK1 deficiency in microglia induces an aged-like microglial signature and drives social recognition deficits in mice

Nat Commun. 2025 Aug 26;16(1):7951. doi: 10.1038/s41467-025-63211-w.

<https://doi.org/10.1038/s41467-025-63211-w>

Lepagnol-Bestel AM, Maussion G, Boda B, Cardona A, Iwayama Y, Delezoide AL, Moalic JM, Muller D, Dean B, Yoshikawa T, Gorwood P, Buxbaum JD, Ramoz N, Simonneau M:

SLC25A12 expression is associated with neurite outgrowth and is upregulated in the prefrontal cortex of autistic subjects

Mol Psychiatry. 2008 Apr;13(4):385-97

<http://www.nature.com/mp/journal/v13/n4/full/4002120a.html>

Li W, Ren Z, Tang Y, Fu Y, Sun S, Ding R, Hou J, Mai Y, Zhan B, Zhu Y, Zuo W, Ye JH, Fu R:

Rostromedial tegmental nucleus nociceptin/orphanin FQ (N/OFQ) signaling regulates anxiety- and depression-like behaviors in alcohol withdrawn rats

Neuropsychopharmacology. 2022 Nov 3. doi: 10.1038/s41386-022-01482-3.

<https://doi.org/10.1038/s41386-022-01482-3>

Liao J, Qian J, Fang Y, Chen Z, Zhuang X, Zhang N, Shao X, Yang H, Yang P, Cheng J, Hu Y, Hu Y, Yu L, Zhang J, Lu X, Shao L, Wu D, Gao Y, Chen H, Fan X:

Spatially resolved single-cell deconvolution of bulk RNA seq using Bulk2Space

bioRxiv, 18 Jan 2022, doi: <https://doi.org/10.1101/2022.01.15.476472>

<https://www.biorxiv.org/content/biorxiv/early/2022/01/18/2022.01.15.476472.full.pdf>

Licht-Mayer S, Campbell GR, Canizares M, Mehta AR, Gane AB, McGill K, Ghosh A, Fullerton A, Menezes N, Dean J, Dunham J, Al-Azki S, Pryce G, Zandee S, Zhao C, Kipp M, Smith KJ, Baker D, Altmann D, Anderton SM, Kap YS, Laman JD, Hart BA', Rodriguez M, Watzlawick R, Schwab JM, Carter R, Morton N, Zagnoni M, Franklin RJM, Mitchell R, Fleetwood-Walker S, Lyons DA, Chandran S, Lassmann H, Trapp BD, Mahad DJ:

Enhanced axonal response of mitochondria to demyelination offers neuroprotection: implications for multiple sclerosis

Acta Neuropathol. 2020 Jun 22. doi: 10.1007/s00401-020-02179-x.

<https://link.springer.com/content/pdf/10.1007/s00401-020-02179-x.pdf>

Lieberman JA:

A framework for systematic promoter motif discovery and expression profiling from high dimensional brain transcriptome data

Thesis, 2013

http://academiccommons.columbia.edu/download/fedora_content/download/ac:166684/CONTENT/FINAL_A_framework_for_systematic_promoter_motif_discovery_and_expression_profiling_from_high_dimensional_brain_transcriptome_data.pdf

Liebe CH:

Klinische, histopathologische und genetische Charakterisierung der Myofibrillären Myopathien

PhD thesis (German language)

<http://darwin.bth.rwth-aachen.de/opus3/volltexte/2015/5290/pdf/5290.pdf>

Lin AC, Tan CL, Lin CL, Strohlic L, Huang YS, Richter JD, Holt CE:

Cytoplasmic polyadenylation and cytoplasmic polyadenylation element-dependent mRNA regulation are involved in Xenopus retinal axon development

Neural Dev. 2009 Mar 2;4:8. doi: 10.1186/1749-8104-4-8.

<http://www.neuraldevelopment.com/content/4/1/8>

Lin LC, Lewis DA, Sibille E:

A human-mouse conserved sex bias in amygdala gene expression related to circadian clock and energy metabolism

Mol Brain. 2011 May 4;4(1):18

<http://www.molecularbrain.com/content/4/1/18/abstract>

Lin LC, Sibille E:

Somatostatin, neuronal vulnerability and behavioral emotionality

Mol Psychiatry. 2015 Jan 20. doi: 10.1038/mp.2014.184.

<http://www.nature.com/mp/journal/vaop/ncurrent/full/mp2014184a.html>

Liss, B., Haeckel, O., Wildmann, J., Miki, T., Seino, S., and Roeper, J.:

K-ATP channels promote the differential degeneration of dopaminergic midbrain neurons

Nat Neurosci 8(12): 1742-1751 (2005)

<http://www.nature.com/neuro/journal/v8/n12/full/nn1570.html>

Liss B, Simons C, Benkert J, Deuter N, Pongs O, Schneider T, Duda J:

NCS-1 deficiency affects mRNA-levels of genes involved in regulation of ATP-Synthesis and mitochondrial stress in highly vulnerable Substantia nigra dopaminergic neurons

Front. Mol. Neurosci. | doi: 10.3389/fnmol.2019.00252

<https://www.frontiersin.org/articles/10.3389/fnmol.2019.00252/abstract>

Liu F, Lou J, Zhao D, Li W, Zhao Y, Sun X, Yan C :

Dysferlinopathy: Mitochondrial Abnormalities in Human Skeletal Muscle

Int J Neurosci. 2015 May 22:1-22.

<http://informahealthcare.com/doi/abs/10.3109/00207454.2015.1034801>

Liu JY, Reeves C, Diehl B, Coppola A, Al-Hajri A, Hoskote C, Al Mughairy S, Tachrount M, Groves M, Michalak Z, Mills K, McEvoy AW, Miserocchi A, Sisodiya SM, Thom M:

Early lipofuscin accumulation in Frontal Lobe Epilepsy

Ann Neurol. 2016 Oct 20. doi: 10.1002/ana.24803

<http://onlinelibrary.wiley.com/doi/10.1002/ana.24803/epdf>

Liu J, Wang Z, Liang W, Zhang Z, Deng Y, Chen X, Hou Z, Xie Y, Wang Q, Li Y, Bai C, Li D, Mo F, Wang H, Wang D, Yuan J, Wang Y, Teng ZQ, Hu B:

Microglial TMEM119 binds to amyloid- β to promote its clearance in an A β -depositing mouse model of Alzheimer's disease

Immunity. 2025 May 9:S1074-7613(25)00181-5. doi: 10.1016/j.immuni.2025.04.018.

<https://doi.org/10.1016/j.immuni.2025.04.018>

Liu XS, Chopp M, Wang XL, Zhang L, Hozeska-Solgot A, Tang T, Kassis H, Zhang RL, Chen C, Xu J, Zhang ZG:

MicroRNA-17/92 cluster mediates the proliferation and survival of neural progenitor cells after stroke

J Biol Chem. 2013 Mar 19.

<http://www.jbc.org/content/early/2013/03/19/jbc.M112.449025.full.pdf+html>

Liu XS, Chopp M, Zhang RL, Tao T, Wang XL, Kassis H, Hozeska-Solgot A, Zhang L, Chen C, Zhang ZG:

MicroRNA Profiling in Subventricular Zone after Stroke: MiR-124a Regulates Proliferation of Neural Progenitor Cells through Notch Signaling Pathway

PLoS ONE 6(8): e23461. doi:10.1371/journal.pone.0023461 (2011)

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0023461>

Liu Y, Eastwood JD, Alba DE, Velmurugan S, Sun N, Porciatti V, Lee RK, Hauswirth WW, Guy J, Yu H:

Gene therapy restores mitochondrial function and protects retinal ganglion cells in optic neuropathy induced by a mito-targeted mutant ND1 gene

Gene Ther. 2022 Apr 6. doi: 10.1038/s41434-022-00333-6.

<https://www.nature.com/articles/s41434-022-00333-6>

Liu Z, Brown A, Fisher D, Wu Y, Warren J, Cui X:

Tissue Specific Expression of Cre in Rat Tyrosine Hydroxylase and Dopamine Active Transporter-Positive Neurons

PLoS One. 2016 Feb 17;11(2):e0149379. doi: 10.1371/journal.pone.0149379. eCollection 2016.

<http://dx.plos.org/10.1371/journal.pone.0149379>

Liu Z, Xu J, Ma Q, Zhang X, Yang Q, Wang L, Cao Y, Xu Z, Tawfik A, Sun Y, Weintraub NL, Fulton DJ, Hong M, Dong Z, Smith LEH, Caldwell RB, Sodhi A, Huo Y:

Glycolysis links reciprocal activation of myeloid cells and endothelial cells in the retinal angiogenic niche

Sci Transl Med. 2020 Aug 5;12(555):eaay1371. doi: 10.1126/scitranslmed.aay1371.

<http://stm.sciencemag.org/cgi/pmidlookup?view=short&pmid=32759274>

Lobsiger CS, Boillée S, Cleveland DW:

Toxicity from different SOD1 mutants dysregulates the complement system and the neuronal regenerative response in ALS motor neurons

Proc Natl Acad Sci U S A. 2007 May 1;104(18):7319-26.

<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=17463094>

Lofqvist C, Willett KL, Aspegren O, Smith AC, Aderman CM, Connor KM, Chen J, Hellstrom A, Smith LE:

Quantification and localization of the IGF/insulin system expression in retinal blood vessels and neurons during oxygen-induced retinopathy in mice

Invest Ophthalmol Vis Sci 50(4):1831-7 (2009)

<http://www.iovs.org/content/50/4/1831.short>

Lotz, M., Gutle, D., Walther, S., Menard, S., Bogdan, C., and Hornef, M.W.:

Postnatal acquisition of endotoxin tolerance in intestinal epithelial cells

J Exp Med 203(4): 973-984 (2006)

<http://jem.rupress.org/content/203/4/973.long>

Loziuk P, Meier F, Johnson C, Ghashghaei HT, Muddiman DC:

TransOmic analysis of forebrain sections in Sp2 conditional knockout embryonic mice using IR-MALDESI imaging of lipids and LC-MS/MS label-free proteomics

Anal Bioanal Chem. 2016 Mar 4.

<http://dx.doi.org/10.1007/s00216-016-9421-3>

Lucchini V:

Il difetto ossidativo mitocondriale e le alterazioni del DNA mitocondriale in topi transgenici modello animale della Atassia Spinocerebellare di tipo 1

Tesi di Dottorato, PhD thesis

http://air.unimi.it/bitstream/2434/169922/4/phd_unimi_R08149.pdf

Luo W:

Single-Soma Deep RNA Sequencing of Human Dorsal Root Ganglion Neurons Reveals Novel Molecular and Cellular Mechanisms Underlying Somatosensation

Research Square, 15th Sep 2023

<https://doi.org/10.21203/rs.3.rs-3293629/v1>

Luquin N, Sierra S, Rico AJ, Gómez-Bautista V, Roda E, Conte-Perales L, Franco R, McCormick P, Labandeira-García JL, Lanciego JL:

Unmasking adenosine 2A receptors (A(2A)Rs) in monkey basal ganglia output neurons using cholera toxin subunit B (CTB)

Neurobiol Dis. 2012 May 31;47(3):347-357

<http://www.sciencedirect.com/science/article/pii/S0969996112001921>

Lux TJ, Hu X, Ben-Kraiem A, Blum R, Tsung-Chieh Chen J, Rittner HL:

Regional Differences in Tight Junction Protein Expression in the Blood–DRG Barrier and Their Alterations after Nerve Traumatic Injury in Rats

Int. J. Mol. Sci. 2020, 21, 270; doi:10.3390/ijms21010270

<https://www.mdpi.com/1422-0067/21/1/270>

Ma P, Song NN, Li Y, Zhang Q, Zhang L, Zhang L, Kong Q, Ma L, Yang X, Ren B, Li C, Zhao X, Li Y, Xu Y, Gao X, Ding YQ, Mao B

Fine-Tuning of Shh/Gli Signaling Gradient by Non-proteolytic Ubiquitination during Neural Patterning

Cell Rep. 2019 Jul 9;28(2):541-553.e4. doi: 10.1016/j.celrep.2019.06.017.

[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(19\)30783-1](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(19)30783-1)

Maerkens A, Kley RA, Schreiner A, Theis V, Mueller T, Vorgerd M, Marcus K:

Differential proteomic analysis of protein aggregates in desminopathy

Neuromuscular Disorders, Volume 22, Issue 9, Page 821, October 2012

<http://www.nmd-journal.com/article/S0960-8966%2812%2900249-0/abstract>

Maity S, Huang Y, Kilgore MD, Thurmon AN, Vaasjo LO, Galazo MJ, Xu X, Cao J, Wang X, Ning B, Liu N, Fan J:

Mapping dynamic molecular changes in hippocampal subregions after traumatic brain injury through spatial proteomics

Clin Proteomics. 2024 May 12;21(1):32. doi: 10.1186/s12014-024-09485-6.

<https://doi.org/10.1186/s12014-024-09485-6>

Majak K, Dabrowski M, Pitkänen A:

Epileptogenesis alters gene expression pattern in rats subjected to amygdala-dependent emotional learning

Neuroscience. 2009 Mar 17;159(2):468-82

<http://dx.doi.org/10.1016/j.neuroscience.2008.12.060>

Malik S, Valdebenito S, D'Amico D, Prideaux B, Eugenin EA:

HIV infection of astrocytes compromises inter-organelle interactions and inositol phosphate metabolism: a potential mechanism of bystander damage and viral reservoir survival

Prog Neurobiol. 2021 Aug 26;102:157. doi: 10.1016/j.pneurobio.2021.102157.

<https://www.sciencedirect.com/science/article/pii/S0301008221001714>

Man JHK, Breur M, van Gelder CAGH, Marcon G, Maderna E, Giaccone G, Altelaar M, van der Knaap MS and Bugiani M:

Region-specific and age-related differences in astrocytes in the human brain

Neurobiology of Aging, (2024) doi:<https://doi.org/10.1016/j.neurobiolaging.2024.02.016>

<https://doi.org/10.1016/j.neurobiolaging.2024.02.016>

Man JHK, van Gelder CAGH, Breur M, Molenaar D, Abbink T, Altelaar M, Bugiani M, van der Knaap MS:

Regional vulnerability of brain white matter in vanishing white matter

Acta Neuropathol Commun. 2023 Jun 22;11(1):103. doi: 10.1186/s40478-023-01599-6.

<https://doi.org/10.1186/s40478-023-01599-6>

Man JHK, Zarekiani P, Mosen P, de Kok M, Debets DO, Breur M, Altelaar M, van der Knaap MS, Bugiani M:

Proteomic dissection of vanishing white matter pathogenesis

Cell Mol Life Sci. 2024 May 24;81(1):234. doi: 10.1007/s00018-024-05258-4.
<https://doi.org/10.1007/s00018-024-05258-4>

Manabe S, Iwasaki C, Hatano M, Kametani F, Yazaki M, Nitta K, Nagata M:

AL amyloidosis with non-amyloid forming monoclonal immunoglobulin deposition; a case mimicking AHL amyloidosis

BMC Nephrol. 2018 Nov 22;19(1):337. doi: 10.1186/s12882-018-1050-y.
<https://bmcnephrol.biomedcentral.com/articles/10.1186/s12882-018-1050-y>

Marazuela P, Solé M, Bonaterra-Pastra A, Pizarro J, Camacho J, Martínez-Sáez E, Kuiperij HB, Verbeek MM, de Kort AM, Schreuder FHBM, Klijn CJM, Castillo-Ribelles L, Pancorbo O, Rodríguez-Luna D, Pujadas F, Delgado P, Hernández-Guillamon M:

MFG-E8 (LACTADHERIN): a novel marker associated with cerebral amyloid angiopathy

Acta Neuropathol Commun. 2021 Sep 16;9(1):154. doi: 10.1186/s40478-021-01257-9.
<https://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-021-01257-9>

Mariani E, Frabetti F, Tarozzi A, Pelleri MC, Pizzetti F, Casadei R:

Meta-Analysis of Parkinson's Disease Transcriptome Data Using TRAM Software: Whole Substantia Nigra Tissue and Single Dopamine Neuron Differential Gene Expression
PLoS One. 2016 Sep 9;11(9):e0161567. doi: 10.1371/journal.pone.0161567. eCollection 2016.

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0161567>

Martá-Ariza M, Leitner DF, Kanshin E, Suazo J, Giusti Pedrosa A, Thierry M, Lee EB, Devinsky O, Drummond E, Fortea J, Lleó A, Ueberheide B, Wisniewski T:

Comparison of the amyloid plaque proteome in Down syndrome, early-onset Alzheimer's disease, and late-onset Alzheimer's disease

Acta Neuropathol. 2025 Jan 18;149(1):9. doi: 10.1007/s00401-025-02844-z.
<https://doi.org/10.1007/s00401-025-02844-z>

Martá-Ariza M, Leitner DF, Kanshin E, Suazo J, Pedrose AG, Thierry M, Lee EB, Devinsky O, Drummond E, Fortea J, Lleó A, Ueberheide B, Wisniewski T:

Comparison of the Amyloid Plaque Proteome in Down Syndrome, Early-Onset Alzheimer's Disease and Late-Onset Alzheimer's Disease

ResearchSquare, 15 Jul 2024
<https://doi.org/10.21203/rs.3.rs-4469045/v1>

Martínez F, Cifuentes M, Tapia JC, Nualart F:

The median eminence as the hypothalamic area involved in rapid transfer of glucose to the brain: functional and cellular mechanisms

J Mol Med (Berl). 2019 Aug;97(8):1085-1097. doi: 10.1007/s00109-019-01799-5.
<https://dx.doi.org/10.1007/s00109-019-01799-5>

Mastroeni D, Nolz J, Khdour OM, Sekar S, Delvaux E, Cuyugan L, Liang WS, Hecht SM, Coleman PD:

Oligomeric amyloid β preferentially targets neuronal and not glial mitochondrial-encoded mRNAs

Alzheimer's & Dementia, 23 Jan 2018, ISSN 1552-5260, <https://doi.org/10.1016/j.jalz.2017.12.005>.
<https://www.sciencedirect.com/science/article/pii/S1552526017338761>

Mastroeni D, Nolz J, Sekar S, Delvaux E, Serrano G, Cuyugan L, Liang WS, Beach TG, Rogers J, Coleman PD:

Laser-captured microglia in the Alzheimer's and Parkinson's brain reveal unique regional expression profiles and suggest a potential role for hepatitis B in Alzheimer's brain

Neurobiology of Aging, 2017, ISSN 0197-4580, <https://doi.org/10.1016/j.neurobiolaging.2017.10.019>.
<http://www.sciencedirect.com/science/article/pii/S0197458017303585>

- Mastroeni D, Sekar S, Nolz J, Delvaux E, Lunnon K, Mill J, Liang WS, Coleman PD :
ANK1 is up-regulated in laser captured microglia in Alzheimer's brain; the importance of addressing cellular heterogeneity
PLoS One. 2017 Jul 12;12(7):e0177814. doi: 10.1371/journal.pone.0177814. eCollection 2017.
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0177814>
- Masuda T, Kai N, Sakuma C, Kobayashi K, Koga H, Yaginuma H:
Laser capture microdissection and cDNA array analysis for identification of mouse KIAA/FLJ genes differentially expressed in the embryonic dorsal spinal cord
Brain Res 1249:61-7 (2009)
<http://dx.doi.org/10.1016/j.brainres.2008.10.028>
- Matsuda K, Brown CR, Foley B, Goeken R, Whitted S, Dang Q, Wu F, Plishka R, White AB, Hirsch VM:
Laser Capture Microdissection Assessment of Virus Compartmentalization in the CNS of Macaques Infected with Neurovirulent SIV
J Virol. 2013 May 29
<http://jvi.asm.org/cgi/pmidlookup?view=long&pmid=23720733>
- Matsunaga E, Nambu S, Iriki A, Okanoya K:
Expression pattern of cadherins in the naked mole rat (*Heterocephalus glaber*) suggests innate cortical diversification of the cerebrum
J Comp Neurol. 2011 Jun 15;519(9):1736-47
<http://onlinelibrary.wiley.com/doi/10.1002/cne.22598/full>
- Maussion G, Moalic JM, Simonneau M, Gorwood P, Ramoz N:
Increased expression of BDNF mRNA in the frontal cortex of autistic patients
Behav Brain Res. 2018 Jun 21. pii: S0166-4328(18)30230-4. doi: 10.1016/j.bbr.2018.06.023.
<https://www.sciencedirect.com/science/article/pii/S0166432818302304>
- Mayer C, Jaglin XH, Cobbs LV, Bandler RC, Streicher C, Cepko CL, Hippenmeyer S, Fishell G:
Clonally Related Forebrain Interneurons Disperse Broadly across Both Functional Areas and Structural Boundaries
Neuron. 2015 Sep 2;87(5):989-98. doi: 10.1016/j.neuron.2015.07.011.
[http://linkinghub.elsevier.com/retrieve/pii/S0896-6273\(15\)00633-9](http://linkinghub.elsevier.com/retrieve/pii/S0896-6273(15)00633-9)
- McCullumsmith R, Imami A, Hamoud A, Ryan W, Sahay S, Arvay T, O'Donovan S, Asah S, Golchin H, Joyce A, Walss-Bass C, Shedroff W, Devine E:
Neuronal alterations in AKT isotype expression in schizophrenia
Research Square, 13th March 2024
<https://doi.org/10.21203/rs.3.rs-3940448/v1>
- Mei I, Nichterwitz S, Leboeuf M, Nijssen J, Lenoel I, Repsilber D, Lobsinger CS, Hedlund E:
Transcriptional modulation unique to vulnerable motor neurons predicts ALS across species and SOD1 mutations
bioRxiv, preprint doi: 10.1101/2024.03.15.584775; March 22, 2024
<https://doi.org/10.1101/2024.03.15.584775>
- Meltendorf C, Burbach GJ, Ohrloff C, Ghebremedhin E, Deller T:
Intrastromal Keratotomy with Femtosecond Laser Avoids Profibrotic TGF-beta 1 Induction
Invest Ophthalmol Vis Sci. 50(8): 3688-95 (2009)
<http://www.iovs.org/content/50/8/3688.long>
- Mesci P, Zaïdi S, Lobsiger CS, Millemcamps S, Escartin C, Seilhean D, Sato H, Mallat M, Boillée S:
System xC- is a mediator of microglial function and its deletion slows symptoms in amyotrophic lateral sclerosis mice

Brain. 2014 Nov 10. pii: awu312.

<http://brain.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=25384799>

Mesko MF, Salber D, Pozebon D, Dressler VL, Becker JS:

Evaluation of metal distributions in small samples of mouse brain lesions (hematoma) by inductively coupled plasma mass spectrometry after sampling by laser microdissection (LMD)

Int J of Mass Spec, Volume 307, Issues 1–3, 1 October 2011, Pages 137–141

<http://www.sciencedirect.com/science/article/pii/S138738061100159X>

Miccoli A, Pianese V, Bidoli C, Fausto AM, Scapigliati G, Picchietti S:

Transcriptome profiling of microdissected cortex and medulla unravels functional regionalization in the European sea bass *Dicentrarchus labrax* thymus

Fish Shellfish Immunol. 2023 Dec 23;145:109319. doi: 10.1016/j.fsi.2023.109319.

<https://doi.org/10.1016/j.fsi.2023.109319>

Miedema SSM, Rajicic A, Mol MO, Paliukhovich I, Klaassen RV, van Buuren R, Li KW, Koopmans FTW, Seelaar H, van Rooij JGJ, Smit AB, van Swieten JC:

Proteomics of the temporal cortex in semantic dementia reveals brain-region specific molecular pathology and regulation of the TDP-43-ANXA11 interactome

Acta Neuropathol Commun. 2025 Jul 25;13(1):162. doi: 10.1186/s40478-025-02077-x.

<https://doi.org/10.1186/s40478-025-02077-x>

Miller JA, Ding SL, Sunkin SM, Smith KA, Ng L, Szafer A, Ebbert A, Riley ZL, Royall JJ, Aiona K, Arnold JM, Bennet C, Bertagnolli D, Brouner K, Butler S, Caldejon S, Carey A, Cuhaciyan C, Dalley RA, Dee N, Dolbeare TA, Facer BA, Feng D, Fliss TP, Gee G, Goldy J, Gourley L, Gregor BW, Gu G, Howard RE, Jochim JM, Kuan CL, Lau C, Lee CK, Lee F, Lemon TA, Lesnar P, McMurray B, Mastan N, Mosqueda N, Naluai-Cecchini T, Ngo NK, Nyhus J, Oldre A, Olson E, Parente J, Parker PD, Parry SE, Stevens A, Pletikos M, Reding M, Roll K, Sandman D, Sarreal M, Shapouri S, Shapovalova NV, Shen EH, Sjoquist N, Slaughterbeck CR, Smith M, Sodt AJ, Williams D, Zöllei L, Fischl B, Gerstein MB, Geschwind DH, Glass IA, Hawrylycz MJ, Hevner RF, Huang H, Jones AR, Knowles JA, Levitt P, Phillips JW, Sestan N, Wohnoutka P, Dang C, Bernard A, Hohmann JG, Lein ES:

Transcriptional landscape of the prenatal human brain

Nature. 2014 Apr 2. doi: 10.1038/nature13185.

<http://dx.doi.org/10.1038/nature13185>

Miller JA, Nathanson J, Franjic D, Shim S, Dalley RA, Shapouri S, Smith KA, Sunkin SM, Bernard A, Bennett JL, Lee CK, Hawrylycz MJ, Jones AR, Amaral DG, Sestan N, Gage FH, Lein ES:

Conserved molecular signatures of neurogenesis in the hippocampal subgranular zone of rodents and primates

Development. 2013 Oct 23.

<http://dev.biologists.org/cgi/pmidlookup?view=long&pmid=24154525>

Mishra PK, Teale JM:

Transcriptome analysis of the ependymal barrier during murine neurocysticercosis

J Neuroinflammation. 2012 Jun 25;9(1):141

<http://www.jneuroinflammation.com/content/9/1/141/abstract>

Mitrasinovic, O.M., Grattan, A., Robinson, C.C., Lapustea, N.B., Poon, C., Ryan, H., Phong, C., and Murphy, G.M., Jr.:

Microglia overexpressing the macrophage colony-stimulating factor receptor are neuroprotective in a microglial-hippocampal organotypic coculture system

J Neurosci 25(17): 4442-4451 (2005)

<http://www.jneurosci.org/content/25/17/4442.long>

Mitre M, Kranz TM, Marlin BJ, Schiavo JK, Erdjument-Bromage H, Zhang X, Minder J, Neubert TA, Hackett TA, Chao MV, and Froemke RC:

Sex-Specific Differences in Oxytocin Receptor Expression and Function for Parental Behavior

GENDER AND THE GENOME Volume 1, Number 4, 2017

<http://online.liebertpub.com/doi/pdfplus/10.1089/gg.2017.0017>

Miyashita T, Wintzer M, Kurotani T, Konishi T, Ichinohe N, Rockland KS:

Neurotrophin-3 Is Involved in the Formation of Apical Dendritic Bundles in Cortical Layer 2 of the Rat

Cereb Cortex 20(1):229-40 (2010)

<http://cercor.oxfordjournals.org/content/20/1/229.short>

Mohylyak I, Andriatsilavo M, Bengochea M, Pascual-Caro C, Asfago N, Fonseca-Topp S, Danda N, Cassar M, Marie C, Atak ZK, De Waegeneer M, Aerts S, Corti O, de Juan-Sanz J, Hassan BA:

Temporal transcriptional regulation of mitochondrial morphology primes activity-dependent circuit connectivity

Nat Commun. 2025 Sep 1;16(1):8173. doi: 10.1038/s41467-025-62908-2.

<https://doi.org/10.1038/s41467-025-62908-2>

Moradi M, Sivadasan R, Saal L, Lüningschrör P, Dombert B, Rathod RJ, Dieterich DC, Blum R, Sendtner M:

Differential roles of α -, β -, and γ -actin in axon growth and collateral branch formation in motoneurons

J Cell Biol. 2017 Feb 28. pii: jcb.201604117. doi: 10.1083/jcb.201604117.

<http://jcb.rupress.org/cgi/pmidlookup?view=long&pmid=28246119>

Molnár Z, Belgard TG:

Transcriptional profiling of layers of the primate cerebral cortex

Neuron. 2012 Mar 22;73(6):1053-5.

[http://linkinghub.elsevier.com/retrieve/pii/S0896-6273\(12\)00230-9](http://linkinghub.elsevier.com/retrieve/pii/S0896-6273(12)00230-9)

Moravcová S:

Modulace signální dráhy JAK/STAT v suprachiasmatickém jádře hypotalamu potkana - Modulation of the JAK/STAT signaling pathway in the suprachiasmatic nucleus of rat hypothalamus

Thesis (Czech language), 2021

<https://dspace.cuni.cz/bitstream/handle/20.500.11956/148728/140095197.pdf?sequence=1>

Moreno B, Jukes JP, Vergara-Irigaray N, Errea O, Villoslada P, Perry VH, Newman TA:

Systemic inflammation induces axon injury during brain inflammation

Ann Neurol., DOI: 10.1002/ana.22550

<http://onlinelibrary.wiley.com/doi/10.1002/ana.22550/abstract>

Moulin C, Dvorianchikova G, Binesfar N, Swingle B, Martinez G, Groso D, Zhang M, Ivanov D, Pelaez D:

Novel laser model of optic nerve transection provides valuable insights about the dynamics of optic nerve regeneration

Research Square, 2nd Nov 2024

<https://doi.org/10.21203/rs.3.rs-5085599/v1>

Moulin C, Dvorianchikova G, Binesfar N, Swingle B, Martinez G, Groso D, Zhang M, Ivanov D, Pelaez D:

Publisher Correction: Novel laser model of optic nerve transection provides valuable insights about the dynamics of optic nerve regeneration

Sci Rep. 2024 Nov 29;14(1):29691. doi: 10.1038/s41598-024-80215-6.

<https://doi.org/10.1038/s41598-024-80215-6>

Mühling T, Duda J, Weishaupt J, Ludolph AC and Liss B:

Elevated mRNA-levels of distinct mitochondrial and plasma membrane Ca²⁺ transporters in individual hypoglossal motor neurons of endstage SOD1 transgenic mice.

Front. Cell. Neurosci., 8:353. doi:10.3389/fncel.2014.00353

<http://journal.frontiersin.org/Journal/10.3389/fncel.2014.00353/abstract>

Müller SK, Bender A, Laub C, Högen T, Schlaudraff F, Liss B, Klopstock T, Elstner M:

Lewy body pathology is associated with mitochondrial DNA damage in Parkinson's disease

Neurobiol Aging. 2013 Apr 6. pii: S0197-4580(13)00116-4. doi: 10.1016/j.neurobiolaging.2013.03.016.

<http://www.sciencedirect.com/science/article/pii/S0197458013001164>

Munakata Y, Yamada T, Imai J, Takahashi K, Tsukita S, Shirai Y, Kodama S, Asai Y, Sugisawa T, Chiba Y, Kaneko K, Uno K, Sawada S, Hatakeyama H, Kanzaki M, Miyazaki JI, Oka Y, Katagiri H:

Olfactory receptors are expressed in pancreatic β -cells and promote glucose-stimulated insulin secretion

Sci Rep. 2018 Jan 24;8(1):1499. doi: 10.1038/s41598-018-19765-5.

<https://www.nature.com/articles/s41598-018-19765-5.pdf>

Murphy JL, Ratnaike TE, Shang E, Falkous G, Blakely EL, Alston CL, Taivassalo T, Haller RG, Taylor RW, Turnbull DM:

Cytochrome c oxidase-intermediate fibres: Importance in understanding the pathogenesis and treatment of mitochondrial myopathy

Neuromuscul Disord. 2012 May 28. [Epub ahead of print]

<http://www.sciencedirect.com/science/article/pii/S0960896612001204>

Mutsuga, N. and Gainer, H.:

Molecular analysis of the magnocellular neuroendocrine phenotype: from the micropunch to laser microdissection

Neurochem Res 31(2): 189-199 (2006)

<http://www.springerlink.com/content/h585v38344277w47/>

Mutsuga, N., Shahar, T., Verbalis, J.G., Brownstein, M.J., Xiang, C.C., Bonner, R.F., and Gainer, H.:

Selective gene expression in magnocellular neurons in rat supraoptic nucleus

J Neurosci 24(32): 7174-7185 (2004)

<http://www.jneurosci.org/content/24/32/7174.long>

Mutsuga, N., Shahar, T., Verbalis, J.G., Xiang, C.C., Brownstein, M.J., and Gainer, H.:

Regulation of gene expression in magnocellular neurons in rat supraoptic nucleus during sustained hypoosmolality

Endocrinology 146(3): 1254-1267 (2005)

<http://endo.endojournals.org/cgi/content/full/146/3/1254>

Nagano S, Jinno J, Abdelhamid RF, Jin Y, Shibata M, Watanabe S, Hirokawa S, Nishizawa M, Sakimura K, Onodera O, Okada H, Okada T, Saito Y, Takahashi-Fujigasaki J, Murayama S, Wakatsuki S, Mochizuki H, Araki T:

TDP-43 transports ribosomal protein mRNA to regulate axonal local translation in neuronal axons

Acta Neuropathol. 2020 Aug 16. doi: 10.1007/s00401-020-02205-y.

<https://link.springer.com/article/10.1007/s00401-020-02205-y>

Nagatoshi A, Ueda M, Ueda A, Tasaki M, Inoue Y, Ma Y, Masuda T, Mizukami M, Matsumoto S, Kosaka T, Kawano T, Ito T, Ando Y:

Serum amyloid P component: A novel potential player in vessel degeneration in CADASIL

Jns(2017), doi: 10.1016/j.jns.2017.05.033

<http://www.sciencedirect.com/science/article/pii/S0022510X17303295>

Nakahara K, Okuda H, Isonishi A, Kawabe Y, Tanaka T, Tatsumi K, Wanaka A:
Amino acid transporter Asc-1 (SLC7A10) expression is altered in basal ganglia in experimental Parkinsonism and L-dopa-induced dyskinesia model mice
J Chem Neuroanat. 2022 Nov 17;102191. doi: 10.1016/j.jchemneu.2022.102191.
<https://doi.org/10.1016/j.jchemneu.2022.102191>

Nakanishi T, Fujita Y, Yamashita T:
Neuropilin-1-mediated pruning of corticospinal tract fibers is required for motor recovery after spinal cord injury
Cell Death Dis. 2019 Jan 25;10(2):67. doi: 10.1038/s41419-019-1338-2.
<https://www.nature.com/articles/s41419-019-1338-2.pdf>

Nakashima H, Ohkawara B, Ishigaki S, Fukudome T, Ito K, Tsushima M, Konishi H, Okuno T, Yoshimura T, Ito M, Masuda A, Sobue G, Kiyama H, Ishiguro N, Ohno K:
R-spondin 2 promotes acetylcholine receptor clustering at the neuromuscular junction via Lgr5
Sci Rep. 2016 Jun 22;6:28512. doi: 10.1038/srep28512.
<http://dx.doi.org/10.1038/srep28512>

Nakashima S, Morishita M, Ueno K, Tsukahara S:
Region-specific effects of copulation on dendritic spine morphology and gene expression related to spinogenesis in the medial preoptic nucleus of male rats
Psychoneuroendocrinology. 2019 May 29;108:1-13. doi: 10.1016/j.psyneuen.2019.05.025.
<https://www.sciencedirect.com/science/article/abs/pii/S0306453018310977#!>

Nartey MN, Peña-Castillo L, LeGrow M, Doré J, Bhattacharya S, Darby-King A, Carew SJ, Yuan Q, Harley CW, McLean JH:
Learning-induced mRNA alterations in olfactory bulb mitral cells in neonatal rats
Learn Mem. 2020 Apr 15;27(5):209-221. doi: 10.1101/lm.051177.119.
<http://learnmem.cshlp.org/content/27/5/209.full.pdf>

Nichterwitz S, Chen G, Aguila Benitez J, Yilmaz M, Storvall H, Cao M, Sandberg R, Deng Q, Hedlund E:
Laser capture microscopy coupled with Smart-seq2 for precise spatial transcriptomic profiling
Nat Commun. 2016 Jul 8;7:12139. doi: 10.1038/ncomms12139.
<http://dx.doi.org/10.1038/ncomms12139>

Nichterwitz S, Nijssen J, Storvall H, Schweingruber C, Comley LH, Allodi I, Lee MV, Deng Q, Sandberg R, Hedlund E:
LCM-seq reveals unique transcriptional adaptation mechanisms of resistant neurons and identifies protective pathways in spinal muscular atrophy
Genome Res. 2020 Aug;30(8):1083-1096. doi: 10.1101/gr.265017.120.
<https://genome.cshlp.org/content/early/2020/08/12/gr.265017.120.full.pdf>

Nijssen J:
Inter-and intracellular resistance and vulnerability in motor neuron diseases
Thesis, 2020
<https://openarchive.ki.se/xmlui/handle/10616/47164>

Nishimura H, Yoshimura M, Shimizu M, Sanada K, Sonoda S, Nishimura K, Baba K, Ikeda N, Motojima Y, Maruyama T, Nonaka Y, Baba R, Onaka T, Horishita T, Morimoto H, Yoshida Y, Kawasaki M, Sakai A, Muratani M, Conway-Campbell B, Lightman S, Ueta Y:
Endogenous oxytocin exerts anti-nociceptive and anti-inflammatory effects in rats
Commun Biol. 2022 Sep 5;5(1):907. doi: 10.1038/s42003-022-03879-8.
<https://www.nature.com/articles/s42003-022-03879-8>

Nizzardo M, Taiana M, Rizzo F, Aguila Benitez J, Nijssen J, Allodi I, Melzi V, Bresolin N, Comi GP, Hedlund E, Corti S:

Synaptotagmin 13 is neuroprotective across motor neuron diseases

Acta Neuropathol. 2020 Feb 17. doi: 10.1007/s00401-020-02133-x.

<https://link.springer.com/article/10.1007/s00401-020-02133-x>

Northeast RC, Chrobok L, Hughes ATL, Petit C, and Piggins HD:

Keeping time in the lamina terminalis: Novel oscillator properties of forebrain sensory circumventricular organs

The FASEB Journal, 15 Oct 2019, DOI: 10.1096/fj.201901111R

<https://onlinelibrary.wiley.com/doi/pdf/10.1096/fj.201901111R>

Nozohouri E, Noorani B, Patel D, Ahn Y, Zoubi S, Bickel U:

Assessing blood-brain barrier (BBB) integrity in an Alzheimer's disease mouse model: is the BBB globally or locally disrupted?

Fluids Barriers CNS. 2025 Jul 23;22(1):79. doi: 10.1186/s12987-025-00685-2.

<https://doi.org/10.1186/s12987-025-00685-2>

Nuthikattu S, Milenkovic D, Rutledge JC, Villablanca AC:

Lipotoxic Injury Differentially Regulates Brain Microvascular Gene Expression in Male Mice

Nutrients. 2020 Jun 13;12(6):E1771. doi: 10.3390/nu12061771.

<https://www.mdpi.com/resolver?pii=nu12061771>

Nuthikattu S, Milenkovic D, Rutledge J, Villablanca A

The Western Diet Regulates Hippocampal Microvascular Gene Expression: An Integrated Genomic Analyses in Female Mice.

Sci Rep. 2019 Dec 13;9(1):19058. doi: 10.1038/s41598-019-55533-9.

<http://dx.doi.org/10.1038/s41598-019-55533-9>

Oda W, Fujita Y, Baba K, Mochizuki H, Niwa H, Yamashita T:

Inhibition of repulsive guidance molecule-a protects dopaminergic neurons in a mouse model of Parkinson's disease

Cell Death Dis. 2021 Feb 15;12(2):181. doi: 10.1038/s41419-021-03469-2.

<https://www.nature.com/articles/s41419-021-03469-2>

Oh H, Newton D, Lewis D, Sibille E:

Lower Levels of GABAergic Function Markers in Corticotropin-Releasing Hormone-Expressing Neurons in the sgACC of Human Subjects With Depression

Front Psychiatry. 2022 Feb 25;13:827972. doi: 10.3389/fpsyt.2022.827972. eCollection 2022.

<https://www.frontiersin.org/articles/10.3389/fpsyt.2022.827972/full>

Ohara S, Hagihara M, Hua J, Inoue M, Uchida T, Yoshinaga T, Yazaki M, Sekijima Y, Kametani F:

Recurrence of Waldenström macroglobulinemia accompanied by factor X deficiency

Rinsho Ketsueki. 2016;57(3):359-63. doi: 10.11406/rinketsu.57.359.

<http://dx.doi.org/10.11406/rinketsu.57.359>

Ohkawara B, Kurokawa M, Kanai A, Imamura K, Chen G, Zhang R, Masuda A, Higashi K, Mori H, Suzuki Y, Kurokawa K, Ohno K:

Transcriptome profile of subsynaptic myonuclei at the neuromuscular junction in embryogenesis

J Neurochem. 2023 Nov 23. doi: 10.1111/jnc.16013.

<https://doi.org/10.1111/jnc.16013>

Okada S, Hara M, Kobayakawa K, Matsumoto Y, Nakashima Y:

Astrocyte reactivity and astrogliosis after spinal cord injury

Neurosci Res. 2017 Oct 17. pii: S0168-0102(17)30592-8. doi: 10.1016/j.neures.2017.10.004. Review.

[https://linkinghub.elsevier.com/retrieve/pii/S0168-0102\(17\)30592-8](https://linkinghub.elsevier.com/retrieve/pii/S0168-0102(17)30592-8)

Okamoto K, Emura N, Sato H, Fukatsu Y, Saito M, Tanaka C, Morita Y, Nishimura K, Kuramoto E, Xu Yin D, Furutani K, Okazawa M, Kurachi Y, Kaneko T, Maeda Y, Yamashiro T, Takada K, Toyoda H, Kang Y :
The possible role of TASK channels in rank-ordered recruitment of motoneurons in the dorsolateral part of the trigeminal motor nucleus

Eneuro, 016/07/07, doi: 10.1523/ENEURO.0138-16.2016

<http://eneuro.org/content/early/2016/07/07/ENEURO.0138-16.2016.abstract>

Okaty BW, Sugino K, Nelson SB:

Cell Type-Specific Transcriptomics in the Brain

J Neurosci. 2011 May 11;31(19):6939-43

<http://www.jneurosci.org/content/31/19/6939.citation>

Okino E, Morita S, Hoshikawa Y, Tsukahara S:

The glutamatergic system in the preoptic area is involved in the retention of maternal behavior in maternally experienced female rats

Psychoneuroendocrinology. 2020 Jul 6;120:104792. doi: 10.1016/j.psyneuen.2020.104792.

<http://www.sciencedirect.com/science/article/pii/S0306453020302134>

Olmstead DN, Mesnard-Hoaglin NA, Batka RJ, Haulcomb MM, Miller WM, Jones KJ:

Facial nerve axotomy in mice: a model to study motoneuron response to injury

J Vis Exp. 2015 Feb 23;(96). doi: 10.3791/52382

<http://www.jove.com/video/52382/facial-nerve-axotomy-mice-model-to-study-motoneuron-response-to>

Ortner NJ, Bock G, Dougalis A, Kharitonova M, Duda J, Hess S, Tuluc P, Pomberger T, Stefanova N, Pitterl F, Ciossek T, Oberacher H, Draheim HJ, Kloppenburg P, Liss B, Striessnig J :

Lower affinity of isradipine for L-type Ca²⁺ channels during substantia nigra dopamine neuron-like activity: implications for neuroprotection in Parkinson's disease

J Neurosci. 2017 Jun 7. pii: 2946-16. doi: 10.1523/JNEUROSCI.2946-16.2017.

<http://www.jneurosci.org/content/early/2017/06/07/JNEUROSCI.2946-16.2017>

Oshima, H., Oshima, M., Inaba, K., and Taketo, M.M.:

Hyperplastic gastric tumors induced by activated macrophages in COX-2/mPGES-1 transgenic mice

Embo J 23(7): 1669-1678 (2004)

<http://www.nature.com/emboj/journal/v23/n7/full/7600170a.html>

Ostrem BE, Lui JH, Gertz CC, Kriegstein AR:

Control of outer radial glial stem cell mitosis in the human brain

Cell Rep. 2014 Aug 7;8(3):656-64. doi: 10.1016/j.celrep.2014.06.058.

<http://www.sciencedirect.com/science/article/pii/S2211124714005609>

Paciello O, Oliva G, Gradoni L, Manna L, Manzillo VF, Wojcik S, Trapani F, Papparella S:

Canine inflammatory myopathy associated with Leishmania Infantum infection

Neuromuscul Disord. 2009 Feb;19(2):124-30

<http://www.nmd-journal.com/article/S0960-8966%2808%2900677-9/abstract>

Pagenstecher A, Stahl S, Sure U, Felbor U:

A two-hit mechanism causes cerebral cavernous malformations: complete inactivation of CCM1, CCM2 or CCM3 in affected endothelial cells

Hum Mol Genet 18(5):911-8 (2009)

<http://hmg.oxfordjournals.org/content/18/5/911.short>

Palladino SP, Helton ES, Jain P, Dong C, Crowley MR, Crossman DK, Ubogu EE:

The Human Blood-Nerve Barrier Transcriptome

Sci Rep. 2017 Dec 12;7(1):17477. doi: 10.1038/s41598-017-17475-y.
<https://www.nature.com/articles/s41598-017-17475-y.pdf>

Paniagua-Torija B, Arevalo-Martin A, Ferrer I, Molina-Holgado E, Garcia-Ovejero D:
CB1 cannabinoid receptor enrichment in the ependymal region of the adult human spinal cord
Sci Rep. 2015 Dec 4;5:17745. doi: 10.1038/srep17745.
<http://dx.doi.org/10.1038/srep17745>

Parillaud VR, Lornet G, Monnet Y, Privat AL, Haddad AT, Brochard V, Bekaert A, de Chanville CB, Hirsch EC, Combadière C, Hunot S, Lobsiger CS:
Analysis of monocyte infiltration in MPTP mice reveals that microglial CX3CR1 protects against neurotoxic over-induction of monocyte-attracting CCL2 by astrocytes
J Neuroinflammation. 2017 Mar 21;14(1):60. doi: 10.1186/s12974-017-0830-9.
<https://jneuroinflammation.biomedcentral.com/articles/10.1186/s12974-017-0830-9>

Paß T, Ricke KM, Hofmann P, Chowdhury RS, Nie Y, Chinnery P, Endepols H, Neumaier B, Carvalho A, Rigoux L, Steculorum SM, Prudent J, Riemer T, Aswendt M, Liss B, Brachvogel B, Wiesner RJ:
Preserved striatal innervation maintains motor function despite severe loss of nigral dopaminergic neurons
Brain. 2024 Apr 4;awae089. doi: 10.1093/brain/awae089.
<https://doi.org/10.1093/brain/awae089>

Patterson J, Kochmanski J, Stoll A, Kubik M, Kemp C, Duffy M, Thompson K, Howe J, Cole-Strauss A, Kuhn N, Miller K, Nelson S, Onyekpe C, Beck J, Counts S, Bernstein A, Steece-Collier K, Luk K, Sortwell C :
Transcriptomic Profiling of Early Synucleinopathy in Rats Induced with Preformed Fibrils
Research Square, 18 Aug 2023
<https://doi.org/10.21203/rs.3.rs-3253289/v1>

Pereira M, Birtele M, Shrigley S, Benitez JA, Hedlund E, Parmar M, Ottosson DR:
Direct Reprogramming of Resident NG2 Glia into Neurons with Properties of Fast-Spiking Parvalbumin-Containing Interneurons
Stem Cell Reports. 2017 Aug 22. pii: S2213-6711(17)30333-8. doi: 10.1016/j.stemcr.2017.07.023.
<http://www.sciencedirect.com/science/article/pii/S2213671117303338>

Perier C, Bender A, García-Arumí E, Melià MJ, Bové J, Laub C, Klopstock T, Elstner M, Mounsey RB, Teismann P, Prolla T, Andreu AL, Vila M:
Accumulation of mitochondrial DNA deletions within dopaminergic neurons triggers neuroprotective mechanisms
Brain. 2013 Aug;136(Pt 8):2369-78. doi: 10.1093/brain/awt196.
<http://brain.oxfordjournals.org/cgi/lookup?view=long&pmid=23884809>

Petrželková L:
Vývoj cirkadiálního systému potkana v podmínkách stálého světla
Development of the rat circadian system under constant light conditions
Diploma thesis (Czech language), 2021
<https://dspace.cuni.cz/bitstream/handle/20.500.11956/126237/120385436.pdf>

Pham VC, Rödel CJ, Valentino M, Malinverno M, Paolini A, Münch J, Pasquier C, Onyeogaziri FC, Lazovic B, Girard R, Koskimäki J, Hußmann M, Keith B, Jachimowicz D, Kohl F, Hagelkruys A, Penninger JM, Schulte-Merker S, Awad IA, Hicks R, Magnusson PU, Faurobert E, Pagani M, Abdellah-Seyfried S:
Epigenetic regulation by polycomb repressive complex 1 promotes cerebral cavernous malformations
EMBO Mol Med. 2024 Oct 14. doi: 10.1038/s44321-024-00152-9.
<https://doi.org/10.1038/s44321-024-00152-9>

Phillipps HR, Ladyman SR, and Grattan DR:

Maintained expression of genes associated with metabolism in the ventromedial hypothalamic nucleus despite development of leptin resistance during pregnancy in the rat

Physiological Reports ISSN 2051-817X

<http://onlinelibrary.wiley.com/doi/10.1002/phy2.162/pdf>

Pieczora L, Stracke L, Vorgerd M, Hahn S, Theiss C, Theis V:

Unveiling of miRNA Expression Patterns in Purkinje Cells During Development

Cerebellum. 2016 Jul 7.

<http://dx.doi.org/10.1007/s12311-016-0814-9>

Pietersen CY, Lim MP, Macey L, Woo TU, Sonntag KC:

Neuronal type-specific gene expression profiling and laser-capture microdissection

Methods Mol Biol. 2011;755:327-43

<http://www.springerlink.com/content/u2001817462422k1/#section=924892&page=2&locus=77>

Pignatelli M, Umanah GK, Ribeiro SP, Chen R, Karuppagounder SS, Yau HJ, Eacker S, Dawson VL, Dawson TM, Bonci A

Synaptic Plasticity onto Dopamine Neurons Shapes Fear Learning

Neuron. 2017 Jan 18;93(2):425-440. doi: 10.1016/j.neuron.2016.12.030

[https://linkinghub.elsevier.com/retrieve/pii/S0896-6273\(16\)31003-0](https://linkinghub.elsevier.com/retrieve/pii/S0896-6273(16)31003-0)

Ploski, J.E., Newton, S.S., and Duman, R.S.:

Electroconvulsive seizure-induced gene expression profile of the hippocampus dentate gyrus granule cell layer

J Neurochem 99(4): 1122-1132 (2006)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1471-4159.2006.04156.x/full>

Pluchino S, Muzio L, Imitola J, Deleidi M, Alfaro-Cervello C, Salani G, Porcheri C, Brambilla E, Cavasinni F, Bergamaschi A, Garcia-Verdugo JM, Comi G, Khoury SJ, Martino G

Persistent inflammation alters the function of the endogenous brain stem cell compartment

Brain. 2008 Oct;131(Pt 10):2564-78

<http://brain.oxfordjournals.org/cgi/doi/10.1093/brain/awh384>

Qin R, Ma J, He F, Qin W:

In-depth and high-throughput spatial proteomics for whole-tissue slice profiling by deep learning-facilitated sparse sampling strategy

Cell Discov 11, 21 (2025).

<https://doi.org/10.1038/s41421-024-00764-y>

Raasch J, Zeller N, van Loo G, Merkler D, Mildner A, Erny D, Knobloch KP, Bethea JR, Waisman A, Knust M, Del Turco D, Deller T, Blank T, Priller J, Brück W, Pasparakis M, Prinz M:

I κ B kinase 2 determines oligodendrocyte loss by non-cell-autonomous activation of NF- κ B in the central nervous system

Brain 134(Pt 4): 1184-98 (Epub 2011)

<http://brain.oxfordjournals.org/content/134/4/1184.long>

Ramirez, A., Heimbach, A., Grundemann, J., Stiller, B., Hampshire, D., Cid, L.P., Goebel, I., Mubaidin, A.F., Wriekat, A.L., Roeper, J., Al-Din, A., Hillmer, A.M., Karsak, M., Liss, B., Woods, C.G., Behrens, M.I., and Kubisch, C.:

Hereditary parkinsonism with dementia is caused by mutations in ATP13A2, encoding a lysosomal type 5 P-type ATPase

Nat Genet 38(10): 1184-1191 (2006)

<http://www.nature.com/ng/journal/v38/n10/full/ng1884.html>

Reeve AK, Krishnan KJ, Elson JL, Morris CM, Bender A, Lightowlers RN, Turnbull DM:

Nature of mitochondrial DNA deletions in substantia nigra neurons

Am J Hum Genet. 2008 Jan;82(1):228-35.

<http://www.cell.com/AJHG/retrieve/pii/S0002929707000249>

Reilly SC, Cossins AR, Quinn JP, Sneddon LU:

Discovering genes: the use of microarrays and laser capture microdissection in pain research

Brain Res Brain Res Rev. 2004 Oct;46(2):225-33

[http://linkinghub.elsevier.com/retrieve/pii/S0165-0173\(04\)00097-9](http://linkinghub.elsevier.com/retrieve/pii/S0165-0173(04)00097-9)

Rezania K, Saadat L:

Neurological Manifestations of Transthyretin-Related Amyloidosis

IntechOpen, 21 Feb 2019, DOI: 10.5772/intechopen.84470

<https://www.intechopen.com/online-first/neurological-manifestations-of-transthyretin-related-amyloidosis>

Ribierre T, Bacq A, Donneger F, Doladilhe M, Maletic M, Roussel D, Le Roux I, Chassoux F, Devaux B, Adle-Biassette H, Ferrand-Sorbets S, Dorfmueller G, Chipaux M, Baldassari S, Poncer JC, Baulac S:

Targeting pathological cells with senolytic drugs reduces seizures in neurodevelopmental mTOR-related epilepsy

Nat Neurosci. 2024 May 6. doi: 10.1038/s41593-024-01634-2.

<https://www.nature.com/articles/s41593-024-01634-2>

Ridder K, Keller S, Dams M, Rupp AK, Schlaudraff J, Turco DD, Starmann J, Macas J, Karpova D, Devraj K, Depboylu C, Landfried B, Arnold B, Plate KH, Höglinger G, Sülthmann H, Altevogt P, Momma S:

Extracellular Vesicle-Mediated Transfer of Genetic Information between the Hematopoietic System and the Brain in Response to Inflammation

PLoS Biol. 2014 Jun 3;12(6):e1001874. doi: 10.1371/journal.pbio.1001874. eCollection 2014.

<http://www.plosbiology.org/article/info%3Adoi%2F10.1371%2Fjournal.pbio.1001874#pbio-1001874-g008>

Ripolone M, Lucchini V, Ronchi D, Fagiolari G, Bordoni A, Fortunato F, Mondello S, Bonato S, Meregalli M, Torrente Y, Corti S, Comi GP, Moggio M, Sciacco M:

Purkinje cell COX deficiency and mtDNA depletion in an animal model of spinocerebellar ataxia type 1

J Neurosci Res. 2018 Sep;96(9):1576-1585. doi: 10.1002/jnr.24263.

<https://onlinelibrary.wiley.com/doi/epdf/10.1002/jnr.24263>

Rodriguez-Duboc A, Basille-Dugay M, Debonne A, Rivière M-A, Vaudry D, Burel D:

Apnea of prematurity induces short and long-term development-related transcriptional changes in the murine cerebellum

Current Research in Neurobiology 5 (2023) 100113, 9 Oct 2023

<https://doi.org/10.1016/j.crneur.2023.100113>

Rolyan H, Scheffold A, Heinrich A, Begus-Nahrman Y, Langkopf BH, Hölter SM, Vogt-Weisenhorn DM, Liss B, Wurst W, Lie DC, Thal DR, Biber K, Rudolph KL:

Telomere shortening reduces Alzheimer's disease amyloid pathology in mice

Brain. 2011 Jul;134(Pt 7):2044-56. doi: 10.1093/brain/awr133.

<https://doi.org/10.1093/brain/awr133>

Rong Z, Mai H, Ebert G, Kapoor S, Puelles VG, Czogalla J, Hu S, Su J, Prtvar D, Singh I, Schädler J, Delbridge C, Steinke H, Frenzel H, Schmidt K, Braun C, Bruch G, Ruf V, Ali M, Sühs KW, Nemati M, Hopfner F, Ulukaya S, Jeridi D, Mistretta D, Caliskan ÖS, Wettengel JM, Cherif F, Kolabas ZI, Molbay M, Horvath I, Zhao S, Krahmer N, Yildirim AÖ, Ussar S, Herms J, Huber TB, Tahirovic S, Schwarzmaier SM, Plesnila N, Höglinger G, Ondruschka B, Bechmann I, Protzer U, Elsner M, Bhatia HS, Hellal F, Ertürk A:

Persistence of spike protein at the skull-meninges-brain axis may contribute to the neurological sequelae of COVID-19

Cell Host Microbe. 2024 Nov 26:S1931-3128(24)00438-4. doi: 10.1016/j.chom.2024.11.007.
<https://doi.org/10.1016/j.chom.2024.11.007>

Root DH, Mejias-Aponte CA, Qi J, Morales M:
Role of glutamatergic projections from ventral tegmental area to lateral habenula in aversive conditioning

J Neurosci. 2014 Oct 15;34(42):13906-10. doi: 10.1523/JNEUROSCI.2029-14.2014.
<http://www.jneurosci.org/cgi/pmidlookup?view=long&pmid=25319687>

Roy A, Deng M, Aldinger KA, Glass IA, Millen KJ:
Laser Capture Micro-dissection (LCM) of Neonatal Mouse Forebrain for RNA Isolation
Bio-protocol, Vol 10, Iss 1, January 05, 2020; DOI: 10.21769/BioProtoc.3475
<https://bio-protocol.org/e3475>

Ruzicka WB, Subburaju S, Benes FM:
Variability of DNA Methylation within Schizophrenia Risk Loci across Subregions of Human Hippocampus

Genes (Basel). 2017 May 15;8(5). pii: E143. doi: 10.3390/genes8050143.
<http://www.mdpi.com/2073-4425/8/5/143/htm>

Ruzicka WB, Subburaju S, Coyle JT, Benes FM:
Location Matters: Distinct DNA Methylation Patterns in GABAergic Interneuronal Populations from Separate Microcircuits within the Human Hippocampus

Hum Mol Genet. 2017 Nov 2. doi: 10.1093/hmg/ddx395.
<https://academic.oup.com/hmg/advance-article-abstract/doi/10.1093/hmg/ddx395/4587491>

Ryan B, Logan BJ, Abraham WC, Williams JM:
MicroRNAs, miR-23a-3p and miR-151-3p, Are Regulated in Dentate Gyrus Neuropil following Induction of Long-Term Potentiation In Vivo

PLoS One. 2017 Jan 26;12(1):e0170407. doi: 10.1371/journal.pone.0170407.
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0170407>

Rygiel KA, Miller J, Grady JP, Rocha MC, Taylor RW, Turnbull DM:
Mitochondrial and inflammatory changes in sporadic Inclusion Body Myositis

Neuropathol Appl Neurobiol. 2014 Apr 18. doi: 10.1111/nan.12149.
<http://onlinelibrary.wiley.com/doi/10.1111/nan.12149/pdf>

Sada N, Fujita Y, Mizuta N, Ueno M, Furukawa T, Yamashita T:
Inhibition of HDAC increases BDNF expression and promotes neuronal rewiring and functional recovery after brain injury

Cell Death Dis. 2020 Aug 18;11(8):655. doi: 10.1038/s41419-020-02897-w.
<https://www.nature.com/articles/s41419-020-02897-w.pdf>

Sahay S, Devine EA, McCullumsmith RE, and O'Donovan SM:
Adenosine Receptor mRNA Expression in Frontal Cortical Neurons in Schizophrenia

Cells 2024, 13(1), 32; <https://doi.org/10.3390/cells13010032>
<https://doi.org/10.3390/cells13010032>

Sahay S, Lundh AE, Sirole RP, McCullumsmith RE, and O'Donovan SM:
Purinergic System Transcript Changes in the Dorsolateral Prefrontal Cortex in Suicide and Major Depressive Disorder

Int. J. Mol. Sci. 2025, 26(5), 1826
<https://doi.org/10.3390/ijms26051826>

Sakiyama Y, Kanda N, Higuchi Yoshimura M, Wakaguri H, Takata Y, Watanabe O, Yuan J, Tashiro Y, Saigo R, Nozuma S, Yoshimura A, Arishima S, Ikeda K, Shinohara K, Arata H, Michizono K, Higashi K,

Hashiguchi A, Okamoto Y, Hirano R, Shiraishi T, Matsuura E, Okubo R, Higuchi I, Goto M, Hirano H, Sano A, Iwasaki T, Matsuda F, Izumo S, Takashima H:
New type of encephalomyelitis responsive to trimethoprim/sulfamethoxazole treatment in Japan
Neurol Neuroimmunol Neuroinflamm. 2015 Aug 13;2(5):e143. doi: 10.1212/NXI.0000000000000143.
eCollection 2015.
<http://www.ncbi.nlm.nih.gov/pmc/articles/pmid/26309903/>

Saldivia N, Salazar K, Cifuentes M, Espinoza F, Harrison FE, Nualart F:
Ascorbic acid and its transporter SVCT2, affect radial glia cells differentiation in postnatal stages
Glia. 2024 Jan 5. doi: 10.1002/glia.24498.
<https://doi.org/10.1002/glia.24498>

Sandebring-Matton A, Axenhus M, Bogdanovic N, Winblad B, Schedin-Weiss S, Nilsson P, and Tjernberg LO:
Microdissected Pyramidal Cell Proteomics of Alzheimer Brain Reveals Alterations in Creatine Kinase B-Type, 14-3-3-γ, and Heat Shock Cognate 71
Front. Aging Neurosci., 19 November 2021 | <https://doi.org/10.3389/fnagi.2021.735334>
<https://www.frontiersin.org/articles/10.3389/fnagi.2021.735334/full>

Sanna, P.P., King, A.R., van der Stap, L.D., and Repunte-Canonigo, V.:
Gene profiling of laser-microdissected brain regions and sub-regions
Brain Res Brain Res Protoc 15(2): 66-74 (2005)
<http://dx.doi.org/10.1016/j.brainresprot.2005.04.002>

Sanna PP, Repunte-Canonigo V, Guidotti A:
Gene profiling of laser-microdissected brain regions and individual cells in drug abuse and schizophrenia research
Methods Mol Biol. 2012;829:541-50.
<http://www.springerlink.com/content/h71q48085067776q/#section=1016811&page=1&locus=14>

Santegoeds RG, Yakkoui Y, Jahanshahi A, Raven G, Van Overbeeke JJ, Herrler A, Temel Y:
Notochord isolation using laser capture microdissection
J Chem Neuroanat. 2016 Dec 24. pii: S0891-0618(16)30134-X
[https://linkinghub.elsevier.com/retrieve/pii/S0891-0618\(16\)30134-X](https://linkinghub.elsevier.com/retrieve/pii/S0891-0618(16)30134-X)

Satoh A, Brace CS, Ben-Josef G, West T, Wozniak DF, Holtzman DM, Herzog ED, Imai S:
SIRT1 promotes the central adaptive response to diet restriction through activation of the dorsomedial and lateral nuclei of the hypothalamus
J Neurosci. 2010 Jul 28;30(30):10220-32.
<http://www.jneurosci.org/content/30/30/10220.short>

Satoh A, Brace CS, Rensing N, Imai S:
Deficiency of Prdm13, a dorsomedial hypothalamus-enriched gene, mimics age-associated changes in sleep quality and adiposity
Aging Cell. 2014 Dec 25. doi: 10.1111/accel.12299.
<http://onlinelibrary.wiley.com/doi/10.1111/accel.12299/pdf>

Schäfer F, Tomar A, Sato S, Teperino R, Imhof A, Lahiri S:
Enhanced in situ spatial proteomics by effective combination of MALDI imaging and LC-MS/MS
Mol Cell Proteomics. 2024 Jul 10:100811. doi: 10.1016/j.mcpro.2024.100811.
<https://doi.org/10.1016/j.mcpro.2024.100811>

Schafer, R., Dehn, D., Burbach, G.J., and Deller, T.:
Differential regulation of chondroitin sulfate proteoglycan mRNAs in the denervated rat fascia dentata after unilateral entorhinal cortex lesion

Neurosci Lett 439(1): 61-65 (2008)
<http://dx.doi.org/10.1016/j.neulet.2008.04.098>

Schiemann J, Schlaudraff F, Klose V, Bingmer M, Seino S, Magill PJ, Zaghloul KA, Schneider G, Liss B, Roeper J:

K-ATP channels in dopamine substantia nigra neurons control bursting and novelty-induced exploration

Nat Neurosci. 2012 Aug 19. doi: 10.1038/nn.3185
http://www.uni-ulm.de/fileadmin/website_uni_ulm/med.inst.010/bliss-pdf/Schiemann_NatNeurosci_2012.pdf

Schlaudraff F:

Quantitative Genexpressionsanalysen humaner dopaminerges Neurone nach Lasermikrodissektion aus post-mortem Mittelhirngewebe von Morbus Parkinson Patienten und Kontrollen

Dissertation, 2010 (German language)
http://vts.uni-ulm.de/query/longview.meta.asp?document_id=7359

Schlaudraff F, Gründemann J, Fauler M, Dragicovic E, Hardy J, and Liss B:

Orchestrated increase of dopamine and PARK mRNAs but not miR-133b in dopamine neurons in Parkinson's disease

Neurobiology of Aging, 22 March 2014, <http://dx.doi.org/10.1016/j.neurobiolaging.2014.03.016>
<http://www.sciencedirect.com/science/article/pii/S019745801400270X>

Schlaudraff J, Paul MH, Deller T, Del Turco D:

Precise measurement of gene expression changes in mouse brain areas denervated by injury

Sci Rep. 2022 Dec 29;12(1):22530. doi: 10.1038/s41598-022-26228-5.
<https://www.nature.com/articles/s41598-022-26228-5>

Schneider, A., Kruger, C., Steigleder, T., Weber, D., Pitzer, C., Laage, R., Aronowski, J., Maurer, M.H., Gassler, N., Mier, W., Hasselblatt, M., Kollmar, R., Schwab, S., Sommer, C., Bach, A., Kuhn, H.G., and Schabitz, W.R.:

The hematopoietic factor G-CSF is a neuronal ligand that counteracts programmed cell death and drives neurogenesis

J Clin Invest 115(8): 2083-2098 (2005)
<http://www.jci.org/articles/view/23559>

Schneider A, Rogalewski A, Wafzig O, Kirsch F, Gretz N, Krüger C, Diederich K, Pitzer C, Laage R, Plaas C, Vogt G, Minnerup J, Schäbitz WR:

Forced arm use is superior to voluntary training for motor recovery and brain plasticity after cortical ischemia in rats

Exp Transl Stroke Med. 2014 Feb 14;6(1):3.
<http://www.etsmjournal.com/content/pdf/2040-7378-6-3.pdf>

Schnorbusch K, Lembrechts R, Pintelon I, Timmermans JP, Brouns I, Adriaensen D:

GABAergic signaling in the pulmonary neuroepithelial body microenvironment: functional imaging in GAD67-GFP mice

Histochem Cell Biol. 2013 Apr 9.
<http://dx.doi.org/10.1007/s00418-013-1093-x>

Schrader JM, Xu F, Lee H, Barlock B, Benveniste H, Van Nostrand WE:

Emergent White Matter Degeneration in the rTg-DI Rat Model of Cerebral Amyloid Angiopathy Exhibits Unique Proteomic Changes

Am J Pathol. 2021 Dec 8:S0002-9440(21)00526-5. doi: 10.1016/j.ajpath.2021.11.010.
<https://www.sciencedirect.com/science/article/abs/pii/S0002944021005265?v=s5>

Schrader JM, Xu F, Zhu X, Majchrzak M, Davis J, Van Nostrand WE:
Parenchymal and Dyschoric Fibrillar Amyloid Pathology in the rTg-D Rat Model of Cerebral Amyloid Angiopathy Type-2

Am J Pathol. 2025 Jul 17:S0002-9440(25)00241-X. doi: 10.1016/j.ajpath.2025.06.008.

<https://doi.org/10.1016/j.ajpath.2025.06.008>

Schrötter A, Oberhaus A, Kolbe K, Seger S, Mastalski T, El Magraoui F, Hoffmann-Posorske E, Bohnert M, Deckert J, Braun C, Graw M, Schmitz C, Arzberger T, Loosse C, Heinsen H, Meyer HE, Müller T
LMD proteomics provides evidence for hippocampus field-specific motor protein abundance changes with relevance to Alzheimer's disease

Biochim Biophys Acta. 2017 Apr 1. pii: S1570-9639(17)30066-3. doi: 10.1016/j.bbapap.2017.03.013.

[https://linkinghub.elsevier.com/retrieve/pii/S1570-9639\(17\)30066-3](https://linkinghub.elsevier.com/retrieve/pii/S1570-9639(17)30066-3)

Schropp V, Rohde J, Rovituso DM, Jabari S, Bharti R, Kuerten S:
Contribution of LT α and TH17 cells to B cell aggregate formation in the central nervous system in a mouse model of multiple sclerosis

J Neuroinflammation. 2019 May 28;16(1):111. doi: 10.1186/s12974-019-1500-x.

<https://jneuroinflammation.biomedcentral.com/track/pdf/10.1186/s12974-019-1500-x>

Schwarzacher, S.W., Vuksic, M., Haas, C.A., Burbach, G.J., Sloviter, R.S., and Deller, T.:
Neuronal hyperactivity induces astrocytic expression of neurocan in the adult rat hippocampus
Glia 53(7): 704-714 (2006)

<http://onlinelibrary.wiley.com/doi/10.1002/glia.20329/full>

See K, Yadav P, Giegerich M, Cheong PS, Graf M, Vyas H, Lee SG, Mathavan S, Fischer U, Sendtner M, Winkler C:

SMN-deficiency alters Nrnx2 expression and splicing in zebrafish and mouse models of Spinal Muscular Atrophy

Hum Mol Genet. 2013 Nov 11.

<http://hmg.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=24218366>

Senko D, Zavolskova M, Efimova O, Osetrova M, Stekolshchikova E, Vladimirov G, Nikolaev E, Khaitovich P:

Spatially Resolved Lipid Composition of the Human Brain Cortical Layers

Neurosci Bull. 2025 Aug 29. doi: 10.1007/s12264-025-01486-1.

<https://doi.org/10.1007/s12264-025-01486-1>

Shahmoradian SH, Lewis AJ, Genoud C, Hench J, Moors TE, Navarro PP, Castaño-Díez D, Schweighauser G, Graff-Meyer A, Goldie KN, Sütterlin R, Huisman E, Ingrassia A, Gier Y, Rozemuller AJM, Wang J, Paepe A, Erny J, Staempfli A, Hoernschemeyer J, Großerüschkamp F, Niedieker D, El-Mashtoly SF, Quadri M, Van IJcken WFJ, Bonifati V, Gerwert K, Bohrmann B, Frank S, Britschgi M, Stahlberg H, Van de Berg WDJ, Lauer ME:

Lewy pathology in Parkinson's disease consists of crowded organelles and lipid membranes

Nat Neurosci. 2019 Jul;22(7):1099-1109. doi: 10.1038/s41593-019-0423-2.

<http://dx.doi.org/10.1038/s41593-019-0423-2>

Shen LH, Li Y, Chopp M:

Astrocytic endogenous glial cell derived neurotrophic factor production is enhanced by bone marrow stromal cell transplantation in the ischemic boundary zone after stroke in adult rats

Glia. 2010 Jul;58(9):1074-81. doi: 10.1002/glia.20988.

<http://dx.doi.org/10.1002/glia.20988>

Shen LH, Li Y, Gao Q, Savant-Bhonsale S, Chopp M:

Down-regulation of neurocan expression in reactive astrocytes promotes axonal regeneration and facilitates the neurorestorative effects of bone marrow stromal cells in the ischemic rat brain

Glia. 2008 Dec;56(16):1747-54. doi: 10.1002/glia.20722.

<http://onlinelibrary.wiley.com/doi/10.1002/glia.20722/abstract>

Shen Y, Tian M, Zheng Y, Gong F, Fu AK, Ip NY:

Stimulation of the Hippocampal POMC/MC4R Circuit Alleviates Synaptic Plasticity Impairment in an Alzheimer's Disease Model

Cell Rep. 2016 Nov 8;17(7):1819-1831. doi: 10.1016/j.celrep.2016.10.043.

[http://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(16\)31463-2](http://linkinghub.elsevier.com/retrieve/pii/S2211-1247(16)31463-2)

Shiga A, Ishihara T, Miyashita A, Kuwabara M, Kato T, Watanabe N, Yamahira A, Kondo C, Yokoseki A, Takahashi M, Kuwano R, Kakita A, Nishizawa M, Takahashi H, Onodera O:

Alteration of POLDIP3 Splicing Associated with Loss of Function of TDP-43 in Tissues Affected with ALS

PLoS ONE 7(8): e43120. doi:10.1371/journal.pone.0043120

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0043120>

Shimizu N, Wada N, Shimizu T, Suzuki T, Takaoka EI, Kanai AJ, de Groat WC, Hirayama A, Hashimoto M, Uemura H, Yoshimura N :

Effects of nerve growth factor neutralization on TRP channel expression in laser-captured bladder afferent neurons in mice with spinal cord injury

Neurosci Lett. 2018 Jun 27. pii: S0304-3940(18)30452-X. doi: 10.1016/j.neulet.2018.06.049.

[https://linkinghub.elsevier.com/retrieve/pii/S0304-3940\(18\)30452-X](https://linkinghub.elsevier.com/retrieve/pii/S0304-3940(18)30452-X)

Siller A, Hofer NT, Tomagra G, Wiederspohn N, Hess S, Benkert J, Gaifullina A, Spaich D, Duda J, Pötschke C, Vilusic K, Fritz EM, Schneider T, Kloppenburg P, Liss B, Carabelli V, Carbone E, Ortner NJ, and Strieessnig J :

Alternative splicing of auxiliary $\beta 2$ -subunits stabilizes Cav2.3 Ca^{2+} channel activity in continuously active midbrain dopamine neurons

bioRxiv, 10 Feb 2021, doi: <https://doi.org/10.1101/2021.02.10.430224>

<https://www.biorxiv.org/content/10.1101/2021.02.10.430224v1>

Silva JP, Lambert G, van Booven D, Wahlestedt C:

Epigenomic and metabolic responses of hypothalamic POMC neurons to gestational nicotine exposure in adult offspring

Genome Med. 2016 Sep 8;8(1):93. doi: 10.1186/s13073-016-0348-2.

<http://genomemedicine.biomedcentral.com/articles/10.1186/s13073-016-0348-2>

Simmons D.H., Busch S.E., Titley H.K., Grasselli G., Shih J., Du X., Wei C., Gomez C.M., Piochon C. & Hansel C.:

Sensory over-responsivity and aberrant plasticity in cerebellar cortex in a mouse model of syndromic autism

Biological Psychiatry Global Open Science (2021), doi:<https://doi.org/10.1016/j.bpsgos.2021.09.004>.

<https://www.sciencedirect.com/science/article/pii/S2667174321001129>

Simunovic, F., Yi, M., Wang, Y., Macey, L., Brown, L.T., Krichevsky, A.M., Andersen, S.L., Stephens, R.M., Benes, F.M., Sonntag, K.C.

Gene expression profiling of substantia nigra dopamine neurons: further insights into Parkinson's disease pathology

Brain 132 (7): 1795-1809 (2008)

<http://brain.oxfordjournals.org/content/132/7/1795.long>

Sonntag KC, Woo TW:

Laser microdissection and gene expression profiling in the human postmortem brain

Handb Clin Neurol. 2018;150:263-272. doi: 10.1016/B978-0-444-63639-3.00018-9.
<https://www.sciencedirect.com/science/article/pii/B9780444636393000189>

Solga AC, Pong WW, Walker J, Wylie T, Magrini V, Apicelli AJ, Griffith M, Griffith OL, Kohsaka S, Wu GF, Brody DL, Mardis ER, Gutmann DH:

RNA-Sequencing Reveals Oligodendrocyte and Neuronal Transcripts in Microglia Relevant to Central Nervous System Disease

Glia. 2014 Sep 24. doi: 10.1002/glia.22754.
<http://dx.doi.org/10.1002/glia.22754>

Solich J, Kolasa M, Kusmider M, Pabian P, Faron-Gorecka A, Zurawek D, Szafran-Pilch K, Kedracka-Krok S, Jankowska U, Swiderska B, Dziedzicka-Wasylewska M:

Life-long norepinephrine transporter (NET) knock-out leads to the increase in the NET mRNA in brain regions rich in norepinephrine terminals

Eur Neuropsychopharmacol. 2015 May 8. pii: S0924-977X(15)00124-8. doi: 10.1016/j.euroneuro.2015.04.019.
[http://linkinghub.elsevier.com/retrieve/pii/S0924-977X\(15\)00124-8](http://linkinghub.elsevier.com/retrieve/pii/S0924-977X(15)00124-8)

Stanisavljevic A, Schrader JM, Zhu X, Mattar JM, Hanks A, Xu F, Majchrzak M, Robinson JK and Van Nostrand WE:

Impact of Non-pharmacological Chronic Hypertension on a Transgenic Rat Model of Cerebral Amyloid Angiopathy

Front. Neurosci., 15 March 2022 | <https://doi.org/10.3389/fnins.2022.811371>
<https://doi.org/10.3389/fnins.2022.811371>

Steinecke A, Kurabayashi N, Hayano Y, Ishino Y, Taniguchi H:

In Vivo Single-Cell Genotyping of Mouse Cortical Neurons Transfected with CRISPR/Cas9

Cell Rep. 2019 Jul 9;28(2):325-331.e4. doi: 10.1016/j.celrep.2019.06.038.
[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(19\)30804-6](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(19)30804-6)

Stephan C, Reidegeld KA, Hamacher M, van Hall A, Marcus K, Taylor C, Jones P, Müller M, Apweiler R, Martens L, Körting G, Chamrad DC, Thiele H, Blüggel M, Parkinson D, Binz PA, Lyall A, Meyer HE:

New mass spectrometric tools in brain research

Proteomics. 2006 Sep;6(18):5015-29.
<http://dx.doi.org/10.1016/j.trac.2010.06.009>

Subramanian N, Wetzel A, Dombert B, Yadav P, Havlicek S, Jablonka S, Nassar MA, Blum R, Sendtner M:

Role of Nav1.9 in activity-dependent axon growth in motoneurons

Hum Mol Genet. 2012 Jun 8. [Epub ahead of print]
<http://hmg.oxfordjournals.org/content/early/2012/05/28/hmg.dds195.abstract>

Sung CYW, Li M, Jonjic S, Sanchez V, Britt WJ:

Cytomegalovirus infection lengthens the cell cycle of granule cell precursors during postnatal cerebellar development

JCI Insight. 2024 Jun 10;9(11):e175525. doi: 10.1172/jci.insight.175525.
<https://doi.org/10.1172/jci.insight.175525>

Swieck K, Conta-Steencken A, Middleton FA, Siebert JR, Osterhout DJ, Stelzner DJ:

Effect of lesion proximity on the regenerative response of long descending propriospinal neurons after spinal transection injury

BMC Neurosci. 2019 Mar 18;20(1):10. doi: 10.1186/s12868-019-0491-y.
<https://bmcneurosci.biomedcentral.com/articles/10.1186/s12868-019-0491-y>

Takemura S, Isonishi A, Horii-Hayashi N, Tanaka T, Tatsumi K, Komori T, Yamamuro K, Yamano M, Nishi M, Makinodan M, Wanaka A:

Juvenile social isolation affects the structure of the tanycyte-vascular interface in the hypophyseal portal system of the adult mice

Neurochem Int. 2022 Nov 7:105439. doi: 10.1016/j.neuint.2022.105439.

<https://doi.org/10.1016/j.neuint.2022.105439>

Takenouchi Y, Hosomichi J, Angkanawaraphan K, Maeda H, Hong H, Changsiripun C, Ono T:

Sex- and subregion-specific vulnerability of the hippocampus and amygdala to intermittent hypoxia in relation to learning/memory function and anxiety tendencies of infant rats

Sleep Breath. 2025 Jun 9;29(3):209. doi: 10.1007/s11325-025-03382-4.

<https://doi.org/10.1007/s11325-025-03382-4>

Takeuchi A, Takahashi Y, Iida K, Hosokawa M, Irie K, Ito M, Brown JB, Ohno K, Nakashima K, Hagiwara M:

Identification of Qk as a Glial Precursor Cell Marker that Governs the Fate Specification of Neural Stem Cells to a Glial Cell Lineage

Stem Cell Reports. 2020 Sep 7:S2213-6711(20)30341-6. doi: 10.1016/j.stemcr.2020.08.010.

<https://www.sciencedirect.com/science/article/pii/S2213671120303416>

Tamaru T, Kobayakawa K, Saiwai H, Konno D, Kijima K, Yoshizaki S, Hata K, Iura H, Ono G, Haruta Y, Kitade K, Iida KI, Kawaguchi KI, Matsumoto Y, Kubota K, Maeda T, Okada S, Nakashima Y:

Glial scar survives until the chronic phase by recruiting scar-forming astrocytes after spinal cord injury

Exp Neurol. 2022 Nov 3:114264. doi: 10.1016/j.expneurol.2022.114264.

<https://doi.org/10.1016/j.expneurol.2022.114264>

Tan T, Jiang L, He Z, Ding X, Xiong X, Tang M, Chen Y, Tang Y:

NR1 Splicing Variant NR1a in Cerebellar Granule Neurons Constitutes a Better Motor Learning in the Mouse

Cerebellum. 2023 Oct 25. doi: 10.1007/s12311-023-01614-5.

<https://doi.org/10.1007/s12311-023-01614-5>

Tan Y, Delvaux E, Nolz J, Coleman PD, Chen S, Mastroeni D:

Upregulation of HDAC2 in Laser Capture Nigral Microglia in Parkinson's Disease

Neurobiology of Aging, 2018, ISSN 0197-4580, <https://doi.org/10.1016/j.neurobiolaging.2018.02.018>.

<https://www.sciencedirect.com/science/article/pii/S0197458018300629>

Taruno A, Vingtdoux V, Ohmoto M, Ma Z, Dvoryanchikov G, Li A, Adrien L, Zhao H, Leung S, Abernethy M, Koppel J, Davies P, Civan MM, Chaudhari N, Matsumoto I, Hellekant G, Tordoff MG, Marambaud P, Foscett JK:

CALHM1 ion channel mediates purinergic neurotransmission of sweet, bitter and umami tastes

Nature. 2013 Mar 14;495(7440):223-6. doi: 10.1038/nature11906. Epub 2013 Mar 6.

<http://www.nature.com/nature/journal/v495/n7440/full/nature11906.html>

Tateno, M., Sadakata, H., Tanaka, M., Itohara, S., Shin, R.M., Miura, M., Masuda, M., Aosaki, T., Urushitani, M., Misawa, H., and Takahashi, R.:

Calcium-permeable AMPA receptors promote misfolding of mutant SOD1 protein and development of amyotrophic lateral sclerosis in a transgenic mouse model

Hum Mol Genet 13(19): 2183-2196 (2004)

<http://hmg.oxfordjournals.org/content/13/19/2183.long>

Tatsumi K, Kinugawa K, Isonishi A, Kitabatake M, Okuda H, Takemura S, Tanaka T, Mori E, Wanaka A:

Olig2-astrocytes express neutral amino acid transporter SLC7A10 (Asc-1) in the adult brain

Mol Brain. 2021 Nov 8;14(1):163. doi: 10.1186/s13041-021-00874-8.

<https://molecularbrain.biomedcentral.com/articles/10.1186/s13041-021-00874-8>

Telezhkin V, Straccia M, Yarova P, Pardo M, Yung S, Vinh NN, Hancock JM, Barriga GG, Brown DA, Rosser AE, Brown JT, Canals JM, Randall AD, Allen ND, Kemp PJ:

Kv7 channels are upregulated during striatal neuron development and promote maturation of human iPSC-derived neurons

Pflugers Arch. 2018 May 24. doi: 10.1007/s00424-018-2155-7.

<https://dx.doi.org/10.1007/s00424-018-2155-7>

Terrier B, Colombat M, Beugnet C, Quéant A, London J, Daudin JB, Le Jeune C, Mouthon L, Monnet D, Cauquil C, Lacroix C, Adams D, Brézin A, Valleix S:

Vitreous amyloidosis with autonomic neuropathy of the digestive tract associated with a novel transthyretin p.Gly87Arg variant in a Bangladeshi patient: a case report

J Med Case Rep. 2017 Aug 13;11(1):222. doi: 10.1186/s13256-017-1407-z.

<https://jmedicalcasereports.biomedcentral.com/articles/10.1186/s13256-017-1407-z>

Thompson CL, Wisor JP, Lee CK, Pathak SD, Gerashchenko D, Smith KA, Fischer SR, Kuan CL, Sunkin SM, Ng LL, Lau C, Hawrylycz M, Jones AR, Kilduff TS, Lein ES :

Molecular and anatomical signatures of sleep deprivation in the mouse brain

Front Neurosci. 2010 Oct 21;4:165. doi: 10.3389/fnins.2010.00165.

<http://www.frontiersin.org/Neurogenomics/10.3389/fnins.2010.00165/abstract>

Tinkum KL, White LS, Marpegan L, Herzog E, Piwnica-Worms D, Piwnica-Worms H:

Forkhead Box O1 (FOXO1), but not p53, Contributes to Robust Induction of p21 Expression in Fasted Mice

J Biol Chem. 2013 Aug 5.

<http://www.jbc.org/cgi/pmidlookup?view=long&pmid=23918930>

Tiwari NK, Sathyanesan M, Schweinle W, Newton SS:

Carbamoylated erythropoietin induces a neurotrophic gene profile in neuronal cells

Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, ISSN 0278-5846

<https://www.sciencedirect.com/science/article/pii/S0278584618301222>

Tjaden J:

Der Einfluss von VEGF auf die synaptische Plastizität von Purkinjezellen

Thesis (German language), 2021

https://web.archive.org/web/20220426161457id_/https://hss-opus.ub.ruhr-uni-bochum.de/opus4/frontdoor/deliver/index/docId/8524/file/diss.pdf

Tjaden J, Eickhoff A, Stahlke S, Gehmeyr J, Vorgerd M, Theis V , Matschke V and Theiss C:

Expression Pattern of T-Type Ca²⁺ Channels in Cerebellar Purkinje Cells after VEGF Treatment

Cells 2021, 10(9), 2277; <https://doi.org/10.3390/cells10092277>

<https://www.mdpi.com/2073-4409/10/9/2277/htm>

Tokizane K, Brace CS, Imai SI:

DMH^{Ppp1r17} neurons regulate aging and lifespan in mice through hypothalamic-adipose inter-tissue communication

Cell Metab. 2024 Jan 1;S1550-4131(23)00462-X. doi: 10.1016/j.cmet.2023.12.011.

<https://doi.org/10.1016/j.cmet.2023.12.011>

Ulbrich P, Morton L, Briese M, Lämmlein N, Mattern H, Hasanuzzaman Md, Westhues M, Khoshneviszadeh M, Appenzeller S, Gündel D, Toussaint M, Brust P, Kniess T, Oelschlegel A, Goldschmidt J, Meuth S, Heinze HJ, Debska-Vielhaber G, Vielhaber S, Becker A, Dityatev A, Jandke S, Sendtner M, Dunay I, Schreiber S:

Vascular and neural transcriptomics reveal stage-dependent pathways to inflammation and cognitive dysfunction in a rat model of hypertension

bioRxiv, 21 Jan 2023 doi: <https://doi.org/10.1101/2023.01.20.524921>
<https://doi.org/10.1101/2023.01.20.524921>

Valdebenito S, Malik S, Luu R, Loudig O, Mitchell M, Okafo G, Bhat K, Prideaux B, Eugenin EA:
Tunneling nanotubes, TNT, communicate glioblastoma with surrounding non-tumor astrocytes to adapt them to hypoxic and metabolic tumor conditions

Sci Rep. 2021 Jul 15;11(1):14556. doi: 10.1038/s41598-021-93775-8.
<https://www.nature.com/articles/s41598-021-93775-8>

Valdés P, Mercado G, Vidal RL, Molina C, Parsons G, Court FA, Martinez A, Galleguillos D, Armentano D, Schneider BL, Hetz C:

Control of dopaminergic neuron survival by the unfolded protein response transcription factor XBP1

Proc Natl Acad Sci U S A. 2014 Apr 21.
<http://www.pnas.org/cgi/lookup?view=long&pmid=24753614>

van Delft P:

Mechanotransduction in migrating cortical interneurons during neurogenesis

thesis, 2025

<http://hdl.handle.net/2268.2/23270>

van Wageningen TA, Gerrits E, Brouwer N, Brevé JJP, Geurts JJG, Eggen BJL, Boddeke HWGME, van Dam AM:

Distinct gene expression in demyelinated white and grey matter areas of patients with multiple sclerosis

Brain Commun. 2022 Jan 17;4(2):fcac005. doi: 10.1093/braincomms/fcac005. eCollection 2022.
<https://pure.rug.nl/ws/portalfiles/portal/216904699/fcac005.pdf>

Vasilache, AM:

Talking to the Brain at the Blood-Brain Barrier through Inflammation-Induced Prostaglandin E₂

Doctoral thesis (English)

<http://diva-portal.org/smash/record.jsf?pid=diva2%3A789634&dswid=-5453>

Venugopal S, Ghulam-Jhelani Z, Ahn IS, Yang X, Wiedau M, Simmons D, Chandler SH:

Early deficits in GABA inhibition parallels an increase in L-type Ca²⁺ currents in the jaw motor neurons of SOD1G93A mouse model for ALS

Neurobiol Dis. 2023 Jan 6;105992. doi: 10.1016/j.nbd.2023.105992.
<https://doi.org/10.1016/j.nbd.2023.105992>

Vermeulen I, Rodriguez-Alvarez N, François L, Viot D, Poosti F, Aronica E, Dedeurwaerdere S, Barton P, Cillero-Pastor B, Heeren RMA:

Spatial omics reveals molecular changes in focal cortical dysplasia type II

Neurobiol Dis. 2024 Apr 2;106491. doi: 10.1016/j.nbd.2024.106491.
<https://doi.org/10.1016/j.nbd.2024.106491>

Villarreal JC, Kow K, Pham B, Egatz-Gomez A, Sandrin TR, Coleman PD, Ros A:

Intracellular Amyloid- β Detection from Human Brain Sections Using a Microfluidic Immunoassay in Tandem with MALDI-MS

Anal Chem. 2023 Mar 9. doi: 10.1021/acs.analchem.2c03825.
<https://doi.org/10.1021/acs.analchem.2c03825>

Vlachos A, Ikenberg B, Lenz M, Becker D, Reifenberg K, Bas-Orth C, Deller T:

Synaptopodin regulates denervation-induced homeostatic synaptic plasticity

Proc Natl Acad Sci U S A. 2013 Apr 29.

<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=23630268>

Vodička M, Ergang P, Mikulecká A, Řeháková L, Klusoňová P, Makal J, Soták M, Musílková J, Zach P, Pácha J:

Regulation of 11 β -Hydroxysteroid Dehydrogenase Type 1 and 7 α -Hydroxylase CYP7B1 during Social Stress

PLoS ONE 9(2): e89421. doi: 10.1371/journal.pone.0089421

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0089421#pone-0089421-g008>

Wainwright DA, Mesnard NA, Xin J, Sanders VM, Jones KJ:

Effects of facial nerve axotomy on Th2-associated and Th1-associated chemokine mRNA expression in the facial motor nucleus of wild-type and presymptomatic SOD1 mice

J Neurodegener Regen 2(1):39-44 (2009)

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2861580/>

Wainwright DA, Xin J, Mesnard NA, Beahrs TR, Politis CM, Sanders VM, Jones KJ:

Exacerbation of facial motoneuron loss after facial nerve axotomy in CCR3-deficient mice

ASN Neuro 1(5):e00024 (2009)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2826103/>

Wainwright DA, Xin J, Mesnard NA, Sanders VM, Jones KJ:

Toll-like receptor 2 and facial motoneuron survival after facial nerve axotomy

Neurosci Lett. 2010 Feb 26;471(1):10-4

<http://dx.doi.org/10.1016/j.neulet.2009.12.076>

Wang L, Sharma K, Grisotti G, Roos RP:

The effect of mutant SOD1 dismutase activity on non-cell autonomous degeneration in familial amyotrophic lateral sclerosis

Neurobiol Dis 35(2):234-40 (2009)

<http://dx.doi.org/10.1016/j.nbd.2009.05.002>

Wang P, Li H, Barde S, Zhang MD, Sun J, Wang T, Zhang P, Luo H, Wang Y, Yang Y, Wang C, Svenningsson P, Theodorsson E, Hökfelt TG, Xu ZQ:

Depression-like behavior in rat: Involvement of galanin receptor subtype 1 in the ventral periaqueductal gray

Proc Natl Acad Sci U S A. 2016 Aug 9;113(32):E4726-35. doi: 10.1073/pnas.1609198113.

<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=27457954>

Wang Y, Guo R, Chen B, Rahman T, Cai L, Yizhi L, Dong Y, Tseng GC, Fang J, Seney ML, Huang YH:
Cocaine-induced neural adaptations in the lateral hypothalamic melanin-concentrating hormone neurons and the role in regulating rapid eye movement sleep after withdrawal

Mol Psychiatry. 2020 Oct 22. doi: 10.1038/s41380-020-00921-1.

<https://www.nature.com/articles/s41380-020-00921-1>

Watanabe K, Takayama S, Yamada T, Hashimoto M, Tadano J, Nakagawa T, Watanabe T, Fukusaki E, Miyawaki I, Shimma S:

Novel mimetic tissue standards for precise quantitative mass spectrometry imaging of drug and neurotransmitter concentrations in rat brain tissues

Anal Bioanal Chem. 2024 Aug 10. doi: 10.1007/s00216-024-05477-5.

<https://doi.org/10.1007/s00216-024-05477-5>

Wei Y, Gong J, Xu Z, Thimmulappa RK, Mitchell KL, Welsbie DS, Biswal S, Duh EJ:

Nrf2 in ischemic neurons promotes retinal vascular regeneration through regulation of semaphorin 6A

Proc Natl Acad Sci U S A. 2015 Nov 30. pii: 201512683.
<http://www.pnas.org/cgi/lookup?view=long&pmid=26621751>

Wienecke J, Westerdahl AC, Hultborn H, Kiehn O, Ryge J:
Global gene expression analysis of rodent motor neurons following spinal cord injury associates molecular mechanisms with development of postinjury spasticity
J Neurophysiol 103(2): 761-78 (2009)
<http://jn.physiology.org/content/103/2/761.short>

Willem M, Tahirovic S, Busche MA, Ovsepian SV, Chafai M6, Kootar S, Hornburg D, Evans LD, Moore S, Daria A, Hampel H, Müller V, Giudici C, Nuscher B, Wenninger-Weinzierl A, Kremmer E, Heneka MT, Thal DR, Giedraitis V, Lannfelt L, Müller U, Livesey FJ, Meissner F, Herms J, Konnerth A, Marie H, Haass C:
 η -Secretase processing of APP inhibits neuronal activity in the hippocampus
Nature. 2015 Oct 15;526(7573):443-7. doi: 10.1038/nature14864.
<http://dx.doi.org/10.1038/nature14864>

Willems LM, Zahn N, Ferreirós N, Scholich K, Maggio N, Deller T, Vlachos A:
Sphingosine-1-phosphate receptor inhibition prevents denervation-induced dendritic atrophy
Acta Neuropathol Commun. 2016 Mar 31;4(1):28. doi: 10.1186/s40478-016-0303-x.
<http://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-016-0303-x>

Willsey AJ, Sanders SJ, Li M, Dong S, Tebbenkamp AT, Muhle RA, Reilly SK, Lin L, Fertuzinhos S, Miller JA, Murtha MT, Bichsel C, Niu W, Cotney J, Ercan-Sencicek AG, Gockley J, Gupta AR, Han W, He X, Hoffman EJ, Klei L, Lei J, Liu W, Liu L, Lu C, Xu X, Zhu Y, Mane SM, Lein ES, Wei L, Noonan JP, Roeder K, Devlin B, Sestan N, State MW:
Coexpression networks implicate human midfetal deep cortical projection neurons in the pathogenesis of autism
Cell. 2013 Nov 21;155(5):997-1007. doi: 10.1016/j.cell.2013.10.020.
http://medicine.yale.edu/lab/sestan/resources/635_173748_willseyC13complete.pdf

Winick-Ng W, Kukalev A, Harabula I, Redondo LZ, Szabo D, Meijer M, Serebreni L, Zhang Y, Bianco S, Chiariello AM, Irastorza-Azcarate I, Thieme CJ, Sparks TM, Carvalho S, Fiorillo L, Musella F, Irani E, Triglia ET, Kolodziejczyk AA, Abentung A, Apostolova A, Paul EJ, Franke V, Kempfer R, Akalin A, Teichmann SA, Dechant G, Ungless MA, Nicodemi M, Welch L, Castelo-Branco G, Pombo A:
Cell-type specialization in the brain is encoded by specific long-range chromatin topologies
bioRxiv, 2021; doi: <https://doi.org/10.1101/2020.04.02.020990>
<https://www.biorxiv.org/content/10.1101/2020.04.02.020990v3>

Winter L, Wittig I, Peeva V, Eggers B, Heidler J, Chevessier F, Kley RA, Barkovits K, Strecker V, Berwanger C, Herrmann H, Marcus K, Kornblum C, Kunz WS, Schröder R, Clemen CS:
Mutant desmin substantially perturbs mitochondrial morphology, function and maintenance in skeletal muscle tissue
Acta Neuropathol. 2016 Jul 8.
<http://dx.doi.org/10.1007/s00401-016-1592-7>

Woschitz V:
Investigating modifiers that can regulate selective vulnerability in mouse models of spinal muscular atrophy
Thesis, 2023
<http://dx.doi.org/10.7488/era/3896>

Wulff BS, Kuhre RE, Selvaraj M, Rehfeld JF, Niss K, Fels JJ, Secher A, Raun K, Gerstenberg MK:
Improved leptin sensitivity and increased soluble leptin receptor concentrations may underlie the additive effects of combining PYY (3-36) and exendin-4 on body weight lowering in diet-induced obese mice

HELIYON, 27. May 2024.

<https://doi.org/10.1016/j.heliyon.2024.e32009>

Xin J, Wainwright DA, Mesnard NA, Serpe CJ, Sanders VM, Jones KJ:
IL-10 within the CNS is necessary for CD4+ T cells to mediate neuroprotection

Brain Behav Immun. 2010 Aug 17. [Epub ahead of print]

<http://dx.doi.org/10.1016/j.bbi.2010.08.004>

Yagishita Y, Uruno A, Fukutomi T, Saito R, Saigusa D, Pi J, Fukamizu A, Sugiyama F, Takahashi S, Yamamoto M:

Nrf2 Improves Leptin and Insulin Resistance Provoked by Hypothalamic Oxidative Stress

Cell Rep. 2017 Feb 21;18(8):2030-2044. doi: 10.1016/j.celrep.2017.01.064.

<http://www.sciencedirect.com/science/article/pii/S2211124717301341>

Yamaguchi Y, Murai I, Takeda M, Doi S, Seta T, Hanada R, Kangawa K, Okamura H, Miyake T, Doi M:
Nmu/Nms/Gpr176 Triple-Deficient Mice Show Enhanced Light-Resetting of Circadian Locomotor Activity

Biol Pharm Bull. 2022;45(8):1172-1179. doi: 10.1248/bpb.b22-00260.

https://www.jstage.jst.go.jp/article/bpb/45/8/45_b22-00260/_html/-char/ja

Yamaguchi T, Wei D, Song SC, Lim B, Tritsch NX, Lin D:

Posterior amygdala regulates sexual and aggressive behaviors in male mice.

Nat Neurosci. 2020 Jul 27. doi: 10.1038/s41593-020-0675-x.

<https://www.nature.com/articles/s41593-020-0675-x>

Yamaguchi Y, Maekawa Y, Kabashima K, Mizuno T, Tainaka M, Suzuki T, Dojo K, Tominaga T, Kuroiwa S, Masubuchi S, Doi M, Tominaga K, Kobayashi K, Yamagata S, Itoi K, Abe M, Schwartz WJ, Sakimura K, Okamura H:

An intact pituitary vasopressin system is critical for building a robust circadian clock in the suprachiasmatic nucleus

Proc Natl Acad Sci U S A. 2023 Oct 24;120(43):e2308489120. doi: 10.1073/pnas.2308489120.

<https://doi.org/10.1073/pnas.2308489120>

Yang L, Yang Y, Yuan J, Sun Y, Dai J, Su B:

Transcriptomic Landscape of von Economo Neurons in Human Anterior Cingulate Cortex Revealed by Microdissected-Cell RNA Sequencing

Cereb Cortex. 2018 Dec 7. doi: 10.1093/cercor/bhy286.

<https://www.ncbi.nlm.nih.gov/pubmed/30535007>

Yim YY, and Nestler E:

Cell-Type-Specific Neuroproteomics of Synapses

Preprints (www.preprints.org) | 19 May 2023 | doi:10.20944/preprints202305.1447.v1

<https://doi.org/10.20944/preprints202305.1447.v1>

Yin Z, Raj D, Saiepour N, Van Dam D, Brouwer N, Holtman IR, Eggen BJL, Möller T, Tamm JA, Abdourahman A, Hol EM, Kamphuis W, Bayer TA, DeDeyn PP, Boddeke E:

Immune hyperreactivity of A β plaque-associated microglia in Alzheimer's disease

Neurobiology of Aging, 27 Mar 2017, ISSN 0197-4580,

<http://dx.doi.org/10.1016/j.neurobiolaging.2017.03.021>.

<http://www.sciencedirect.com/science/article/pii/S0197458017300970>

Yokogi K, Goto Y, Otsuka M, Ojima F, Kobayashi T, Tsuchiba Y, Takeuchi Y, Namba M, Kohno M, Tetsuka M, Takeuchi S, Matsuyama M, Aizawa S:

Neuromedin U-deficient Rats do not Lose Body Weight or Food Intake

Research Square, 16. Aug 2022, DOI: <https://doi.org/10.21203/rs.3.rs-1907525/v1>

<https://assets.researchsquare.com/files/rs-1907525/v1/1301d119-2f84-4732-b7a8-ec637cfeb613.pdf>

Yokota K, Kobayakawa K, Kubota K, Miyawaki A, Okano H, Ohkawa Y, Iwamoto Y, Okada S:
Engrafted Neural Stem/Progenitor Cells Promote Functional Recovery through Synapse Reorganization with Spared Host Neurons after Spinal Cord Injury
Stem Cell Reports. 2015 Jul 14. pii: S2213-6711(15)00185-X. doi: 10.1016/j.stemcr.2015.06.004.
[http://linkinghub.elsevier.com/retrieve/pii/S2213-6711\(15\)00185-X](http://linkinghub.elsevier.com/retrieve/pii/S2213-6711(15)00185-X)

Yokota K, Kubota K, Kobayakawa K, Saito T, Hara M, Kijima K, Maeda T, Katoh H, Ohkawa Y, Nakashima Y, Okada S:
Pathological changes of distal motor neurons after complete spinal cord injury
Mol Brain. 2019 Jan 9;12(1):4. doi: 10.1186/s13041-018-0422-3.
<https://link.springer.com/article/10.1186/s13041-018-0422-3>

Yoshioka W, Endo N, Kurashige A, Hajima A, Endo T, Shibata T, Nishiyama R, Kakeyama M, Tohyama C:
Fluorescence laser microdissection reveals a distinct pattern of gene activation in the mouse hippocampal region
Sci Rep. 2012;2:783. doi: 10.1038/srep00783.
<http://www.ncbi.nlm.nih.gov/pmc/articles/pmid/23136640/>

Yoshizaki S, Tamaru T, Hara M, Kijima K, Tanaka M, Konno DJ, Matsumoto Y, Nakashima Y, Okada S:
Microglial inflammation after chronic spinal cord injury is enhanced by reactive astrocytes via the fibronectin/ β 1 integrin pathway
J Neuroinflammation. 2021 Jan 6;18(1):12. doi: 10.1186/s12974-020-02059-x.
<https://jneuroinflammation.biomedcentral.com/articles/10.1186/s12974-020-02059-x>

Yu H, Luo W :
Deep RNA sequencing of human dorsal root ganglion neurons reveals somatosensory mechanisms
Nat Neurosci (6 Nov 2024).
<https://doi.org/10.1038/s41593-024-01795-0>

Yu H, Nagi SS, Usoskin D, Hu Y, Kupari J, Bouchatta O, Yan H, Cranfill SL, Gautam M, Su Y, Lu Y, Wymer J, Glanz M, Albrecht P, Song H, Ming GL, Prouty S, Seykora J, Wu H, Ma M, Marshall A, Rice FL, Li M, Olausson H, Ernfors P, Luo W :
Leveraging deep single-soma RNA sequencing to explore the neural basis of human somatosensation
Nat Neurosci. 2024 Nov 4. doi: 10.1038/s41593-024-01794-1.
<https://doi.org/10.1038/s41593-024-01794-1>

Yu H, Sant DW, Wang G, Guy J:
Mitochondrial Transfer of the Mutant Human ND6T14484C Gene Causes Visual Loss and Optic Neuropathy
Translational Vision Science & Technology October 2020, Vol.9, 1. doi:https://doi.org/10.1167/tvst.9.11.1
<https://tvst.arvojournals.org/article.aspx?articleid=2770854>

Yuan PQ, Wu SV, Stengel A, Sato K, Taché Y.:
Activation of CRF1 receptors expressed in brainstem autonomic nuclei stimulates colonic enteric neurons and secreto-motor function in male rats
Neurogastroenterol Motil. 2021 Jul 2:e14189. doi: 10.1111/nmo.14189.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/nmo.14189>

Zaccaria A, Antinori P, Licker V, Kovari E, Lobrinus JA, Burkhard PR:

Multiomic Analyses of Dopaminergic Neurons Isolated from Human Substantia Nigra in Parkinson's Disease: A Descriptive and Exploratory Study

Cell Mol Neurobiol. 2021 Sep 15. doi: 10.1007/s10571-021-01146-8.
<https://link.springer.com/article/10.1007/s10571-021-01146-8>

Zaccaria A, Malaspina PA, Licker V, Kovari E, Lohrbus JA, Burkhard PR:

Polyomic analyses of dopaminergic neurons isolated from human substantia nigra in Parkinson's disease: An exploratory study

Research Square, 12 Feb 2021, DOI: 10.21203/rs.3.rs-182873/v1
<https://www.researchsquare.com/article/rs-182873/v1>

Zeng H, Shen EH, Hohmann JG, Oh SW, Bernard A, Royall JJ, Glattfelder KJ, Sunkin SM, Morris JA, Guillozet-Bongaarts AL, Smith KA, Ebbert AJ, Swanson B, Kuan L, Page DT, Overly CC, Lein ES, Hawrylycz MJ, Hof PR, Hyde TM, Kleinman JE, Jones AR:

Large-scale cellular-resolution gene profiling in human neocortex reveals species-specific molecular signatures

Cell. 2012 Apr 13;149(2):483-96. doi: 10.1016/j.cell.2012.02.052.
[http://linkinghub.elsevier.com/retrieve/pii/S0092-8674\(12\)00348-0](http://linkinghub.elsevier.com/retrieve/pii/S0092-8674(12)00348-0)

Zhang B, Su W, Hu J, Xu J, Askar P, Bao S, Zhou S, Chen G, Gu Y:

Transcriptome Analysis of Schwann Cells at Various Stages of Myelination Implicates Chromatin Regulator Sin3A in Control of Myelination Identity

Neurosci Bull. 2022 Apr 10. doi: 10.1007/s12264-022-00850-9.
<https://link.springer.com/article/10.1007/s12264-022-00850-9>

Zhang L, Wahlin K, Li Y, Masuda T, Yang Z, Zack DJ, Esumi N:

RIT2, a neuron-specific small guanosine triphosphatase, is expressed in retinal neuronal cells and its promoter is modulated by the POU4 transcription factors

Mol Vis. 2013 Jun 17;19:1371-86. Print 2013.
<http://www.ncbi.nlm.nih.gov/pmc/articles/pmid/23805044/>

Zhang Q, Goto H, Akiyoshi-Nishimura S, Prosser P, Sano C, Matsukawa H, Yaguchi K, Nakashiba T, Itohara S:

Diversification of behavior and postsynaptic properties by netrin-G presynaptic adhesion family proteins

Mol Brain. 2016 Jan 8;9(1):6. doi: 10.1186/s13041-016-0187-5.
<http://molecularbrain.biomedcentral.com/articles/10.1186/s13041-016-0187-5>

Zhang Y, Xu L, Li X, Chen Z, Chen J, Zhang T, Gu X, Yang J:

Deciphering the dynamic niches and regeneration-associated transcriptional program of motoneurons following peripheral nerve injury

iScience. 2022 Aug 11;25(9):104917. doi: 10.1016/j.isci.2022.104917.
<https://doi.org/10.1016/j.isci.2022.104917>

Zhao LL, Zhang T, Huang WX, Gui TT, Gu XS:

Transcriptional regulatory network during axonal regeneration of dorsal root ganglion neurons: laser-capture microdissection and deep sequencing

Neural Regen Res 18(0):000-000. (Jan 2023)
<https://doi.org/10.4103/1673-5374.366494>

Zhao S, DeFinis JH, and Hou S:

Alterations of Dopamine-Related Transcripts in A11 Diencephalospinal Pathways after Spinal Cord Injury

Neural Plasticity, 15 Jan 2021, Volume 2021, Article ID 8838932, 12 pages
<https://doi.org/10.1155/2021/8838932>

Zhou FC, Resendiz M, Lo CL, Chen Y:

Cell-Wide DNA De-Methylation and Re-Methylation of Purkinje Neurons in the Developing Cerebellum

PLoS One. 2016 Sep 1;11(9):e0162063. doi: 10.1371/journal.pone.0162063. eCollection 2016.

<http://dx.plos.org/10.1371/journal.pone.0162063>

Zhou LT, Liu D, Kang HC, Lu L, Huang HZ, Ai WQ, Zhou Y, Deng MF, Li H, Liu ZQ, Zhang WF, Hu YZ, Han ZT, Zhang HH, Jia JJ, Sarkar AK, Sharaydeh S, Wang J, Man HY, Schilling M, Bertram L, Lu Y, Guo Z, Zhu LQ:

Tau pathology epigenetically remodels the neuron-glia cross-talk in Alzheimer's disease

Sci Adv. 2023 Apr 21;9(16):eabq7105. doi: 10.1126/sciadv.abq7105.

<https://www.science.org/doi/full/10.1126/sciadv.abq7105>

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[Webinar: How to Conduct Localized Proteomics of Microscopic Regions](#)

9. Clinical/Pathology/Immunology Research Applications

Making space for spatial biology in the clinic

Nat Biotechnol (6 Jan2025).

<https://doi.org/10.1038/s41587-024-02543-2>

Abe R, Katoh N, Takahashi Y, Takasone K, Yoshinaga T, Yazaki M, Kametani F, Sekijima Y
Distribution of amyloidosis subtypes based on tissue biopsy site - Consecutive analysis of 729 patients at a single amyloidosis center in Japan

Pathol Int. 2020 Oct 28. doi: 10.1111/pin.13041.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/pin.13041>

Adachi M, Kitamura M, Muta K, Maekawa A, Uramatsu T, Tadokoro M, Funakoshi S, Hisano S, Kuwahara N, Shimizu A, Mukae H, Nishino T:

IgM monoclonal gammopathy with heavy and light chain amyloidosis resembling fibrillary glomerulonephritis determined by tandem mass spectrometry: a case report

BMC Nephrol. 2020 May 24;21(1):195. doi: 10.1186/s12882-020-01851-4.

<https://bmcnephrol.biomedcentral.com/articles/10.1186/s12882-020-01851-4>

Aguilan JT, Lim J, Racine-Brzostek S, Fischer J, Silvescu C, Cornett S, Nieves E, Mendu DR, Aliste CM, Semple S, Angeletti R, Weiss LM, Cole A, Prystowsky M, Pullman J, Sidoli S:

Effect of dynamic exclusion and the use of FAIMS, DIA and MALDI-mass spectrometry imaging with ion mobility on amyloid protein identification

Clin Proteomics. 2024 Jul 3;21(1):47. doi: 10.1186/s12014-024-09500-w.

<https://doi.org/10.1186/s12014-024-09500-w>

Ahmed FE:

Laser Microdissection: Application to Carcinogenesis

Cancer Genomics and Proteomics May-August 2006 vol. 3 no. 3-4 217-225

<http://cgp.iijournals.org/content/3/3-4/217.short>

Ai J, Pascal LE, O'Malley KJ, Dar JA, Isharwal S, Qiao Z, Ren B, Rigatti LH, Dhir R, Xiao W, Nelson JB, Wang Z:

Concomitant loss of EAF2/U19 and Pten synergistically promotes prostate carcinogenesis in the mouse model

Oncogene. 2013 May 27. doi: 10.1038/onc.2013.190.

<http://dx.doi.org/10.1038/onc.2013.190>

Al Nabhani Z, Berrebi D, Martinez-Vinson C, Montcuquet N, Dietrich G, Singh G, Turner JR, Madre C, Roy M, Ogier-Denis E, Dussaillant M, Cerf-Bensussan N, Zouali H, Jung C, Daniel F, Barreau F, Hugot J-P:

Nod2 protects remote small intestinal sites in case of colonic inflammation

bioRxiv, 3 Jan 2019, <https://doi.org/10.1101/510933>

<https://www.biorxiv.org/content/10.1101/510933v1.abstract>

Al Nabhani Z, Berrebi D, Martinez-Vinson C, Montcuquet N, Madre C, Roy M, Ogier-Denis E, Dussaillant M, Cerf-Bensussan N, Zouali H, Daniel F, Barreau F, Hugot JP:

Nod2 protects the gut from spreading experimental colitis to small intestine

J Crohns Colitis. 2019 Nov 30. pii: jjz196. doi: 10.1093/ecco-jcc/jjz196.

<https://academic.oup.com/ecco-jcc/advance-article-abstract/doi/10.1093/ecco-jcc/jjz196/5648102>

Alexander MP, Dasari S, Vrana JA, Riopel J, Valeri AM, Markowitz GS, Hever A, Bijol V, Larsen CP, Cornell LD, Fidler ME, Said SM, Sethi S, Herrera Hernandez LP, Grande JP, Erickson SB, Fervenza FC, Leung N, Kurtin PJ, Nasr SH:

Congophilic Fibrillary Glomerulonephritis: A Case Series

Am J Kidney Dis. 2018 Jun 1. pii: S0272-6386(18)30604-8. doi: 10.1053/j.ajkd.2018.03.017.

[https://linkinghub.elsevier.com/retrieve/pii/S0272-6386\(18\)30604-8](https://linkinghub.elsevier.com/retrieve/pii/S0272-6386(18)30604-8)

Amatori S, Ballarini M, Favarsani A, Belloni E, Fusar F, Bosari S, Pelicci PG, Minucci S, Fanelli M:

PAT-ChIP coupled with laser microdissection allows the study of chromatin in selected cell populations from paraffin-embedded patient samples

Epigenetics Chromatin. 2014 Aug 5;7:18. doi: 10.1186/1756-8935-7-18. eCollection 2014.

<http://www.epigeneticsandchromatin.com/content/7/1/18>

Anusornvongchai T, Nangaku M, Jao TM, Wu CH, Ishimoto Y, Maekawa H, Tanaka T, Shimizu A, Yamamoto M, Suzuki N, Sassa R, Inagi R:

Palmitate deranges erythropoietin production via transcription factor ATF4 activation of unfolded protein response

Kidney Int. 2018 Jun 7. pii: S0085-2538(18)30250-3. doi: 10.1016/j.kint.2018.03.011.

<https://www.sciencedirect.com/science/article/pii/S0085253818302503>

Aoki M, Kang D, Katayama A, Kuwahara N, Nagasaka S, Endo Y, Terasaki M, Kunugi S, Terasaki Y, Shimizu A:

Optimal conditions and the advantages of using laser microdissection and liquid chromatography tandem mass spectrometry for diagnosing renal amyloidosis

Clin Exp Nephrol. 2018 Jan 25. doi: 10.1007/s10157-018-1533-y.

<https://link.springer.com/article/10.1007/s10157-018-1533-y>

Appelbaum T, Smith DA, Takahashi K, Kwok JC, Sorenson H, Beltran WA:

Impact of PEGylation and hyaluronan functionalization on lipoplex-mediated mRNA delivery to the canine retina

Drug Deliv. 2025 Dec;32(1):2544688. doi: 10.1080/10717544.2025.2544688.

<https://doi.org/10.1080/10717544.2025.2544688>

Arafah K, Kriegsmann M, Renner M, Lasitschka F, Fresnais M, Kriegsmann K, von Winterfeld M, Goeppert B, Kriegsmann J, Casadonte R, Kazdal D, Bulet P, Longuespée R:

Microproteomics and Immunohistochemistry Reveal Differences in Aldo-Keto Reductase Family 1 Member C3 (AKR1C3) in Tissue Specimens of Ulcerative Colitis and Crohn's Disease

Proteomics Clin Appl. 2020 Jan 31:e1900110. doi: 10.1002/prca.201900110.

<https://doi.org/10.1002/prca.201900110>

Ardighieri L, Zeppernick F, Hannibal CG, Vang R, Cope L, Junge J, Kjaer SK, Kurman RJ, Shih IM:

Mutational Analysis of BRAF and KRAS in Ovarian Atypical Proliferative Serous (Borderline) Tumors and Associated Peritoneal Implants

J. Pathol., 1096-9896, 10.1002/path.4293, 2013

<http://dx.doi.org/10.1002/path.4293>

Augello C, Gianelli U, Savi F, Moro A, Bonoldi E, Gambacorta M, Vaira V, Baldini L, Bosari S:

MicroRNA as potential biomarker in HCV-associated diffuse large B-cell lymphoma

J Clin Pathol. 2014 Jun 9. pii: jclinpath-2014-202352. doi: 10.1136/jclinpath-2014-202352.

<http://jcp.bmj.com/cgi/lookup?view=long&pmid=24914240>

Avan A, Caretti V, Funel N, Galvani E, Maftouh M, Honeywell RJ, Lagerweij T, Van Tellingen O, Campani D, Fuchs D, Verheul HM, Schuurhuis GJ, Boggi U, Peters GJ, Wurdinger T, Giovannetti E:

Crizotinib inhibits metabolic inactivation of gemcitabine in c-Met-driven pancreatic carcinoma

Cancer Res. 2013 Oct 1.

<http://cancerres.aacrjournals.org/cgi/pmidlookup?view=long&pmid=24085787>

Ayars M, O'Sullivan E, Macgregor-Das A, Shindo K, Kim H, Borges M, Yu J, Hruban RH, Goggins M:
IL2RG, identified as overexpressed by RNA-seq profiling of pancreatic intraepithelial neoplasia, mediates pancreatic cancer growth

Oncotarget. 2017 Aug 3;8(48):83370-83383. doi: 10.18632/oncotarget.19848.
<http://www.impactjournals.com/oncotarget/misc/linkedout.php?pii=19848>

Azar P, Avila Y, Hiltbrunner A, Delacourt C, Rougemont AL, Vidal I, Bochaton-Piallat ML, Ruchonnet-Metrailler I:

Atypical mesenchyme in congenital pulmonary airways malformation: a promising new focus.

Respir Res. 2025 Aug 26;26(1):262. doi: 10.1186/s12931-025-03332-4.
<https://doi.org/10.1186/s12931-025-03332-4>

Bagan JV, Mata-Roig M, Cortio-Gimeno J, Murillo-Cortes J, Hens-Aumente E, Poveda-Roda R, Bagan L:

Epidermal growth factor receptor copy number in potentially malignant oral disorders and oral squamous cell carcinoma: a short communication and preliminary study

J Oral Pathol Med. 2012 Mar 14. doi: 10.1111/j.1600-0714.2012.01137.x.
<http://onlinelibrary.wiley.com/doi/10.1111/j.1600-0714.2012.01137.x/abstract>

Balagopal A, Grudda T, Ribeiro RM, Saad YS, Hwang HS, Quinn J, Murphy M, Ward K, Sterling RK, Zhang Y, Perelson AS, Sulkowski MS, Osburn WO, Thio CL:

Single hepatocytes show persistence and transcriptional inactivity of hepatitis B

JCI Insight. 2020 Oct 2;5(19):140584. doi: 10.1172/jci.insight.140584.
<https://insight.jci.org/articles/view/140584>

Baldassari S, Ribierre T, Marsan E, Adle-Biassette H, Ferrand-Sorbets S, Bulteau C, Dorison N, Fohlen M, Polivka M, Weckhuysen S, Dorfmueller G, Chipaux M, Baulac S:

Dissecting the genetic basis of focal cortical dysplasia: a large cohort study

Acta Neuropathol. 2019 Aug 23. doi: 10.1007/s00401-019-02061-5.
<https://link.springer.com/content/pdf/10.1007%2Fs00401-019-02061-5.pdf>

Ban N, Siegfried CJ, Lin JB, Shui YB, Sein J, Pita-Thomas W, Sene A, Santeford A, Gordon M, Lamb R, Dong Z, Kelly SC, Cavalli V, Yoshino J, Apte RS:

GDF15 is elevated in mice following retinal ganglion cell death and in glaucoma patients

JCI Insight. 2017 May 4;2(9). pii: 91455. doi: 10.1172/jci.insight.91455.
<https://insight.jci.org/articles/view/91455/pdf>

Bao H, Hu S, Zhang C, Shi S, Qin W, Zeng C, Liu Z:

Inhibition of miRNA-21 prevents fibrogenic activation in podocytes and tubular cells in IgA nephropathy

Biochem Biophys Res Commun. 2014 Jan 24. pii: S0006-291X(14)00089-8.
<http://www.sciencedirect.com/science/article/pii/S0006291X14000898>

Barazzzone-Argiroffo C, Lascano Maillard J, Vidal I, Bochaton-Piallat ML, Blaskovic S, Donati Y, Wildhaber BE, Rougemont AL, Delacourt C, Ruchonnet-Metrailler I:

New insights on congenital pulmonary airways malformations revealed by proteomic analyses

Orphanet J Rare Dis. 2019 Nov 28;14(1):272. doi: 10.1186/s13023-019-1192-4.
<https://link.springer.com/article/10.1186/s13023-019-1192-4>

Barrett TJ, Schlegel M, Zhou F, Gorenchtein M, Bolstorff J, Moore KJ, Fisher EA, Berger JS:

Platelet regulation of myeloid suppressor of cytokine signaling 3 accelerates atherosclerosis

Sci Transl Med. 2019 Nov 6;11(517). pii: eaax0481. doi: 10.1126/scitranslmed.aax0481.
<http://stm.sciencemag.org/cgi/pmidlookup?view=short&pmid=31694925>

Barrow TM, Barault L, Ellsworth RE, Harris HR, Binder AM, Valente AL, Shriver CD, Michels KB:

Aberrant methylation of imprinted genes is associated with negative hormone receptor status in invasive breast cancer

Int J Cancer. 2015 Jan 5. doi: 10.1002/ijc.29419.

<http://dx.doi.org/10.1002/ijc.29419>

Barwinska D, Ferkowicz MJ, Cheng YH, Winfree S, Dunn KW, Kelly KJ, Sutton TA, Rovin BH, Parikh SV, Phillips CL, Dagher PC, El-Achkar TM, Eadon MT; Kidney Precision Medicine Project:

Application of Laser Microdissection to Uncover Regional Transcriptomics in Human Kidney Tissue

J Vis Exp. 2020 Jun 9;(160). doi: 10.3791/61371.

<https://www.jove.com/t/61371/application-laser-microdissection-to-uncover-regional-transcriptomics>

Ben-Kraiem A, Sauer RS, Norwig C, Popp M, Bettenhausen AL, Atalla MS, Brack A, Blum R, Doppler K, Rittner HL:

Selective blood-nerve barrier leakiness with claudin-1 and vessel-associated macrophage loss in diabetic polyneuropathy

J Mol Med (Berl). 2021 May 21. doi: 10.1007/s00109-021-02091-1.

<https://link.springer.com/content/pdf/10.1007/s00109-021-02091-1.pdf>

Benner SE, Walter DL, Thuma JR, Courreges M, James CBL, Schwartz FL, McCall KD:

Toll-Like Receptor 3 Is Critical to the Pancreatic Islet Milieu That Is Required for Coxsackievirus B4-Induced Type 1 Diabetes in Female Nonobese Diabetic Mice

Pancreas. 2022 Jan 1;51(1):48-55. doi: 10.1097/MPA.0000000000001960.

https://journals.lww.com/pancreasjournal/Fulltext/2022/01000/Toll_Like_Receptor_3_Is_Critical_to_the_Pancreatic.8.aspx

Bergsbaken T1, Bevan MJ2, Fink PJ:

Local Inflammatory Cues Regulate Differentiation and Persistence of CD8+ Tissue-Resident Memory T Cells

Cell Rep. 2017 Apr 4;19(1):114-124. doi: 10.1016/j.celrep.2017.03.031.

[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(17\)30363-7](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(17)30363-7)

Bialik JF, Ding M, Speight P, Dan Q, Miranda MZ, Di Ciano-Oliveira C, Kofler MM, Rotstein OD, Pedersen SF, Szász K, Kapus A:

Profibrotic epithelial phenotype: a central role for MRTF and TAZ

Sci Rep. 2019 Mar 13;9(1):4323. doi: 10.1038/s41598-019-40764-7.

<https://www.nature.com/articles/s41598-019-40764-7>

Björner S, Fitzpatrick PA, Li Y, Allred C, Howell A, Ringberg A, Olsson H, Miller CJ, Axelson H, Landberg G:

Epithelial and Stromal MicroRNA Signatures of Columnar Cell Hyperplasia Linking Let-7c to Precancerous and Cancerous Breast Cancer Cell Proliferation

PLoS One. 2014 Aug 14;9(8):e105099. doi: 10.1371/journal.pone.0105099.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0105099>

Blandford AD, Yordi S, Kapoor S, Yeane G, Cotta CV, Valent J, Perry JD, Singh AD:

Ocular Adnexal Amyloidosis: A Mass Spectrometric Analysis

Am J Ophthalmol. 2018 Jun 8. pii: S0002-9394(18)30266-6. doi: 10.1016/j.ajo.2018.05.032.

<https://www.sciencedirect.com/science/article/pii/S0002939418302666>

Blaskovic S, Donati Y, Ruchonnet-Metrailler I, Avila Y, Schittny D, Schlepütz CM, Schittny JC, Barazzzone-Argiroffo C:

Early life exposure to nicotine modifies lung gene response after elastase-induced emphysema

Respir Res. 2022 Mar 3;23(1):44. doi: 10.1186/s12931-022-01956-4.

<https://respiratory-research.biomedcentral.com/articles/10.1186/s12931-022-01956-4>

Blay RM:

The Role of MicroRNA-21 in Macrophages during Atherosclerosis

PhD thesis, Jul 2016

https://edoc.ub.uni-muenchen.de/19732/1/Blay_Richard_M..pdf

Bonduelle T, Hartlieb T, Baldassari S, Sim NS, Kim SH, Kang HC, Kobow K, Coras R, Chipaux M, Dorfmueller G, Adle-Biasette H, Aronica E, Lee JH, Blumcke I, Baulac S:

Frequent SLC35A2 brain mosaicism in mild malformation of cortical development with oligodendroglial hyperplasia in epilepsy (MOGHE)

Acta Neuropathol Commun. 2021 Jan 6;9(1):3. doi: 10.1186/s40478-020-01085-3.

<https://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-020-01085-3>

Boon BDC, Bulk M, Jonker AJ, Morrema THJ, van den Berg E, Popovic M, Walter J, Kumar S, van der Lee SJ, Holstege H, Zhu X, Van Nostrand WE, Natté R, van der Weerd L, Bouwman FH, van de Berg WDJ, Rozemuller AJM, Hoozemans JJM:

The coarse-grained plaque: a divergent A β plaque-type in early-onset Alzheimer's disease

Acta Neuropathol. 2020 Sep 14. doi: 10.1007/s00401-020-02198-8.

<https://link.springer.com/article/10.1007/s00401-020-02198-8>

Boschetti E, Caporali L, D'Angelo R, Malagelada C, Accarino A, Dotti MT, Costa R, Cenacchi G, Pironi L, Rinaldi R, Stanghellini V, Ratti S, Manzoli L, Carelli V, De Giorgio R:

Anatomical Laser Microdissection of the Ileum Reveals mtDNA Depletion Recovery in A Mitochondrial Neuro-Gastrointestinal Encephalomyopathy (MNGIE) Patient Receiving Liver Transplant

Int J Mol Sci. 2022 Aug 8;23(15):8792. doi: 10.3390/ijms23158792.

<https://doi.org/10.3390/ijms23158792>

Boshoff HIM, Young K, Ahn YM, Yadav VD, Crowley BM, Yang L, Su J, Oh S, Arora K, Andrews J, Manikkam M, Sutphin M, Smith AJ, Weiner DM, Piazza MK, Fleegle JD, Gomez F, Dayao EK, Prideaux B, Zimmerman M, Kaya F, Sarathy J, Tan VY, Via LE, Tschirret-Guth R, Lenaerts AJ, Robertson GT, Dartois V, Olsen DB, Barry CE 3rd:

Mtb-Selective 5-Aminomethyl Oxazolidinone Prodrugs: Robust Potency and Potential Liabilities

ACS Infect Dis. 2024 Apr 6. doi: 10.1021/acsinfecdis.4c00025.

<https://doi.org/10.1021/acsinfecdis.4c00025>

Brzozowska N, Wu LYD, Khodzhaeva V, Griffiths WJ, Duckworth A, Jung H, Coorens THH, Hooks Y, Chambers JE, Campbell PJ, Marciniak SJ, Hoare M

Selection for somatic escape variants in SERPINA1 in the liver of patients with alpha-1 antitrypsin deficiency

Nat Genet. 2025 Mar 10. doi: 10.1038/s41588-025-02125-1.

<https://doi.org/10.1038/s41588-025-02125-1>

Bullock MD, Pickard K, Mitter R, Sayan AE, Primrose JN, Ivan C, Calin GA, Thomas GJ, Packham GK, Mirnezami AH:

Stratifying risk of recurrence in stage II colorectal cancer using deregulated stromal and epithelial microRNAs

Oncotarget. 2015 Mar 7.

<http://www.impactjournals.com/oncotarget/misc/linkedout.php?pii=3225>

Buttó LF, Pelletier A, More SK, Zhao N, Osme A, Hager CL, Ghannoum MA, Sekaly RP, Cominelli F, Dave M:

Intestinal Stem Cell Niche Defects Result in Impaired 3D Organoid Formation in Mouse Models of Crohn's Disease-like Ileitis

Stem Cell Reports. 2020 Jul 6:S2213-6711(20)30238-1. doi: 10.1016/j.stemcr.2020.06.017.

[https://linkinghub.elsevier.com/retrieve/pii/S2213-6711\(20\)30238-1](https://linkinghub.elsevier.com/retrieve/pii/S2213-6711(20)30238-1)

Cai X, Zhang H, Zhang J, Li T:

Isolation of Cells with Morphological and Spatial Information from Oral Submucous Fibrosis Samples by Laser Capture Microdissection

J. Vis. Exp. (198), e65890, doi:10.3791/65890 (11 Aug 2023).

<https://dx.doi.org/10.3791/65890>

Cai YR, Dong YJ, Wu HB, Liu ZC, Zhou LJ, Su D, Chen XJ, Zhang L, Zhao YL:

Micropapillary: A component more likely to harbour heterogeneous EGFR mutations in lung adenocarcinomas

Sci Rep. 2016 Apr 5;6:23755. doi: 10.1038/srep23755.

<http://dx.doi.org/10.1038/srep23755>

Calabrese F, Lunardi F, Tauro V, Pezzuto F, Fortarezza F, Vedovelli L, Faccioli E, Balestro E, Schiavon M, Esposito G, Vuljan SE, Giraudo C, Gregori D, Rea F, Spagnolo P:

RNA Sequencing of Epithelial Cell/Fibroblastic Foci Sandwich in Idiopathic Pulmonary Fibrosis: New Insights on the Signaling Pathway

Int J Mol Sci. 2022 Mar 19;23(6):3323. doi: 10.3390/ijms23063323. PMID: 35328744

<https://www.mdpi.com/1422-0067/23/6/3323/htm>

Calo G, Hauk V, Vota D, Van C, Condro M, Gallino L, Ramhorst R, Waschek J, Leirós CP:

VPAC1 and VPAC2 receptor deficiencies negatively influence pregnancy outcome through distinct and overlapping modulations of immune, trophoblast and vascular functions

Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease, 2022, 166593, ISSN 0925-4439,

<https://doi.org/10.1016/j.bbadis.2022.166593>

Caponi S, Funel N, Frampton AE, Mosca F, Santarpia L, Van der Velde AG, Jiao LR, De Lio N, Falcone A, Kazemier G, Mejer GA, Verheul HM, Vasile E, Peters GJ, Boggi U, Giovannetti E:

The good, the bad and the ugly: a tale of miR-101, miR-21 and miR-155 in pancreatic intraductal papillary mucinous neoplasms

Ann Oncol. 2012 Nov 8.

<http://annonc.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=23139258>

Carlier FM, Dupasquier S, Ambroise J, Detry B, Lecocq M, Biétry-Claudet C, Boukala Y, Gala JL, Bouzin C, Verleden SE, Hoto D, Gohy S, Bearzatto B, Pilette C:

Canonical WNT pathway is activated in the airway epithelium in chronic obstructive pulmonary disease

EBioMedicine. 2020 Oct 9;61:103034. doi: 10.1016/j.ebiom.2020.103034.

<https://www.sciencedirect.com/science/article/pii/S2352396420304102#!>

Canela VH:

Molecular Studies on Calcium Oxalate Kidney Stones: A Window into the Pathogenesis of Nephrolithiasis

Thesis, May 2022

<https://scholarworks.iupui.edu/handle/1805/29298>

Canela VH, Bledsoe S, Barwinska D, Lingeman JE, Ashkar TM, Williams JC Jr:

Laser Microdissection of Human Calcium Oxalate Monohydrate Stones Enables Structurally Specific Exploration of the Stone Proteome

The Journal of Urology, 2019, PD38-06

<https://www.auajournals.org/doi/pdf/10.1097/01.JU.0000556374.09513.de>

Canela VH, Bledsoe SB, Lingeman JE, Gerber G, Worcester EM, El-Achkar TM, Williams JC Jr:

Demineralization and sectioning of human kidney stones: A molecular investigation revealing the spatial heterogeneity of the stone matrix

Physiol Rep. 2021 Jan;9(1):e14658. doi: 10.14814/phy2.14658.

<https://physoc.onlinelibrary.wiley.com/doi/full/10.14814/phy2.14658>

Atheroma-specific lipids in *ldlr*^{-/-} and *apoe*^{-/-} mice using 2D and 3D matrix-assisted laser desorption/ionization mass spectrometry imaging

J. Am. Soc. Mass Spectrom., 27 Jul 2020, DOI: 10.1021/jasms.0c00070

<https://pubs.acs.org/doi/abs/10.1021/jasms.0c00070>

Carrillo MAL:

Endothelial Cell Heterogeneity: A Correlation With The Von Willebrand Factor Expression In Distinct Organs

Thesis, 2017

https://era.library.ualberta.ca/files/cbn9996983/LorenzanaCarrillo_Maria_A_201612_MSc.pdf

Castelli, J.B., Carvalho, V.M.:

Proteomics by Mass Spectrometry in the Typing of Amyloidosis

In: Xavier de Ávila, D., Villacorta Junior, H. (eds) Amyloidosis and Fabry Disease. Springer, Cham.

https://doi.org/10.1007/978-3-031-17759-0_18

Catenacci DV, Liao WL, Thyparambil S, Henderson L, Xu P, Zhao L, Rambo B, Hart J, Xiao SY, Bengali K, Uzzell J, Darfler M, Krizman DB, Cecchi F, Bottaro DP, Karrison T, Veenstra TD, Hembrough T, Burrows J:

Absolute Quantitation of Met Using Mass Spectrometry for Clinical Application: Assay Precision, Stability, and Correlation with MET Gene Amplification in FFPE Tumor Tissue

PLoS One. 2014 Jul 1;9(7):e100586. doi: 10.1371/journal.pone.0100586. eCollection 2014.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0100586#pone-0100586-g001>

Caza T, Hassen S, Kuperman M, Sharma S, Dvanajscak Z, Arthur J, Edmondson R, Storey A, Herzog C, Kenan D, Larsen C:

Neural cell adhesion molecule 1 is a novel autoantigen in membranous lupus nephritis

Kidney Int. 2020 Oct 9:S0085-2538(20)31180-7. doi: 10.1016/j.kint.2020.09.016

<https://www.sciencedirect.com/science/article/pii/S0085253820311807>

Caza TN, Storey A, Hassen SI, Herzog C, Edmondson R, Arthur JM, Kenan DJ, Larsen CP:

Discovery of seven novel putative antigens in membranous nephropathy and membranous lupus nephritis identified by mass spectrometry

Kidney Int. 2023 Jan 10:S0085-2538(23)00005-4. doi: 10.1016/j.kint.2023.01.001.

<https://doi.org/10.1016/j.kint.2023.01.001>

Ceci M, Carlanoni C, Missinato MA, Bonvissuto D, Di Giacomo B, Contu R, Romano N:

Micro RNAs are involved in activation of epicardium during zebrafish heart regeneration

Cell Death Discov. 2018 Mar 12;4:41. doi: 10.1038/s41420-018-0041-x. eCollection 2018.

<https://www.nature.com/articles/s41420-018-0041-x.pdf>

Cerbelli B, Pisano A, Colafrancesco S, Pignataro MG, Biffoni M, Berni S, De Luca A, Ricciardi V, Priori R, Valesini G, d'Amati G, Giordano C:

Anti-aminoacyl-tRNA synthetase-related myositis and dermatomyositis: clues for differential diagnosis on muscle biopsy

Virchows Arch. 2017 Nov 16. doi: 10.1007/s00428-017-2269-x.

<https://dx.doi.org/10.1007/s00428-017-2269-x>

Ceulemans A, Verhulst S, Van Haele M, Govaere O, Ventura JJ, van Grunsven LA, Roskams T:

RNA-sequencing-based comparative analysis of human hepatic progenitor cells and their niche from alcoholic steatohepatitis livers

Cell Death Dis. 2017 Nov 2;8(11):e3164. doi: 10.1038/cddis.2017.543.
<https://www.nature.com/articles/cddis2017543.pdf>

Cha YJ, Lee JH, Han HH, Kim BG, Kang S, Choi YD, Cho NH:

MicroRNA alteration and putative target genes in high-grade prostatic intraepithelial neoplasia and prostate cancer: STAT3 and ZEB1 are upregulated during prostate carcinogenesis

Prostate. 2016 Mar 28. doi: 10.1002/pros.23183.
<http://onlinelibrary.wiley.com/doi/10.1002/pros.23183/abstract>

Choa R, Harris JC, Yang E, Yokoyama Y, Okumura M, Kim M, To J, Lou M, Nelson A, Kambayashi T:

Thymic stromal lymphopoietin induces IL-4/IL-13 from T cells to promote sebum secretion and adipose loss

J Allergy Clin Immunol. 2023 Dec 27:S0091-6749(23)02543-5. doi: 10.1016/j.jaci.2023.11.923.
<https://doi.org/10.1016/j.jaci.2023.11.923>

Chapman JR, Liu A, Yi SS, Hernandez E, Ritorto MS, Jungbluth AA, Pulitzer M, Dogan A:

Proteomic analysis shows that the main constituent of subepidermal localised cutaneous amyloidosis is not galectin-7

Amyloid. 2020 Sep 1;1-7. doi:10.1080/13506129.2020.1811962
<https://www.tandfonline.com/doi/abs/10.1080/13506129.2020.1811962>

Charalampos C, Surendra D, Ellen M, Jason TD, Julie VA, Angela D, Nelson L, Eli M, Morie G, Marina RA, Taxiarchis K:

A proteomic atlas of kidney amyloidosis provides insights into disease pathogenesis

Kidney Int. 2023 Dec 12:S0085-2538(23)00861-X. doi: 10.1016/j.kint.2023.11.023.
<https://doi.org/10.1182/blood-2009-07-230722>

Chatziandreou I, Tsioli P, Sakellariou S, Mourkioti I, Giannopoulou I, Levidou G, Korkolopoulou P, Patsouris E, Saelta AA:

Comprehensive Molecular Analysis of NSCLC; Clinicopathological Associations

PLoS One. 2015 Jul 24;10(7):e0133859. doi: 10.1371/journal.pone.0133859. eCollection 2015.
<http://dx.plos.org/10.1371/journal.pone.0133859>

Chen C, Lu C, Qian Y, Li H, Tan Y, Cai L, Weng H:

Urinary miR-21 as a potential biomarker of hypertensive kidney injury and fibrosis

Sci Rep. 2017 Dec 18;7(1):17737. doi: 10.1038/s41598-017-18175-3.
<http://dx.doi.org/10.1038/s41598-017-18175-3>

Chen L, Zhou T, Wu N, O'Brien A, Venter J, Ceci L, Kyritsi K, Onori P, Gaudio E, Sybenga A, Xie L, Wu C, Fabris L, Invernizzi P, Zawieja D, Liangpunsakul S, Meng F, Francis H, Glaser S :

Pinealectomy or light exposure exacerbates biliary damage and liver fibrosis in cholestatic rats through decreased melatonin synthesis

Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease, 16 Mar 2019,
<https://doi.org/10.1016/j.bbadis.2019.03.002>
<https://www.sciencedirect.com/science/article/abs/pii/S0925443919300766#!>

Chen PY, Qin L, Li G, Malagon-Lopez J, Wang Z, Bergaya S, Gujja S, Caulk AW, Murtada SI, Zhang X, Zhuang ZW, Rao DA, Wang G, Tobiasova Z, Jiang B, Montgomery RR, Sun L, Sun H, Fisher EA, Gulcher JR, Fernandez-Hernando C, Humphrey JD, Tellides G, Chittenden TW, Simons M:

Smooth Muscle Cell Reprogramming in Aortic Aneurysms

Cell Stem Cell. 2020 Apr 2;26(4):542-557.e11. doi: 10.1016/j.stem.2020.02.013.
<https://www.sciencedirect.com/science/article/abs/pii/S1934590920300667>

Chen S, Zuo S, Zhu J, Yue T, Bu D, Wang X, Wang P, Pan Y, Liu Y:
Decreased expression of cystathionine β -synthase exacerbates intestinal barrier injury in ulcerative colitis

J Crohns Colitis. 2019 Feb 5. doi: 10.1093/ecco-jcc/jjz027.

<https://academic.oup.com/ecco-jcc/article-lookup/doi/10.1093/ecco-jcc/jjz027>

Chen Y, Jiang H, Xiong J, Shang J, Chen Z, Wu A, Wang H:
Insight into the Molecular Characteristics of Langhans Giant Cell by Combination of Laser Capture Microdissection and RNA Sequencing

Journal of Inflammation Research, 2 Feb 2022, Vol. 15, DOI: <https://doi.org/10.2147/JIR.S337241>

<https://doi.org/10.2147/JIR.S337241>

Chen YB, Jiang B, Zhuang K, Wang H, Peng HM, Zhong BW, Xie WT, Chen KW, Zou TT, Wang Y, Yang HL, Yang Q, Zhou J, Zhong L, Zhang LH, Zhang J:

Hyperactivity of subicular parvalbumin interneurons drives early amyloid pathology and cognitive deficits in Alzheimer's disease

Mol Psychiatry. 2025 Sep 6. doi: 10.1038/s41380-025-03217-4.

<https://doi.org/10.1038/s41380-025-03217-4>

Chika N, Eguchi H, Kumamoto K, Suzuki O, Ishibashi K, Tachikawa T, Akagi K, Tamaru JI, Okazaki Y, Ishida H:

Prevalence of Lynch syndrome and Lynch-like syndrome among patients with colorectal cancer in a Japanese hospital-based population

Jpn J Clin Oncol. 2016 Dec 4.

<http://jjco.oxfordjournals.org/content/early/2016/12/04/jjco.hyw178.abstract>

Chiappetta C, Proietti I, Soccodato V, Puggioni C, Zaralli R, Pacini L, Porta N, Skroza N, Petrozza V, Potenza C, Rocca CD, Di Cristofano C:

BRAF and NRAS Mutations are Heterogeneous and Not Mutually Exclusive in Nodular Melanoma

Applied Immunohistochemistry & Molecular Morphology, doi: 10.1097/PAI.0000000000000071

http://journals.lww.com/appliedimmunohist/Abstract/publishahead/BRAF_and_NRAS_Mutations_are_Heterogeneous_and_Not.99403.aspx

Clotet-Freixas S, McEvoy CM, Batruch I, Van J, Pastrello C, Kotlyar M, Arambewela M, Boshart A, Farkona S, Niu Y, Li Y, Famure O, Bozovic A, Kulasingam V, Chen P, Kim J, Chan E, Moshkelgosha S, Martinu T, Juvet S, Jurisica I, Chruscinski A, John R, Konvalinka A:

Proteomics Reveals Extracellular Matrix Injury in the Glomeruli and Tubulointerstitium of Kidney Allografts with Early Antibody-Mediated Rejection

bioRxiv 2020.03.03.975672; doi: <https://doi.org/10.1101/2020.03.03.975672>

<https://www.biorxiv.org/content/10.1101/2020.03.03.975672v1.full>

Colombat M, Barres B, Renaud C, Ribes D, Pericard S, Camus M, Anesia R, van Acker N, Chauveau D, Burlet-Schiltz O, Brousset P, Valleix S:

Mass spectrometry-based proteomic analysis of parathyroid adenomas reveals PTH as a new human hormone-derived amyloid fibril protein

Amyloid. 2021 Feb 13:1-5. doi: 10.1080/13506129.2021.1885023.

<https://www.tandfonline.com/doi/abs/10.1080/13506129.2021.1885023>

Confavreux CB, Girard N, Pialat J-P, Bringuier P-P, Shisheboran MD, Rousseau J-C, Isaac S, Thivolet-Bejui F, Clezardin P, and Brevet M:

Mutational profiling of bone metastases from lung adenocarcinoma: results of a prospective study (POUMOS-TEC)

BoneKEy Reports 3, Article number: 580 (2014) | doi:10.1038/bonekey.2014.75

<http://www.nature.com/bonekeyreports/2014/141001/bonekey201475/pdf/bonekey201475.pdf>

Connor AA, Denroche RE, Jang GH, Timms L, Kalimuthu SN, Selander I, McPherson T, Wilson GW, Chan-Seng-Yue MA, Borozan I, Ferretti V, Grant RC, Lungu IM, Costello E, Greenhalf W, Palmer D, Ghaneh P, Neoptolemos JP, Buchler M, Petersen G, Thayer S, Hollingsworth MA, Sherker A, Durocher D, Dhani N, Hedley D, Serra S, Pollett A, Roehrl MH, Bavi P, Bartlett JM, Cleary S, Wilson JM, Alexandrov LB, Moore M, Wouters BG, McPherson JD, Notta F, Stein LD, Gallinger S:

Association of Distinct Mutational Signatures With Correlates of Increased Immune Activity in Pancreatic Ductal Adenocarcinoma

JAMA Oncol. 2016 Oct 20. doi: 10.1001/jamaoncol.2016.3916

<http://oncology.jamanetwork.com/article.aspx?doi=10.1001/jamaoncol.2016.3916>

Coope RJ, Schlosser C, Corbett RD, Pleasance S, Tessier-Cloutier B, Pandoh P, Kirk H, Haile S, Zhao Y, Mungall AJ, Marra MA:

Whole-slide laser microdissection for tumour enrichment.

J Pathol. 2020 Nov 2. doi: 10.1002/path.5575.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/path.5575>

Coorens THH, Oliver TRW, Sanghvi R, Sovio U, Cook E, Vento-Torno R, Haniffa M, Young MD, Rahbari R, Sebire N, Campbell PJ, Charnock-Jones DS, Smith GCS, Behjati S:

Somatic mutations reveal widespread mosaicism and mutagenesis in human placentas

bioRxiv, 27 Jan 2021, doi: <https://doi.org/10.1101/2021.01.26.428217>

<https://www.biorxiv.org/content/biorxiv/early/2021/01/27/2021.01.26.428217.full.pdf>

Corvigno S, Badal S, Spradlin ML, Keating M, Pereira I, Stur E, Bayraktar E, Foster KI, Bateman NW, Barakat W, Darcy KM, Conrads TP, Maxwell GL, Lorenzi PL, Lutgendorf SK, Wen Y, Zhao L, Thaker PH, Goodheart MJ, Liu J, Fleming N, Lee S, Eberlin LS, Sood AK:

In situ profiling reveals metabolic alterations in the tumor microenvironment of ovarian cancer after chemotherapy

NPJ Precis Oncol. 2023 Nov 3;7(1):115. doi: 10.1038/s41698-023-00454-0.

<https://www.nature.com/articles/s41698-023-00454-0>

Cotoi CG, Khorsandi SE, Pleşea IE, Quaglia A:

Whole-genome DASL gene expression profiling of hepatocellular carcinoma sub-populations isolated by laser microdissection on formalin-fixed and paraffin-embedded liver tissue samples

Rom J Morphol Embryol. 2012;53(4):893-902.

<http://www.rjme.ro/RJME/resources/files/530412893902.pdf>

Credle JJ, Itoh CY, Yaun T, Sharma R, Scott ER, Workman RE, Fan Y, Housseau F, Llosa NJ, Bell WR, Miller H, Zhang SX, Timp W, and Larman HB:

Multiplexed analysis of fixed tissue RNA using Ligation in situ Hybridization

Nucleic Acids Res 2017 gkx471. doi: 10.1093/nar/gkx471

<https://academic.oup.com/nar/article/doi/10.1093/nar/gkx471/3858200/Multiplexed-analysis-of-fixed-tissue-RNA-using>

D'Arrigo, A., Belluco, C., Ambrosi, A., Digito, M., Esposito, G., Bertola, A., Fabris, M., Nofrate, V., Mammano, E., Leon, A., Nitti, D., and Lise, M.:

Metastatic transcriptional pattern revealed by gene expression profiling in primary colorectal carcinoma

Int J Cancer 115(2): 256-262 (2005)

<http://onlinelibrary.wiley.com/doi/10.1002/ijc.20883/full>

Dasari S, Amin MS, Kurtin PJ, Vrana JA, Theis JD, Grogg KL, Alexander MP, Nasr SH, Fervenza FC, Leung N, Sethi S:

Clinical, biopsy, and mass spectrometry characteristics of renal apolipoprotein A-IV amyloidosis

Kidney Int. 2016 Jun 2. pii: S0085-2538(16)30130-2. doi: 10.1016/j.kint.2016.04.003.

[http://www.kidney-international.org/article/S0085-2538\(16\)30130-2/fulltext](http://www.kidney-international.org/article/S0085-2538(16)30130-2/fulltext)

Dasari S, Theis JD, Vrana JA, Zenka RM, Zimmermann MT, Kocher JP, Highsmith Jr WE, Kurtin PJ, Dogan A:

Clinical proteome informatics workbench detects pathogenic mutations in hereditary amyloidoses

J Proteome Res. 2014 Mar 20.

<http://dx.doi.org/10.1021/pr4011475>

Datta M, Via LE, Dartois V, Weiner DM, Zimmerman M, Kaya F, Walker AM, Fleegle JD, Raplee ID, McNinch C, Zarodniuk M, Kamoun WS, Yue C, Kumar AS, Subudhi S, Xu L, Barry CE 3rd, Jain RK:

Normalizing granuloma vasculature and matrix improves drug delivery and reduces bacterial burden in tuberculosis-infected rabbits

Proc Natl Acad Sci U S A. 2024 Apr 2;121(14):e2321336121. doi: 10.1073/pnas.2321336121.

<https://doi.org/10.1073/pnas.2321336121>

de la Cuesta F, Mourino-Alvarez L, Baldan-Martin M, Moreno-Luna R, Barderas MG:

Contribution of proteomics to the management of vascular disorders

Translational Proteomics, 2014, Oct 28, DOI: 10.1016/j.trprot.2014.10.002

<http://www.sciencedirect.com/science/article/pii/S2212963414000114>

De Santis S, Galleggiante V, Scandiffio L, Liso M, Sommella E, Sobolewski A, Spilotro V, Pinto A, Campiglia P, Serino G, Santino A, Notarnicola M, Chieppa M:

Secretory Leukoprotease Inhibitor (Slpi) Expression Is Required for Educating Murine Dendritic Cells Inflammatory Response Following Quercetin Exposure

Nutrients. 2017 Jul 6;9(7). pii: E706. doi: 10.3390/nu9070706.

<http://www.mdpi.com/resolver?pii=nu9070706>

Dela Cruz A, Kartha V, Tilston-Lunel A, Mi R, Reynolds TL, Mingueneau M, Monti S, Jensen JL, Skarstein K, Varelas X, Kukuruzinska MA:

Gene expression alterations in salivary gland epithelia of Sjögren's syndrome patients are associated with clinical and histopathological manifestations

Sci Rep. 2021 May 27;11(1):11154. doi: 10.1038/s41598-021-90569-w.

<https://www.nature.com/articles/s41598-021-90569-w>

Deyarmin B, Kane JL, Valente AL, van Laar R, Gallagher C, Shriver CD, Ellsworth RE:

Effect of ASCO/CAP Guidelines for Determining ER Status on Molecular Subtype

Ann Surg Oncol. 2012 Aug 9. [Epub ahead of print]

<http://dx.doi.org/10.1245/s10434-012-2588-8>

Dienel SJ, Bazmi HH, Lewis DA:

Development of transcripts regulating dendritic spines in layer 3 pyramidal cells of the monkey prefrontal cortex: Implications for the pathogenesis of schizophrenia

Neurobiol Dis. 2017 May 30. pii: S0969-9961(17)30125-0. doi: 10.1016/j.nbd.2017.05.016.

[https://linkinghub.elsevier.com/retrieve/pii/S0969-9961\(17\)30125-0](https://linkinghub.elsevier.com/retrieve/pii/S0969-9961(17)30125-0)

Djidja MC, Chang J, Hadjiprocopis A, Schmich F, Sinclair J, Mršnik M, Schoof EM, Barker HE, Linding R, Jorgensen C, Erler JT:

Identification of hypoxia-regulated proteins using MALDI-Mass Spectrometry Imaging combined with quantitative proteomics

J Proteome Res. 2014 Apr 7

<http://dx.doi.org/10.1021/pr401056c>

Dogan, A:

Classification of Amyloidosis by Mass Spectrometry-Based Proteomics

Current Clinical Pathology, 2012, Part 3, 261-272, DOI: 10.1007/978-1-60761-389-3_21

<http://www.springerlink.com/content/r61x186030018128/>

Dowling KF, Dienel SJ, Barile Z, Bazmi HH, Lewis DA:
Localization and Diagnostic Specificity of Glutamic Acid Decarboxylase Transcript Alterations in the Dorsolateral Prefrontal Cortex in Schizophrenia

Biol Psychiatry. 2023 Apr 13:S0006-3223(23)01199-X. doi: 10.1016/j.biopsych.2023.04.003.
<https://doi.org/10.1016/j.biopsych.2023.04.003>

D'Souza A, Theis J, Quint P, Kyle R, Gertz M, Zeldenrust S, Vrana J, Dogan A, Dispenzieri A:
Exploring the amyloid proteome in immunoglobulin-derived lymph node amyloidosis using laser microdissection/tandem mass spectrometry

Am J Hematol. 2013 Apr 20. doi: 10.1002/ajh.23456.
<http://dx.doi.org/10.1002/ajh.23456>

D'Souza A, Theis J, Vrana J, and Dogan A:

Drug-Induced Amyloidosis: A Proteomic Insight Into 52 Cases

Blood, October 21, 2013 vol. 122 no. 21 1871

<http://bloodjournal.hematologylibrary.org/content/122/21/1871.short>

D'Souza A, Theis JD, Vrana JA, Dogan A:

Pharmaceutical amyloidosis associated with subcutaneous insulin and enfuvirtide administration
Amyloid. 2014 Jan 22.

<http://informahealthcare.com/doi/abs/10.3109/13506129.2013.876984>

Du X, Ma X, Tan Y, Shao F, Li C, Zhao Y, Miao Y, Han L, Dang G, Song Y, Yang D, Deng Z, Wang Y, Jiang C, Kong W, Feng J, Wang X:

B cell-derived anti-beta 2 glycoprotein I antibody mediates hyperhomocysteinemia-aggravated hypertensive glomerular lesions by triggering ferroptosis

Signal Transduct Target Ther. 2023 Mar 13;8(1):103. doi: 10.1038/s41392-023-01313-x.

<https://www.nature.com/articles/s41392-023-01313-x>

Dzamukova M, Brunner TM, Miotla-Zarebska J, Heinrich F, Brylka L, Mashregi M-F, Anjali Kusumbe, Kühn R, Schinke T, Vincent TL, and Löhning M:

Mechanical forces switch blood vessel subtypes to arrest adolescent bone growth

Research Square, V1, 12 Jan 2021, DOI: 10.21203/rs.3.rs-120475/v1

<https://www.researchsquare.com/article/rs-120475/v1>

Egbelowo O, Sarathy JP, Gausi K, Zimmerman MD, Wang H, Wijnant GJ, Kaya F, Gengenbacher M, Van N, Degefu Y, Nacy C, Aldridge BB, Carter CL, Denti P, Dartois V:

Pharmacokinetics and target attainment of SQ109 in plasma and human-like tuberculosis lesions in rabbits

Antimicrob Agents Chemother. 2021 Jul 6:AAC0002421. doi: 10.1128/AAC.00024-21.

<https://journals.asm.org/doi/pdf/10.1128/AAC.00024-21>

Eggers B, Schork K, Turewicz M, Barkovits K, Eisenacher M, Schröder R, Clemen CS, Marcus K:

Fiber Type-Specific Proteomic Alterations in R349P Desminopathy Mice

Muscle Nerve. 2025 Mar 3. doi: 10.1002/mus.28379.

<https://doi.org/10.1002/mus.28379>

El-Azzamy H, Balogh A, Romero R, Xu Y, LaJeunesse C, Plazyo O, Xu Z, Price TG, Dong Z, Tarca AL, Papp Z, Hassan SS, Chaiworapongsa T, Kim CJ, Gomez-Lopez N, Than NG:

Characteristic Changes in Decidual Gene Expression Signature in Spontaneous Term Parturition
J Pathol Transl Med. 2017 Feb 22. doi: 10.4132/jptm.2016.12.20.

<http://www.jpatholtranslmed.org/journal/view.php?doi=10.4132/jptm.2016.12.20>

Ellsworth RE, Field LA, Love B, Kane JL, Hooke JA, and Shriver CD:

Differential Gene Expression in Primary Breast Tumors Associated with Lymph Node Metastasis

Int J Breast Cancer Volume 2011 (2011), Article ID 142763, 7 pages

<http://www.sage-hindawi.com/journals/ijbc/2011/142763/abs/>

Elser BA, Kayali K, Dhakal R, O'Hare B, Wang K, Lehmler HJ, Stevens HE:

Combined maternal exposure to cypermethrin and stress affect embryonic brain and placental outcomes in mice

Toxicol Sci. 2020 Mar 19. pii: kfaa040. doi: 10.1093/toxsci/kfaa040.

<https://academic.oup.com/toxsci/article-lookup/doi/10.1093/toxsci/kfaa040>

Erben R, Latic N, Sun N, Buck A, Zupcic A, Hofer M, Chang W, Walch A, Grabner A:

Deletion of Cardiac Fgf23 Impairs Myocardial Energy Metabolism and Ameliorates Fibrosis in a Pressure Overload Model in Mice

Research Square, Dec 22nd 2023

<https://doi.org/10.21203/rs.3.rs-3705542/v1>

Eriksen AHM, Sørensen FB, Andersen RF, Jakobsen A, Hansen TF:

Association between the expression of microRNAs and the response of patients with locally advanced rectal cancer to preoperative chemoradiotherapy

Oncology Letters, 14, 201-209. <https://doi.org/10.3892/ol.2017.6141>

<https://www.spandidos-publications.com/10.3892/ol.2017.6141>

Ernest JP, Sarathy J, Wang N, Kaya F, Zimmerman MD, Strydom N, Wang H, Xie M, Gengenbacher M, Via LE, Barry CE 3rd, Carter CL, Savic RM, Dartois V:

Lesion penetration and activity limit the utility of second-line injectable agents in pulmonary tuberculosis.

Antimicrob Agents Chemother. 2021 Jul 12;AAC0050621. doi: 10.1128/AAC.00506-21.

<https://journals.asm.org/doi/pdf/10.1128/AAC.00506-21>

Errea A, González Maciel D, Hiriart Y, Hozbor D, Rumbo M:

Intranasal administration of TLR agonists induces a discriminated local innate response along murine respiratory tract

Immunol Lett. 2015 Jan 28. pii: S0165-2478(15)00005-X. doi: 10.1016/j.imlet.2015.01.004.

[http://linkinghub.elsevier.com/retrieve/pii/S0165-2478\(15\)00005-X](http://linkinghub.elsevier.com/retrieve/pii/S0165-2478(15)00005-X)

Eslami A, Miyaguchi K, Mogushi K, Watanabe H, Okada N, Shibuya H, Mizushima H, Miura M, Tanaka H:

PARVB overexpression increases cell migration capability and defines high risk for endophytic growth and metastasis in tongue squamous cell carcinoma

Br J Cancer. 2014 Nov 25. doi: 10.1038/bjc.2014.590.

<http://www.nature.com/bjc/journal/vaop/ncurrent/full/bjc2014590a.html>

Eguchi H, Kumamoto K, Suzuki O, Kohda M, Tada Y, Okazaki Y, Ishida H:

Identification of a Japanese Lynch syndrome patient with large deletion in the 3' region of the EPCAM gene

Jpn J Clin Oncol. 2015 Nov 27. pii: hyv172.

<http://jjco.oxfordjournals.org/cgi/lookup?view=long&pmid=26613680>

Evans GE, Martínez-Conejero JA, Phillipson GT, Simón C, McNoe LA, Sykes PH, Horcajadas JA, Lam EY, Print CG, Sin IL, Evans JJ:

Gene and protein expression signature of endometrial glandular and stromal compartments during the window of implantation

Fertil Steril. 2012 Jun;97(6):1365-73.e1-2. doi: 10.1016/j.fertnstert.2012.03.007.

[http://linkinghub.elsevier.com/retrieve/pii/S0015-0282\(12\)00321-4](http://linkinghub.elsevier.com/retrieve/pii/S0015-0282(12)00321-4)

Evans GE, Phillipson GT, Sin IL, Frampton CM, Kirker JA, Bigby SM, Evans JJ:

Gene expression confirms a potentially receptive endometrium identified by histology in fertile women

Hum Reprod. 2012 Sep;27(9):2747-55. doi: 10.1093/humrep/des233.
<http://humrep.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=22740499>

Fedrigo M, Poli F, Esposito G, Feltrin G, Toscano G, d'Agostino C, Schiavon B, Gerosa G, Amadori A, Valente M, Thiene G, Angelini A:

HLA-DRB1 Typing by Micro-Bead Array Assay Identifies the Origin of Early Lymphoproliferative Disorder in a Heart Transplant Recipient

Am J Transplant. 2013 Jan 17. doi: 10.1111/ajt.12063.
<http://dx.doi.org/10.1111/ajt.12063>

Feldiorean A, Bena J, Nakashima MO, McShane AJ, Cotta CV:

Formalin-Fixation Followed by Paraffin-Embedding Allows Long-Term Storage of Proteins for Liquid Chromatography Tandem Mass Spectrometry Analysis

Lab Invest. 2023 Jul 28:100224. doi: 10.1016/j.labinv.2023.100224.
<https://doi.org/10.1016/j.labinv.2023.100224>

Feldkirchner S, Schessl J, Müller S, Schoser B, Hanisch FG:

Patient-specific protein aggregates in myofibrillar myopathies: laser microdissection and differential proteomics for identification of plaque components

Proteomics. 2012 Dec;12(23-24):3598-609. doi: 10.1002/pmic.201100559.
<http://onlinelibrary.wiley.com/doi/10.1002/pmic.201100559/abstract>

Feldkirchner S, Walter MC, Müller S, Kubny C, Krause S, Kress W, Hanisch FG, Schoser B, Schessl J:
Proteomic characterization of aggregate components in an intrafamilial variable FHL1-associated myopathy

Neuromuscul Disord. 2013 May;23(5):418-26. doi: 10.1016/j.nmd.2013.02.006.
[http://linkinghub.elsevier.com/retrieve/pii/S0960-8966\(13\)00062-X](http://linkinghub.elsevier.com/retrieve/pii/S0960-8966(13)00062-X)

Felwick RK, Dingley GJR, Martinez-Nunez R, Sanchez-Elsner T, Cummings JRF, Collins JE:

MicroRNA23a Overexpression in Crohn's Disease Targets Tumour Necrosis Factor Alpha Inhibitor Protein 3, Increasing Sensitivity to TNF and Modifying the Epithelial Barrier

J Crohns Colitis. 2019 Oct 18. pii: jjz145. doi: 10.1093/ecco-jcc/jjz145.
<https://academic.oup.com/ecco-jcc/article-lookup/doi/10.1093/ecco-jcc/jjz145>

Figuerola JJ, Peter Bosch E, Dyck PJ, Singer W, Vrana JA, Theis JD, Dogan A, Klein CJ:

Amyloid-like IgM deposition neuropathy: a distinct clinico-pathologic and proteomic profile disorder

J Peripher Nerv Syst. 2012 Jun;17(2):182-90. doi: 10.1111/j.1529-8027.2012.00406.x.
<http://onlinelibrary.wiley.com/doi/10.1111/j.1529-8027.2012.00406.x/abstract>

Filograna R, Koolmeister C, Upadhyay M, Pajak A, Clemente P, Wibom R, Simard ML, Wredenberg A, Freyer C, Stewart JB, Larsson NG:

Modulation of mtDNA copy number ameliorates the pathological consequences of a heteroplasmic mtDNA mutation in the mouse

Sci Adv. 2019 Apr 3;5(4):eaav9824. doi: 10.1126/sciadv.aav9824. eCollection 2019 Apr.
<https://advances.sciencemag.org/content/advances/5/4/eaav9824.full.pdf>

Fish RJ, Freire C, Di Sanza C, Neerman-Arbez M:

Venous Thrombosis and Thrombocyte Activity in Zebrafish Models of Quantitative and Qualitative Fibrinogen Disorders

Int J Mol Sci. 2021 Jan 11;22(2):E655. doi: 10.3390/ijms22020655.
<https://www.mdpi.com/1422-0067/22/2/655/htm#app1-ijms-22-00655>

Fox E, Jones R, Samanta R, Summers C:

Characterising the transcriptome of hypersegmented human neutrophils

Wellcome Open Research 2021, 6:343 Last updated: 17 DEC 2021

<https://doi.org/10.12688/wellcomeopenres.17440.1>

Fredman G, Skov L, Mann M, Dyring-Andersen B:

Towards Precision Dermatology: Emerging Role of Proteomic Analysis of the Skin

Dermatology. 2021 Jun 1:1-10. doi: 10.1159/000516764.

<https://www.karger.com/Article/FullText/516764>

Frimer M, Levano KS, Rodriguez-Gabin A, Wang Y, Goldberg GL, Horwitz SB, Hou JY:

Germline mutations of the DNA repair pathways in uterine serous carcinoma

Gynecol Oncol. 2016 Apr;141(1):101-7. doi: 10.1016/j.ygyno.2015.12.034.

[http://linkinghub.elsevier.com/retrieve/pii/S0090-8258\(15\)30237-7](http://linkinghub.elsevier.com/retrieve/pii/S0090-8258(15)30237-7)

Fu Y, Li W, Mai Y, Guan J, Ding R, Hou J, Chen B, Cao G, Sun S, Tang Y, and Fu R:

Association between RMTg Neuropeptide Genes and Negative Effect during Alcohol Withdrawal in Mice

Int. J. Mol. Sci. 2024, 25(5), 2933; <https://doi.org/10.3390/ijms25052933>

<https://doi.org/10.3390/ijms25052933>

Fujii K, Miyata Y, Takahashi I, Koizumi H, Saji H, Hoshikawa M, Takagi M, Nishimura T, Nakamura H

Differential Proteomic Analysis between Small Cell Lung Carcinoma (SCLC) and Pulmonary Carcinoid Tumors Reveals Molecular Signatures for Malignancy in Lung Cancer

Proteomics Clin Appl. 2018 Nov;12(6):e1800015. doi: 10.1002/prca.201800015.

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/prca.201800015>

Funahashi Y, Takahashi R, Mizoguchi S, Suzuki T, Takaoka E, Ni J, Wang Z, DeFranco DB, de Groat WC, Tyagi P, Yoshimura N:

Bladder overactivity and afferent hyperexcitability induced by prostate-to-bladder cross-sensitization in rats with prostatic inflammation

J Physiol. 2019 Jan 22. doi: 10.1113/JP277452.

<https://physoc.onlinelibrary.wiley.com/doi/abs/10.1113/JP277452>

Funel N, Giovannetti E, Pollina LE, Del Chiaro M, Mosca F, Boggi U, Campani D:

Critical role of laser microdissection for genetic, epigenetic and proteomic analyses in pancreatic cancer

Expert Rev Mol Diagn. 2011 Sep;11(7):695-701

http://www.expert-reviews.com/doi/abs/10.1586/erm.11.62?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed

Funel N, Maftouh M, Faviana P, Avan A, Pollina LE, Caponi S, Milella M, Cantore M, Pacetti P, Mambrini A, Vasile E, Reni M, Boggi U, Campani D, Giovannetti E:

EZH2 Expression and Polymorphisms in Advanced Pancreatic Cancer

JOP. Journal of the Pancreas, Vol 14, No 5S (2013)

<http://dx.doi.org/10.6092%2F1590-8577%2F1776>

Funk T, Lim Y, Kulungowski AM, Prok L, Crombleholme TM, Choate K, Bruckner AL:

Symptomatic Congenital Hemangioma and Congenital Hemangiomatosis Associated With a Somatic Activating Mutation in GNA11

JAMA Dermatol. 2016 Jul 20. doi: 10.1001/jamadermatol.2016.2365.

<http://archderm.jamanetwork.com/article.aspx?articleid=2536060>

Gaillot-Durand L, Patrier S, Aziza J, Devisme L, Riera A-C, Marcorelles P, Pelluard F, Gasser B, Mauduit C, Hajri T, Massardier J, Bolze P-A, Golfier F, Devouassoux-Shisheboran M, Allias F:

p57-discordant villi in hydropic products of conception: a clinicopathological study of 70 cases

Human Pathology, 6 May 2020, ISSN 0046-8177

<http://www.sciencedirect.com/science/article/pii/S0046817720300800>

Gansevoort M, Oostendorp C, Bouwman LF, Tiemessen DM, Geutjes PJ, Feitz WFJ, van Kuppevelt TH, Daamen WF:

Collagen-Heparin-FGF2-VEGF Scaffolds Induce a Regenerative Gene Expression Profile in a Fetal Sheep Wound Model

Tissue Eng Regen Med. 2024 Aug 31. doi: 10.1007/s13770-024-00667-9.

<https://doi.org/10.1007/s13770-024-00667-9>

García-Berrocoso T, Giralt D, Llombart V, Bustamante A, Penalba A, Flores A, Ribó M, Molina CA, Rosell A, Montaner J:

Chemokines after human ischemic stroke: from neurovascular unit to blood using protein arrays

Translational Proteomics, 2014 12 Mar, <http://dx.doi.org/10.1016/j.trprot.2014.03.001>

<http://www.sciencedirect.com/science/article/pii/S2212963414000035>

García-Berrocoso T, Llombart V, Colàs-Campàs L, Hainard A, Licker V, Penalba A, Ramiro L, Simats A, Bustamante A, Martínez-Saez E, Canals F, Sanchez JC, Montaner J:

Single Cell Immuno-laser Microdissection Coupled to Label-free Proteomics to Reveal the Proteotypes of Human Brain Cells After Ischemia

Mol Cell Proteomics. 2017 Nov 13. pii: mcp.RA117.000419. doi: 10.1074/mcp.RA117.000419.

<http://www.mcponline.org/cgi/pmidlookup?view=long&pmid=29133510>

García-García AB, Gómez-Mateo MC, Hilario R, Rentero-Garrido P, Martínez-Domenech A, Gonzalez-Albert V, Cervantes A, Marín-García P, Chaves FJ, Ferrández-Izquierdo A, Sabater L:

mRNA expression profiles obtained from microdissected pancreatic cancer cells can predict patient survival

Oncotarget. 2017 Aug 3;8(62):104796-104805. doi: 10.18632/oncotarget.20076. eCollection 2017 Dec 1.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5739601/pdf/oncotarget-08-104796.pdf>

Garshick MS, Nikain C, Tawil M, Pena S, Barrett TJ, Wu BG, Gao Z, Blaser MJ, Fisher EA:

Reshaping of the gastrointestinal microbiome alters atherosclerotic plaque inflammation resolution in mice

Sci Rep. 2021 Apr 26;11(1):8966. doi: 10.1038/s41598-021-88479-y.

<https://www.nature.com/articles/s41598-021-88479-y>

Gengenbacher M, Zimmerman MD, Sarathy JP, Kaya F, Wang H, Mina M, Carter C, Hossen MA, Su H, Trujillo C, Ehrt S, Schnappinger D, Dartois V:

Tissue distribution of doxycycline in animal models of tuberculosis

Antimicrob Agents Chemother. 2020 Feb 10. pii: AAC.02479-19. doi: 10.1128/AAC.02479-19.

<http://aac.asm.org/cgi/pmidlookup?view=long&pmid=32041718>

Ghosh D, Ulasov IV, Chen L, Harkins LE, Wallenborg K, Hothi P, Rostad S, Hood L, Cobbs CS:

TGFβ-Responsive HMOX1 Expression Is Associated with Stemness and Invasion in Glioblastoma Multiforme

Stem Cells. 2016 Jun 29. doi: 10.1002/stem.2411.

<http://dx.doi.org/10.1002/stem.2411>

Gibier JB, Perbet R, Lopez B, Colombat M, Dubois R, Humez S, Terriou L, Copin MC, Gnemmi V:

Paraffin Immunofluorescence Increases Light-Chain Detection in Extra-Renal Light Chain Amyloidosis and Other Light-Chain-Associated Diseases

Arch Pathol Lab Med. 2020 Jun 15. doi: 10.5858/arpa.2020-0018-OA.

<https://www.archivesofpathology.org/doi/pdf/10.5858/arpa.2020-0018-OA>

Gil-Gómez G, Fassan M, Nonell L, Garrido M, Climent M, Anglada R, Iglesias M, Guzzardo V, Borga C, Grande L, de Bolós C, Pera M:
miR-24-3p regulates CDX2 during intestinalization of cardiac-type epithelium in a human model of Barrett's esophagus.

Dis Esophagus. 2021 Feb 9;doab005. doi: 10.1093/dote/doab005.

<https://academic.oup.com/dote/advance-article-abstract/doi/10.1093/dote/doab005/6131383>

Gilbertson JA, Theis JD, Vrana JA, Lachmann H, Wechalekar A, Whelan C, Hawkins PN, Dogan A, Gillmore JD:

A comparison of immunohistochemistry and mass spectrometry for determining the amyloid fibril protein from formalin-fixed biopsy tissue

J Clin Pathol. 2015 Jan 30. pii: jclinpath-2014-202722. doi: 10.1136/jclinpath-2014-202722.

<http://jcp.bmj.com/cgi/pmidlookup?view=long&pmid=25637636>

Gillard M, Lack J, Pontier A, Gandla D, Hatcher D, Sowalsky AG, Rodriguez-Nieves J, Vander Griend D, Paner G, VanderWeele D:

Integrative Genomic Analysis of Coincident Cancer Foci Implicates CTNNB1 and PTEN Alterations in Ductal Prostate Cancer

Eur Urol Focus. 2017 Dec 8. pii: S2405-4569(17)30272-9. doi: 10.1016/j.euf.2017.12.003.

[http://www.eu-focus.europeanurology.com/article/S2405-4569\(17\)30272-9/fulltext](http://www.eu-focus.europeanurology.com/article/S2405-4569(17)30272-9/fulltext)

Gilley J, Li H, Kaul A, Keswani S:

The Role of Endothelial to Mesenchymal Transition in Congenital Diaphragmatic Hernia Pulmonary Hypertension

Symposia Poster

<https://www.texaschildrens.org/sites/default/files/uploads/documents/symposia/srd/posters/2.pdf>

Gilling CE, Mittal AK, Chaturvedi NK, Iqbal J, Aoun P, Bierman PJ, Bociek RG, Weisenburger DD, Joshi SS:

Lymph node-induced immune tolerance in chronic lymphocytic leukaemia: a role for caveolin-1

Br J Haematol. 2012 May 10. doi: 10.1111/j.1365-2141.2012.09148.x.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2141.2012.09148.x/abstract>

Giovannetti, E., Del Tacca, M., Mey, V., Funel, N., Nannizzi, S., Ricci, S., Orlandini, C., Boggi, U., Campani, D., Del Chiaro, M., Iannopollo, M., Bevilacqua, G., Mosca, F., and Danesi, R.:

Transcription analysis of human equilibrative nucleoside transporter-1 predicts survival in pancreas cancer patients treated with gemcitabine

Cancer Res 66(7): 3928-3935 (2006)

<http://cancerres.aacrjournals.org/content/66/7/3928.long>

Giovannetti E, van der Velde A, Funel N, Vasile E, Perrone V, Leon LG, De Lio N, Avan A, Caponi S, Pollina LE, Gallá V, Sudo H, Falcone A, Campani D, Boggi U, Peters GJ:

High-Throughput MicroRNA (miRNAs) Arrays Unravel the Prognostic Role of MiR-211 in Pancreatic Cancer

PLoS One. 2012;7(11):e49145. doi: 10.1371/journal.pone.0049145. Epub 2012 Nov 14.

<http://dx.plos.org/10.1371/journal.pone.0049145>

Giovannetti E, Wang Q, Avan A, Funel N, Lagerweij T, Lee JH, Caretti V, van der Velde A, Boggi U, Wang Y, Vasile E, Peters GJ, Wurdinger T, Giaccone G:

Role of CYB5A in Pancreatic Cancer Prognosis and Autophagy Modulation

J Natl Cancer Inst. 2013 Dec 3.

<http://jnci.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=24301457>

Gniadecki R, Iyer A, Hennessey D, Khan L, O'Keefe S, Redmond D, Storek J, Durand C, Cohen-Tervaert JW, Osman M:

Genomic instability in early systemic sclerosis

J Autoimmun. 2022 Jul 6;131:102847. doi: 10.1016/j.jaut.2022.102847.
<https://doi.org/10.1016/j.jaut.2022.102847>

Golbar HM, Izawa T, Bondoc A, Wijesundera KK, Tennakoon AH, Kuwamura M, Yamate J:

Attenuation of alpha-naphthylisothiocyanate (ANIT)-induced biliary fibrosis by depletion of hepatic macrophages in rats

Exp Toxicol Pathol. 2017 Jan 31. pii: S0940-2993(16)30212-3. doi: 10.1016/j.etp.2017.01.005.
[https://linkinghub.elsevier.com/retrieve/pii/S0940-2993\(16\)30212-3](https://linkinghub.elsevier.com/retrieve/pii/S0940-2993(16)30212-3)

Gormley M, Ona K, Kapidzic M, Garrido-Gomez T, Zdravkovic T, Fisher SJ:

Preeclampsia: Novel Insights from Global RNA Profiling of Trophoblast Subpopulations

Am J Obstet Gynecol. 2017 Mar 24. pii: S0002-9378(17)30441-6. doi: 10.1016/j.ajog.2017.03.017.
<http://www.sciencedirect.com/science/article/pii/S0002937817304416>

Gong L, Li Y, Li X, Tu Q, Mou X, Wang S, Wan Y, Lu Q, Wang J, Zhang W, Zhu S, Han X, Yao L, Zhang J, Huang G, Zhang W:

Detection of human parvovirus B19 infection in the thymus of patients with thymic hyperplasia-associated myasthenia gravis

Clin Microbiol Infect. 2018 Apr 9. pii: S1198-743X(18)30298-2. doi: 10.1016/j.cmi.2018.03.036.
[http://www.clinicalmicrobiologyandinfection.com/article/S1198-743X\(18\)30298-2/fulltext](http://www.clinicalmicrobiologyandinfection.com/article/S1198-743X(18)30298-2/fulltext)

Gotoh O, Sugiyama Y, Takazawa Y, Kato K, Tanaka N, Omatsu K, Takeshima N, Nomura H, Hasegawa K, Fujiwara K, Taki M, Matsumura N, Noda T, Mori S:

Clinically relevant molecular subtypes and genomic alteration-independent differentiation in gynecologic carcinosarcoma

Nat Commun. 2019 Oct 31;10(1):4965. doi: 10.1038/s41467-019-12985-x.
<https://www.nature.com/articles/s41467-019-12985-x>

Govaere O, Cockell S, Van Haele M, Wouters J, Van Delm W, Van den Eynde K, Bianchi A, van Eijnsden R, Van Steenberghe W, Monbaliu D, Nevens F, Roskams T:

High-throughput sequencing identifies aetiology-dependent differences in ductular reaction in human chronic liver disease

J Pathol. 2018 Dec 25. doi: 10.1002/path.5228.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/path.5228>

Gozalbes Esterelles L:

Determinación de la actuación de los bloqueadores beta adrenérgicos sobre la vasodilatación producida por las catecolaminas en la microcirculación de tejidos cutáneos in vitro

thesis (Spanish language), 2021

<https://roderic.uv.es/bitstream/handle/10550/79872/Impresi%C3%B3n%20Tesis%20Doctoral%20Laurabel%20Gozalbes%20Esterelles%20-%20copia.pdf>

Grinstein JD:

Here, There, and Everywhere: Somatic Genomics Uncovers DNA Variants to Inspire Drug Discovery

GEN Biotechnology, Volume 3, Number 2, 2024 ©Mary Ann Liebert, Inc.
<https://doi.org/10.1089/genbio.2024.29137.jdg58>

Gu-Qing Z, Ai-Lan C, Hong Y, Mao-Yu L, Guo-Qing L, Jian-Ling L, Li L:

Quantitative Proteomic Study for Various Stage Tissues of Human Bronchial Epithelial Carcinogenesis by Laser Capture Microdissection

Prog. Biochem. Biophys. 2013; 40 (6)
http://www.pibb.ac.cn/pibben/ch/reader/view_abstract.aspx?file_no=20120474&flag=2

Guagliardo NA, Yao J, Stipes EJ, Cechova S, Le TH, Bayliss DA, Breault DT, Barrett PQ:
Adrenal Tissue-Specific Deletion of TASK Channels Causes Aldosterone-Driven Angiotensin II-Independent Hypertension

Hypertension. 3 DEC 2018;0:HYPERTENSIONAHA.118.11962

<https://www.ahajournals.org/doi/abs/10.1161/HYPERTENSIONAHA.118.11962>

Guo Y, Min J, Chang B, Liu L, Zhang J, Chen W:

Modulation of podocyte extracellular matrix remodeling in membranous nephropathy by the NFATc3/LRRc55/BK channel pathway

J Cell Commun Signal. 2025 Jun 13;19(2):e70022. doi: 10.1002/ccs3.70022.

<https://doi.org/10.1002/ccs3.70022>

Hagen CE, Dasari S, Theis JD, Rech K, Dao L, Howard M, Larson DP, Nasr SH, Dispenzieri A, Chiu A, Dalland J, Gertz M, Kourelis T, Muchtar E, Vrana JA, McPhail ED:

Gallbladder amyloidosis is often unexpected and may have systemic implications

Am J Clin Pathol. 2025 Aug 29;aqaf090. doi: 10.1093/ajcp/aqaf090.

<https://doi.org/10.1093/ajcp/aqaf090>

Haku S, Wakui H, Azushima K, Haruhara K, Kinguchi S, Ohki K, Uneda K, Kobayashi R, Matsuda M, Yamaji T, Yamada T, Minegishi S, Ishigami T, Yamashita A, Ohashi K, Tamura K:

Early Enhanced Leucine-Rich α -2-Glycoprotein-1 Expression in Glomerular Endothelial Cells of Type 2 Diabetic Nephropathy Model Mice

Biomed Res Int. 2018 Nov 1;2018:2817045. doi: 10.1155/2018/2817045. eCollection 2018.

<https://dx.doi.org/10.1155/2018/2817045>

Hamatani H, Eng DG, Kaverina NV, Gross KW, Freedman B, Pippin JW, Shankland SJ:

LINEAGE TRACING AGED MOUSE KIDNEYS SHOWS LOWER NUMBER OF CELLS OF RENIN LINEAGE AND REDUCED RESPONSIVENESS TO RAAS INHIBITION

Am J Physiol Renal Physiol. 2018 Feb 7. doi: 10.1152/ajprenal.00570.2017.

<http://www.physiology.org/doi/abs/10.1152/ajprenal.00570.2017>

Hamilton BR, Marshall DL, Casewell NR, Harrison RA, Blanksby SJ, and Undheim EAB:

Mapping Enzyme Activity on Tissue by Functional Mass Spectrometry Imaging

Angew Chem Int Ed Engl. 2020 Mar 2;59(10):3855-3858. doi: 10.1002/anie.201911390.

<https://onlinelibrary.wiley.com/doi/full/10.1002/anie.201911390>

Han R, Hu S, Qin W, Shi J, Zeng C, Bao H, Liu Z:

Upregulated long noncoding RNA LOC105375913 induces tubulointerstitial fibrosis in focal segmental glomerulosclerosis

Sci Rep. 2019 Jan 24;9(1):716. doi: 10.1038/s41598-018-36902-2.

<http://dx.doi.org/10.1038/s41598-018-36902-2>

Harris JC, Trigg NA, Goshu B, Yokoyama Y, Dohnalová L, White EK, Harman A, Murga-Garrido SM, Ting-Chun Pan J, Bhanap P, Thaiss CA, Grice EA, Conine CC, Kambayashi T:

The microbiota and T cells non-genetically modulate inherited phenotypes transgenerationally

Cell Rep. 2024 Apr 3;43(4):114029. doi: 10.1016/j.celrep.2024.114029.

<https://doi.org/10.1016/j.celrep.2024.114029>

Hasegawa E, Inafuku S, Mulki L, Okunuki Y, Yanai R, Smith KE, Kim CB, Klokman G, Bielenberg DR, Puli N, Falck JR, Husain D, Miller JW, Edin ML, Zeldin DC, Lee KSS, Hammock BD, Schunck WH, Connor KM:

Cytochrome P450 monooxygenase lipid metabolites are significant second messengers in the resolution of choroidal neovascularization

Proc Natl Acad Sci U S A. 2017 Aug 21. pii: 201620898. doi: 10.1073/pnas.1620898114.

www.pnas.org/cgi/doi/10.1073/pnas.1620898114

Hashimoto H, Nomura N, Shoda W, Isobe K, Kikuchi H, Yamamoto K, Fujimaru T, Ando F, Mori T, Okado T, Rai T, Uchida S, Sohara E:

Metformin increases urinary sodium excretion by reducing phosphorylation of the sodium-chloride cotransporter

Metabolism. 2018 Mar 3. pii: S0026-0495(18)30062-3. doi: 10.1016/j.metabol.2018.02.009.
<https://www.sciencedirect.com/science/article/pii/S0026049518300623>

Hawkins MG, Winder DM, Ball SL, Vaughan K, Sonnex C, Stanley MA, Sterling JC, Goon PK:

Detection of specific HPV subtypes responsible for the pathogenesis of condylomata acuminata

Virology J. 2013 May 1;10(1):137.

<http://www.virologyj.com/content/10/1/137>

Hayashi J, Kihara M, Kato H, Nishimura T:

A proteomic profile of synovocyte lesions microdissected from formalin-fixed paraffin-embedded synovial tissues of rheumatoid arthritis.

Clin Proteomics. 2015 Aug 6;12(1):20. doi: 10.1186/s12014-015-9091-8. eCollection 2015.

<http://www.clinicalproteomicsjournal.com/content/12/1/20>

Hayden EY, Putman J, Nunez S, Shin WS, Oberoi M, Charreton M, Dutta S, Li Z, Komuro Y, Joy MT, Bitan G, MacKenzie-Graham A, Jiang L, Hinman JD:

Ischemic axonal injury up-regulates MARK4 in cortical neurons and primes tau phosphorylation and aggregation

Acta Neuropathol Commun. 2019 Aug 20;7(1):135. doi: 10.1186/s40478-019-0783-6.

<https://actaneurocomms.biomedcentral.com/track/pdf/10.1186/s40478-019-0783-6>

Hembrough T, Thyparambil S, Liao WL, Darfler MM, Abdo J, Bengali KM, Taylor P, Tong J, Lara-Guerra H, Waddell TK, Moran MF, Tsao MS, Krizman DB, Burrows J.:

Selected Reaction Monitoring (SRM) Analysis of Epidermal Growth Factor Receptor (EGFR) in Formalin Fixed Tumor Tissue

Clin Proteomics. 2012 May 3;9(1):5. doi: 10.1186/1559-0275-9-5.

<http://www.clinicalproteomicsjournal.com/content/9/1/5>

Herfs M, Longuespée R, Quick CM, Roncarati P, Suarez-Carmona M, Hubert P, Lebeau A, Bruyere D, Mazzucchelli G, Smargiasso N, Baiwir D, Lai K, Dunn A, Obregon F, Yang EJ, De Pauw E, Crum CP, Delvenne P:

Proteomic signatures reveal a dualistic and clinically relevant classification of anal canal carcinoma

J Pathol. 2016 Dec 15. doi: 10.1002/path.4858.

<http://dx.doi.org/10.1002/path.4858>

Hermkens DMA, Stam OCG, de Wit NM, Fontijn RD, Jongejan A, Moerland PD, Mackaaij C, Waas ISE, Daemen MJAP, de Vries HE:

Profiling the unique protective properties of intracranial arterial endothelial cells

Acta Neuropathol Commun. 2019 Oct 14;7(1):151. doi: 10.1186/s40478-019-0805-4.

<https://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-019-0805-4>

Hester AK, Semwal MK, Cepeda S, Xiao Y, Rueda M, Wimberly K, Venables T, Dileepan T, Kraig E, Griffith AV

Redox regulation of age-associated defects in generation and maintenance of T cell self-tolerance and immunity to foreign antigens

Cell Rep. 2022 Feb 15;38(7):110363. doi: 10.1016/j.celrep.2022.110363

<https://www.sciencedirect.com/science/article/pii/S2211124722000845>

Himmelein S, Lindemann A, Sinicina I, Horn AKE, Brandt T, Strupp M, Hüfner K:

Differential involvement during latent HSV-1 infection of the superior and inferior divisions of the vestibular ganglia: implications for vestibular neuritis

J Virol. 2017 Apr 26. pii: JVI.00331-17. doi: 10.1128/JVI.00331-17.
<http://jvi.asm.org/cgi/pmidlookup?view=long&pmid=28446678>

Hoftman GD, Dienel SJ, Bazmi HH, Zhang Y, Chen KLewis DA:

Altered Gradients of Glutamate and GABA Transcripts in the Cortical Visuospatial Working Memory Network in Schizophrenia

Biological Psychiatry, 06 Dec 2017, <http://dx.doi.org/10.1016/j.biopsych.2017.11.029>
[http://www.biologicalpsychiatryjournal.com/article/S0006-3223\(17\)32250-3/fulltext](http://www.biologicalpsychiatryjournal.com/article/S0006-3223(17)32250-3/fulltext)

Honda K, Tasaki M, Yamano T, Ueda M, Naiki H, Tanaka N, Morinaga Y, Miyagawa-Hayashino A:
High frequency of occult transthyretin and apolipoprotein AI-type amyloid in aortic valves removed by valve replacement for aortic stenosis

Amyloid. 2024 Nov 11:1-7. doi: 10.1080/13506129.2024.2426508.
<https://doi.org/10.1080/13506129.2024.2426508>

Hondius DC, Koopmans F, Leistner C, Pita-Illobre D, Peferoen-Baert RM, Marbus F, Paliukhovich I, Li KW, Rozemuller AJM, Hoozemans JJM, Smit AB:

The proteome of granulovacuolar degeneration and neurofibrillary tangles in Alzheimer's disease

Acta Neuropathol. 2021 Jan 25. doi: 10.1007/s00401-020-02261-4.
<https://link.springer.com/article/10.1007/s00401-020-02261-4>

Hong L, Wang L, Wang H, Wang Q, Yang S, Tian T, Cui T, Yue S, Hou X, Zheng Z, Chen W:
Podocyte Infolding Glomerulopathy: A Special Morphology of Podocyte Injury Caused by Heterogeneous Diseases

Kidney International Reports (2023), doi: <https://doi.org/10.1016/j.ekir.2023.09.014>

Honzlová P, Novosadová Z, Houdek P, Sládek M, Sumová A:

Misaligned feeding schedule elicits divergent circadian reorganizations in endo- and exocrine pancreas clocks

Cell Mol Life Sci. 2022 May 27;79(6):318. doi: 10.1007/s00018-022-04354-7.
<https://link.springer.com/article/10.1007/s00018-022-04354-7>

Hopfgarten J, Stenwall PA, Wiberg A, Anagandula M, Ingvast S, Rosenling T, Korsgren O, Skog O:
Gene expression analysis of human islets in a subject at onset of type 1 diabetes

Acta Diabetol. 2013 Apr 27.
<http://link.springer.com/article/10.1007/s00592-013-0479-5>

Horvath P, Coscia F:

Spatial proteomics in translational and clinical research

Mol Syst Biol. 2025 Apr 14. doi: 10.1038/s44320-025-00101-9
<https://doi.org/10.1038/s44320-025-00101-9>

Hosaka S, Yamada T, Takahashi K, Dan T, Kaneko K, Kodama S, Asai Y, Munakata Y, Endo A, Sugawara H, Kawana Y, Yamamoto J, Izumi T, Sawada S, Imai J, Miyata T, and Katagiri H:
Inhibition of Plasminogen Activator Inhibitor-1 Activation Suppresses High Fat Diet-Induced Weight Gain via Alleviation of Hypothalamic Leptin Resistance

Front. Pharmacol., 24 June 2020 | <https://doi.org/10.3389/fphar.2020.00943>
<https://www.frontiersin.org/articles/10.3389/fphar.2020.00943/full>

Hoshi M, Usami M, Kito C, Sakaizawa K, Matsuda S, Shimoyama Y, Banno H, Ohta T:

Elucidation of generation mechanism of urine hyaline cast

医学検査 Vol.72 No.1 (2023) pp. 33–42 DOI: 10.14932/jamt.22-50 (article in Japanese)

https://www.jstage.jst.go.jp/article/jamt/72/1/72_22-50/_pdf

Hou S, Zhao L, Shen Q, Yu J, Ng C, Kong X, Wu D, Song M, Shi X, Xu X, OuYang WH, He R, Zhao XZ, Lee T, Brunicardi FC, Garcia MA, Ribas A, Lo RS, Tseng HR:

Polymer nanofiber-embedded microchips for detection, isolation, and molecular analysis of single circulating melanoma cells

Angew Chem Int Ed Engl. 2013 Mar 18;52(12):3379-83. doi: 10.1002/anie.201208452.

<http://dx.doi.org/10.1002/anie.201208452>

Huang L, Ye K, McGee MC, Nidetz NF, Elmore JP, Limper CB, Southard TL, Russell DG, August A, Huang W:

Interleukin-2-Inducible T-Cell Kinase Deficiency Impairs Early Pulmonary Protection Against Mycobacterium tuberculosis Infection

Front Immunol. 2020 Jan 24;10:3103. doi: 10.3389/fimmu.2019.03103. eCollection 2019.

<https://doi.org/10.3389/fimmu.2019.03103>

Huang P, Kong Q, Gao W, Chu B, Li H, Mao Y, Cai Z, Xu R, Tian R:

Spatial Proteome Profiling by Immunohistochemistry-Based Laser Capture Microdissection and Data-Independent Acquisition Proteomics

Analytica Chimica Acta, 2020 Aug 29, doi:10.1016/j.aca.2020.06.049

<https://www.sciencedirect.com/science/article/abs/pii/S000326702030698X>

Huang Q, Wang Y, Chen X, Wang Y, Li Z, Du S, Wang L, Chen S:

Nanotechnology-Based Strategies for Early Cancer Diagnosis Using Circulating Tumor Cells as a Liquid Biopsy

Nanotheranostics 2018, Vol. 2

<http://www.ntno.org/v02p0021.pdf>

Hunt AL, Khan I, Wu AML, Makohon-Moore SC, Hood BL, Conrads KA, Abulez T, Ogata J, Mitchell D, Gist G, Oliver J, Wei D, Chung MA, Rahman S, Bateman NW, Zhang W, Conrads TP, Steeg PS:

The murine metastatic microenvironment of experimental brain metastases of breast cancer differs by host age in vivo: a proteomic study

Clin Exp Metastasis. 2023 Nov 2. doi: 10.1007/s10585-023-10233-7.

<https://doi.org/10.1007/s10585-023-10233-7>

Hunt JL, Finkelstein SD:

Microdissection techniques for molecular testing in surgical pathology

Arch Pathol Lab Med. 2004 Dec;128(12):1372-8

[http://www.archivesofpathology.org/doi/full/10.1043/1543-2165\(2004\)128%3C1372:MTFMTI%3E2.0.CO;2](http://www.archivesofpathology.org/doi/full/10.1043/1543-2165(2004)128%3C1372:MTFMTI%3E2.0.CO;2)

Hunt AL, Randall J, Mansukhani MM, Nyberg K, Nutchareen A, Davis J, Corgiat B, Mueller C, Melvin S, Sharma M, Johnston L, Swain W, Abulez T, Bateman NW, Maxwell G, Deeken J, Benyounes A, Petricoin EF, Cannon TL, Conrads TP:

Integrating Functional Protein Drug Target Data into a Precision Oncology Molecular Tumor Board

medRxiv, 18 Oct 2024

<https://doi.org/10.1101/2024.10.17.24315608>

Iacobellis G, Di Gioia C, Petramala L, Chiappetta C, Serra V, Zinamosca L, Marinelli C, Ciardi A, De Toma G, and Letizia C:

Brown Fat Expresses Adiponectin in Humans

International Journal of Endocrinology, vol. 2013, Article ID 126751, 6 pages, 2013.

<http://www.hindawi.com/journals/ije/2013/126751/cta/>

Iacomino G, Aufiero VR, Marena P, Venezia A, Troncone R, Auricchio S, Mazzarella G:

Laser Capture Microdissection as a Tool to Study the Mucosal Immune Response in Celiac Disease

Methods Mol Biol. 2018;1723:139-154. doi: 10.1007/978-1-4939-7558-7_7
https://link.springer.com/protocol/10.1007/978-1-4939-7558-7_7

Iacomino G, Marano A, Stillitano I, Aufiero VR, Iaquinto G, Schettino M, Masucci A, Troncone R, Auricchio S, Mazzarella G:

Celiac disease: role of intestinal compartments in the mucosal immune response

Mol Cell Biochem. 2015 Nov 5.
<http://dx.doi.org/10.1007/s11010-015-2596-7>

Ibuki E, Shiraishi A, Sofue T, Kushida Y, Kadota K, Honda K, Kang D, Joh K, Minamino T, Haba R
Characteristic electron-microscopic features of cryofibrinogen-associated glomerulonephritis: a case report.

BMC Nephrol. 2020 Jan 29;21(1):27. doi: 10.1186/s12882-020-1696-0.
<https://www.biomedcentral.com/1471-2369/21/27>

Ichimata S, Hata Y, Yoshinaga T, Katoh N, Kametani F, Yazaki M, Sekijima Y, Nishida N:
Amyloid-Forming Corpora Amylacea and Spheroid-Type Amyloid Deposition: Comprehensive Analysis Using Immunohistochemistry, Proteomics, and a Literature Review

preprints.org > med & pharmacol > pathol & pathobio > doi: 10.20944/preprints202403.0340.v1
<https://doi.org/10.20944/preprints202403.0340.v1>

Inácio A, Domingues P, Piedade A, Mendes B, Fonseca F, Vrana J, Theis J, Fervenza FC, Soto K, Sethi S:

Laser Microdissection and Mass Spectrometry Reveals Diverse Membranous Nephropathy Antigens

Kidney International Reports, 23 June 2025
<https://doi.org/10.1016/j.ekir.2025.06.035>

Ince LM, Zhang Z, Beesley S, Vonslow RM, Saer BR, Matthews LC, Begley N, Gibbs JE, Ray DW, Loudon ASL:

Circadian variation in pulmonary inflammatory responses is independent of rhythmic glucocorticoid signaling in airway epithelial cells

FASEB J. 2018 Jul 2:fj201800026RR. doi: 10.1096/fj.201800026RR.
http://www.fasebj.org/doi/abs/10.1096/fj.201800026RR?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed

Inoue Y, Ueda M, Tasaki M, Takeshima A, Nagatoshi A, Masuda T, Misumi Y, Kosaka T, Nomura T, Mizukami M, Matsumoto S, Yamashita T, Takahashi H, Kakita A, Ando Y:

Sushi repeat-containing protein 1: a novel disease-associated molecule in cerebral amyloid angiopathy

Acta Neuropathol. 2017 May 6. doi: 10.1007/s00401-017-1720-z.
<https://dx.doi.org/10.1007/s00401-017-1720-z>

Ishida M, Yamamoto S, Iwashige Y, Miyazawa S, Nakata H, Koichi S, Yahata K, Minamiguchi S, Endo Y, Mii A, Shimizu A, Yanagita M:

Membranoproliferative glomerulonephritis with striated ultrastructural deposits with significantly elevated fibrinogen and fibronectin on mass spectrometry analysis: A case report and literature review

Nephron. 2025 Feb 13:1-17. doi: 10.1159/000544709.
<https://doi.org/10.1159/000544709>

Ishimitsu A, Tojo A, Hirao J, Yokoyama S, Ohira T, Murayama Y, Ishimitsu T, Kang D, Honda K, Ehara T, Ishida K, Ueda Y:

AL-Kappa Primary Amyloidosis with Apolipoprotein A-IV Deposition

Intern Med. 2022;61(6):871-876. doi: 10.2169/internalmedicine.7955-21. Epub 2022 Mar 15.
https://www.jstage.jst.go.jp/article/internalmedicine/61/6/61_7955-21/pdf

Itakura M, Terashima Y, Shingyoji M, Yokoi S, Ohira M, Kageyama H, Matui Y, Yoshida Y, Ashinuma H, Moriya Y, Tamura H, Harigaya K, Matushima K, Iizasa T, Nakagawara A, Kimura H:

High CC chemokine receptor 7 expression improves postoperative prognosis of lung adenocarcinoma patients

Br J Cancer. 2013 Aug 6. doi: 10.1038/bjc.2013.440.
<http://www.nature.com/bjc/journal/vaop/ncurrent/full/bjc2013440a.html>

Iwata H, Goettsch C, Sharma A, Ricchiuto P, Goh WW, Halu A, Yamada I, Yoshida H, Hara T, Wei M, Inoue N, Fukuda D, Mojcher A, Mattson PC, Barabási AL, Boothby M, Aikawa E, Singh SA, Aikawa M:

PARP9 and PARP14 cross-regulate macrophage activation via STAT1 ADP-ribosylation

Nat Commun. 2016 Oct 31;7:12849. doi: 10.1038/ncomms12849.
<http://dx.doi.org/10.1038/ncomms12849>

Janssen MJ, Salomon J, Te Morsche RH, Drenth JP:

Loss of Heterozygosity Is Present in SEC63 Germline Carriers with Polycystic Liver Disease

PLoS One. 2012;7(11):e50324. doi: 10.1371/journal.pone.0050324.
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0050324>

Jarick KJ (Ottmüller):

Migration of allogenic T cells in intestinal lymphoid structures during acute Graft-versus-Host Disease

Thesis, 2019
https://opus.bibliothek.uni-wuerzburg.de/opus4-wuerzburg/frontdoor/deliver/index/docId/17875/file/Jarick_Katja_Migration300dpi.pdf

Jo JH, Harkins CP, Schwardt NH, Portillo JA; NISC Comparative Sequencing Program, Zimmerman MD, Carter CL, Hossen MA, Peer CJ, Polley EC, Dartois V, Figg WD, Moutsopoulos NM, Segre JA, Kong HH:

Alterations of human skin microbiome and expansion of antimicrobial resistance after systemic antibiotics

Sci Transl Med. 2021 Dec 22;13(625):eabd8077. doi: 10.1126/scitranslmed.abd8077.
<https://www.science.org/doi/pdf/10.1126/scitranslmed.abd8077>

Kachroo N, Valencia T, Warren AY, Gnanapragasam VJ:

Evidence for downregulation of the negative regulator SPRED2 in clinical prostate cancer

Br J Cancer. 2012 Nov 20. doi: 10.1038/bjc.2012.507.
<http://dx.doi.org/10.1038/bjc.2012.507>

Kadota T, Yoshioka Y, Fujita Y, Araya J, Minagawa S, Hara H, Miyamoto A, Suzuki S, Fujimori S, Kohno T, Fujii T, Kishi K, Kuwano K, Ochiya T:

Extracellular Vesicles from Fibroblasts Induce Epithelial Cell Senescence in Pulmonary Fibrosis

Am J Respir Cell Mol Biol. 2020 Jul 30. doi: 10.1165/rcmb.2020-0002OC.
<https://www.atsjournals.org/doi/abs/10.1165/rcmb.2020-0002OC>

Kaga H, Matsumura H, Saito A, Saito M, Abe F, Suzuki T, Dohmae N, Odaka M, Komatsuda A, Wakui H, Takahashi N:

Comparative proteomic analysis of glomerular proteins in IgA nephropathy and IgA vasculitis with nephritis

Research Square, 28th Oct 2022
<https://doi.org/10.21203/rs.3.rs-2203200/v1>

Kaga H, Matsumura H, Suzuki T, Dohmae N, Odaka M, Komatsuda A, Takahashi N, Wakui H:

Comparative proteomic analysis of glomerular proteins in primary and bucillamine-induced membranous nephropathy

Research Square, 18 Jan 2022, DOI: <https://doi.org/10.21203/rs.3.rs-1262949/v1>
<https://assets.researchsquare.com/files/rs-1262949/v1/d2ed46de-3f0d-4656-ba77-fbbcd4c76367.pdf?c=1642529248>

Kaga H, Matsumura H, Suzuki T, Dohmae N, Odaka M, Komatsuda A, Takahashi N, Wakui H:
Proteomic Analysis of Glomerular Proteins in Primary and Bucillamine-induced Membranous Nephropathy

Research Square, 12 Nov 2021, DOI: 10.21203/rs.3.rs-988234/v1 PPR: PPR419553
<https://europepmc.org/article/ppr/ppr419553>

Kakimoto Y, Ito S, Abiru H, Kotani H, Ozeki M, Tamaki K, Tsuruyama T:
Sorbin and SH3 domain-containing protein 2 is released from infarcted heart in the very early phase: proteomic analysis of cardiac tissues from patients.

J Am Heart Assoc. 2013 Dec 16;2(6):e000565. doi: 10.1161/JAHA.113.000565.
<http://jaha.ahajournals.org/cgi/pmidlookup?view=long&pmid=24342996>

Kakimoto Y, Ueda A, Kimura Y, Akiyama T, Tanaka M, Ikeda H, Isozaki S, Maeda K, Osawa M:
Layer-specific proteomic profiling of human normal heart

Pathology - Research and Practice, 2024, 155453, ISSN 0344-0338
<https://doi.org/10.1016/j.prp.2024.155453>

Kanagal-Shamanna R, Xu-Monette ZY, Miranda RN, Dogan A, Zou D, Luthra R, Weber D, O'Malley DP, Jorgensen JL, Khoury JD, Bueso-Ramos CE, Orlowski RZ, Medeiros JL, Young KH:
Crystal-Storing Histiocytosis: A Clinicopathologic Study of 13 Cases

Histopathology. 2015 Jun 28. doi: 10.1111/his.12768.
<http://dx.doi.org/10.1111/his.12768>

Kaneko T, Myo Zaw SY, Sueyama Y, Katsube KI, Kaneko R, Nör JE, Okiji T:
Inhibition of Nuclear Factor Kappa B Prevents the Development of Experimental Periapical Lesions

J Endod. 2019 Feb;45(2):168-173. doi: 10.1016/j.joen.2018.10.006.
<https://www.sciencedirect.com/science/article/pii/S0099239918306897#!>

Katafuchi E, Hisano S, Kurata S, Muta K, Uesugi N, Miyamoto T, Harada Y, Shimajiri S, Katafuchi R, Nakayama T:
Aberrant localization of $\beta 1$ integrin in podocyte cytoplasm of primary FSGS with cellular lesion

Virchows Arch. 2024 Sep 13. doi: 10.1007/s00428-024-03919-0.
<https://doi.org/10.1007/s00428-024-03919-0>

Katagiri H, Kushida Y, Nojima M, Kuroda Y, Wakao S, Ishida K, Endo F, Kume K, Takahara T, Nitta H, Tsuda H, Dezawa M, Nishizuka SS:
A Distinct Subpopulation of Bone Marrow Mesenchymal Stem Cells, Muse Cells, Directly Commit to the Replacement of Liver Components

Am J Transplant. 2015 Dec 11. doi: 10.1111/ajt.13537.
<http://dx.doi.org/10.1111/ajt.13537>

Katakowski M, Charteris N, Chopp M, Khain E:
Density-Dependent Regulation of Glioma Cell Proliferation and Invasion Mediated by miR-9

Cancer Microenviron. 2016 Dec 14.
<https://dx.doi.org/10.1007/s12307-016-0190-5>

Kato Y, Nishimura T, Matsubayashi J, Furukawa K, Nomura M, Fujii K, Nakamura H, Kato H:
An importance of clinical proteomics for personalized medicine of lung cancer subtypes

Integr Cancer Sci Therap. 3: DOI: 10.15761/ICST.1000177.

<http://oatext.com/An-importance-of-clinical-proteomics-for-personalized-medicine-of-lung-cancer-subtypes.php#Article>

Katsumi T, Sato H, Murakami R, Hanatani T, Uchiyama F, Suzuki F, Maki K, Hoshikawa K, Haga H, Saito T, Ueno Y:

Identification of microbial antigens in liver tissues involved in the pathogenesis of primary biliary cholangitis using 16S rRNA metagenome analysis

PLoS One. 2024 Aug 19;19(8):e0308912. doi: 10.1371/journal.pone.0308912.

<https://doi.org/10.1371/journal.pone.0308912>

Kawata J, Koga Y, Noguchi S, Shimada Y, Yamada Y, Yamamoto T, Shindo K, Nakamura M, Oda Y:

Clinicopathological features and genetic alterations in mixed-type ampullary carcinoma

Mod Pathol. 2023 Mar 31:100181. doi: 10.1016/j.modpat.2023.100181.

<https://doi.org/10.1016/j.modpat.2023.100181>

Kawata N, Kang D, Aiuchi T, Obama T, Yoshitake O, Shibata T, Takimoto M, Itabe H, Honda K:

Proteomics of human glomerulonephritis by laser microdissection and liquid chromatography-tandem mass spectrometry

Nephrology (Carlton). 2019 Nov 9. doi: 10.1111/nep.13676.

<https://onlinelibrary.wiley.com/doi/pdf/10.1111/nep.13676>

Kaya F, Zimmerman MD, Antilus-Sainte R, Gengenbacher M, Carter CL, Dartois V:

Spatial quantitation of antibiotics in bone tissue compartments by laser-capture microdissection coupled with UHPLC-tandem mass spectrometry

Anal Bioanal Chem. 2022 Aug 10. doi: 10.1007/s00216-022-04257-3.

<https://link.springer.com/article/10.1007/s00216-022-04257-3>

Ke M, Li X, Wang L, Yue S, Zhao B:

A stepwise data interpretation process for renal amyloidosis typing by LMD-MS

BMC Nephrol. 2022 Apr 13;23(1):144. doi: 10.1186/s12882-022-02785-9.

<https://link.springer.com/article/10.1186/s12882-022-02785-9>

Ke M, Li X, Wang L, Yue S, Zhao B:

A Stepwise Data Interpretation Process For Renal Amyloidosis Subtyping by LMD-MS

Research Square, 13 Oct 2021, in review for BMC Nephrology

<https://doi.org/10.21203/rs.3.rs-917392/v1>

Keel MK, Keeler S, Brown J, Fenton H, Munk B, Gerhold R, Gottdenker N, Ruder M, Elsmo E, Nemeth N:

Granulomatous Inflammation of the Muzzle in White-Tailed Deer (*Odocoileus virginianus*) and Mule Deer (*Odocoileus hemionus*) Associated With *Mannheimia granulomatis*

Vet Pathol. 2020 Aug 19:300985820948825. doi: 10.1177/0300985820948825.

<https://journals.sagepub.com/doi/abs/10.1177/0300985820948825>

Kempfer R:

Chromatin folding in health and disease: exploring allele-specific topologies and the reorganization due to the 16p11.2 deletion in autism-spectrum disorder

Thesis, 2020 Oct 7

<https://edoc.hu-berlin.de/handle/18452/22777>

Kennedy LL, Meng F, Venter JK, Zhou T, Karstens WA, Hargrove LA, Wu N, Kyritsi K, Greene J, Invernizzi P, Bernuzzi F, Glaser SS, Francis HL, Alpini G :

Knockout of microRNA-21 reduces biliary hyperplasia and liver fibrosis in cholestatic bile duct ligated mice

Lab Invest. 2016 Oct 24. doi: 10.1038/labinvest.2016.112.

<http://dx.doi.org/10.1038/labinvest.2016.112>

Khalighi MA, Wallace WD, and Palma-Diaz MF:

Amyloid nephropathy

Clin Kidney J (2014) 7: 1–10; doi: 10.1093/ckj/sfu021

<http://ckj.oxfordjournals.org/content/early/2014/03/12/ckj.sfu021.abstract>

Kikuchi A, Ishikawa T, Mogushi K, Ishiguro M, Iida S, Mizushima H, Uetake H, Tanaka H, Sugihara K:

Identification of NUCKS1 as a colorectal cancer prognostic marker through integrated expression and copy number analysis

Int J Cancer. 2012 Oct 15. doi: 10.1002/ijc.27911.

<http://dx.doi.org/10.1002/ijc.27911>

Kim JB, Pjanic M, Nguyen T, Miller CL, Iyer D, Liu B, Wang T, Sazonova O, Carcamo-Orive I, Matic LP, Maegdefessel L, Hedin U, Quertermous T:

TCF21 and the environmental sensor aryl-hydrocarbon receptor cooperate to activate a pro-inflammatory gene expression program in coronary artery smooth muscle cells

PLoS Genet. 2017 May 8;13(5):e1006750. doi: 10.1371/journal.pgen.1006750.

<http://journals.plos.org/plosgenetics/article?id=10.1371/journal.pgen.1006750>

Kim SK, Jung WH, Koo JS:

Differential expression of enzymes associated with serine/glycine metabolism in different breast cancer subtypes

PLoS One. 2014 Jun 30;9(6):e101004. doi: 10.1371/journal.pone.0101004. eCollection 2014.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0101004>

Kinguchi S, Wakui H, Azushima K, Haruhara K, Koguchi T, Ohki K, Uneda K, Matsuda M, Haku S, Yamaji T, Yamada T, Kobayashi R, Minegishi S, Ishigami T, Yamashita A, Fujikawa T, Tamura K:

Effects of ATRAP in Renal Proximal Tubules on Angiotensin-Dependent Hypertension

J Am Heart Assoc. 2019 Apr 16;8(8):e012395. doi: 10.1161/JAHA.119.012395

<https://www.ahajournals.org/doi/pdf/10.1161/JAHA.119.012395>

Kimura Y, Kubo S, Koda H, Shigemoto K, Sawabe M, Kitamura K:

RNA analysis of inner ear cells from formalin fixed paraffin embedded (FFPE) archival human temporal bone section using laser microdissection. -A technical report

Hear Res. 2013 May 6. pii: S0378-5955(13)00101-9. doi: 10.1016/j.heares.2013.04.008.

<http://www.sciencedirect.com/science/article/pii/S0378595513001019>

Kitaoka H, Izumi C, Izumiya Y, Inomata T, Ueda M, Kubo T, Koyama J, Sano M, Sekijima Y, Tahara N, Tsukada N, Tsujita K, Tsutsui H, Tomita T, Amano M, Endo J, Okada A, Oda S, Takashio S, Baba Y, Misumi Y, Yazaki M, Anzai T, Ando Y, Isobe M, Kimura T, Fukuda K; Japanese Circulation Society Joint Working Group :

JCS 2020 Guideline on Diagnosis and Treatment of Cardiac Amyloidosis

Circ J. 2020 Aug 25;84(9):1610-1671. doi: 10.1253/circj.CJ-20-0110.

https://www.jstage.jst.go.jp/article/circj/advpub/0/advpub_CJ-20-0110/_pdf

Kiyoi T, Liu S, Takemasa E, Nakaoka H, Hato N, Mogi M:

Constitutive hydrogen inhalation prevents vascular remodeling via reduction of oxidative stress

PLoS One. 2020 Apr 17;15(4):e0227582. doi: 10.1371/journal.pone.0227582. eCollection 2020.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0227582>

Klevebring D, Lindberg J, Rockberg J, Hilliges C, Hall P, Sandberg M, Czene K:

Exome sequencing of contralateral breast cancer identifies metastatic disease

Breast Cancer Res Treat. 2015 Apr 29.

<http://dx.doi.org/10.1007/s10549-015-3403-6>

Kobayakawa K, Ohkawa Y, Yoshizaki S, Tamaru T, Saito T, Kijima K, Yokota K, Hara M, Kubota K, Matsumoto Y, Harimaya K, Ozato K, Masuda T, Tsuda M, Tamura T, Inoue K, Edgerton VR, Iwamoto Y, Nakashima Y, Okada S

Macrophage centripetal migration drives spontaneous healing process after spinal cord injury

Sci Adv. 2019 May 15;5(5):eaav5086. doi: 10.1126/sciadv.aav5086. eCollection 2019 May.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC631106270/>

Kadota A, Iwaide S, Miyazaki S, Mitsui I, Machida N, Murakami T:

Pathology and Proteomics-Based Diagnosis of Localized Light-Chain Amyloidosis in Dogs and Cats

Veterinary Pathology. 17 Jun 2020. doi.org/10.1177/0300985820934113

<https://journals.sagepub.com/doi/abs/10.1177/0300985820934113>

Kohama Y, Higo S, Masumura Y, Shiba M, Kondo T, Ishizu T, Higo T, Nakamura S, Kameda S, Tabata T, Inoue H, Motooka D, Okuzaki D, Takashima S, Miyagawa S, Sawa Y, Hikoso S, Sakata Y

Adeno-associated virus-mediated gene delivery promotes S-phase entry-independent precise targeted integration in cardiomyocytes

Sci Rep. 2020 Sep 18;10(1):15348. doi: 10.1038/s41598-020-72216-y.

<https://www.nature.com/articles/s41598-020-72216-y>

Koiso R, Kushida C, Kanaya M, Tsukahara S:

Emergence of the sex difference in calbindin D-28K neurons and the role of calbindin D-28K in clustering neurons of the preoptic area in mice

Cell Tissue Res. 2025 May 21. doi: 10.1007/s00441-025-03981-3.

<https://doi.org/10.1007/s00441-025-03981-3>

Kong L, Li Y, Deng Z, Chen X, Xia Y, Shen B, Ning R, Zhang L, Yin Z:

Tibial cortex transverse transport regulates Orai1/STIM1-mediated NO release and improve the migration and proliferation of vessels via increasing osteopontin expression

J of Orthopaedic Translation, Volume 45, March 2024, Pages 107-119

<https://doi.org/10.1016/j.jot.2024.02.007>

Koperek O, Kornauth C, Capper D, Berghoff AS, Asari R, Niederle B, von Deimling A, Birner P, Preusser M:

Immunohistochemical detection of the BRAF V600E-mutated protein in papillary thyroid carcinoma

Am J Surg Pathol. 2012 Jun;36(6):844-50. doi: 10.1097/PAS.0b013e318246b527.

<http://meta.wkhealth.com/pt/pt-core/template-journal/lwwgateway/media/landingpage.htm?issn=0147-5185&volume=36&issue=6&spage=844>

Korekane, H., Shida, K., Murata, K., Ohue, M., Sasaki, Y., Imaoka, S., and Miyamoto, Y.:

Evaluation of laser microdissection as a tool in cancer glycomic studies

Biochem Biophys Res Commun 352(3): 579-586 (2007)

<http://dx.doi.org/10.1016/j.bbrc.2006.10.191>

Korlatowicz A, Pabian P, Solich J, Kolasa M, Latocha K, Dziedzicka-Wasylewska M, Faron-Górecka A:
Habenula as a Possible Target for Treatment-Resistant Depression Phenotype in Wistar Kyoto Rats

Mol Neurobiol. 2022 Nov 8. doi: 10.1007/s12035-022-03103-y.

<https://doi.org/10.1007/s12035-022-03103-y>

Kortüm B, Campregher C, Lang M, Khare V, Pinter M, Evstatiev R, Schmid G, Mittlböck M, Scharl T, Kucherlapati MH, Edelmann W, Gasche C:

Mesalazine and thymoquinone attenuate intestinal tumour development in Msh2loxP/loxP Villin-Cre mice

Gut. 2014 Nov 26. pii: gutjnl-2014-307663. doi: 10.1136/gutjnl-2014-307663.

<http://gut.bmj.com/cgi/lookup?view=long&pmid=25429050>

Krause K, Eggers B, Uszkoreit J, Eulitz S, Rehmann R, Güttches AK, Schreiner A, van der Ven PFM, Fürst DO, Marcus K, Vorgerd M, Kley RA:

Target formation in muscle fibres indicates reinnervation - a proteomic study in muscle samples from peripheral neuropathies

Neuropathol Appl Neurobiol. 2022 Sep 30:e12853. doi: 10.1111/nan.12853.

<https://doi.org/10.1111/nan.12853>

Kurashina R, Kikuchi K, Iwaki J, Yoshitake H, Takeshita T, Takizawa T:

Placenta-specific miRNA (miR-512-3p) targets PPP3R1 encoding the calcineurin B regulatory subunit in BeWo cells

J Obstet Gynaecol Res. 2013 Nov 18. doi: 10.1111/jog.12217.

<http://onlinelibrary.wiley.com/doi/10.1111/jog.12217/abstract>

Kuwabara K, Suzuki O, Chika N, Kumamoto K, Minabe T, Fukuda T, Arai E, Tamaru JI, Akagi K, Eguchi H, Okazaki Y, Ishida H:

Prevalence and molecular characteristics of DNA mismatch repair protein-deficient sebaceous neoplasms and keratoacanthomas in a Japanese hospital-based population

Jpn J Clin Oncol. 2018 Apr 28. doi: 10.1093/jjco/hyy055.

<https://academic.oup.com/jjco/article-lookup/doi/10.1093/jjco/hyy055>

Kverneng SU, Stige KE, Berven H, Mostafavi S, Lundervold K, Brischigliaro M, Brakedal B, Skeie GO, Flønes IH, Toker L, Fernandez-Vizarra E, Skogseth RE, Haugarvoll K, Cleuren YNT, Dölle C, Nido GS, Tzoulis C:

Mitochondrial complex I deficiency occurs in skeletal muscle of a subgroup of individuals with Parkinson's disease

Commun Med (Lond). 2025 Apr 27;5(1):141. doi: 10.1038/s43856-025-00817-7.

<https://doi.org/10.1038/s43856-025-00817-7>

Ladanyi, A., Sipos, F., Szoke, D., Galamb, O., Molnar, B., and Tulassay, Z.:

Laser microdissection in translational and clinical research

Cytometry A 69(9): 947-960 (2006)

<http://onlinelibrary.wiley.com/doi/10.1002/cyto.a.20322/full>

LaFavers KA, Macedo E, Garimella PS, Lima C, Khan S, Myslinski J, McClintick J, Witzmann FA, Winfree S, Phillips CL, Hato T, Dagher PC, Wu XR, El-Achkar TM, Micanovic R:

Circulating uromodulin inhibits systemic oxidative stress by inactivating the TRPM2 channel

Sci Transl Med. 2019 Oct 2;11(512). pii: eaaw3639. doi: 10.1126/scitranslmed.aaw3639.

<http://stm.sciencemag.org/cgi/lookup?view=short&pmid=31578243>

Lan F, Li J, Miao W, Sun F, Duan S, Song Y, Yao J, Wang X, Wang C, Liu X, Wang J, Zhang L, Qi H:

GZMK-expressing CD8⁺ T cells promote recurrent airway inflammatory diseases

Nature. 2025 Jan 15. doi: 10.1038/s41586-024-08395-9

<https://doi.org/10.1038/s41586-024-08395-9>

Larsen CP, Sharma SG, Caza TN, Kenan DJ, Storey AJ, Edmondson RD, Herzog C, Arthur JM:

Serum amyloid P deposition is a sensitive and specific feature of membranous-like glomerulopathy with masked IgG kappa deposits

Kidney International, 17 Oct 2019, KINT 1855, S0085-2538(19)31119-6

[https://www.kidney-international.org/article/S0085-2538\(19\)31119-6/pdf](https://www.kidney-international.org/article/S0085-2538(19)31119-6/pdf)

Lebeau A, Bruyere D, Roncarati P, Peixoto P, Hervouet E, Cobraiville G, Taminiau B, Masson M, Gallego C, Mazzucchelli G, Smargiasso N, Fleron M, Baiwir D, Hendrick E, Pilard C, Lerho T, Reynders C, Ancion

M, Greimers R, Twizere JC, Daube G, Schlecht-Louf G, Bachelerie F, Combes JD, Melin P, Fillet M, Delvenne P, Hubert P, Herfs M:

HPV infection alters vaginal microbiome through down-regulating host mucosal innate peptides used by Lactobacilli as amino acid sources

Nat Commun. 2022 Feb 28;13(1):1076. doi: 10.1038/s41467-022-28724-8.

<https://www.nature.com/articles/s41467-022-28724-8>

Lebelo RL, Bogers JJ, Thys S, Depuydt C, Benoy I, Selabe SG, Bida MN, Mphahlele MJ:

Detection, genotyping and quantitation of multiple hpv infections in south african women with cervical squamous cell carcinoma

J Med Virol. 2015 Jun 2. doi: 10.1002/jmv.24132.

<http://dx.doi.org/10.1002/jmv.24132>

Ledesma FL, Castelli JB:

Autopsy findings in a patient with primary systemic AL (kappa light chain) amyloidosis.

Autops Case Rep [Internet]. 2021;11:e2021273. <https://doi.org/10.4322/acr.2021.273>

<https://www.autopsyandcasereports.org/article/10.4322/acr.2021.273/pdf/autopsy-11-e2021273.pdf>

Lee A, Prideaux B, Lee MH, Zimmerman M, Dolgov E, Perlin DS, Zhao Y

Tissue distribution and penetration of isavuconazole at the site of infection in Experimental Invasive Aspergillosis in Mice with underlying Chronic Granulomatous Disease

Antimicrob Agents Chemother. 2019 Apr 15. pii: AAC.00524-19. doi: 10.1128/AAC.00524-19.

<https://aac.asm.org/content/early/2019/04/09/AAC.00524-19.abstract>

Lee A, Wang N, Carter CL, Zimmerman M, Dartois V, Shaw KJ, Perlin DS, Zhao Y:

Therapeutic potential of Fosmanogepix (APX001) for intra-abdominal candidiasis: from lesion penetration to efficacy in a mouse model

Antimicrob Agents Chemother. 2021 Jan 19:AAC.02476-20. doi: 10.1128/AAC.02476-20.

<https://aac.asm.org/content/early/2021/01/14/AAC.02476-20.abstract>

Lee WS, Baldassari S, Chipaux M, Adle-Biassette H, Stephenson SEM, Maixner W, Harvey AS, Lockhart PJ, Baulac S, Leventer RJ:

Gradient of brain mosaic RHEB variants causes a continuum of cortical dysplasia.

Ann Clin Transl Neurol. 2021 Jan 12. doi: 10.1002/acn3.51286.

<https://onlinelibrary.wiley.com/doi/epdf/10.1002/acn3.51286>

Legrès LG:

New Technical Trends in Cancer Research: The Laser Microdissection Approach

Hos Pal Med Int Jnl 1(3): 00014. (2017)

<https://pdfs.semanticscholar.org/c600/a071b8b343de46199dbadb3d8a9f08ec4af3.pdf>

Lei Y, Iwashita M, Choi J, Aikawa M and Aikawa E:

N-acetylglucosamine-1-Phosphate Transferase Suppresses Lysosomal Hydrolases in Dysfunctional Osteoclasts: A Potential Mechanism for Vascular Calcification

J. Cardiovasc. Dev. Dis. 2015, 2, 31-47; doi:10.3390/jcdd2020031

<http://www.mdpi.com/2308-3425/2/2/31/html>

Leitner DF, Kavanagh T, Kanshin E, Balcomb K, Pires G, Thierry M, Suazo JI, Schneider J, Ueberheide B, Drummond E, Wisniewski T:

Differences in the cerebral amyloid angiopathy proteome in Alzheimer's disease and mild cognitive impairment

Acta Neuropathol. 2024 Jul 22;148(1):9. doi: 10.1007/s00401-024-02767-1.

<https://doi.org/10.1007/s00401-024-02767-1>

Lenchenko EM, Pavlova IB, Blumenkrants DA, Ponomarev VV, Tolmacheva GS:

Methodological Aspects of Reserach of Composition of Biofilm in vitro, ex vivo, in vivo

Russian Journal «Problems of Veterinary Sanitation, Hygiene and Ecology». 2022. № 1 (41). P. 73–82.
(In Russ.). doi: 10.36871/vet.san.hygiene.ecol.202201009
<https://vniivsge.ru/wp-content/uploads/2022/05/2022-%E2%84%961-41.pdf#page=74>

Leone, F., Cavalloni, G., Pignochino, Y., Sarotto, I., Ferraris, R., Piacibello, W., Venesio, T., Capussotti, L., Risio, M., and Aglietta, M.:

Somatic mutations of epidermal growth factor receptor in bile duct and gallbladder carcinoma

Clin Cancer Res 12(6): 1680-1685 (2006)

<http://clincancerres.aacrjournals.org/content/12/6/1680.long>

Lesellier S, Boschirololi ML, Barrat J, Wanke C, Salguero FJ, Garcia-Jimenez WL, Nunez A, Godinho A, Spiropoulos J, Palmer S, Dave D, Anderson P, Boucher JM, de Cruz K, Henault S, Michelet L, Gowtage S, Williams GA, Nadian AK, Monchâtre-Leroy E, Boué F, Chambers MA, Richomme C:

Detection of live M. bovis BCG in tissues and IFN- γ responses in European badgers (Meles meles) vaccinated by oropharyngeal instillation or directly in the ileum.

BMC Vet Res. 2019 Dec 6;15(1):445. doi: 10.1186/s12917-019-2166-4.

<https://link.springer.com/content/pdf/10.1186%2Fs12917-019-2166-4.pdf>

Leung N, Nasr SH, Sethi S:

How I diagnose amyloidosis.

Blood. 2012 Sep 4.

<http://bloodjournal.hematologylibrary.org/content/early/2012/09/04/blood-2012-03-413682.abstract>

Li B:

Clinical Genomic Analysis and Diagnosis --Genomic Analysis Ex Vivo, in Vitro and in Silico

SAP, p-ISSN: 2163-1433, e-ISSN: 2163-1441, 2012; 2(4): 37-44, doi: 10.5923/j.cmd.20120204.04

<http://article.sapub.org/10.5923.j.cmd.20120204.04.html>

Li C, Zheng Z, Ha P, Jiang W, Berthiaume EA, Lee S, Mills Z, Pan H, Chen EC, Jiang J, Cuiat CT, Zhang X, Ting K, Soo C:

Neural EGFL like 1 as a potential pro-chondrogenic, anti-inflammatory dual-functional disease-modifying osteoarthritis drug

Biomaterials, Volume 226, January 2020, 119541

<https://www.sciencedirect.com/science/article/pii/S0142961219306404?via%3Dihub>

Li D, Kular L, Vij M, Herter EK, Li X, Wang A, Chu T, Toma MA, Zhang L, Liapi E, Mota A, Blomqvist L, Sérézal IG, Rollman O, Wikstrom JD, Bienko M, Berglund D, Stähle M, Sommar P, Jagodic M, Landén NX:

Human skin long noncoding RNA WAKMAR1 regulates wound healing by enhancing keratinocyte migration

Proc Natl Acad Sci U S A. 2019 Apr 24. pii: 201814097. doi: 10.1073/pnas.1814097116.

<https://www.pnas.org/content/pnas/early/2019/04/23/1814097116.full.pdf>

Li F, Pascal LE, Wang K, Zhou Y, Balasubramani GK, O'Malley KJ, Dhir R, He K, Stolz D, DeFranco DB, Yoshimura N, Nelson JB, Chong T, Guo P, He D, Wang Z:

Transforming growth factor beta 1 impairs benign prostatic luminal epithelial cell monolayer barrier function

Am J Clin Exp Urol. 2020 Feb 25;8(1):9-17. eCollection 2020.

<https://www.ncbi.nlm.nih.gov/pmc/articles/pmid/32211449/>

Li G, Zhang Z, Jin T, Liang H, Tu Y, Gong L, Chen Z, Gao G:

High frequency of the X-chromosome inactivation in young female patients with high-grade glioma

Diagn Pathol. 2013 Jun 19;8(1):101.

<http://www.diagnosticpathology.org/content/8/1/101>

Li Y, Zhang Y, Zhou X, Xue X, Wang M, Kang D, Zhou Y, Hu R, Quan S, Xing G, Yang J:
Precise diagnosis and typing of early-stage renal immunoglobulin-derived amyloidosis by label-free quantification of parallel reaction monitoring-based targeted proteomics
BMC Nephrol. 2023 Mar 10;24(1):50. doi: 10.1186/s12882-023-03105-5.
<https://doi.org/10.1186/s12882-023-03105-5>

Lin CS, Wang LS, Chou TY, Hsu WH, Lin HC, Lee SY, Lee MH, Chang SC, Wei YH :
Cigarette Smoking and hOGG1 Ser326Cys Polymorphism are Associated with 8-OHdG Accumulation on Mitochondrial DNA in Thoracic Esophageal Squamous Cell Carcinoma
Ann Surg Oncol. 2012 Sep 1.
<http://dx.doi.org/10.1245/s10434-012-2576-z>

Ling H, Pickard K, Ivan C, Isella C, Ikuo M, Mitter R, Spizzo R, Bullock MD, Braicu C, Pileczki V, Vincent K, Pichler M, Stiegelbauer V, Hoefler G, Almeida MI, Hsiao A, Zhang X, Primrose JN, Packham GK, Liu K, Bojja K, Gafà R, Xiao L, Rossi S, Song JH, Vannini I, Fanini F, Kopetz S, Zweidler-McKay P, Wang X, Ionescu C, Irimie A, Fabbri M, Lanza G, Hamilton SR, Berindan-Neagoe I, Medico E, Mirnezami AH, Calin GA, Nicoloso MS:
The clinical and biological significance of MIR-224 expression in colorectal cancer metastasis
Gut. 2015 Mar 24. pii: gutjnl-2015-309372. doi: 10.1136/gutjnl-2015-309372.
<http://gut.bmj.com/cgi/lookup?view=long&pmid=25804630>

Liewluck T, Winder TL, Dimberg EL, Crum BA, Heppelmann CJ, Wang Y, Bergen HR 3rd, Milone M:
ANO5-muscular dystrophy: clinical, pathological and molecular findings
Eur J Neurol. 2013 May 12. doi: 10.1111/ene.12191.
<http://onlinelibrary.wiley.com/doi/10.1111/ene.12191/abstract>

Liu J, Lu C, Wu X, Zhang Z, Li J, Guo B, Li D, Liang C, Dang L, Pan X, Peng S, Lu A, Zhang B, Zhang G:
Targeting osteoblastic casein kinase-2 interacting protein-1 to enhance Smad-dependent BMP signaling and reverse bone formation reduction in glucocorticoid-induced osteoporosis
Sci Rep. 2017 Jan 27;7:41295. doi: 10.1038/srep41295.
<http://www.nature.com/articles/srep41295>

Liu J, Wang Z, Liang W, Zhang Z, Deng Y, Chen X, Hou Z, Xie Y, Wang Q, Li Y, Bai C, Li D, Mo F, Wang H, Wang D, Yuan J, Wang Y, Teng ZQ, Hu B:
Microglial TMEM119 binds to amyloid- β to promote its clearance in an A β -depositing mouse model of Alzheimer's disease
Immunity. 2025 May 9:S1074-7613(25)00181-5. doi: 10.1016/j.immuni.2025.04.018.
<https://doi.org/10.1016/j.immuni.2025.04.018>

Liu JY, Reeves C, Diehl B, Coppola A, Al-Hajri A, Hoskote C, Al Mughairy S, Tachrount M, Groves M, Michalak Z, Mills K, McEvoy AW, Miserocchi A, Sisodiya SM, Thom M:
Early lipofuscin accumulation in Frontal Lobe Epilepsy
Ann Neurol. 2016 Oct 20. doi: 10.1002/ana.24803
<http://onlinelibrary.wiley.com/doi/10.1002/ana.24803/epdf>

Liu N, Ma Y, Gong W, Shao X, Shi T, Li L, Wu W, Chen X, Shi Y, Zhang P, Lin J, Wang C, Fang D, Yang L, Wang P, Gao W, He Y, An X, Du R, Chen Y, Liu B, Qin J, Chen D, Cai P, Jiang Q, Guo B:
Osteocyte-derived extracellular vesicles mediate the bone-to-cartilage crosstalk and promote osteoarthritis progression
Nat Commun. 2025 May 22;16(1):4746. doi: 10.1038/s41467-025-59861-5.
<https://doi.org/10.1038/s41467-025-59861-5>

Liu PF, Cao YW, Jiang HP, Wang YH, Yang XC, Wang XS, Niu HT:

Heterogeneity research in muscle-invasive bladder cancer based on differential protein expression analysis

Med Oncol. 2014 Sep;31(9):21. doi: 10.1007/s12032-014-0021-9.

<http://link.springer.com/article/10.1007/s12032-014-0021-9>

Gene therapy restores mitochondrial function and protects retinal ganglion cells in optic neuropathy induced by a mito-targeted mutant ND1 gene

Gene Ther. 2022 Apr 6. doi: 10.1038/s41434-022-00333-6.

<https://www.nature.com/articles/s41434-022-00333-6>

The vigorous immune microenvironment of microsatellite instable colon cancer is balanced by multiple counter-inhibitory checkpoints

Cancer Discov. 2014 Oct 30. pii: CD-14-0863.

<http://cancerdiscovery.aacrjournals.org/cgi/pmidlookup?view=long&pmid=25358689>

Locatelli-Sanchez M, Couraud S, Arpin D, Riou R, Bringuier PP, Souquet PJ :

Routine EGFR Molecular Analysis in Non-Small-Cell Lung Cancer Patients is Feasible: Exons 18-21 Sequencing Results of 753 Patients and Subsequent Clinical Outcomes

Lung. 2013 Jun 9.

<http://dx.doi.org/10.1007/s00408-013-9482-4>

Logantha SJRJ, Kharche SR, Zhang Y, Atkinson AJ, Hao G, Boyett MR, Dobrzynski H:

Sinus node-like pacemaker mechanisms regulate ectopic pacemaker activity in the adult rat atrioventricular ring

Sci Rep. 2019 Aug 13;9(1):11781. doi: 10.1038/s41598-019-48276-0.

<http://dx.doi.org/10.1038/s41598-019-48276-0>

Longley MJ, Clark S, Yu Wai Man C, Hudson G, Durham SE, Taylor RW, Nightingale S, Turnbull DM, Copeland WC, Chinnery PF:

Mutant POLG2 disrupts DNA polymerase gamma subunits and causes progressive external ophthalmoplegia

Am J Hum Genet. 2006 Jun;78(6):1026-34.

[http://linkinghub.elsevier.com/retrieve/pii/S0002-9297\(07\)63923-8](http://linkinghub.elsevier.com/retrieve/pii/S0002-9297(07)63923-8)

Longuespée R, Casadonte R, Kriegsmann M, Pottier C, de Muller GP, Delvenne P, Kriegsmann J, De Pauw E:

MALDI mass spectrometry imaging: A cutting-edge tool for fundamental and clinical histopathology

Proteomics Clin Appl. 2016 May 17. doi: 10.1002/prca.201500140.

<http://dx.doi.org/10.1002/prca.201500140>

Longuespée R, Casadonte R, Kriegsmann M, Wandernoth P, Lisenko K, Mazzucchelli G, Becker M, Kriegsmann J:

Proteomic investigation of human cystic echinococcosis in the liver

Mol Biochem Parasitol. 2016 Dec 13;211:9-14. doi: 10.1016/j.molbiopara.2016.12.002.

[https://linkinghub.elsevier.com/retrieve/pii/S0166-6851\(16\)30165-7](https://linkinghub.elsevier.com/retrieve/pii/S0166-6851(16)30165-7)

Longuespée R, Casadonte R, Schwamborn K, Reuss D, Kazdal D, Kriegsmann K, von Deimling A, Weichert W, Schirmacher P, Kriegsmann J, Kriegsmann M:

Proteomics in pathology

Proteomics, 2017 Dec 13, 10.1002/pmic.201700361

<http://onlinelibrary.wiley.com/doi/10.1002/pmic.201700361/full>

Lopez-Varela E, Abulfathi AA, Strydom N, Goussard P, van Wyk AC, Demers AM, Deventer AV, Garcia-Prats AJ, van der Merwe J, Zimmerman M, Carter CL, Janson J, Morrison J, Reuter H, Decloedt EH, Seddon JA, Svensson EM, Warren R, Savic RM, Dartois V, Hesselning AC:

Drug concentration at the site of disease in children with pulmonary tuberculosis

J Antimicrob Chemother. 2022 Apr 25;dkac103. doi: 10.1093/jac/dkac103.

<https://academic.oup.com/jac/advance-article/doi/10.1093/jac/dkac103/6573919>

Lu C, Luo Z-F, Tang D, Zheng F, Li S, Liu S, Qiu J, Liu F, Dai Y, Sui W-G, Yan Q:

Proteomic analysis of glomeruli, tubules and renal interstitium in idiopathic membranous nephropathy (IMN): A statistically observational study

Medicine 2023;102:50(e36476).

<http://dx.doi.org/10.1097/MD.00000000000036476>

Lux TJ, Hu X, Ben-Kraiem A, Blum R, Tsung-Chieh Chen J, Rittner HL:

Regional Differences in Tight Junction Protein Expression in the Blood–DRG Barrier and Their Alterations after Nerve Traumatic Injury in Rats

Int. J. Mol. Sci. 2020, 21, 270; doi:10.3390/ijms21010270

<https://www.mdpi.com/1422-0067/21/1/270>

Luxen M, Zwiers PJ, Jongman RM, Moser J, Pultar M, Skalicky S, Diendorfer AB, Hackl M, van Meurs M, Molema G:

Sepsis Induces Heterogeneous Transcription of Coagulation- and Inflammation-Associated Genes in Renal Microvasculature

Chapter 7, thesis 2023

<https://doi.org/10.33612/diss.829869819>

Lyne SB, Girard R, Koskimäki J, Zeineddine HA, Zhang D, Cao Y, Li Y, Stadnik A, Moore T, Lightle R, Shi C, Shenkar R, Carrión-Penagos J, Polster SP, Romanos S, Akers A, Lopez-Ramirez M, Whitehead KJ, Kahn ML, Ginsberg MH, Marchuk DA, Awad IA

Biomarkers of cavernous angioma with symptomatic hemorrhage

JCI Insight. 2019 Jun 20;4(12). pii: 128577. doi: 10.1172/jci.insight.128577.

<https://insight.jci.org/articles/view/128577/pdf>

Ma M, Liu L, Shi R, Zhang J, Li X, LiX, Bai J, Wang J, Huang Y, Li T:

Copy number alteration profiling facilitates differential diagnosis between ossifying fibroma and fibrous dysplasia of the jaws

Int J Oral Sci. 2021 Jun 30;13(1):21. doi: 10.1038/s41368-021-00127-3.

<https://www.nature.com/articles/s41368-021-00127-3>

MacFarlane EG, Parker SJ, Shin JY, Ziegler SG, Creamer TJ, Bagirzadeh R, Bedja D, Chen Y, Calderon JF, Weissler K, Frischmeyer-Guerrero PA, Lindsay ME, Habashi JP, Dietz HC

Lineage-specific events underlie aortic root aneurysm pathogenesis in Loeys-Dietz syndrome

J Clin Invest. 2019 Feb 1;129(2):659-675. doi: 10.1172/JCI123547. Epub 2019 Jan 7.

<https://doi.org/10.1172/JCI123547>

Maeda S1, Morikawa T, Takadate T, Suzuki T, Minowa T, Hanagata N, Onogawa T, Motoi F, Nishimura T, Unno M:

Mass spectrometry-based proteomic analysis of formalin-fixed paraffin-embedded extrahepatic cholangiocarcinoma

J Hepatobiliary Pancreat Sci. 2015 Apr 27. doi: 10.1002/jhbp.262.

<http://dx.doi.org/10.1002/jhbp.262>

Maerkens A, Olivé M, Schreiner A, Feldkirchner S, Schessl J, Uszkoreit J, Barkovits K, Güttches AK, Theis V, Eisenacher M, Tegenthoff M, Goldfarb LG, Schröder R, Schoser B, van der Ven PF, Fürst DO, Vorgerd M, Marcus K, Kley RA:

New insights into the protein aggregation pathology in myotilinopathy by combined proteomic and immunolocalization analyses

Acta Neuropathol Commun. 2016 Feb 3;4(1):8. doi: 10.1186/s40478-016-0280-0.
<http://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-016-0280-0>

Maeshima Y, Kataoka TR, Vandenbon A, Hirata M, Takeuchi Y, Suzuki Y, Fukui Y, Kawashima M, Takada M, Ibi Y, Haga H, Morita S, Toi M, Kawaoka S, Kawaguchi K:

Intra-patient spatial comparison of non-metastatic and metastatic lymph nodes reveals a reduction in CD169+ macrophages within metastatic breast cancers

EBioMedicine. 2024 Aug 21;107:105271. doi: 10.1016/j.ebiom.2024.105271
<https://doi.org/10.1016/j.ebiom.2024.105271>

Maity S, Huang Y, Kilgore MD, Thurmon AN, Vaasjo LO, Galazo MJ, Xu X, Cao J, Wang X, Ning B, Liu N, Fan J:

Mapping dynamic molecular changes in hippocampal subregions after traumatic brain injury through spatial proteomics

Clin Proteomics. 2024 May 12;21(1):32. doi: 10.1186/s12014-024-09485-6.
<https://doi.org/10.1186/s12014-024-09485-6>

Malik S, Valdebenito S, D'Amico D, Prideaux B, Eugenin EA:

HIV infection of astrocytes compromises inter-organelle interactions and inositol phosphate metabolism: a potential mechanism of bystander damage and viral reservoir survival

Prog Neurobiol. 2021 Aug 26;102:157. doi: 10.1016/j.pneurobio.2021.102157.
<https://www.sciencedirect.com/science/article/pii/S0301008221001714>

Mao Y, Chen Y, Li Y, Ma L, Wang X, Wang Q, He A, Liu X, Dong T, Gao W, Xu Y, Liu L, Ren L, Liu Q, Zhou P, Hu B, Zhou Y, Tian R, Shi ZL:

Deep spatial proteomic exploration of severe COVID-19-related pulmonary injury in post-mortem specimens

bioRxiv, 17 Jul 2023, doi: <https://doi.org/10.1101/2023.07.14.548971>
<https://doi.org/10.1101/2023.07.14.548971>

Mao Y, Chen Y, Li Y, Ma L, Wang X, Wang Q, He A, Liu X, Dong T, Gao W, Xu Y, Liu L, Ren L, Liu Q, Zhou P, Hu B, Zhou Y, Tian R, Shi ZL:

Deep spatial proteomics reveals region-specific features of severe COVID-19-related pulmonary injury

Cell Rep. 2024 Jan 18;43(2):113689. doi: 10.1016/j.celrep.2024.113689.
<https://doi.org/10.1016/j.celrep.2024.113689>

Marazuela P, Solé M, Bonaterra-Pastra A, Pizarro J, Camacho J, Martínez-Sáez E, Kuiperij HB, Verbeek MM, de Kort AM, Schreuder FHBM, Klijn CJM, Castillo-Ribelles L, Pancorbo O, Rodríguez-Luna D, Pujadas F, Delgado P, Hernández-Guillamon M:

MFG-E8 (LACTADHERIN): a novel marker associated with cerebral amyloid angiopathy

Acta Neuropathol Commun. 2021 Sep 16;9(1):154. doi: 10.1186/s40478-021-01257-9.
<https://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-021-01257-9>

Marchiano S, Nakamura K, Reinecke H, Neidig L, Lai M, Kadota S, Perbellini F, Yang X, Klaiman JM, Blakely LP, Karbassi E, Fields PA, Fenix AM, Beussman KM, Jayabalu A, Kalucki FA, Futakuchi-Tsuchida A, Weber GJ, Dupras S, Tsuchida H, Pabon L, Wang L, Knollmann BC, Kattman S, Thies RS, Sniadecki N, MacLellan WR, Bertero A, Murry CE:

Gene editing to prevent ventricular arrhythmias associated with cardiomyocyte cell therapy

Cell Stem Cell. 2023 Apr 6;30(4):396-414.e9. doi: 10.1016/j.stem.2023.03.010.

<https://doi.org/10.1016/j.stem.2023.03.010>

Mardamshina M, Dorka N, Thielert M, Bjoerklund F, Navarro FB, Casals AM, Kovacs F, Fox JEM, Horvath P, Macdonald PE, Mann M, Lundberg:

Multiplexed Deep Visual Proteomics Unveils Spatial Heterogeneity and Rare Endocrine States in Human Adult Pancreatic Islets

bioRxiv 27 April 2025

<https://doi.org/10.1101/2025.04.27.650857>

Marino N, German R, Rao X, Simpson E, Liu S, Wan J, Liu Y, Sandusky G, Jacobsen M, Stoval M, Cao S, and Storniolio AMV:

Upregulation of lipid metabolism genes in the breast prior to cancer diagnosis

npj Breast Cancer volume 6, Article number: 50 (6 Oct 2020)

<https://www.nature.com/articles/s41523-020-00191-8#Sec20>

Matsuda A, Boottanun P, Koizumi S, Nagai M, Kuno A:

Differential Glycoform Analysis of MUC1 Derived from Biological Specimens Using an Antibody-Overlay Lectin Microarray

Methods Mol Biol. 2024;2763:223-236. doi: 10.1007/978-1-0716-3670-1_19.

https://link.springer.com/protocol/10.1007/978-1-0716-3670-1_19

Matsui S, Kagara N, Mishima C, Naoi Y, Shimoda M, Shimomura A, Shimazu K, Kim SJ, Noguchi S:

Methylation of the SEPT9_v2 promoter as a novel marker for the detection of circulating tumor DNA in breast cancer patients

Oncol Rep. 2016 Aug 4. doi: 10.3892/or.2016.5004.

<http://www.spandidos-publications.com/10.3892/or.2016.5004>

Matsunoki A, Kawakami K, Kotake M, Kaneko M, Kitamura H, Ooi A, Watanabe G, Minamoto T:

LINE-1 methylation shows little intra-patient heterogeneity in primary and synchronous metastatic colorectal cancer

BMC Cancer. 2012 Dec 5;12(1):574.

<http://www.biomedcentral.com/content/pdf/1471-2407-12-574.pdf>

Matsuo H, Shiga S, Imai T, Kamikubo Y, Toki T, Terui K, Ito E, Adachi S

Purification of leukemic blast cells from blood smears using laser microdissection

Int J Hematol. 2017 Apr 13. doi: 10.1007/s12185-017-2227-z.

<https://dx.doi.org/10.1007/s12185-017-2227-z>

Matsushita K, Toyoda T, Akane H, Morikawa T, Ogawa K:

CD44 expression in renal tubular epithelial cells in the kidneys of rats with cyclosporine-induced chronic kidney disease

J Toxicol. Pathology, 2023 Dec 18.

https://www.jstage.jst.go.jp/article/tox/advpub/0/advpub_2023-0111/_pdf

Matsushita K, Toyoda T, Akane H, Morikawa T, Ogawa K:

Role of CD44 expressed in renal tubules during maladaptive repair in renal fibrogenesis in an allopurinol-induced rat model of chronic kidney disease

J Appl Toxicol. 2023 Oct 24. doi: 10.1002/jat.4554.

<https://doi.org/10.1002/jat.4554>

Matsuyama S, Pervin M, Nakagawa M, Izawa T, Kuwamura M, Yamate J:

Properties of macrophages and lymphocytes appearing in rat renal fibrosis followed by repeated injection of cisplatin

J Vet Med Sci. 2021 Jul 22. doi: 10.1292/jvms.21-0341.

https://www.jstage.jst.go.jp/article/jvms/advpub/0/advpub_21-0341/_pdf

Mazzarella G, Iacomino G, Luca P, Iaquinto S, Fabiana C, Troncone R, Aufiero VR:

Cell-type-specific gene expression profile by laser capture microdissection on mirror sections

J Immunol Methods. 2022 Apr 24:113276. doi: 10.1016/j.jim.2022.113276.

<https://www.sciencedirect.com/science/article/abs/pii/S0022175922000631>

Mazzarella G, Marano A, Stillitano I, Rotondi Aufiero V, Prezioso M, Bevilacqua RM, Iaquinto G, Giardullo N, Iacomino G:

Poster 27: Cytokine profile in celiac disease: a laser capture microdissection approach

<http://www.aiclaio.it/attivita-e-notizie/archivio/allegati/POSTER%2027%20-%20Mazzarella.pdf>

McDaniel K, Huang L, Sato K, Wu N, Annable T, Zhou T, Ramos-Lorenzo S, Wan Y, Huang Q, Francis H, Glaser S, Tsukamoto H, Alpini G, Meng F:

The let-7/lin28 axis regulates activation of hepatic stellate cells in alcoholic liver injury

J Biol Chem. 2017 May 23. pii: jbc.M116.773291. doi: 10.1074/jbc.M116.773291.

<http://www.jbc.org/content/early/2017/05/23/jbc.M116.773291.short>

McDaniel K, Meng F, Wu N, Sato K, Venter J, Bernuzzi F, Invernizzi P, Zhou T, Kyritsi K, Wan Y, Huang Q, Onori P, Francis H, Gaudio E, Glaser S, Alpini G:

Forkhead box A2 regulated biliary heterogeneity and senescence during cholestatic liver injury

Hepatology. 2016 Sep 17. doi: 10.1002/hep.28831.

<http://dx.doi.org/10.1002/hep.28831>

McDaniel K, Wu N, Zhou T, Huang L, Sato K, Venter J, Ceci L, Chen D, Ramos-Lorenzo S, Invernizzi P, Bernuzzi F, Wu C, Francis H, Glaser S, Alpini G, Meng F:

Amelioration of Ductular Reaction by Stem Cell Derived Extracellular Vesicles in MDR2 knockout mice via let-7 microRNA

Hepatology. 2019 Feb 5. doi: 10.1002/hep.30542.

<https://doi.org/10.1002/hep.30542>

Meng Z, Edman MC, Hsueh PY, Chen CY, Klinngam W, Tolmachova T, Okamoto CT, Hamm-Alvarez SF:

Imbalanced Rab3D versus Rab27 increases cathepsin S secretion from lacrimal acini in a mouse model of Sjögren's Syndrome

Am J Physiol Cell Physiol. 2016 Apr 13:ajpcell.00275.2015. doi: 10.1152/ajpcell.00275.2015.

<http://ajpcell.physiology.org/cgi/pmidlookup?view=reprint&pmid=27076615>

Merchant ML, Barati MT, Caster DJ, Hata JL, Hobeika L, Coventry S, Brier ME, Wilkey DW, Li M, Rood IM, Deegens JK, Wetzels JF, Larsen CP, Troost JP, Hodgins JB, Mariani LH, Kretzler M, Klein JB, McLeish KR:

Proteomic Analysis Identifies Distinct Glomerular Extracellular Matrix in Collapsing Focal Segmental Glomerulosclerosis

J Am Soc Nephrol. 2020 Jun 19:ASN.2019070696. doi: 10.1681/ASN.2019070696.

<http://jasn.asnjournals.org/cgi/pmidlookup?view=long&pmid=32561683>

Milani P, Dispenzieri A, Scott CG, Gertz MA, Perlini S, Mussinelli R, Lacy MQ, Buadi FK, Kumar S, Maurer MS, Merlini G, Hayman SR, Leung N, Dingli D, Klarich KW, Lust JA, Lin Y, Kapoor P, Go RS, Pellikka PA, Hwa YI, Zeldenrust SR, Kyle RA, Rajkumar SV, Grogan M:

Independent Prognostic Value of Stroke Volume Index in Patients With Immunoglobulin Light Chain Amyloidosis

Circ Cardiovasc Imaging. 2018 May;11(5):e006588. doi: 10.1161/CIRCIMAGING.117.006588.

<http://circimaging.ahajournals.org/content/11/5/e006588>

Mirkovic J, Howitt BE, Roncarati P, Demoulin S, Suarez-Carmona M, Hubert P, McKeon FD, Xian W, Lee A, Delvenne P, Crum CP, Herfs M:

Carcinogenic HPV infection in the cervical squamo-columnar junction

J Pathol. 2015 Mar 18. doi: 10.1002/path.4533.

<http://dx.doi.org/10.1002/path.4533>

Mishima C, Kagara N, Tanei T, Naoi Y, Shimoda M, Shimomura A, Shimazu K, Kim SJ, Noguchi S:
Mutational analysis of MED12 in fibroadenomas and phyllodes tumors of the breast by means of targeted next-generation sequencing

Breast Cancer Res Treat. 2015 Jun 21.

<http://dx.doi.org/10.1007/s10549-015-3469-1>

Mittal P, Klingler-Hoffmann M, Arentz G, Winderbaum L, Kaur G, Anderson L, Scurry J, Leung Y, Stewart CJ, Carter J, Hoffmann P, Oehler MK:

Annexin A2 and alpha actinin 4 expression correlates with metastatic potential of primary endometrial cancer

Biochim Biophys Acta. 2016 Oct 23. pii: S1570-9639(16)30221-7. doi: 10.1016/j.bbapap.2016.10.010.

[http://linkinghub.elsevier.com/retrieve/pii/S1570-9639\(16\)30221-7](http://linkinghub.elsevier.com/retrieve/pii/S1570-9639(16)30221-7)

Miyahara Y, Hu C, Moriyama M, Kaneko N, Haque RASM, Chinju A, Kai K, Sakamoto M, Kakizoe-Ishiguro N, Yamauchi M, Ogata K, Kiyoshima T, Kawano S, Nakamura S:

Toll-like receptor 9-positive plasmacytoid dendritic cells promote Th17 immune responses in oral lichen planus stimulated by epithelium-derived cathepsin K

Research Square, 21 Aug 2023

<https://doi.org/10.21203/rs.3.rs-3256830/v1>

Miyake Y, Obana M, Yamamoto A, Noda S, Tanaka K, Sakai H, Tatsumoto N, Makino C, Kanemoto S, Shioi G, Tanaka S, Maeda M, Okada Y, Imaizumi K, Asanuma K, Fujio Y:

Upregulation of OASIS/CREB3L1 in podocytes contributes to the disturbance of kidney homeostasis

Commun Biol. 2022 Jul 22;5(1):734. doi: 10.1038/s42003-022-03709-x.

<https://www.nature.com/articles/s42003-022-03709-x>

Miyamoto T, Ida K, Tanaka Y, Asaka S, and Shiozawa T:

Whole-exome Sequence Analysis of Gastric-type Adenocarcinoma of the Uterine Cervix and Adjacent Lobular Endocervical Glandular Hyperplasia in the Same Case

International Journal of Gynecological Pathology ():10.1097/PGP.0000000000001052, July 29, 2024.

<https://dx.doi.org/10.1097/PGP.0000000000001052>

Mochizuki T, Hata T, Mori N, Yamazaki T, Noto T, Mano H:

Trans-eyelid distribution of epinastine to the conjunctiva following eyelid application in rabbits

Jpn J Ophthalmol. 2024 May 25. doi: 10.1007/s10384-024-01070-6.

<https://doi.org/10.1007/s10384-024-01070-6>

Mohan RA, Bosada FM, van Weerd JH, van Duijvenboden K, Wang J, Mommersteeg MTM, Hooijkaas IB, Wakker V, de Gier-de Vries C, Coronel R, Boink GJJ, Bakkers J, Barnett P, Boukens BJ, Christoffels VM:

T-box transcription factor 3 governs a transcriptional program for the function of the mouse atrioventricular conduction system

Proc Natl Acad Sci U S A. 2020 Jul 16;201919379. doi: 10.1073/pnas.1919379117.

<https://www.pnas.org/content/early/2020/07/15/1919379117.short>

Moldovan L-I, Birballe Hansen T, Trillingsgaard Venø M, Okholm TLH, Andersen TL, Hager H, Iversen L, Kjems J, Johansen C, Kristensen LS:

High-throughput RNA sequencing from paired lesional- and non-lesional skin reveals major alterations in the psoriasis circRNAome

bioRxiv, 581066; doi: <https://doi.org/10.1101/581066>

<https://www.biorxiv.org/content/10.1101/581066v1>

Mollee P, Renaut P, Gottlieb D, Goodman H:

How to diagnose amyloidosis

Intern Med J. 2013 Sep 12. doi: 10.1111/imj.12288.

<http://dx.doi.org/10.1111/imj.12288>

Møller LBP, Kromann B, Kabatnik S, Hjortlund JH, Haulrig MB, Sølberg JBK, Bzorek M, Clark RA, Skov L, Mann M, Løvendorf MB, Dyring-Andersen B

Spatial Proteomic Profiling Reveals Increased Levels of Cholesterol Synthesis Proteins in Psoriasis Vulgaris

J Invest Dermatol. 2025 May 22:S0022-202X(25)00489-0. doi: 10.1016/j.jid.2025.05.002.

<https://doi.org/10.1016/j.jid.2025.05.002>

Montalbano AM, Di Sano C, Chiappara G, Riccobono L, Bonanno A, Anzalone G, Vitulo P, Pipitone L, Gjomarkaj M, Pieper MP, Ricciardolo FLM, Gagliardo RP, Profita M:

Cigarette smoke and non-neuronal cholinergic system in the airway epithelium of COPD patients

J Cell Physiol. 2017 Dec 11. doi: 10.1002/jcp.26377.

<http://onlinelibrary.wiley.com/doi/10.1002/jcp.26377/full>

Moore L, Leongamornlert D, Coorens THH, Sanders MA, Ellis P, Dentre SC, Dawson KJ, Butler T, Rahbari R, Mitchell TJ, Maura F, Nangalia J, Tarpey PS, Brunner SF, Lee-Six H, Hooks Y, Moody S, Mahbubani KT, Jimenez-Linan M, Brosens JJ, Iacobuzio-Donahue CA, Martincorena I, Saeb-Parsy K, Campbell PJ, Stratton MR:

The mutational landscape of normal human endometrial epithelium.

Nature. 2020 Apr;580(7805):640-646. doi: 10.1038/s41586-020-2214-z.

<https://doi.org/10.1038/s41586-020-2214-z>

Moutsopoulos NM, Nares S, Nikitakis N, Rangel Z, Wen J, Munson P, Sauk J, Wahl SM:

Tonsil epithelial factors may influence oropharyngeal human immunodeficiency virus transmission

Am J Pathol. 2007 Aug;171(2):571-9. Epub 2007 Jul 9.

<http://www.ncbi.nlm.nih.gov/pmc/articles/pmid/17620369/>

Mucaj V, Lee SS, Skuli N, Giannoukos DN, Qiu B, Eisinger-Mathason TS, Nakazawa MS, Shay JE, Gopal PP, Venneti S, Lal P, Minn AJ, Simon MC, Mathew LK:

MicroRNA-124 expression counteracts pro-survival stress responses in glioblastoma

Oncogene. 2014 Jun 23. doi: 10.1038/onc.2014.168.

<http://dx.doi.org/10.1038/onc.2014.168>

Müller B, Serafin F, Laucke LL, Rheinhard W, Wimmer T, Stieger K:

Characterization of Double-Strand Break Repair Protein Ku80 Location Within the Murine Retina

Invest Ophthalmol Vis Sci. 2022 Jun 1;63(6):22. doi: 10.1167/iovs.63.6.22.

<https://iovs.arvojournals.org/article.aspx?articleid=2783427>

Muñoz-Blat I, Pérez-Moraga R, Castillo-Marco N, Cordero T, Ochando A, Ortega-Sanchís S, Parras M, Monfort-Ortiz R, Satorres-Perez E, Novillo B, Perales A, Gormley M, Granados-Aparici S, Noguera R, Roson B, Fisher SJ, Simón C, Garrido-Gómez T:

Multi-omics-based mapping of decidualization resistance in patients with a history of severe preeclampsia

Nat Med. 2025 Jan 7. doi: 10.1038/s41591-024-03407-7.

<https://doi.org/10.1038/s41591-024-03407-7>

Murakami I, Matsushita M, Iwasaki T, Kuwamoto S, Kato M, Horie Y, Hayashi K, Imamura T, Morimoto A, Imashuku S, Gogusev J, Jaubert F, Takata K, Oka T, Yoshino T:

Merkel cell polyomavirus DNA sequences in peripheral blood and tissues from patients with Langerhans cell histiocytosis

Hum Pathol. 2014 Jan;45(1):119-26. doi: 10.1016/j.humpath.2013.05.028.

<http://www.humanpathol.com/article/S0046-8177%2813%2900367-5/abstract>

Murakami K, Hata S, Ishibashi N, Kubota M, Eishi Y, Uchida K, Tabata T, Nakamura Y, Murakami K :
A Solitary Necrotizing Sarcoid Granulomatosis-like Pulmonary Lesion Possibly Associated with Propionibacterium Acnes and Mycobacterium Avium.

Intern Med. 2021 Jun 12. doi: 10.2169/internalmedicine.7162-21.

https://www.jstage.jst.go.jp/article/internalmedicine/advpub/0/advpub_7162-21/_pdf

Murayama N, Miyaki T, Okuzaki D, Shibata Y, Koji T, Inoue A, Aoki J, Hayashi H, Tanaka Y, Murota H:

Transcriptome profiling of anhidrotic eccrine sweat glands reveals that olfactory receptors on eccrine sweat glands regulate perspiration in a ligand-dependent manner

JID Innovations (2023), doi: <https://doi.org/10.1016/j.xjidi.2023.100196>.

<https://doi.org/10.1016/j.xjidi.2023.100196>

Murgia M, Tan J, Geyer PE, Doll S, Mann M, Klopstock T:

Proteomics of Cytochrome c Oxidase-Negative versus -Positive Muscle Fiber Sections in Mitochondrial Myopathy

Cell Reports, Volume 29, Issue 12, 17 Dec 2019, Pages 3825-3834.e4

<https://www.sciencedirect.com/science/article/pii/S2211124719315372>

Nagai-Okatani C, Nishigori M, Sato T, Minamino N, Kaji H, Kuno A:

Wisteria floribunda agglutinin staining for the quantitative assessment of cardiac fibrogenic activity in a mouse model of dilated cardiomyopathy

Lab Invest. 2019 Jun 28. doi: 10.1038/s41374-019-0279-9.

<https://www.nature.com/articles/s41374-019-0279-9>

Nagata M, Nuckolls GH, Wang X, Shum L, Seki Y, Kawase T, Takahashi K, Nonaka K, Takahashi I, Noman AA, Suzuki K, Slavkin HC:

The primary site of the acrocephalic feature in Apert Syndrome is a dwarf cranial base with accelerated chondrocytic differentiation due to aberrant activation of the FGFR2 signaling

Bone. 2011 Apr 1;48(4):847-56.

<http://www.thebonejournal.com/article/S8756-3282%2810%2902045-4/abstract>

Nakamura J, Yamamoto T, Takabatake Y, Namba-Hamano T, Takahashi A, Matsuda J, Minami S, Sakai S, Yonishi H, Maeda S, Matsui S, Kawai H, Matsui I, Yamamuro T, Eda Hiro R, Takashima S, Takasawa A, Okada Y, Yoshimori T, Ballabio A, Isaka Y:

Age-related TFEB downregulation in proximal tubules causes systemic metabolic disorders and occasional apolipoprotein A4-related amyloidosis

JCI Insight. 2024 Dec 19:e184451. doi: 10.1172/jci.insight.184451.

<https://doi.org/10.1172/jci.insight.184451>

Nakanishi T, Fujita Y, Yamashita T:

Neuropilin-1-mediated pruning of corticospinal tract fibers is required for motor recovery after spinal cord injury

Cell Death Dis. 2019 Jan 25;10(2):67. doi: 10.1038/s41419-019-1338-2.

<https://www.nature.com/articles/s41419-019-1338-2.pdf>

Nakano Y, Nakatani Y, Takami M, Taniyama Y, Arima S:

Diverse associations between oxidative stress and thromboxane A2 in hypertensive glomerular injury

Hypertens Res. 2018 Dec 13. doi: 10.1038/s41440-018-0162-x.

<http://dx.doi.org/10.1038/s41440-018-0162-x>

Naqvi A, Bonert M, Finley C, Czarnecka-Kujawa K, Yasufuku K, Schwock J, Kulasingam V, John R, Ko HM:

Role of EBUS-TBNA/EUS-FNA and mass spectrometry for diagnosis and typing of lymph node amyloidosis: 10-year experience in two tertiary care academic centers

Cancer Cytopathol. 2023 Aug 28. doi: 10.1002/cncy.22751.

<https://doi.org/10.1002/cncy.22751>

Nasr SH, Chavez O, Dasari S, Theis JD, Vrana JA, Fatima H, Fu L, Baliga RS, McPhail ED:

Donor-Derived ALECT2 Amyloidosis and Recurrent Fibrillary Glomerulonephritis in a Transplant Allograft

Kidney Medicine, 16 Feb 2021, <https://doi.org/10.1016/j.xkme.2020.11.019>

<https://www.sciencedirect.com/science/article/pii/S2590059521000236>

Nasr SH, Kudose S, Javaugue V, Harel S, Said SM, Pascal V, Stokes MB, Vrana JA, Dasari S, Theis JD, Osuchukwu GA, Sathick IJ, Das A, Kashkouli A, Suchin EJ, Liss Y, Suldan Z, Verine J, Arnulf B, Talbot A, Sethi S, Zaidan M, Goujon JM, Valeri AM, McPhail ED, Sirac C, Leung N, Bridoux F, D'Agati VD:

Pathological characteristics of light chain crystalline podocytopathy

Kidney International (2023), doi: <https://doi.org/10.1016/j.kint.2022.11.026>.

<https://doi.org/10.1016/j.kint.2022.11.026>

Nasr SH, Said SM, Valeri AM, Sethi S, Fidler ME, Cornell LD, Gertz MA, Dispenzieri A, Buadi FK, Vrana JA, Theis JD, Dogan A, Leung N:

The diagnosis and characteristics of renal heavy-chain and heavy/light-chain amyloidosis and their comparison with renal light-chain amyloidosis

Kidney Int. 2013 Jan 9. doi: 10.1038/ki.2012.414.

<http://dx.doi.org/10.1038/ki.2012.414>

Nasr SH, Vrana JA, Dasari S, Bridoux F, Fidler ME, Kaaki S, Quellard N, Rinsant A, Goujon JM, Sethi S, Fervenza FC, Cornell LD, Said SM, McPhail E, Herrera Hernandez LP, Grande JP, Hogan MC, Lieske JC, Leung N, Kurtin PJ, Alexander MP:

DNAJB9 is a Specific Immunohistochemical Marker for Fibrillary Glomerulonephritis

Kidney International Reports (31 Jul 2017), doi: 10.1016/j.ekir.2017.07.017.

[http://www.kireports.org/article/S2468-0249\(17\)30341-8/pdf](http://www.kireports.org/article/S2468-0249(17)30341-8/pdf)

Natarelli L, Geißler C, Csaba G, Wei Y, Zhu M, di Francesco A, Hartmann P, Zimmer R, Schober A:

miR-103 promotes endothelial maladaptation by targeting IncWDR59

Nat Commun. 2018 Jul 6;9(1):2645. doi: 10.1038/s41467-018-05065-z.

<http://dx.doi.org/10.1038/s41467-018-05065-z>

Nave AH, Mižíková I, Niess G, Steenbock H, Reichenberger F, Talavera ML, Veit F, Herold S, Mayer K, Vadász I, Weissmann N, Seeger W, Brinckmann J, Morty RE:

Lysyl Oxidases Play a Causal Role in Vascular Remodeling in Clinical and Experimental Pulmonary Arterial Hypertension

Arterioscler Thromb Vasc Biol. 2014 May 15. pii: ATVBAHA.114.303534.

<http://atvb.ahajournals.org/cgi/pmidlookup?view=long&pmid=24833797>

Nawata A, Hisano S, Shimajiri S, Wang KY, Tanaka Y, Nakayama T:

Podocyte and endothelial cell injury develop nephrotic syndrome in proliferative lupus nephritis

Histopathology. 2017 Dec 15. doi: 10.1111/his.13454.

<https://dx.doi.org/10.1111/his.13454>

Newberry EP, Xie Y, Lodeiro C, Solis R, Moritz W, Kennedy S, Barron L, Onufer E, Alpini G, Zhou T, Blaner WS, Chen A, Davidson NO:

Hepatocyte and stellate cell deletion of liver fatty acid binding protein reveals distinct roles in fibrogenic injury

FASEB J. 2018 Dec 21:fj201801976R. doi: 10.1096/fj.201801976R.
<https://www.fasebj.org/doi/abs/10.1096/fj.201801976R>

Nguyen TT, Hachisuga T, Urabe R, Kurita T, Kagami S, Kawagoe T, Shimajiri S, Nabeshima K:
Significance of p53 expression in background endometrium in endometrial carcinoma
Virchows Arch. 2015 Mar 19.
<http://dx.doi.org/10.1007/s00428-015-1752-5>

Ning X, Yin Z, Li Z, Xu J, Wang L, Shen W, Lu Y, Cai G, Zhang X, Chen X:
Comparative proteomic analysis of urine and laser microdissected glomeruli in IgA nephropathy
Clin Exp Pharmacol Physiol. 2017 Jan 21. doi: 10.1111/1440-1681.12733.
<http://dx.doi.org/10.1111/1440-1681.12733>

Nishida Y, Aida K, Kihara M, Kobayashi T:
Antibody-validated proteins in inflamed islets of fulminant type 1 diabetes profiled by laser-capture microdissection followed by mass spectrometry
PLoS One. 2014 Oct 16;9(10):e107664. doi: 10.1371/journal.pone.0107664. eCollection 2014.
<http://dx.plos.org/10.1371/journal.pone.0107664>

Nishimura T, Kato H, Ikeda N, Kihara M, Nomura M, Kato Y and Marko-Varga G:
Cancer Phenotype Diagnosis and Drug Efficacy within Japanese Health Care
International Journal of Proteomics, Volume 2012 (2012), Article ID 921901
<http://www.hindawi.com/journals/ijpro/2012/921901/>

Nishio M, Kunisaki R, Shibata W, Ajioka Y, Hirasawa K, Takase A, Chiba S, Inayama Y, Ueda W, Okawa K, Otake H, Ogashiwa T, Kinoshita H, Saigusa Y, Kimura H, Kato J, Maeda S:
Serrated polyps in patients with ulcerative colitis: Unique clinicopathological and biological characteristics
PLoS One. 2023 Feb 24;18(2):e0282204. doi: 10.1371/journal.pone.0282204.
<https://doi.org/10.1371/journal.pone.0282204>

Noberini R, Bonaldi T :
Mass Spectrometry-Based Analysis of Histone Posttranslational Modifications from Laser Microdissected Samples
Methods Mol Biol. 2023;2718:271-283. doi: 10.1007/978-1-0716-3457-8_15.
https://doi.org/10.1007/978-1-0716-3457-8_15

Noberini R, Longuespée R, Richichi C, Pruneri G, Kriegsmann M, Pelicci G, Bonaldi T
PAT-H-MS coupled with laser microdissection to study histone post-translational modifications in selected cell populations from pathology samples
Clin Epigenetics. 2017 Jul 11;9:69. doi: 10.1186/s13148-017-0369-8. eCollection 2017.
<https://clinicaledgejournal.biomedcentral.com/articles/10.1186/s13148-017-0369-8>

Noberini R, Restellini C, Oliva Savoia E, Bonaldi T:
Enrichment of histones from patient samples for mass spectrometry-based analysis of post-translational modifications
Methods. 2019 Oct 9. pii: S1046-2023(19)30136-7. doi: 10.1016/j.ymeth.2019.10.001.
[https://linkinghub.elsevier.com/retrieve/pii/S1046-2023\(19\)30136-7](https://linkinghub.elsevier.com/retrieve/pii/S1046-2023(19)30136-7)

Noguchi R, Yano H, Gohda Y, Suda R, Igari T, Ohta Y, Yamashita N, Yamaguchi K, Terakado Y, Ikenoue T, Furukawa Y:
Molecular profiles of high-grade and low-grade pseudomyxoma peritonei
Cancer Med. 2015 Oct 16. doi: 10.1002/cam4.542.
<http://dx.doi.org/10.1002/cam4.542>

Nordmann TM, Anderton H, Hasegawa A, Schweizer L, Zhang P, Stadler P-C, Sinha A, Metousis A, Rosenberger FA, Zwiebel M, Satoh TK, Anzengruber F, Tanzer MC, Saito Y, Gong T, Thielert M, Kimura H, Silke N, Rodriguez EH, Gaetana R, Nguyen HH, Gross A, Levesque MP, Murray PJ, Ingen-Housz-Oro S, Mund A, Abe R, Silke J, Ji C, French LE, Mann M:

Single-cell spatial proteomics identifies the JAK/STAT pathway as an actionable therapeutic target in lethal cutaneous drug reactions

medRxiv preprint, November 12, 2023

<https://doi.org/10.1101/2023.11.11.23295492>

Nordmann TM, Anderton H, Hasegawa A, Schweizer L, Zhang P, Stadler PC, Sinha A, Metousis A, Rosenberger FA, Zwiebel M, Satoh TK, Anzengruber F, Strauss MT, Tanzer MC, Saito Y, Gong T, Thielert M, Kimura H, Silke N, Rodriguez EH, Restivo G, Nguyen HH, Gross A, Feldmeyer L, Joerg L, Levesque MP, Murray PJ, Ingen-Housz-Oro S, Mund A, Abe R, Silke J, Ji C, French LE, Mann M:

Spatial proteomics identifies JAKi as treatment for a lethal skin disease

Nature. 2024 Oct 16. doi: 10.1038/s41586-024-08061-0.

<https://www.nature.com/articles/s41586-024-08061-0>

Norwig C:

Expression profile of tight junction proteins in streptozocin-induced polyneuropathy in rats

Thesis, 2021, German language

[https://opus.bibliothek.uni-wuerzburg.de/opus4-](https://opus.bibliothek.uni-wuerzburg.de/opus4-wuerzburg/frontdoor/deliver/index/docId/26089/file/Norwig_Carla_Dissertation.pdf)

[wuerzburg/frontdoor/deliver/index/docId/26089/file/Norwig_Carla_Dissertation.pdf](https://opus.bibliothek.uni-wuerzburg.de/opus4-wuerzburg/frontdoor/deliver/index/docId/26089/file/Norwig_Carla_Dissertation.pdf)

Nuthikattu S, Milenkovic D, Rutledge JC, Villablanca AC:

Lipotoxic Injury Differentially Regulates Brain Microvascular Gene Expression in Male Mice

Nutrients. 2020 Jun 13;12(6):E1771. doi: 10.3390/nu12061771.

<https://www.mdpi.com/resolver?pii=nu12061771>

Ohara R, Michikami H, Nakamura Y, Sakata A, Sakashita S, Satomi K, Shiba-Ishii A, Kano J, Yoshikawa H, Noguchi M:

Moesin overexpression is a unique biomarker of adenomyosis

Pathol Int. 2014 Mar;64(3):115-22. doi: 10.1111/pin.12148.

<http://onlinelibrary.wiley.com/doi/10.1111/pin.12148/abstract>

Oichi T, Taniguchi Y, Soma K, Oshima Y, Yano F, Mori Y, Chijimatsu R, Kim-Kaneyama JR, Tanaka S, Saito T

Adams17 is involved in skeletogenesis through modulation of BMP-Smad1/5/8 pathway

Cell Mol Life Sci. 2019 Jun 14. doi: 10.1007/s00018-019-03188-0.

<https://dx.doi.org/10.1007/s00018-019-03188-0>

Okami N, Wakui H, Tanaka S, Kobayashi R, Tsukamoto S, Taguchi S, Morita R, Kubo E, Yamashita A, Azushima K, Tamura K:

Effects of proximal tubule-specific ATRAP enhancement on hypertension in a remnant kidney chronic kidney disease model of mice

Sci Rep. 2025 Jul 28;15(1):27391. doi: 10.1038/s41598-025-12168-3.

<https://doi.org/10.1038/s41598-025-12168-3>

Okayama N, Nishioka M, Nakahara Y, Miyahara Y (article in Japanese):

Changes in genetic tests: Future from the past methods using nucleic acid extraction

Japanese Journal of Medical Technology, Vol. 64 (2015) No. 6 p. 666-674

https://www.jstage.jst.go.jp/article/jamt/64/6/64_15-49/_article

Olafsson S, Anderson CA:

Somatic mutations provide important and unique insights into the biology of complex diseases.

Trends Genet. 2021 Jul 3:S0168-9525(21)00168-2. doi: 10.1016/j.tig.2021.06.012.

<https://www.sciencedirect.com/science/article/pii/S0168952521001682>

Olafsson S, McIntyre RE, Coorens T, Butler T, Jung H, Robinson P, Lee-Six H, Sanders MA, Arestang K, Dawson C, Tripathi M, Strongili K, Hooks Y, Stratton MR, Parkes M, Martincorena I, Raine T, Campbell PJ, Anderson CA:

Somatic evolution in non-neoplastic IBD-affected colon

bioRxiv, 12 Mar 2020, doi: <https://doi.org/10.1101/832014>

<https://www.biorxiv.org/content/10.1101/832014v2>

Olszewski K:

Differentielle Genexpressionsanalysen aus Muskeleinzelfasern bei mitochondrialen Myopathien

Thesis (German only), 2018

https://edoc.ub.uni-muenchen.de/23376/1/Olszewski_Konrad.pdf

O'Malley KJ, Eisermann K, Pascal LE, Parwani AV, Majima T, Graham L, Hrebinko K, Acquafondata M, Stewart NA, Nelson JB, Yoshimura N, Wang Z:

Proteomic analysis of patient tissue reveals PSA protein in the stroma of benign prostatic hyperplasia

Prostate. 2014 Apr 7. doi: 10.1002/pros.22807.

<http://dx.doi.org/10.1002/pros.22807>

Ono N, Kusunoki T, Miwa M, Hirotsu M, Shiozawa A, and Ikeda K:

Reduction in Superoxide Dismutase Expression in the Epithelial Mucosa of Eosinophilic Chronic Rhinosinusitis with Nasal Polyps

Int Arch Allergy Immunol 2013;162:75-82 (DOI: 10.1159/000353122)

<http://www.karger.com/Article/FullText/353122>

Ono-Minagi H, Nohno T, Takabatake K, Tanaka T, Katsuyama T, Miyawaki K, Wada J, Ibaragi S, Iida S, Yoshino T, Nagatsuka H, Sakai T, Ohuchi H:

Histological differences related to autophagy in the minor salivary gland between primary and secondary types of Sjögren's syndrome

BMC Oral Health. 2024 Sep 16;24(1):1099. doi: 10.1186/s12903-024-04869-4.

<https://doi.org/10.1186/s12903-024-04869-4>

Ortega-García MV, Salguero FJ, García N, Domínguez M, Moreno I, Berrocal A :

Equine infection with Leishmania spp. in Costa Rica: Study of five cases.

Vet Med Sci. 2021 Aug 2. doi: 10.1002/vms3.587.

<https://onlinelibrary.wiley.com/doi/epdf/10.1002/vms3.587>

Ortega-García MV, Salguero FJ, Rodríguez-Bertos A, Moreno I, García N, García-Seco T, Luz Torre G, Domínguez L, Domínguez M :

A pathological study of Leishmania infantum natural infection in European rabbits (Oryctolagus cuniculus) and Iberian hares (Lepus granatensis)

Transbound Emerg Dis. 2019 Jul 24. doi: 10.1111/tbed.13305.

<https://doi.org/10.1111/tbed.13305>

Ougaard ME, Sembach FE, Jensen HE, Pyke C, Knudsen LB, Kvist PH:

Liraglutide Improves the Kidney Function in a Murine Model of Chronic Kidney Disease

Nephron. 2020 Sep 2;1-12. doi: 10.1159/000509418.

<https://www.karger.com/?DOI=10.1159/000509418>

Pan S, Brentnall TA, Kelly K, Chen R:

Tissue proteomics in pancreatic cancer study: discovery, emerging technologies and challenges

Proteomics. 2012 Nov 2. doi: 10.1002/pmic.201200319.

<http://dx.doi.org/10.1002/pmic.201200319>

Pan Y, Feng C, Wang H, Lee M, Tang Z, Lin Z:

Ichthyosis with confetti caused by new and recurrent mutations in KRT10 associated with varying degrees of keratin 10 mis-localization

Journal of Dermatological Science, Feb 21, 2020; DOI:<https://doi.org/10.1016/j.jdermsci.2020.02.005>
[https://www.jdsjournal.com/article/S0923-1811\(20\)30076-1/fulltext](https://www.jdsjournal.com/article/S0923-1811(20)30076-1/fulltext)

Paping A, Basler C, Ehrlich L, Fasting C, Melchior K, Ziska T, Thiele M, Duda GN, Timm S, Ochs M, Rancourt RC, Henrich W, Braun T:

Uterine scars after caesarean delivery: From histology to the molecular and ultrastructural level

Wound Repair Regen. 2023 Nov 13. doi: 10.1111/wrr.13127.

<https://doi.org/10.1111/wrr.13127>

Paping A, Basler C, Rancourt RC, Ehrlich L, Melchior K, Henrich W, Braun T:

Optimized RNA isolation of FFPE uterine scar tissues for RNA expression analyses delineated by laser microdissection

Biotechniques. 2022 May 12. doi: 10.2144/btn-2022-0026.

<https://www.future-science.com/doi/10.2144/btn-2022-0026>

Pareek S, Sanchenkova X, Sakaguchi T, Murakami M, Okumura R, Kayama H, Kawauchi S, Motooka D, Nakamura S, Okuzaki D, Kishimoto T, Takeda K:

Epithelial miR-215 negatively modulates Th17-dominant inflammation by inhibiting CXCL12 production in the small intestine

Genes Cells. 2022 Jan 25. doi: 10.1111/gtc.12922.

<https://onlinelibrary.wiley.com/doi/abs/10.1111/gtc.12922>

Parillaud VR, Lornet G, Monnet Y, Privat AL, Haddad AT, Brochard V, Bekaert A, de Chanville CB, Hirsch EC, Combadière C, Hunot S, Lobsiger CS:

Analysis of monocyte infiltration in MPTP mice reveals that microglial CX3CR1 protects against neurotoxic over-induction of monocyte-attracting CCL2 by astrocytes

J Neuroinflammation. 2017 Mar 21;14(1):60. doi: 10.1186/s12974-017-0830-9.

<https://jneuroinflammation.biomedcentral.com/articles/10.1186/s12974-017-0830-9>

Pariollaud M, Gibbs J, Hopwood T, Brown S, Begley N, Vonslow R, Poolman T, Guo B, Saer B, Jones DH, Tellam JP, Bresciani S, Tomkinson NC, Wojno-Picon J, Cooper AW, Daniels DA, Trump RP, Grant D, Zuercher W, Willson TM, MacDonald AS, Bolognese B, Podolin PL, Sanchez Y, Loudon AS, Ray DW:

Circadian clock component REV-ERB α controls homeostatic regulation of pulmonary inflammation

J Clin Invest. 2018 Mar 13. pii: 93910. doi: 10.1172/JCI93910.

<https://doi.org/10.1172/JCI93910>

Patnaik KS, Kannisto E, Mallick R, and Yendamuri S:

Overexpression of the Lung Cancer-Prognostic miR-146b MicroRNAs Has a Minimal and Negative Effect on the Malignant Phenotype of A549 Lung Cancer Cells

PLoS ONE 6(7): e22379

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0022379>

Patnaik S, Mallick R, Kannisto E, Sharma R, Bshara W, Yendamuri S, Dhillon SS:

MiR-205 and MiR-375 MicroRNA Assays to Distinguish Squamous Cell Carcinoma from Adenocarcinoma in Lung Cancer Biopsies

J Thorac Oncol. 2015 Mar;10(3):446-53. doi: 10.1097/JTO.0000000000000423.

<http://meta.wkhealth.com/pt/pt-core/template-journal/lwwgateway/media/landingpage.htm?issn=1556-0864&volume=10&issue=3&page=446>

Penick ER, Bateman NW, Rojas C, Magana C, Conrads K, Zhou M, Hood BL, Wang G, Parikh N, Huang Y, Darcy KM, Casablanca Y, Mhawech-Fauceglia P, Maxwell GL, Conrads T:

Proteomic Alterations Associated with Residual Disease in Neoadjuvant Chemotherapy Treated Ovarian Cancer Tissues

Research Square, 9th May 2022, DOI: <https://doi.org/10.21203/rs.3.rs-1625948/v1>
<https://www.researchsquare.com/article/rs-1625948/v1>

Perampalam P, Hassan HM, Lilly GE, Passos DT, Torchia J, Kiser PK, Bozovic A, Kulasingam V, Dick FA.
Disrupting the DREAM transcriptional repressor complex induces apolipoprotein overexpression and systemic amyloidosis in mice

J Clin Invest. 2021 Jan 14;140903. doi: 10.1172/JCI140903.
<https://doi.org/10.1172/JCI140903>

Perier-Muzet M, Thomas L, Poulalhon N, Debarbieux S, Bringuier PP, Duru G, Depaepe L, Balme B, Dalle S :

Melanoma patients under vemurafenib: prospective follow-up of melanocytic lesions by digital dermoscopy

J Invest Dermatol. 2014 May;134(5):1351-8. doi: 10.1038/jid.2013.462.
<http://dx.doi.org/10.1038/jid.2013.462>

Perilli L, Pizzini S, Bisognin A, Mandruzzato S, Biasiolo M, Faccioli A, Rossi E, Esposito G, Rugge M, Pilati P, Mocellin S, Nitti D, Bortoluzzi S, and Zanovello P:

Human miRNome profiling in colorectal cancer and liver metastasis development

Genomics Data (2014) GDATA-00060
<http://www.sciencedirect.com/science/article/pii/S2213596014000506>

Perros F, Montani D, Dorfmueller P, Durand-Gasselin I, Tcherakian C, Le Pavec J, Mazmanian M, Fadel E, Mussot S, Mercier O, Hervé P, Emilie D, Eddahibi S, Simonneau G, Souza R, Humbert M:

Platelet-derived growth factor expression and function in idiopathic pulmonary arterial hypertension

Am J Respir Crit Care Med. 2008 Jul 1;178(1):81-8.
<http://ajrccm.atsjournals.org/cgi/pmidlookup?view=long&pmid=18420966>

Petrescu AD, Grant S, Williams E, Frampton G, Reinhart EH, Nguyen A, An S, McMillin M, DeMorrow S:
Ghrelin reverses ductular reaction and hepatic fibrosis in a rodent model of cholestasis

Sci Rep. 2020 Sep 29;10(1):16024. doi: 10.1038/s41598-020-72681-5.
<https://www.nature.com/articles/s41598-020-72681-5>

Pierre JF, Peters BM, La Torre D, Sidebottom AM, Tao Y, Zhu X, Cham CM, Wang L, Kambal A, Harris KG, Silva JF, Zaborina O, Alverdy JC, Herzog H, Witchley J, Noble SM, Leone VA, Chang EB:

Peptide YY: A Paneth cell antimicrobial peptide that maintains Candida gut commensalism

Science. 2023 Aug 4;381(6657):502-508. doi: 10.1126/science.abq3178.
<https://doi.org/10.1126/science.abq3178>

Pisano A, Le Pera L, Carletti R, Cerbelli B, Pignataro MG, Pernazza A, Ferre F, Lombardi M, Lazzeroni D, Olivetto I, Rimoldi OE, Foglieni C, Camici PG, d'Amati G:

RNA-seq profiling reveals different pathways between remodelled vessels and myocardium in Hypertrophic Cardiomyopathy

Microcirculation. 2022 Oct 5:e12790. doi: 10.1111/micc.12790.
<https://doi.org/10.1111/micc.12790>

Poppe M, Wittig S, Jurida L, Bartkuhn M, Wilhelm J, Müller H, Beuerlein K, Karl N, Bhuju S, Ziebuhr J, Schmitz ML, Kracht M:

The NF- κ B-dependent and -independent transcriptome and chromatin landscapes of human coronavirus 229E-infected cells

PLoS Pathog. 2017 Mar 29;13(3):e1006286. doi: 10.1371/journal.ppat.1006286.
<http://journals.plos.org/plospathogens/article?id=10.1371/journal.ppat.1006286>

Post F, Hausmann A, Kabatnik S, Steigerwald S, Brand A, Clement DL, Skov J, Boyce TL, Sato T, Steenholdt C, Mund A, Nielsen OH, Jensen KB, Mann M:

Deep Visual Proteomics advances human colon organoid models by revealing a switch to an in vivo-like phenotype upon xenotransplantation

bioRxiv preprint, doi: <https://doi.org/10.1101/2024.05.13.593888>; May 14, 2024

<https://doi.org/10.1101/2024.05.13.593888>

Pruneri, G., Mazzarol, G., Manzotti, M., and Viale, G.:

Monoclonal proliferation of germinal center cells (incipient follicular lymphoma) in an axillary lymph node of a melanoma patient

Hum Pathol 32(12): 1410-1413 (2001)

<http://www.humanpathol.com/article/S0046-8177%2801%2950948-X/abstract>

Pujari GP, Mangalparthi KK, Madden BJ, Bhat FA, Charlesworth MC, French AJ, Sachdeva G, Daviso E, Thomann U, McCarthy P, Vasantgadkar S, Bhattacharyya D, Pandey A:

A High-Throughput Workflow for FFPE Tissue Proteomics

J Am Soc Mass Spectrom. 2023 Jun 2. doi: 10.1021/jasms.3c00099.

<https://doi.org/10.1021/jasms.3c00099>

Ramey ME, Kaya F, Bauman AA, Massoudi LM, Sarathy JP, Zimmerman MD, Scott DWL, Job AM, Miller-Dawson JA, Podell BK, Lyons MA, Dartois V, Lenaerts AJ, Robertson GT :

Drug distribution and efficacy of the DprE1 inhibitor BTZ-043 in the C3HeB/FeJ mouse tuberculosis model

Antimicrob Agents Chemother. 2023 Oct 4:e0059723. doi: 10.1128/aac.00597-23.

<https://doi.org/10.1128/aac.00597-23>

Ramirez-Alvarado M, Barnidge DR, Murray DL, Dispenzieri A, Marin-Argany M, Dick CJ, Cooper SA, Nasr SH, Ward CJ, Dasari S, Jiménez-Zepeda VH, Leung N :

Assessment of renal response with urinary exosomes in patients with AL amyloidosis: A proof of concept

Am J Hematol. 2017 Mar 10. doi: 10.1002/ajh.24717.

<http://onlinelibrary.wiley.com/doi/10.1002/ajh.24717/full>

Reddy LA, Mikesch L, Moskaluk CA, Harvey J, Sherman N, Zigino P, Mauch C, Fox JW:

Host response to human breast in situ ductal carcinoma (IDC) as observed by changes in the stromal proteome

J Proteome Res. 2014 Sep 22

<http://dx.doi.org/10.1021/pr500620x>

Reglodi D, Jungling A, Longuespée R, Kriegsmann J, Casadonte R, Kriegsmann M, Juhasz T, Bardosi S, Tamas A, Fulop BD, Kovacs K, Nagy Z, Sparks J, Miseta A, Mazzucchelli G, Hashimoto H, Bardosi A:

Accelerated pre-senile systemic amyloidosis in PACAP knockout mice - a protective role of PACAP in age-related degenerative processes

J Pathol. 2018 May 17. doi: 10.1002/path.5100.

<http://dx.doi.org/10.1002/path.5100>

Renz M, Torres R, Dolan PJ, Tam SJ, Tapia JR, Li L, Salmans JR, Barbour RM, Shughrue PJ, Nijjar T, Schenk D, Kinney GG, Zago W:

2A4 binds soluble and insoluble light chain aggregates from AL amyloidosis patients and promotes clearance of amyloid deposits by phagocytosis †

Amyloid. 2016 Aug 5:1-10.

<http://www.tandfonline.com/doi/full/10.1080/13506129.2016.1205974>

Reuter JA, Spacek DV, Pai RK, Snyder MP:

Simul-seq: combined DNA and RNA sequencing for whole-genome and transcriptome profiling

Nat Methods. 2016 Oct 10. doi: 10.1038/nmeth.4028.

<http://dx.doi.org/10.1038/nmeth.4028>

Rezk:

Novel techniques in the diagnosis, monitoring and outcome of renal and cardiac amyloidosis

Thesis, 2019

<http://discovery.ucl.ac.uk/10078174/1/Novel%20techniques%20in%20the%20diagnosis%2C%20monitoring%20and%20outcomes%20of%20renal%20and%20cardiac%20amyloidosis%20PhD%20thesis%20Post%20Viva%20Corrections.pdf>

Rezk T, Gilbertson JA, Rowczenio D, Bass P, Lachmann HJ, Wechalekar AD, Fontana M, Mahmood S, Sachchithanantham S, Whelan CJ, Wong J, Rendell N, Taylor GW, Hawkins PN, and Gillmore JD:

Diagnosis, pathogenesis and outcome in leucocyte chemotactic factor 2 (ALECT2) amyloidosis

Nephrol. Dial. Transplant. (2016) doi: 10.1093/ndt/gfw375

<http://ndt.oxfordjournals.org/content/early/2016/11/09/ndt.gfw375.abstract>

Ribierre T, Bacq A, Donneger F, Doladilhe M, Maletic M, Roussel D, Le Roux I, Chassoux F, Devaux B, Adle-Biassette H, Ferrand-Sorbets S, Dorfmueller G, Chipaux M, Baldassari S, Poncer JC, Baulac S:

Targeting pathological cells with senolytic drugs reduces seizures in neurodevelopmental mTOR-related epilepsy

Nat Neurosci. 2024 May 6. doi: 10.1038/s41593-024-01634-2.

<https://www.nature.com/articles/s41593-024-01634-2>

Richards Z, Batai K, Farhat R, Shah E, Makowski A, Gann PH, Kittles R, Nonn L:

Prostatic compensation of the vitamin D axis in African American men

JCI Insight. 2017 Jan 26;2(2):e91054. doi: 10.1172/jci.insight.91054.

<https://doi.org/10.1172/jci.insight.91054>

Riva A, Kuzyk O, Forsberg E, Siuzdak G, Pfann C, Herbold C, Daims H, Loy A, Warth B, Berry D:

A fiber-deprived diet disturbs the fine-scale spatial architecture of the murine colon microbiome

Nat Commun. 2019 Sep 25;10(1):4366. doi: 10.1038/s41467-019-12413-0.

<https://www.nature.com/articles/s41467-019-12413-0.pdf>

Robertson GT, Ramey ME, Massoudi LM, Carter CL, Zimmerman M, Kaya F, Graham BG, Gruppo V, Hastings C, Woolhiser LK, Scott DWL, Asay BC, Eshun-Wilson F, Maidj E, Podell BK, Vásquez JJ, Lyons MA, Dartois V, Lenaerts AJ:

Comparative Analysis of Pharmacodynamics in the C3HeB/FeJ Mouse Tuberculosis Model for DprE1 inhibitors TBA-7371, PBTZ169 and OPC-167832

Antimicrob Agents Chemother. 2021 Aug 9;AAC0058321. doi: 10.1128/AAC.00583-21.

<https://journals.asm.org/doi/pdf/10.1128/AAC.00583-21>

Roessler S, Lin G, Forgues M, Budhu A, Hoover S, Simpson RM, Wu X, He P, Qin LX, Tang ZY, Ye QH, Wang XW:

Integrative Genomic and Transcriptomic Characterization of Matched Primary and Metastatic Liver and Colorectal Carcinoma

Int J Biol Sci 2015; 11(1):88-98. doi:10.7150/ijbs.10583

<http://www.ijbs.com/v11p0088.htm>

Rohde J:

Identifizierung von Schlüsselgenen, die an der Bildung von tertiär lymphatischen Organen im zentralen Nervensystem in einem B-Zell-abhängigen Mausmodell der Multiplen Sklerose beteiligt sind

Thesis, 2021

https://opus.bibliothek.uni-wuerzburg.de/opus4-wuerzburg/frontdoor/deliver/index/docId/26766/file/Dissertation_Rohde_Joern.pdf

Rong Z, Mai H, Ebert G, Kapoor S, Puelles VG, Czogalla J, Hu S, Su J, Prtvar D, Singh I, Schädler J, Delbridge C, Steinke H, Frenzel H, Schmidt K, Braun C, Bruch G, Ruf V, Ali M, Sühs KW, Nemati M, Hopfner F, Ulukaya S, Jeridi D, Mistretta D, Caliskan ÖS, Wettengel JM, Cherif F, Kolabas ZI, Molbay M, Horvath I, Zhao S, Krahmer N, Yildirim AÖ, Ussar S, Herms J, Huber TB, Tahirovic S, Schwarzmaier SM, Plesnila N, Höglinger G, Ondruschka B, Bechmann I, Protzer U, Elsner M, Bhatia HS, Hellal F, Ertürk A:
Persistence of spike protein at the skull-meninges-brain axis may contribute to the neurological sequelae of COVID-19

Cell Host Microbe. 2024 Nov 26;S1931-3128(24)00438-4. doi: 10.1016/j.chom.2024.11.007.

<https://doi.org/10.1016/j.chom.2024.11.007>

Rosatelli MC and Saba L:

Prenatal Diagnosis of β -Thalassemias and Hemoglobinopathies

MJHID 1(1): Mediterr J Hematol Infect Dis ISSN 2035-3006 (2009)

<http://www.mjhid.org/article/view/5079/html>

Rosenberger FA, Mädler SC, Thorhauge KH, Steigerwald S, Fromme M, Lebedev M, Weiss CAM, Oeller M, Wahle M, Metousis A, Zwiebel M, Schmacke NA, Detlefsen S, Boor P, Fabián O, Fraňková S, Krag A, Strnad P, Mann M:

Deep Visual Proteomics maps proteotoxicity in a genetic liver disease

Nature. 2025 Apr 16. doi: 10.1038/s41586-025-08885-4.

<https://www.nature.com/articles/s41586-025-08885-4>

Rosenberger FA, Mädler SC, Thorhauge KH, Steigerwald S, Fromme M, Lebedev M, Weiss CAM, Oeller M, Wahle M, Zwiebel M, Schmacke NA, Detlefsen S, Boor P, Kaseran J, Wilson A, Fabián O, Franková S, Krag AA, Strnad P, and Mann M:

The proteomic landscape of proteotoxic stress in a fibrogenic liver disease

bioRxiv, 3rd Nov 2024

<https://doi.org/10.1101/2024.11.01.621457>

Rotondi Aufiero V, Iacomino G, De Chiara G, Picariello E, Iaquinto G, Troncone R, Mazzarella G:

Neutralizing IL-15 Inhibits Tissue-Damaging Immune Response in Ex Vivo Cultured Untreated Celiac Intestinal Mucosa

Cells. 2025; 14(3):234.

<https://doi.org/10.3390/cells14030234>

Rowczenio D, Stensland M, de Souza GA, Strøm EH, Gilbertson JA, Taylor G, Rendell N, Minogue S, Efebera YA, Lachmann HJ, Wechalekar AD, Hawkins PN, Heimdahl KR, Selvig K, Lægreid IK, Gillmore JD, Wien TN:

Renal amyloidosis associated with five novel variants in the fibrinogen A-alpha chain protein

Kidney International Reports (2016), doi: 10.1016/j.ekir.2016.11.005.

<http://www.sciencedirect.com/science/article/pii/S246802491630170X>

Ruan W, Sassoon A, An F, Simko JP, Liu B:

Identification of clinically significant tumor antigens by selecting phage antibody library on tumor cells in situ using laser capture microdissection

Mol Cell Proteomics. 2006 Dec;5(12):2364-73.

<http://www.mcponline.org/cgi/pmidlookup?view=long&pmid=16982673>

Robusti G, Vai A, Bonaldi T, Nuberini R:

Investigating pathological epigenetic aberrations by epi-proteomics

Clin Epigenetics. 2022 Nov 12;14(1):145. doi: 10.1186/s13148-022-01371-y.

<https://doi.org/10.1186/s13148-022-01371-y>

Runge EM, Iyer AK, Setter DO, Kennedy FM, Sanders VM, Jones KJ:

CD4+ T cell expression of the IL-10 receptor is necessary for facial motoneuron survival after axotomy

J Neuroinflammation. 2020 Apr 17;17(1):121. doi: 10.1186/s12974-020-01772-x.

<https://jneuroinflammation.biomedcentral.com/track/pdf/10.1186/s12974-020-01772-x>

Russi S, Dammacco F, Sansonno S, Pavone F, Sansonno D :

Activation-induced cytidine deaminase in b cells of HCV-related cryoglobulinemic vasculitis

Clin Exp Immunol. 2015 Jul 28. doi: 10.1111/cei.12690.

<http://dx.doi.org/10.1111/cei.12690>

Ryan B, Williams JM:

Novel microRNA revealed by systematic analysis of the microRNA transcriptome in dentate gyrus granule cells

Neurosci Lett. 2016 Sep 6. pii: S0304-3940(16)30664-4. doi: 10.1016/j.neulet.2016.09.003.

<http://www.sciencedirect.com/science/article/pii/S0304394016306644>

Rydén M, Uzunel M, Hård JL, Borgström E, Mold JE, Arner E, Mejhert N, Andersson DP, Widlund Y, Hassan M, Jones CV, Spalding KL, Svahn BM, Ahmadian A, Frisén J, Bernard S, Mattsson J, Arner P:

Transplanted Bone Marrow-Derived Cells Contribute to Human Adipogenesis

Cell Metab. 2015 Jul 14. pii: S1550-4131(15)00278-8. doi: 10.1016/j.cmet.2015.06.011.

[http://linkinghub.elsevier.com/retrieve/pii/S1550-4131\(15\)00278-8](http://linkinghub.elsevier.com/retrieve/pii/S1550-4131(15)00278-8)

Sachithanandham J, Leep-Lazar J, Quinn J, Bowden K, Balasubramaniam P, Ward K, Ribeiro R, Sulkowski MS, Balagopal A:

Direct acting antivirals eradicate HCV from the liver quickly in people with HIV but do not fully reverse immune activation

The Journal of Infectious Diseases, 2024 Dec 2, DOI: 10.1093/infdis/jiae598

<https://doi.org/10.1093/infdis/jiae598>

Sadeghi Z, Kenyon JD, Richardson B, Khalifa AO, Cartwright M, Conroy B, Caplan A, Cameron MJ, Hijaz A:

Transcriptomic Analysis of Human Mesenchymal Stem Cell Therapy in Incontinent Rat Injured Urethra

Tissue Eng Part A. 2020 Jul 2. doi: 10.1089/ten.tea.2020.0033.

<https://www.liebertpub.com/doi/10.1089/ten.tea.2020.0033>

Saenz-Pipaon G, Wacker VK, Bi L, Stamatikos A, Dichek DA :

Exosome-Mediated Transfer of X-Motif-Tagged Anti-MiR-33a-5p Antagomirs to the Medial Cells of Transduced Rabbit Carotid Arteries

Biology 2024, 13(12), 965; 24. Nov 2024

<https://doi.org/10.3390/biology13120965>

Saft L, Karimi M, Ghaderi M, Matolcsy A, Mufti GJ, Kulasekararaj A, Göhring G, Giagounidis A, Selleslag D, Muus P, Sanz G, Mittelman M, Bowen D, Porwit A, Fu T, Backstrom J, Fenaux P, MacBeth KJ, and Hellström-Lindberg E:

p53 protein expression independently predicts outcome in patients with lower-risk myelodysplastic syndromes with del(5q)

Haematologica haematol.2013.098103; March 28, 2014, doi:10.3324/haematol.2013.098103

<http://www.haematologica.org/content/early/2014/03/25/haematol.2013.098103.abstract>

Saha A, Chopra Y, Theis JD, Vrana JA, Sethi S:

AA Amyloidosis Associated With Systemic-Onset Juvenile Idiopathic Arthritis

American Journal of Kidney Diseases - 13 May 2013 (10.1053/j.ajkd.2013.02.377)

<http://www.ajkd.org/article/S0272-6386%2813%2900675-6/abstract>

Sahay S, Lundh AE, Sirole RP, McCullumsmith RE, and O'Donovan SM:

Purinergic System Transcript Changes in the Dorsolateral Prefrontal Cortex in Suicide and Major Depressive Disorder

Int. J. Mol. Sci. 2025, 26(5), 1826

<https://doi.org/10.3390/ijms26051826>

Said SM, Rocha AB, Valeri AM, Pauksakon P, Dasari S, Theis JD, Vrana JA, Obadina MO, Saghaifi D, Alexander MP, Sethi S, Larsen CP, Joly F, Dispenzieri A, Bridoux F, Sirac C, Leung N, Fogo AB, McPhail ED, Nasr SH:

The characteristics of patients with kidney light chain deposition disease concurrent with light chain amyloidosis

Kidney Int. 2021 Nov 9:S0085-2538(21)01035-8. doi: 10.1016/j.kint.2021.10.019.

<https://www.sciencedirect.com/science/article/pii/S0085253821010358>

Said SM, Sethi S, Valeri AM, Chang A, Nast CC, Krahl L, Molloy P, Barry M, Fidler ME, Cornell LD, Leung N, Vrana JA, Theis JD, Dogan A, Nasr SH:

Characterization and outcomes of renal leukocyte chemotactic factor 2-associated amyloidosis

Kidney Int. 2014 Jan 22. doi: 10.1038/ki.2013.558.

<http://dx.doi.org/10.1038/ki.2013.558>

Said SM, Sethi S, Valeri AM, Leung N, Cornell LD, Fidler ME, Herrera Hernandez L, Vrana JA, Theis JD, Quint PS, Dogan A, Nasr SH:

Renal Amyloidosis: Origin and Clinicopathologic Correlations of 474 Recent Cases

Clin J Am Soc Nephrol. 2013 May 23. *CJN*. 10491012

<http://cjasn.asnjournals.org/cgi/pmidlookup?view=long&pmid=23704299>

Sakashita H, Inoue H, Akamine S, Ishida T, Inase N, Shirao K, Mori M, Mimori K:

Identification of the NEDD4L Gene as a Prognostic Marker by Integrated Microarray Analysis of Copy Number and Gene Expression Profiling in Non-small Cell Lung Cancer

Ann Surg Oncol. 2013 Jun 28.

<http://dx.doi.org/10.1245/s10434-013-3059-6>

Sakiyama Y, Kanda N, Higuchi Yoshimura M, Wakaguri H, Takata Y, Watanabe O, Yuan J, Tashiro Y, Saigo R, Nozuma S, Yoshimura A, Arishima S, Ikeda K, Shinohara K, Arata H, Michizono K, Higashi K, Hashiguchi A, Okamoto Y, Hirano R, Shiraishi T, Matsuura E, Okubo R, Higuchi I, Goto M, Hirano H, Sano A, Iwasaki T, Matsuda F, Izumo S, Takashima H:

New type of encephalomyelitis responsive to trimethoprim/sulfamethoxazole treatment in Japan

Neurol Neuroimmunol Neuroinflamm. 2015 Aug 13;2(5):e143. doi: 10.1212/NXI.0000000000000143. eCollection 2015.

<http://www.ncbi.nlm.nih.gov/pmc/articles/pmid/26309903/>

Saku A, Hirose K, Ito T, Iwata A, Sato T, Kaji H, Tamachi T, Suto A, Goto Y, Domino SE, Narimatsu H, Kiyono H, Nakajima H

Fucosyltransferase 2 induces lung epithelial fucosylation and exacerbates house dust mite-induced airway inflammation

J Allergy Clin Immunol. 2019 May 21. pii: S0091-6749(19)30628-1. doi: 10.1016/j.jaci.2019.05.010.

[https://www.jacionline.org/article/S0091-6749\(19\)30628-1/abstract](https://www.jacionline.org/article/S0091-6749(19)30628-1/abstract)

Sallam T, Jones M, Thomas BJ, Wu X, Gilliland T, Qian K, Eskin A, Casero D, Zhang Z, Sandhu J, Salisbury D, Rajbhandari P, Civelek M, Hong C, Ito A, Liu X, Daniel B, Lusi AJ, Whitelegge J, Nagy L, Castrillo A, Smale S, Tontonoz P:

Transcriptional regulation of macrophage cholesterol efflux and atherogenesis by a long noncoding RNA

Nat Med. 2018 Feb 12. doi: 10.1038/nm.4479.

<https://www.nature.com/articles/nm.4479>

Santhanam A, Marino GK, Torricelli AAM, Wilson SE:

EBM regeneration and changes in EBM component mRNA expression in stromal cells after corneal injury

Molecular Vision 2017; 23:39-51

<http://www.molvis.org/molvis/v23/39/mv-v23-39.pdf>

Sasaki M, Sasako T, Kubota N, Sakurai Y, Takamoto I, Kubota T, Inagi R, Seki G, Goto M, Ueki K, Nangaku M, Jomori T, Kadowaki T :

Dual Regulation of Gluconeogenesis by Insulin and Glucose in the Proximal Tubules of the Kidney

Diabetes. 2017 Jun 19. pii: db161602. doi: 10.2337/db16-1602.

<http://diabetes.diabetesjournals.org/cgi/pmidlookup?view=long&pmid=28630133>

Savic R, Ernest J, Bustion A, Patel A, Sarathy J, Kaya F, Rodriguez S, Strydom N, Silva C, Flori L, Vu H-A, Westergren V, Via L, Dartois V:

Lesion penetration predicts tuberculosis regimen success: a validated translational tool for de-risking late-stage drug development

Research Square, 25th June 2025

<https://doi.org/10.21203/rs.3.rs-6890010/v1>

Sawai Y, Kodama Y, Shimizu T, Ota Y, Maruno T, Eso Y, Kurita A, Shiokawa M, Tsuji Y, Uza N, Matsumoto Y, Masui T, Uemoto S, Marusawa H, Chiba T:

Activation-Induced Cytidine Deaminase Contributes to Pancreatic Tumorigenesis by Inducing Tumor-Related Gene Mutations

Cancer Res. 2015 Aug 15;75(16):3292-301. doi: 10.1158/0008-5472.CAN-14-3028.

<http://cancerres.aacrjournals.org/content/75/16/3292.long>

Schrader JM, Xu F, Zhu X, Majchrzak M, Davis J, Van Nostrand WE:

Parenchymal and Dyschoric Fibrillar Amyloid Pathology in the rTg-D Rat Model of Cerebral Amyloid Angiopathy Type-2

Am J Pathol. 2025 Jul 17:S0002-9440(25)00241-X. doi: 10.1016/j.ajpath.2025.06.008.

<https://doi.org/10.1016/j.ajpath.2025.06.008>

Schropp V, Rohde J, Rovituso DM, Jabari S, Bharti R, Kuerten S:

Contribution of LT α and TH17 cells to B cell aggregate formation in the central nervous system in a mouse model of multiple sclerosis

J Neuroinflammation. 2019 May 28;16(1):111. doi: 10.1186/s12974-019-1500-x.

<https://jneuroinflammation.biomedcentral.com/track/pdf/10.1186/s12974-019-1500-x>

Schuld J, Orfanos Z, Chevessier F, Eggers B, Heil L, Uszkoreit J, Unger A, Kirfel G, van der Ven PFM, Marcus K, Linke WA, Clemen CS, Schröder R, Fürst DO:

Homozygous expression of the myofibrillar myopathy-associated p.W2710X filamin C variant reveals major pathomechanisms of sarcomeric lesion formation

Acta Neuropathol Commun. 2020 Sep 4;8(1):154. doi: 10.1186/s40478-020-01001-9.

<https://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-020-01001-9>

Schwarz D, Marois ML, Sturm V, Peters AS, Longuespée R, Helm D, Schneider M, Eichmüller B, Hidmark AS, Fischer M, Kender Z, Schwab C, Hausser I, Weis J, Dihlmann S, Böckler D, Bendszus M, Heiland S, Herzig S, Nawroth PP, Szendroedi J, Fleming T:

Exploring Structural and Molecular Features of Sciatic Nerve Lesions in Diabetic Neuropathy: Unveiling Pathogenic Pathways and Targets

Diabetes. 2024 Oct 17;db240493. doi: 10.2337/db24-0493.

<https://doi.org/10.2337/db24-0493>

Seimetz M, Sommer N, Bednorz M, Pak O, Veith C, Hadzic S, Gredic M, Parajuli N, Kojonazarov B, Kraut S, Wilhelm J, Knoepp F, Henneke I, Pichl A, Kanbagli ZI, Scheibe S, Fysikopoulos A Wu, C-Y, Klepetko W, Jaksch P, Eichstaedt C, Grünig E, Hinderhofer K, Geiszt M, Müller N, Rezende F, Buchmann G, Wittig I, Hecker M, Hecker A, Padberg W, Dorfmueller P, Gattenlöhner P, Vogelmeier CF, Günther A, Karnati S, Baumgart-Vogt E, Schermuly RT, Ghofrani HA, Seeger W, Schröder K, Grimminger F, Brandes RP, and Weissmann N:

NADPH oxidase subunit NOXO1 is a target for emphysema treatment in COPD

Nature Metabolism (8 Jun 2020). <https://doi.org/10.1038/s42255-020-0215-8>
<https://www.nature.com/articles/s42255-020-0215-8>

Senatus L, López-Díez R, Egaña-Gorroño L, Liu J, Hu J, Daffu G, Li Q, Rahman K, Vengrenyuk Y, Barrett TJ, Dewan MZ, Guo L, Fuller D, Finn AV, Virmani R, Li H, Friedman RA, Fisher EA, Ramasamy R, Schmidt AM:

RAGE impairs murine diabetic atherosclerosis regression and implicates IRF7 in macrophage inflammation and cholesterol metabolism

JCI Insight. 2020 Jul 9;5(13):137289. doi: 10.1172/jci.insight.137289.
<https://insight.jci.org/articles/view/137289>

Serhatli M, Baysal K, Acilan C, Tuncer E, Bekpinar S, Baykal AT:

Proteomic Study of the Microdissected Aortic Media in Human Thoracic Aortic Aneurysms

J Proteome Res. 2014 Sep 29
<http://dx.doi.org/10.1021/pr5006586>

Sethi S, Dasari S, Plaisier E, Ronco P, Nasr SH, Brocheriou I, Theis JD, Vrana JA, Zimmermann MT, Quint PS, McPhail ED, Kurtin PJ:

Apolipoprotein CII amyloidosis associated with p.Lys41Thr mutation

Kidney International Reports (2018), doi: 10.1016/j.ekir.2018.04.009.
[http://www.kireports.org/article/S2468-0249\(18\)30102-5/pdf](http://www.kireports.org/article/S2468-0249(18)30102-5/pdf)

Sethi S, Fervenza FC:

Membranoproliferative glomerulonephritis--a new look at an old entity

N Engl J Med. 2012 Mar 22;366(12):1119-31
<http://www.nejm.org/doi/full/10.1056/NEJMra1108178>

Sethi S, Fervenza FC, Siddiqui A, Quint PS, Pritt BS:

Leishmaniasis-associated MPGN with massive complement deposition

Kidney International Reports, doi:10.1016/j.ekir.2016.06.003
<http://www.sciencedirect.com/science/article/pii/S2468024916300298>

Sethi S, Fervenza FC, Zhang Y, Zand L, Vrana JA, Nasr SH, Theis JD, Dogan A, Smith RJ:

C3 glomerulonephritis: clinicopathological findings, complement abnormalities, glomerular proteomic profile, treatment, and follow-up

Kidney Int. 2012 Jun 6. doi: 10.1038/ki.2012.212.
<http://www.nature.com/ki/journal/vaop/ncurrent/full/ki2012212a.html>

Sethi S, Palma LMP, Theis JD, Fervenza FC:

Proteomic Analysis of Complement Proteins in Glomerular Diseases

Kidney International Reports (2023), S2468-0249(23)00039-6
<https://doi.org/10.1016/j.ekir.2023.01.030>

Sethi S, Quint PS, O'Seaghdha CM, Fervenza FC, Bijol V, Dorman A, Dasari S, Smith RJ, Kurtin PJ, Rennke HG:

C4 Glomerulopathy: A Disease Entity Associated With C4d Deposition

Am J Kidney Dis. 2016 Feb 17. pii: S0272-6386(16)00081-0. doi: 10.1053/j.ajkd.2016.01.012.

[http://linkinghub.elsevier.com/retrieve/pii/S0272-6386\(16\)00081-0](http://linkinghub.elsevier.com/retrieve/pii/S0272-6386(16)00081-0)

Sethi S, Theis JD, Vrana JA, Fervenza FC, Sethi A, Qian Q, Quint P, Leung N, Dogan A, Nasr SH:
Laser Microdissection and Proteomic Analysis of Amyloidosis, Cryoglobulinemic GN, Fibrillary GN, and Immunotactoid Glomerulopathy

Clin J Am Soc Nephrol. 2013 Feb 14. [Epub ahead of print]

<http://cjasn.asnjournals.org/content/early/2013/02/13/CJN.07030712.abstract>

Sethi S, Vrana JA, Fervenza FC, Theis JD, Sethi A, Kurtin PJ, Zhang Y, Smith RJ:

Characterization of C3 in C3 glomerulopathy

Nephrol Dial Transplant. 2016 Aug 8. pii: gfw290.

<http://ndt.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=27507892>

Sethi S, Vrana JA, Theis JD, Leung N, Sethi A, Nasr SH, Fervenza FC, Cornell LD, Fidler ME, Dogan A:
Laser microdissection and mass spectrometry-based proteomics aids the diagnosis and typing of renal amyloidosis

Kidney Int. 2012 Apr 11. doi: 10.1038/ki.2012.108.

<http://dx.doi.org/10.1038/ki.2012.108>

Shao R, Shi J, Liu H, Shi X, Du X, Klocker H, Lee C, Zhu Y, Zhang J:

Epithelial-to-mesenchymal transition and estrogen receptor α mediated epithelial dedifferentiation mark the development of benign prostatic hyperplasia

Prostate. 2014 Apr 22. doi: 10.1002/pros.22814.

<http://dx.doi.org/10.1002/pros.22814>

Sharma P, Chinaranagari S, Patel D, Carey J, Chaudhary J:

Epigenetic inactivation of inhibitor of differentiation 4 (Id4) correlates with prostate cancer

Cancer Med, 2012, 2045-7634

<http://dx.doi.org/10.1002/cam4.16>

Shi R, Chen Y, Wu W, Diao X, Chen L, Liu X, Wu H, Wang J, Zhu L, Cai Z:

Mass Spectrometry-Based Spatial Multiomics Revealed Bioaccumulation Preference and Region-Specific Responses of PFOS in Mice Cardiac Tissue

Environ Sci Technol. 2025 Jan 22. doi: 10.1021/acs.est.4c09874.

<https://doi.org/10.1021/acs.est.4c09874>

Shi Y, Li J, Wu YS, Qin L, Jiao FY:

BRAF Mutation Is Associated With the Unique Morphology of Traditional Serrated Adenoma of the Colorectum

Int J Surg Pathol. 2013 Aug 18.

<http://ijs.sagepub.com/content/early/2013/08/16/1066896913499628.abstract>

Shibasaki Y, Afanasyev S, Fernández-Montero A, Ding Y, Watanabe S, Takizawa F, Lamas J, Fontenla F, Leiro JM, Krasnov A, Boudinot P, Sunyer JO:

Cold-blooded vertebrates evolved organized germinal center like structures

Sci Immunol. 2023 Nov 1:eadf1627. doi: 10.1126/sciimmunol.adf1627.

<https://doi.org/10.1126/sciimmunol.adf1627>

Shima Y, Sasagawa S, Ota N, Oyama R, Tanaka M, Kubota-Sakashita M, Kawakami H, Kobayashi M, Takubo N, Ozeki AN, Sun X, Kim YJ, Kamatani Y, Matsuda K, Maejima K, Fujita M, Noda K, Kamiyama H, Tanikawa R, Nagane M, Shibahara J, Tanaka T, Rikitake Y, Mataga N, Takahashi S, Kosaki K, Okano H, Furihata T, Nakaki R, Akimitsu N, Wada Y, Ohtsuka T, Kurihara H, Kamiguchi H, Okabe S, Nakafuku M, Kato T, Nakagawa H, Saito N, Nakatomi H:

Increased PDGFRB and NF- κ B signaling caused by highly prevalent somatic mutations in intracranial aneurysms

Sci Transl Med. 2023 Jun 14;15(700):eabq7721. doi: 10.1126/scitranslmed.abq7721.
<https://doi.org/10.1126/scitranslmed.abq7721>

Shimizu H, Sakimoto T, Yamagami S:
Pro-inflammatory role of NLRP3 inflammasome in experimental sterile corneal inflammation
Sci Rep. 2019 Jul 3;9(1):9596. doi: 10.1038/s41598-019-46116-9.
<https://www.nature.com/articles/s41598-019-46116-9.pdf>

Shinojima N, Nakamura H, Tasaki M, Kamenno K, Anai S, Iyama KI, Ando Y, Seto H, Kuratsu JI:
A patient with medulloblastoma in its early developmental stage
J Neurosurg Pediatr. 2014 Oct 10:1-6.
<http://thejns.org/doi/abs/10.3171/2014.8.PEDS13590>

Shintani Y, Hayasaka T, Maeda D, Masaki N, Ito TK, Sakuma K, Tanaka M, Kabashima K, Takei S, Setou M, Fukayama M:
Different desmin peptides are distinctly deposited in cytoplasmic aggregations and cytoplasm of desmin-related cardiomyopathy patients
Biochim Biophys Acta. 2017 Mar 21. pii: S1570-9639(17)30048-1. doi: 10.1016/j.bbapap.2017.03.006.
[https://linkinghub.elsevier.com/retrieve/pii/S1570-9639\(17\)30048-1](https://linkinghub.elsevier.com/retrieve/pii/S1570-9639(17)30048-1)

Shiotani A, Kusunoki H, Ishii M, Imamura H, Manabe N, Kamada T, Hata J, Merchant JL, Haruma K:
Pilot study of Biomarkers for predicting effectiveness of ramosetron in diarrhea-predominant irritable bowel syndrome: expression of S100A10 and polymorphisms of TPH1
Neurogastroenterol Motil. 2014 Nov 27. doi: 10.1111/nmo.12473.
<http://dx.doi.org/10.1111/nmo.12473>

Shintani-Domoto Y, Ishino K, Fujii T, Kitamura T, Teduka K, Naiki H, Sakatani T, and Ohashi R:
Immunohistochemical Diagnosis of Amyloid Typing: Utility and Limitations as Determined by Liquid Chromatography-Tandem Mass Spectrometry
J Nippon Med Sch 2024; 91 (3)
https://doi.org/10.1272/jnms.JNMS.2024_91-304

Shiotani A, Kusunoki H, Kimura Y, Ishii M, Imamura H, Tarumi KI, Manabe N, Kamada T, Hata J, Haruma K:
S100A Expression and Interleukin-10 Polymorphisms Are Associated with Ulcerative Colitis and Diarrhea Predominant Irritable Bowel Syndrome
Dig Dis Sci. 2013 Apr 18.
<http://dx.doi.org/10.1007/s10620-013-2677-y>

Shirai M, Niino N, Mori K, and Kai K :
Microarray-based gene expression analysis combined with laser capture microdissection is beneficial in investigating the modes of action of ocular toxicity
Journal of Toxicologic Pathology; J-STAGE Advance; Dec 18, 2021
https://www.jstage.jst.go.jp/article/tox/advpub/0/advpub_2021-0064/_pdf

Shitara D, Tell-Martí G, Badenas C, Enokihara MM, Alós L, Larque AB, Michalany N, Puig-Butille J, Carrera C, Malvehy J, Puig S, Bagatin E:
Mutational status of nevus associated-melanomas
Br J Dermatol. 2015 Apr 9. doi: 10.1111/bjd.13829.
<http://dx.doi.org/10.1111/bjd.13829>

Shui YB, Liu Y, Huang AJW, Siegfried CJ :
SDPR expression in human trabecular meshwork and its potential role in racial disparities of glaucoma
Sci Rep. 2024 May 4;14(1):10258. doi: 10.1038/s41598-024-61071-w.

<https://doi.org/10.1038/s41598-024-61071-w>

Siddons A, Lozovatsky L, Mohamed A, Hudnall SD:

Human herpesvirus 6 positive Reed-Sternberg cells in nodular sclerosis Hodgkin lymphoma

Br J Haematol. 2012 Jul 4. doi: 10.1111/j.1365-2141.2012.09206.x.

<http://dx.doi.org/10.1111/j.1365-2141.2012.09206.x>

Sidiqi MH, McPhail ED, Theis JD, Dasari S, Vrana JA, Drosou ME, Leung N, Hayman S, Rajkumar SV, Warsame R, Ansell SM, Gertz MA, Grogan M, Dispenzieri A:

Two types of amyloidosis presenting in a single patient: a case series

Blood Cancer J. 2019 Mar 5;9(3):30. doi: 10.1038/s41408-019-0193-9.

<https://www.nature.com/articles/s41408-019-0193-9.pdf>

Simões A, Chen L, Chen Z, Zhao Y, Gao S, Marucha PT, Dai Y, DiPietro LA, Zhou X:

Differential microRNA profile underlies the divergent healing responses in skin and oral mucosal wounds

Sci Rep. 2019 May 9;9(1):7160. doi: 10.1038/s41598-019-43682-w.

<http://dx.doi.org/10.1038/s41598-019-43682-w>

Simões A, Chen Z, Zhao Y, Chen L, Macias V, DiPietro LA, Zhou X:

Laser Capture Microdissection of Epithelium from a Wound Healing Model for MicroRNA Analysis

Methods Mol Biol. 2018;1733:225-237. doi: 10.1007/978-1-4939-7601-0_19.

https://link.springer.com/protocol/10.1007/978-1-4939-7601-0_19

Sinha A, Sachs N, Kratz E, Pauli J, Steigenwald S, Albrecht V, Nordmann T, Ugur E, Rodriguez EH, Engl M-L, Skowronek P, von Scheidt M, Winter H, Branzan D, Schunkert H, Maegdefessel L, Mann M:

Spatially resolved proteomic signatures of atherosclerotic carotid artery disease

bioRxiv, 12 Feb 2025

<https://doi.org/10.1101/2025.02.09.25321955>

Skandalou E, Rivedal M, Marti HP, Halden TAS, Jenssen T, Vikse BE, Åsberg A, Furriol J:

Proteome of Renal Tubuli and Serum Differentiate Pre-Existing Type 2 Diabetes and Post-Transplant Diabetes in Kidney Transplant Recipients

Proteomics Clin Appl. 2025 Feb 24:e70000. doi: 10.1002/prca.70000.

<https://doi.org/10.1002/prca.70000>

Soltis AR, Bateman NW, Liu J, Nguyen T, Franks TJ, Zhang X, Dalgard CL, Viollet C, Somiari S, Yan C, Zeman K, Skinner WJ, Lee JSH, Pollard HB, Turner C, Petricoin EF, Meerzaman D, Conrads TP, Hu H; APOLLO Research Network, Shriver CD, Moskaluk CA, Browning RF Jr, Wilkerson MD:

Proteogenomic analysis of lung adenocarcinoma reveals tumor heterogeneity, survival determinants, and therapeutically relevant pathways

Cell Rep Med. 2022 Nov 15;3(11):100819. doi: 10.1016/j.xcrm.2022.100819.

<https://doi.org/10.1016/j.xcrm.2022.100819>

Sonntag KC, Woo TW:

Laser microdissection and gene expression profiling in the human postmortem brain

Handb Clin Neurol. 2018;150:263-272. doi: 10.1016/B978-0-444-63639-3.00018-9.

<https://www.sciencedirect.com/science/article/pii/B9780444636393000189>

Sonoda A, Mukaisho KI, Nakayama T, Diem VT, Hattori T, Andoh A, Fujiyama Y, Sugihara H

Genetic lineages of undifferentiated-type gastric carcinomas analysed by unsupervised clustering of genomic DNA microarray data

BMC Med Genomics. 2013 Jul 19;6(1):25.

<http://www.biomedcentral.com/content/pdf/1755-8794-6-25.pdf>

Strydom N, Ernest JP, Imperial M, Solans BP, Wang Q, Tasneen R, Tyagi S, Soni H, Garcia A, Bigelow K, Gengenbacher M, Zimmerman M, Xie M, Sarathy JP, Yang TJ, Dartois V, Nuermberger EL, Savic RM:

Dose optimization of TBI-223 for enhanced therapeutic benefit compared to linezolid in antituberculosis regimen

Nat Commun. 2024 Aug 25;15(1):7311. doi: 10.1038/s41467-024-50781-4.

<https://doi.org/10.1038/s41467-024-50781-4>

Sturm G, Karan KR, Monzel AS, Santhanam B, Taivassalo T, Bris C, Ware SA, Cross M, Towheed A, Higgins-Chen A, McManus MJ, Cardenas A, Lin J, Epel ES, Rahman S, Vissing J, Grassi B, Levine M, Horvath S, Haller RG, Lenaers G, Wallace DC, St-Onge MP, Tavazoie S, Procaccio V, Kaufman BA, Seifert EL, Hirano M, Picard M:

OxPhos defects cause hypermetabolism and reduce lifespan in cells and in patients with mitochondrial diseases

Commun Biol. 2023 Jan 12;6(1):22. doi: 10.1038/s42003-022-04303-x.

<https://doi.org/10.1038/s42003-022-04303-x>

Sturtz LA, Deyarmin B, van Laar R, Yarina W, Shriver CD, Ellsworth RE:

Gene expression differences in adipose tissue associated with breast tumorigenesis

Adipocyte 2014; Volume 3; Issue 2

https://www.landesbioscience.com/article/28250/full_text/#load/info/all

Sturtz LA, Melley J, Mamula K, Shriver CD, Ellsworth RE:

Outcome disparities in African American women with triple negative breast cancer: a comparison of epidemiological and molecular factors between African American and Caucasian women with triple negative breast cancer

BMC Cancer. 2014 Feb 4;14(1):62. doi: 10.1186/1471-2407-14-62

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3916697/>

Suárez-Calvet X, Gallardo E, Nogales-Gadea G, Querol L, Navas M, Diaz-Manera J, Rojas-Garcia R, Illa I:

Altered RIG-I/DDX58-mediated innate immunity in dermatomyositis

J Pathol. 2014 Mar 6. doi: 10.1002/path.4346.

<http://onlinelibrary.wiley.com/doi/10.1002/path.4346/abstract>

Subbian S, Tsenova L, Kim MJ, Wainwright HC, Visser A, Bandyopadhyay N, Bader JS, Karakousis PC, Murrmann GB, Bekker LG, Russell DG, Kaplan G:

Lesion-Specific Immune Response in Granulomas of Patients with Pulmonary Tuberculosis: A Pilot Study

PLoS One. 2015 Jul 2;10(7):e0132249. doi: 10.1371/journal.pone.0132249. eCollection 2015.

<http://dx.plos.org/10.1371/journal.pone.0132249>

Sudharsan R, Murgiano L, Ahuja A, Sato Y, Kwok J, Dolgova N, Savina S, Sedorovitz M, Dufour VL, Aguirre GD, Byrne LC, Beltran WA:

Novel Photoreceptor-Specific Promoters for Gene Therapy in Mid-to-Late Stage Retinal Degeneration

Mol Ther. 2025 May 21:S1525-0016(25)00390-9. doi: 10.1016/j.ymthe.2025.05.020.

<https://doi.org/10.1016/j.ymthe.2025.05.020>

Sudharsan R, Murgiano L, Tang HY, Olsen TW, Chavali VRM, Aguirre GD, Beltran WA.:

Short prolactin isoforms are expressed in photoreceptors of canine retinas undergoing retinal degeneration

Sci Rep. 2021 Jan 11;11(1):460. doi: 10.1038/s41598-020-80691-6.

<https://www.nature.com/articles/s41598-020-80691-6>

Sudo T, Iwaya T, Nishida N, Sawada G, Takahashi Y, Ishibashi M, Shibata K, Fujita H, Shirouzu K, Mori M, Mimori K:

Expression of Mesenchymal Markers Vimentin and Fibronectin: The Clinical Significance in Esophageal Squamous Cell Carcinoma

Ann Surg Oncol. 2012 May 30. [Epub ahead of print]

<http://www.springerlink.com/content/b2360668h64gu7h3/>

Sueyama Y, Kaneko T, Ito T, Kaneko R, Okiji T:

Implantation of Endothelial Cells with Mesenchymal Stem Cells Accelerates Dental Pulp Tissue Regeneration/Healing in Pulpotomized Rat Molars

J Endod. 2017 Apr 14. pii: S0099-2399(17)30150-4. doi: 10.1016/j.joen.2017.01.035.

<http://www.sciencedirect.com/science/article/pii/S0099239917301504>

Sugimachi K, Yokobori T, Iinuma H, Ueda M, Ueo H, Shinden Y, Eguchi H, Sudo T, Suzuki A, Maehara Y, Mori M, Mimori K:

Aberrant Expression of Plastin-3 Via Copy Number Gain Induces the Epithelial-Mesenchymal Transition in Circulating Colorectal Cancer Cells

Ann Surg Oncol. 2013 Nov 12.

<http://link.springer.com/article/10.1245%2Fs10434-013-3366-y>

Sugiura F, Inoue K, Okuno K, Sukegawa Y:

Clinical study of Peptide-cocktail vaccination with tegafur-uracil/leucovorin for advanced colorectal cancer.

Gan To Kagaku Ryoho. 2012 Nov;39(12):1760-2. (Article in Japanese)

<http://www.pieronline.jp/content/article/0385-0684/39120/1760>

Sumino J, Uzawa N, Okada N, Miyaguchi K, Mogushi K, Takahashi KI, Sato H, Michikawa C, Nakata Y, Tanaka H, Amagasa T:

Gene expression changes in initiation and progression of oral squamous cell carcinomas revealed by laser microdissection and oligonucleotide microarray analysis

Int J Cancer. 2012 Jun 28. doi: 10.1002/ijc.27702.

<http://dx.doi.org/10.1002/ijc.27702>

Sundaresan S, Meininger CA, Kang AJ, Photenhauer AL, Hayes MM, Sahoo

N, Grembecka J, Cierpicki T, Ding L, Giordano TJ, Else T, Madrigal DJ, Low MJ, Campbell F, Baker

A-M, Xu H, Wright NA, Merchant JL:

Gastrin Induces Nuclear Export and Proteasome Degradation of Menin in Enteric Glial Cells

Gastroenterology (2017), doi: 10.1053/j.gastro.2017.08.038.

[https://linkinghub.elsevier.com/retrieve/pii/S0016-5085\(17\)36071-7](https://linkinghub.elsevier.com/retrieve/pii/S0016-5085(17)36071-7)

Sung CYW, Li M, Jonjic S, Sanchez V, Britt WJ:

Cytomegalovirus infection lengthens the cell cycle of granule cell precursors during postnatal cerebellar development

JCI Insight. 2024 Jun 10;9(11):e175525. doi: 10.1172/jci.insight.175525.

<https://doi.org/10.1172/jci.insight.175525>

Suryamohan K, Krishnankutty SP, Guillory J, Jevit M, Schröder MS, Wu M, Kuriakose B, Mathew OK, Perumal RC, Koludarov I, Goldstein LD, Senger K, Dixon MD, Velayutham D, Vargas D, Chaudhuri S, Muraleedharan M, Goel R, Chen YJ, Ratan A, Liu P, Faherty B, de la Rosa G, Shibata H, Baca M, Sagolla M, Ziai J, Wright GA, Vucic D, Mohan S, Antony A, Stinson J, Kirkpatrick DS, Hannoush RN, Durinck S, Modrusan Z, Stawiski EW, Wiley K, Raudsepp T, Kini RM, Zachariah A, Seshagiri S:

The Indian cobra reference genome and transcriptome enables comprehensive identification of venom toxins.

Nat Genet. 2020 Jan 6. doi: 10.1038/s41588-019-0559-8.

<https://www.nature.com/articles/s41588-019-0559-8.pdf>

Szekerczés T, Galamb Á, Varga N, Benczik M, Kocsis A, Schlachter K, Kiss A, Ács N, Schaff Z, Jeney C, Lendvai G, Sobel G:

Increased miR-20b Level in High Grade Cervical Intraepithelial Neoplasia

Pathol Oncol Res. 2020 Jul 8. doi: 10.1007/s12253-020-00852-w.

<https://link.springer.com/article/10.1007/s12253-020-00852-w>

Szulawski R, Nakazawa M, McCall KD, James CB, Schwartz FL:

Laser capture microdissection tailored to type 1 diabetes mellitus research

Biotechniques. 2016 Jun 1;60(6):293-8. doi: 10.2144/000114426. eCollection 2016.

<http://www.biotechniques.com/article/000114426>

Tachikawa M, Sumiyoshiya Y, Saigusa D, Sasaki K, Watanabe M, Uchida Y, Terasaki T :

Liver zonation index of drug transporter and metabolizing enzyme protein expressions in mouse liver acinus

Drug Metab Dispos. 2018 Mar 5. pii: dmd.117.079244. doi: 10.1124/dmd.117.079244.

<http://dmd.aspetjournals.org/content/dmd/early/2018/03/05/dmd.117.079244.full.pdf?with-ds=yes>

Taddese M, Grudda T, Belluccini G, Anderson M, Cloherty G, Hwang HS, Mani M, Lo CM, Esrig N, Sulkowski MS, Sterling RK, Zhang Y, Ribeiro RM, Thomas DL, Thio CL, Balagopal A:

Transcription of hepatitis B surface antigen shifts from cccDNA to integrated HBV DNA during treatment

J Clin Invest. 2025 Jan 30:e184243. doi: 10.1172/JCI184243.

<https://doi.org/10.1172/jci184243>

Taga M, Eguchi H, Shinohara T, Takahashi K, Ito R, Yasui W, Nakachi K, Kusunoki Y, Hamatani K:

Improved PCR amplification for molecular analysis using DNA from long-term preserved formalin-fixed, paraffin-embedded lung cancer tissue specimens

Int J Clin Exp Pathol 2013;6(1):76-79, www.ijcep.com /ISSN:1936-2625/IJCEP1209008

<http://www.ijcep.com/files/ijcep1209008.pdf>

Taguchi S, Azushima K, Yamaji T, Suzuki T, Abe E, Tanaka S, Hirota K, Tsukamoto S, Morita R, Kobayashi R, Kinguchi S, Yamashita A, Wakui H, Tamura K:

Angiotensin II type 1 receptor-associated protein deletion combined with angiotensin II stimulation accelerates the development of diabetic kidney disease in mice on a C57BL/6 strain

Hypertens Res. 2023 Nov 13. doi: 10.1038/s41440-023-01496-4.

<https://doi.org/10.1038/s41440-023-01496-4>

Takadate T, Onogawa T, Fujii K, Motoi F, Mikami S, Fukuda T, Kihara M, Suzuki T, Takemura T, Minowa T, Hanagata N, Kinoshita K, Morikawa T, Shirasaki K, Rikiyama T, Katayose Y, Egawa S, Nishimura T and Unno M:

Nm23/Nucleoside Diphosphate Kinase-A as a Potent Prognostic marker in Invasive Pancreatic Ductal Carcinoma Identified by Proteomic Analysis of Laser Micro-dissected Formalin-Fixed Paraffin-Embedded Tissue

Clinical Proteomics 2012, 9:8 doi:10.1186/1559-0275-9-8

<http://www.clinicalproteomicsjournal.com/content/9/1/8/abstract>

Takadate T, Onogawa T, Fukuda T, Motoi F, Suzuki T, Fujii K, Kihara M, Mikami S, Bando Y, Maeda S, Ishida K, Minowa T, Hanagata N, Ohtsuka H, Katayose Y, Egawa S, Nishimura T, Unno M:

Novel prognostic protein markers of resectable pancreatic cancer identified by coupled shotgun and targeted proteomics using formalin-fixed paraffin-embedded tissues

Int J Cancer. 2012 Aug 23. doi: 10.1002/ijc.27797.

<http://dx.doi.org/10.1002/ijc.27797>

Takahashi H, Ishikawa T, Ishiguro M, Okazaki S, Mogushi K, Kobayashi H, Iida S, Mizushima H, Tanaka H, Uetake H, Sugihara K:

Prognostic significance of Traf2- and Nck- interacting kinase (TNIK) in colorectal cancer

BMC Cancer. 2015 Oct 24;15:794. doi: 10.1186/s12885-015-1783-y.

<http://www.biomedcentral.com/1471-2407/15/794>

Takahashi K, Sugi Y, Nakano K, Kobayakawa T, Nakanishi Y, Tsuda M, Hosono A, Kaminogawa S

Regulation of Gene Expression through Gut Microbiota-Dependent DNA Methylation in Colonic Epithelial Cells

Immunohorizons. 2020 Apr 15;4(4):178-190. doi: 10.4049/immunohorizons.1900086.

<https://www.immunohorizons.org/content/immunohorizon/4/4/178.full.pdf>

Takahashi N, Yoshida H, Kimura H, Kamiyama K, Kurose T, Sugimoto H, Imura T, Yokoi , Mikami D, Kasuno K, Kurosawa H, Hirayama Y, Naiki H, Hara M, and Iwano M:

Chronic hypoxia exacerbates diabetic glomerulosclerosis through mesangiolysis and podocyte injury in db/db mice

Nephrol Dial Transplant. 2020 Jun 29;gfaa074. doi: 10.1093/ndt/gfaa074.

<https://academic.oup.com/ndt/article-lookup/doi/10.1093/ndt/gfaa074>

Takahashi Y, Sawada G, Kurashige J, Uchi R, Matsumura T, Ueo H, Takano Y, Eguchi H, Sudo T, Sugimachi K, Yamamoto H, Doki Y, Mori M, Mimori K:

Amplification of PVT-1 is involved in poor prognosis via apoptosis inhibition in colorectal cancers

Br J Cancer. 2013 Nov 5. doi: 10.1038/bjc.2013.698.

<http://www.nature.com/bjc/journal/vaop/ncurrent/full/bjc2013698a.html>

Tan S, Sood A, Rahimi H, Wang W, Gupta N, Hicks J, Mosier S, Gocke CD, Epstein JI, Netto GJ, Liu W, Isaacs WB, De Marzo AM, Lotan T:

Rb Loss is Characteristic of Prostatic Small Cell Neuroendocrine Carcinoma

Clin Cancer Res. 2013 Dec 9.

<http://clincancerres.aacrjournals.org/cgi/lookup?view=long&pmid=24323898>

Tan X, Liao L, Wan YP, Li MX, Chen SH, Mo WJ, Zhao QL, Huang LF, Zeng GQ:

Downregulation of selenium-binding protein 1 is associated with poor prognosis in lung squamous cell carcinoma

World J Surg Oncol. 2016 Mar 8;14(1):70. doi: 10.1186/s12957-016-0832-6.

<http://wjso.biomedcentral.com/articles/10.1186/s12957-016-0832-6>

Tam A, Tanabe N, Churg A, Wright JL, Hogg JC, Sin DD:

Sex differences in lymphoid follicles in COPD airways

Respir Res. 2020 Feb 7;21(1):46. doi: 10.1186/s12931-020-1311-8.

<https://respiratory-research.biomedcentral.com/articles/10.1186/s12931-020-1311-8>

Tanakaya K, Kumamoto K, Tada Y, Eguchi H, Ishibashi K, Idani H, Tachikawa T, Akagi K, Okazaki Y, Ishida H:

A germline MBD4 mutation was identified in a patient with colorectal oligopolyposis and early-onset cancer: A case report

Oncol Rep. 2019 Jul 17. doi: 10.3892/or.2019.7239.

<https://www.spandidos-publications.com/10.3892/or.2019.7239>

Tanimizu H, Hara R, Sekine A, Inoue N, Hasegawa E, Tanaka K, Kono K, Kinowaki K, Ohashi K, Okubo M, Yamaguchi Y, Kang D, Honda K, Saito T, Sawa N, Ubara Y, Hoshino J:

Apolipoprotein E-associated Lipoprotein Glomerulo-tubulopathy

Intern Med. 2023;62(15):2209-2214. doi: 10.2169/internalmedicine.0834-22. Epub 2023 Aug 1.

<https://doi.org/10.2169/internalmedicine.0834-22>

Tasaki M, Ueda M, Hoshii Y, Mizukami M, Matsumoto S, Nakamura M, Yamashita T, Ueda A, Misumi Y, Masuda T, Inoue Y, Torikai T, Nomura T, Tsuda Y, Kanenawa K, Isoguchi A, Okada M, Matsui H, Obayashi K, Ando Y:

A novel age-related venous amyloidosis derived from EGF-containing fibulin-like extracellular matrix protein 1

Pathology, 22 Nv 2018, doi: 10.1002/path.5203

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/path.5203>

Tasioudi KE, Saetta AA, Sakellariou S, Levidou G, Michalopoulos NV, Theodorou D, Patsouris E, Korkolopoulou P:

pERK activation in esophageal carcinomas: Clinicopathological associations

Pathol Res Pract. 2012 Jun 1.

<http://www.sciencedirect.com/science/article/pii/S0344033812001331>

Taube JM, Anders RA, Young GD, Xu H, Sharma R, McMiller TL, Chen S, Klein AP, Pardoll DM, Topalian SL, Chen L:

Colocalization of inflammatory response with B7-h1 expression in human melanocytic lesions supports an adaptive resistance mechanism of immune escape

Sci Transl Med. 2012 Mar 28;4(127):127ra37. doi: 10.1126/scitranslmed.3003689.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3568523/>

Taylor GW, Gilbertson JA, Sayed R, Blanco A, Rendell NB, RowczenioD, Rezk T, Mangione PP, Canetti D, Bass P, Hawkins PN, Gillmore JD:

Proteomic analysis for the diagnosis of fibrinogen A α -chain amyloidosis

Kidney International Reports (2019 Apr 15), doi: <https://doi.org/10.1016/j.ekir.2019.04.007>.

<https://www.sciencedirect.com/science/article/pii/S2468024919301548#!>

Te N, Rodon J, Pérez M, Segalés J, Vergara-Alert J, Bensaid A:

Enhanced replication fitness of MERS-CoV clade B over clade A strains in camelids explains the dominance of clade B strains in the Arabian Peninsula

Emerg Microbes Infect. 2021 Dec 17:1-51. doi: 10.1080/22221751.2021.2019559.

<https://www.tandfonline.com/doi/pdf/10.1080/22221751.2021.2019559>

Teh J, Biswas K, Waldvogel-Thurlow S, Broderick D, Clark ST, Johnston J, Mackenzie BW, Douglas R:

Paired qualitative and quantitative analysis of bacterial microcolonies in the tonsils of patients with tonsillar hyperplasia

Microbes Infect. 2024 Mar 5:105317. doi: 10.1016/j.micinf.2024.105317.

<https://doi.org/10.1016/j.micinf.2024.105317>

Teixeira VH, Nadarajan P, Graham TA, Pipinikas CP, Brown JM, Falzon M, Nye E, Poulosom R, Lawrence D, Wright NA, McDonald S, Giangreco A, Simons BD, Janes SM:

Stochastic homeostasis in human airway epithelium is achieved by neutral competition of basal cell progenitors

Elife. 2013 Oct 22;2:e00966. doi: 10.7554/eLife.00966.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3804062/>

Tekin B, Dasari S, Theis JD, Vrana JA, Murray DL, Oglesbee D, Thompson RH, Leibovich BC, Boorjian SA, Whaley RD, Hernandez LH, Jimenez RE, Cheville JC, Karnes RJ, Sukov WR, Gupta S:

Mass Spectrometry-Based Assessment of Prostate Cancer-Associated Crystalloids Reveals Enrichment for Growth & Differentiation Factor 15 (GDF15)

Hum Pathol. 2023 Mar 9:S0046-8177(23)00050-3. doi: 10.1016/j.humpath.2023.03.001.

<https://doi.org/10.1016/j.humpath.2023.03.001>

Tekin B, Gilani SI, Dasari S, Theis JD, Rech KL, Dao LN, Cubilla AL, Herrera Hernandez LP, Jimenez RE, Cheville JC, Dispenzieri A, Howard MT, McPhail ED, Erickson LA, Guo R, Gupta S:

Proteomic and Clinicopathologic Assessment of Penile Amyloidosis : A Single Institutional Review of 12 Cases

Am J Clin Pathol. 2023 May 18;aqad054. doi: 10.1093/ajcp/aqad054.

<https://doi.org/10.1093/ajcp/aqad054>

Terrier B, Colombat M, Beugnet C, Quéant A, London J, Daudin JB, Le Jeune C, Mouthon L, Monnet D, Cauquil C, Lacroix C, Adams D, Brézin A, Valleix S:

Vitreous amyloidosis with autonomic neuropathy of the digestive tract associated with a novel transthyretin p.Gly87Arg variant in a Bangladeshi patient: a case report

J Med Case Rep. 2017 Aug 13;11(1):222. doi: 10.1186/s13256-017-1407-z.

<https://jmedicalcasereports.biomedcentral.com/articles/10.1186/s13256-017-1407-z>

Tezuka Y, Eguchi-Ishimae M, Ozaki E, Ito T, Ishii E, Eguchi M:

Activation of fibroblast growth factor-inducible 14 in the early phase of childhood IgA nephropathy

PLoS One. 2021 Oct 1;16(10):e0258090. doi: 10.1371/journal.pone.0258090. eCollection 2021.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0258090>

Theis JD, Dasari S, Vrana JA, Kurtin PJ, Dogan A:

Shotgun-proteomics-based clinical testing for diagnosis and classification of amyloidosis

J. Mass Spectrom., Volume 48, Issue 10, 1096-9888

<http://dx.doi.org/10.1002/jms.3264>

Thennavan A, Sharma M, Chandrashekar C, Hunter K, Radhakrishnan R:

Exploring the Potential of Laser Capture Microdissection Technology in Integrated Oral BioSciences

Oral Dis. 2016 Aug 31. doi: 10.1111/odi.12578.

<http://onlinelibrary.wiley.com/doi/10.1111/odi.12578/full>

Thi-Ngoc Vo D, Nakayama T, Yamamoto H, Mukaisho K, Hattori T and Sugihara H:

Progression risk assessments of individual non-invasive gastric neoplasms by genomic copy-number profile and mucin phenotype

BMC Medical Genomics 18 Feb 2015, 8:6 doi:10.1186/s12920-015-0080-6

<http://www.biomedcentral.com/1755-8794/8/6/abstract>

Thienel M, Müller-Reif JB, Zhang Z, Ehreiser V, Huth J, Shchurovska K, Kilani B, Schweizer L, Geyer PE, Zwiebel M, Novotny J, Lüsebrink E, Little G, Orban M, Nicolai L, El Nemr S, Titova A, Spannagl M, Kindberg J, Evans AL, Mach O, Vogel M, Tiedt S, Ormanns S, Kessler B, Dueck A, Friebe A, Jørgensen PG, Majzoub-Altweck M, Blutke A, Polzin A, Stark K, Käab S, Maier D, Gibbins JM, Limper U, Frobert O, Mann M, Massberg S, Petzold T:

Immobilization-associated thromboprotection is conserved across mammalian species from bear to human

Science. 2023 Apr 14;380(6641):178-187. doi: 10.1126/science.abo5044.

<https://doi.org/10.1126/science.abo5044>

Thoeni C, Waldherr R, Scheuerer J, Schmitteckert S, Roeth R, Niesler B, Cutz E, Flechtenmacher C, Goeppert B, Schirmacher P, Lasitschka F:

Expression Analysis of ATP-Binding Cassette Transporters ABCB11 and ABCB4 in Primary Sclerosing Cholangitis and Variety of Pediatric and Adult Cholestatic and Noncholestatic Liver Diseases

Can J Gastroenterol Hepatol. 2019 Dec 10;2019:1085717. doi: 10.1155/2019/1085717. eCollection 2019.

<https://dx.doi.org/10.1155/2019/1085717>

Tokiwa N, Nakamura S, Satoh K, and Yoshii T:

Isolation method from mixture of blood stain by ABO blood typing and DNA testing

法科学技術, 19(1), 1–8(2014) (article in Japanese)

https://www.jstage.jst.go.jp/article/jafst/19/1/19_1/_article/-char/ja/

Tominaga K, Toda E, Takeuchi K, Takakuma S, Sakamoto E, Kuno H, Kajimoto Y, Terasaki Y, Kunugi S, Terasaki M, Goto H, Imakiire T, Oshima N, Shimizu A:

Myeloperoxidase-associated membranous nephropathy in anti-neutrophil cytoplasmic antibody-associated glomerulonephritis

Kidney International Reports, 23 April 2024

<https://doi.org/10.1016/j.ekir.2024.04.041>

Tonade D:

Role of Photoreceptor Cells in Diabetic Retinopathy

Thesis, 2018

https://etd.ohiolink.edu/!etd.send_file?accession=case1505440070603758&disposition=inline

Tonade D, Liu H, Kern TS:

Photoreceptor Cells Produce Inflammatory Mediators That Contribute to Endothelial Cell Death in Diabetes

Invest Ophthalmol Vis Sci. 2016 Aug 1;57(10):4264-71. doi: 10.1167/iovs.16-19859.

<http://iovs.arvojournals.org/article.aspx?doi=10.1167/iovs.16-19859>

Toriu N, Sawa N, Hiramatsu R, Mizuno H, Ikuma D, Sekine A, Hayami N, Sumida K, Yamanouchi M, Hasegawa E, Hoshino J, Takaichi K, Wake A, Ohashi K, Fujii T, Ubara Y

Regression of renal amyloid deposits by VAD therapy plus autologous stem cell transplantation in a patient with primary AL amyloidosis

CEN Case Rep. 2019 Sep 14. doi: 10.1007/s13730-019-00416-1.

<https://dx.doi.org/10.1007/s13730-019-00416-1>

Toro AL, Costantino NS, Shriver CD, Ellsworth DL, Ellsworth RE:

Effect of obesity on molecular characteristics of invasive breast tumors: gene expression analysis in a large cohort of female patients

BMC Obes. 2016 Apr 29;3:22. doi: 10.1186/s40608-016-0103-7. eCollection 2016.

<http://bmcbobes.biomedcentral.com/articles/10.1186/s40608-016-0103-7>

Tsoka P, Matsumoto H, Maidana DE, Kataoka K, Naoumidi I, Gravanis A, Vavvas DG, Tsilimbaris MK:

Effects of BNN27, a novel C17-spiroepoxy steroid derivative, on experimental retinal detachment-induced photoreceptor cell death

Sci Rep. 2018 Jul 13;8(1):10661. doi: 10.1038/s41598-018-28633-1.

<http://dx.doi.org/10.1038/s41598-018-28633-1>

Tsujihana K, Tanegashima K, Santo Y, Yamada H, Akazawa S, Nakao R, Tominaga K, Saito R, Nishito Y, Hata RI, Nakamura T, Murai I, Kono Y, Sugawa M, Tanioka M, Egawa G, Doi M, Isa T, Kabashima K, Hara T, Okamura H:

Circadian protection against bacterial skin infection by epidermal CXCL14-mediated innate immunity

Proc Natl Acad Sci U S A. 2022 Jun 21;119(25):e2116027119. doi: 10.1073/pnas.2116027119. Epub 2022 Jun 15.

<https://www.pnas.org/doi/epdf/10.1073/pnas.2116027119>

Tsukita S, Yamada T, Takahashi K, Munakata Y, Hosaka S, Takahashi H, Gao J, Shirai Y, Kodama S, Asai Y, Sugisawa T, Chiba Y, Kaneko K, Uno K, Sawada S, Imai J, Katagiri H:

MicroRNAs 106b and 222 Improve Hyperglycemia in a Mouse Model of Insulin-Deficient Diabetes via Pancreatic β -Cell Proliferation

The Lancet, Ebiomedicine, EBIOM-00890, 2016 Dec 07

[http://www.ebiomedicine.com/article/S2352-3964\(16\)30580-1/abstract](http://www.ebiomedicine.com/article/S2352-3964(16)30580-1/abstract)

Tuomisto, T.T., Korkeela, A., Rutanen, J., Viita, H., Brasen, J.H., Riekkinen, M.S., Rissanen, T.T., Karkola, K., Kiraly, Z., Kolble, K., and Yla-Herttuala, S.:

Gene expression in macrophage-rich inflammatory cell infiltrates in human atherosclerotic lesions as studied by laser microdissection and DNA array: overexpression of HMG-CoA reductase, colony stimulating factor receptors, CD11A/CD18 integrins, and interleukin receptors

Arterioscler Thromb Vasc Biol 23(12): 2235-2240 (2003)

<http://atvb.ahajournals.org/cgi/content/full/23/12/2235>

Uchi R, Takahashi Y, Niida A, Shimamura T, Hirata H, Sugimachi K, Sawada G, Iwaya T, Kurashige J, Shinden Y, Iguchi T, Eguchi H, Chiba K, Shiraishi Y, Nagae G, Yoshida K, Nagata Y, Haeno H, Yamamoto H, Ishii H, Doki Y, Iinuma H, Sasaki S, Nagayama S, Yamada K, Yachida S, Kato M, Shibata T, Oki E, Saeki H, Shirabe K, Oda Y, Maehara Y, Komune S, Mori M, Suzuki Y, Yamamoto K, Aburatani H, Ogawa S, Miyano S, Mimori K:

Integrated Multiregional Analysis Proposing a New Model of Colorectal Cancer Evolution

PLoS Genet. 2016 Feb 18;12(2):e1005778. doi: 10.1371/journal.pgen.1005778. eCollection 2016.

<http://dx.plos.org/10.1371/journal.pgen.1005778>

Ueda NK, Mimaki M, Ito S, Murakami A, Yokoi S, Nishino I, Katsuno M, Goto YI:

A novel m.14677 T > C variant in mitochondrial tRNA^{Glu} gene causes chronic progressive external ophthalmoplegia

J Hum Genet. 2025 Aug 6. doi: 10.1038/s10038-025-01381-7.

<https://doi.org/10.1038/s10038-025-01381-7>

Uemasu K, Tanabe N, Tanimura K, Hasegawa K, Mizutani T, Hamakawa Y, Sato S, Ogawa E, Thomas MJ, Ikegami M, Muro S, Hirai T, Sato A:

Serine Protease Imbalance in the Small Airways and Development of Centrilobular Emphysema in COPD

Am J Respir Cell Mol Biol. 2020 Feb 26. doi: 10.1165/rcmb.2019-0377OC.

<https://www.atsjournals.org/doi/abs/10.1165/rcmb.2019-0377OC>

Ueno S, Yoneshige A, Koriyama Y, Hagiyaama M, Shimomura Y, Ito A:

Early Gene Expression Profile in Retinal Ganglion Cell Layer After Optic Nerve Crush in Mice

Invest Ophthalmol Vis Sci. 2018 Jan 1;59(1):370-380. doi: 10.1167/iovs.17-22438.

<http://iovs.arvojournals.org/article.aspx?articleid=2670450>

Uozaki H, Morita S, Kumagai A, Aso T, Soejima Y, Takahashi Y and Fukusato T:

Stromal miR-21 is more important than miR-21 of tumour cells for the progression of gastric cancer

Histopathology, SN - 1365-2559, 8 Jul 2014, doi: 10.1111/his.12491

<http://dx.doi.org/10.1111/his.12491>

Valente AL, Kane JL, Ellsworth DL, Shriver CD, Ellsworth RE:

Molecular response of the axillary lymph node microenvironment to metastatic colonization

J Clinical & Experimental Metastasis, April 2014; 10.1007/s10585-014-9650-9

<http://link.springer.com/article/10.1007/s10585-014-9650-9#>

Valleix S, Gillmore JD, Bridoux F, Mangione PP, Dogan A, Nedelec B, Boimard M, Touchard G, Goujon JM, Lacombe C, Lozeron P, Adams D, Lacroix C, Maisonneuve T, Planté-Bordeneuve V, Vrana JA, Theis JD, Giorgetti S, Porcari R, Ricagno S, Bolognesi M, Stoppini M, Delpech M, Pepys MB, Hawkins PN, Bellotti V:

Hereditary systemic amyloidosis due to Asp76Asn variant β 2-microglobulin

N Engl J Med. 2012 Jun 14;366(24):2276-83

<http://www.nejm.org/doi/full/10.1056/NEJMoa1201356>

Valleix S, Verona G, Jourde-Chiche N, Nédelec B, Mangione PP, Bridoux F, Mangé A, Dogan A, Goujon JM, Lhomme M, Dauteuille C, Chabert M, Porcari R, Waudby CA, Relini A, Talmud PJ, Kovrov O, Olivecrona G, Stoppini M, Christodoulou J, Hawkins PN, Grateau G, Delpech M, Kontush A, Gillmore JD, Kalopissis AD, Bellotti V:

D25V apolipoprotein C-III variant causes dominant hereditary systemic amyloidosis and confers cardiovascular protective lipoprotein profile

Nat Commun. 2016 Jan 21;7:10353. doi: 10.1038/ncomms10353.

<http://dx.doi.org/10.1038/ncomms10353>

van der Aart TJ, Molema G, Jongman RM, Bouma HR, Koeze J, Moser J, van Londen M, Hackl M, Diendorfer AB, Ter Maaten JC, van Meurs M, Luxen M:

Uncovering molecular markers of the microvascular endothelial response in sepsis-associated acute kidney injury: a translational study in mice and humans

Intensive Care Med Exp. 2025 Sep 2;13(1):92. doi: 10.1186/s40635-025-00801-4.

<https://doi.org/10.1186/s40635-025-00801-4>

van Wageningen TA, Gerrits E, Brouwer N, Brevé JJP, Geurts JJG, Eggen BJL, Boddeke HWGME, van Dam AM:

Distinct gene expression in demyelinated white and grey matter areas of patients with multiple sclerosis

Brain Commun. 2022 Jan 17;4(2):fcac005. doi: 10.1093/braincomms/fcac005. eCollection 2022.

<https://pure.rug.nl/ws/portalfiles/portal/216904699/fcac005.pdf>

van Wageningen, T.A., Gerrits, E., Geleijnse, A., Brouwer, N., Geurts, J.J.G., Eggen, B.J.L., Boddeke, H.W.G.M., van Dam, A-M.:

Distinct gene expression profiles in leukocortical demyelinated white and grey matter areas of Multiple Sclerosis patients

bioRxiv, Jun 2020, 10.1101/2020.06.03.131300

<https://www.biorxiv.org/content/10.1101/2020.06.03.131300v1>

van Wijk XM, Vallen MJ, van de Westerlo EM, Oosterhof A, Hao W, Versteeg EM, Raben J, Wismans RG, Smetsters TF, Dijkman HB, Schalkwijk J, van Kuppevelt TH:

Extraction and structural analysis of glycosaminoglycans from formalin-fixed, paraffin-embedded tissues

Glycobiology. 2012 Aug 2. [Epub ahead of print]

<http://glycob.oxfordjournals.org/content/early/2012/08/02/glycob.cws119.abstract>

Varga-Zsíros V, Migh E, Marton A, Kóta Z, Vizler C, Tiszlavicz L, Horváth P, Török Z, Vígh L, Balogh G and Péter M:

Development of a Laser Microdissection-Coupled Quantitative Shotgun Lipidomic Method to Uncover Spatial Heterogeneity

Cells 2023, 12(3), 428; <https://doi.org/10.3390/cells12030428>

<https://www.mdpi.com/2073-4409/12/3/428#>

Vavříňová A, Behuliak M, Bencze M, Vodička M, Ergang P, Vaněčková I, Zicha J:

Sympathectomy-induced blood pressure reduction in adult normotensive and hypertensive rats is counteracted by enhanced cardiovascular sensitivity to vasoconstrictors

Hypertens Res. 2019 Sep 17. doi: 10.1038/s41440-019-0319-2.

<https://www.nature.com/articles/s41440-019-0319-2>

Venables T, Griffith AV, DeAraujo A, Petrie HT:

Dynamic changes in epithelial cell morphology control thymic organ size during atrophy and regeneration

Nat Commun. 2019 Sep 27;10(1):4402. doi: 10.1038/s41467-019-11879-2.

<https://www.nature.com/articles/s41467-019-11879-2.pdf>

Verckist L, Lembrechts R, Thys S, Pintelon I, Timmermans JP, Brouns I, Adriaensen D:
Selective gene expression analysis of the neuroepithelial body microenvironment in postnatal lungs with special interest for potential stem cell characteristics
Respir Res. 2017 May 8;18(1):87. doi: 10.1186/s12931-017-0571-4.
<https://respiratory-research.biomedcentral.com/articles/10.1186/s12931-017-0571-4>

Vermeulen I, Mohren R, Neusinger M, Dancker TA, Vandenbosch M, Beckervordersandforth J, Balluff B, Van der Hel RP, Schijns OEMG, Hoogland G, Rijkers K, Cillero-Pastor B; ACE epilepsy surgery group:
Toward molecular phenotyping of temporal lobe epilepsy by spatial omics
Epilepsia. 2025 Mar 20. doi: 10.1111/epi.18366
<https://doi.org/10.1111/epi.18366>

Vidaña B, Martínez J, Martorell J, Montoya M, Córdoba L, Pérez M, Majó N:
Involvement of the different lung compartments in the pathogenesis of pH1N1 influenza virus infection in ferrets
Vet Res. 2016 Nov 8;47(1):113.
<https://veterinaryresearch.biomedcentral.com/articles/10.1186/s13567-016-0395-0>

Vieujean S, Hu S, Bequet E, Salee C, Massot C, Bletard N, Pierre N, Quesada Calvo F, Baiwir D, Mazzucchelli G, De Pauw E, Coimbra Marques C, Delvenne P, Rieder F, Louis E, Meuwis MA:
Potential Role of Epithelial Endoplasmic Reticulum Stress and Anterior Gradient Protein 2 Homolog in Crohn's Disease Fibrosis
J Crohns Colitis. 2021 Apr 2;jjab061. doi: 10.1093/ecco-jcc/jjab061.
<https://academic.oup.com/ecco-jcc/advance-article/doi/10.1093/ecco-jcc/jjab061/6208272>

Vincenti DC and Murray GI
The proteomics of formalin-fixed wax-embedded tissue
Clinical Biochemistry, epub 9 Oct 2012, ISSN 0009-9120, 10.1016/j.clinbiochem.2012.10.002.
<http://www.sciencedirect.com/science/article/pii/S0009912012005577?v=s5>

Vissers G, Peek R, Verdurmen WPR, Nap AW:
Endometriotic tissue fragments are viable after cryopreservation in an ex vivo tissue model recapitulating the fibrotic microenvironment
Hum Reprod. 2024 Jul 18;deae164. doi: 10.1093/humrep/deae164.
<https://doi.org/10.1093/humrep/deae164>

Voeghtly LM, Mamula K, Campbell JL, Shriver CD, Ellsworth RE:
Molecular Alterations Associated with Breast Cancer Mortality
PLoS ONE 7(10): e46814. doi:10.1371/journal.pone.0046814
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0046814>

Vrana JA, Gamez JD, Madden BJ, Theis JD, Bergen HR 3rd, Dogan A:
Classification of amyloidosis by laser microdissection and mass spectrometry-based proteomic analysis in clinical biopsy specimens
Blood 114(24): 4957-9 (2009)
<http://bloodjournal.hematologylibrary.org/content/114/24/4957.short>

Vrana JA, Theis JD, Wegwerth PJ, Dasari S, Madden B, Nasr SH, Fidler M, McPhail ED, Fervenza FC, Sethi S:
A reliable clinical test for detection of membranous nephropathy antigens using laser microdissection and mass spectrometry
Kidney International (2024), doi: <https://doi.org/10.1016/j.kint.2024.07.031>
<https://doi.org/10.1016/j.kint.2024.07.031>

Wada T, Senokuchi T, Shi Y, Furusho T, Morita Y, Sarie M, Hanatani S, Fukuda K, Ishii N, Matsumura T, Fujiwara Y, Komohara Y, Araki E, Kubota N:

Orally administrated acetate inhibits atherosclerosis progression through AMPK activation via GPR43 in plaque macrophages

Atherosclerosis. 2024 Dec 12;401:119088. doi: 10.1016/j.atherosclerosis.2024.119088.

<https://doi.org/10.1016/j.atherosclerosis.2024.119088>

Wagner F:

Genexpressionsstudien zur Etablierung der adulten murinen organotypischen Retinakultur als Modell für gentherapeutische Ansätze

Thesis (German language), July 2019

http://geb.uni-giessen.de/geb/volltexte/2019/14890/pdf/WagnerFranziska_2019_10_10.pdf

Walsh HL:

Application of Molecular Pathology Techniques to Understand Mechanisms of Disease in Smallmouth Bass

Thesis 2018

<https://researchrepository.wvu.edu/cgi/viewcontent.cgi?article=4696&context=etd>

Wamunyokoli, F.W., Bonome, T., Lee, J.Y., Feltmate, C.M., Welch, W.R., Radonovich, M., Pise-Masison, C., Brady, J., Hao, K., Berkowitz, R.S., Mok, S., and Birrer, M.J.:

Expression profiling of mucinous tumors of the ovary identifies genes of clinicopathologic importance

Clin Cancer Res 12(3 Pt 1): 690-700 (2006)

<http://clincancerres.aacrjournals.org/content/12/3/690.long>

Wan Y, Slevin E, Koyama S, Huang CK, Shetty AK, Li X, Harrison K, Li T, Zhou B, Lorenzo SR, Zhang Y, Salinas JM, Xu W, Klaunig JE, Wu C, Tsukamoto H, Meng F:

miR-34a regulates macrophage-associated inflammation and angiogenesis in alcohol-induced liver injury

Hepatology. 2023 Apr 4;77(4):e0089. doi: 10.1097/HCG.000000000000089.

<https://doi.org/10.1097%2FHC9.000000000000089>

Wang B, Li L, Liao Y, Li J, Yu X, Zhang Y, Xu J, Rao H, Chen S, Zhang L, Zheng L:

Mast cells expressing interleukin 17 in the muscularis propria predict a favorable prognosis in esophageal squamous cell carcinoma

Cancer Immunol Immunother. 2013 Aug 3.

<http://link.springer.com/article/10.1007%2Fs00262-013-1460-4>

Wang C, Zhan P, Wang L, Zeng R, Shen Y, Lv G, Li D, Deng S, Liu W:

The Application of Laser Microdissection in Molecular Detection and Identification of Aspergillus fumigatus from Murine Model of Acute Invasive Pulmonary Aspergillosis

Mycopathologia. 2014 Jun 29.

<http://link.springer.com/article/10.1007/s11046-014-9777-x>

Wang D, Nguyen MM, Masoodi KZ, Singh P, Jing Y, O'Malley K, Dhir R, Wang Z:

Splicing factor Prp8 interacts with NESAR and regulates androgen receptor in prostate cancer cells

Mol Endocrinol. 2015 Sep 15;me20151112.

http://press.endocrine.org/doi/10.1210/me.2015-1112?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed

Wang J, Zhang, J, Chen X, Yang Y, Wang F, Li W, Awuti M, Sun Y, Lian C, Li Z, Wang M, Xu J-Y, Jin C, Tian H, Gao F, Zhang J, Sinha D, Lu L, Xu G-T:

miR-365 promotes diabetic retinopathy through inhibiting Timp3 and increasing oxidative stress

Experimental Eye Research, 0014-4835, 28 Nov 2017, <https://doi.org/10.1016/j.exer.2017.11.006>
<https://www.sciencedirect.com/science/article/pii/S0014483517305055>

Wang K, Liu R, Li L, Duan X, Zhao X, Cong H, Gao X, Yin K, Gao Z, Zhou Z:
Development of a novel targeted LC-MS/MS Methods for the typing of cardiac amyloidosis
Analytica Chimica Acta, 18 July 2025, 344453
<https://doi.org/10.1016/j.aca.2025.344453>

Wang X, Wang F, Iyer AS, Knight H, Duggan LJ, Yang Y, Jin L, Cui B, He Y, Schejbal J, Philips LA, Harvey BP, Sisó S, and Tian Y:
Integrative Spatial Proteomics and Single-Cell RNA Sequencing Unveil Molecular Complexity in Rheumatoid Arthritis for Novel Therapeutic Targeting
Proteomes 2025, 13(2), 17; <https://doi.org/10.3390/proteomes13020017>
<https://doi.org/10.3390/proteomes13020017>

Wang X, Zhang Y, Jin Y, Dai L, Yue Y, Hu J, Liu X, Pang K, Ye S, Chen Y, Ye W, Shi X, Ma X, Guo L, Liu Y, Ta N, Zhu X, Lin L, Wang J, Yan R, Wang P, Song X, Zhou Y, Zhou L, Wang Q, Guan T, Li T, Zhou L, Pan W, He Y, Wu X, Xu Y, Yang L, Xu H:
An iPSC-derived CD19/BCMA CAR-NK therapy in a patient with systemic sclerosis
Cell. 2025 Jun 16:S0092-8674(25)00625-7. doi: 10.1016/j.cell.2025.05.038.
<https://doi.org/10.1016/j.cell.2025.05.038>

Wang Y:
Mutational processes in normal human tissues
Thesis, Apollo - University of Cambridge Repository (2024)
<https://doi.org/10.17863/CAM.113024>

Wang Y:
Role of macrophage CB1 in atherosclerosis
Thesis, 2024
https://edoc.ub.uni-muenchen.de/33355/6/Wang_Yong.pdf

Wang Y, Li G, Chen B, Shakir G, Volz M, van der Vorst EPC, Maas SL, Geiger M, Jethwa C, Bartelt A, Li Z, Wettich J, Sachs N, Maegdefessel L, Nazari Jahantigh M, Hristov M, Lacy M, Lutz B, Weber C, Herzig S, Guillaumat Prats R, Steffens S:
Myeloid cannabinoid CB1 receptor deletion confers atheroprotection in male mice by reducing macrophage proliferation in a sex-dependent manner
Cardiovasc Res. 2024 Jun 5:cvae125. doi: 10.1093/cvr/cvae125.
<https://doi.org/10.1093/cvr/cvae125>

Wang Y, Wang W, Gao S, Wang L, and Liang J:
Laser microdissection-based analysis of cytokine balance in the kidneys of patients with ANCA-associated glomerulonephritis
Int J Clin Exp Pathol 2016;9(2):1068-1080
<http://www.ijcep.com/files/ijcep0018951.pdf>

Wang Y, Wu RC, Shwartz LE, Haley L, Lin MT, Shih IM, Kurman RJ:
Clonality Analysis of Combined Brenner and Mucinous Tumours of the Ovary Reveals Their Monoclonal Origin
J Pathol. 2015 Jun 12. doi: 10.1002/path.4572.
<http://dx.doi.org/10.1002/path.4572>

Wang Z:
Microvascular endothelial activation in mouse sepsis: Focus on inflammatory activation and organ-specific responses

Thesis fully internal (DIV), University of Groningen

<https://research.rug.nl/en/publications/microvascular-endothelial-activation-in-mouse-sepsis-focus-on-inf>

Wang Z, Liu CH, Huang S, Fu Z, Tomita Y, Britton WR, Cho SS, Chen CT, Sun Y, Ma JX, and Chen J:
Wnt signaling activates MFSD2A to suppress vascular endothelial transcytosis and maintain blood-retinal barrier

Science Advances 28 Aug 2020: Vol. 6, no. 35, eaba7457; DOI: 10.1126/sciadv.aba7457

<https://advances.sciencemag.org/content/advances/6/35/eaba7457.full.pdf>

Wang Z, Yemanyi F, Blomfield AK, Bora K, Huang S, Liu CH, Britton WR, Cho SS, Tomita Y, Fu Z, Ma JX, Li WH, Chen J:

Amino acid transporter SLC38A5 regulates developmental and pathological retinal angiogenesis

Elife. 2022 Dec 1;11:e73105. doi: 10.7554/eLife.73105.

<https://elifesciences.org/articles/73105.pdf>

Wang Z, Zhang Z, Li Y, Zhang Y, Wei M, Li H, Yang S, Zhou Y, Zhou X, Xing G:

Endothelial-derived complement factor D contributes to endothelial dysfunction in malignant nephrosclerosis via local complement activation

Hypertens Res. 2023 May 15:1-12. doi: 10.1038/s41440-023-01300-3.

<https://doi.org/10.1038/s41440-023-01300-3>

Weiss CAM, Brown LA, Miranda L, Pelizzoni P, Ben-Moshe S, Steigerwald S, Remmert K, Hernandez J, Borgwardt K, Rosenberger FA, Porat-Shliom N, Mann M:

Single cell spatial proteomics maps human liver zonation patterns and their vulnerability to fibrosis

bioRxiv, 13. April 2025

<https://doi.org/10.1101/2025.04.13.648568>

Wijesundera KK, Izawa T, Tennakoon AH, Golbar HM, Tanaka M, Kuwamura M, Yamate J:

M1-/M2-macrophage polarization in pseudolobules consisting of adipophilin-rich hepatocytes in thioacetamide (TAA)-induced rat hepatic cirrhosis

Exp Mol Pathol. 2016 Jul 21. pii: S0014-4800(16)30161-7. doi: 10.1016/j.yexmp.2016.07.005.

[http://linkinghub.elsevier.com/retrieve/pii/S0014-4800\(16\)30161-7](http://linkinghub.elsevier.com/retrieve/pii/S0014-4800(16)30161-7)

Wilkinson PD, Alencastro F, Delgado ER, Leek MP, Weirich MP, Otero PA, Roy N, Brown WK, Oertel M, Duncan AW:

Polyploid Hepatocytes Facilitate Adaptation and Regeneration to Chronic Liver Injury

Am J Pathol. 2019 Mar 27. pii: S0002-9440(18)30970-2. doi: 10.1016/j.ajpath.2019.02.008.

<https://www.sciencedirect.com/science/article/pii/S0002944018309702#!>

Wu CY, Cilic A, Pak O, Dartsch RC, Wilhelm J, Wujak M, Lo K, Brosien M, Zhang R, Alkoudmani I, Witte B, Pedersen F, Watz H, Voswinckel R, Günther A, Ghofrani HA, Brandes RP, Schermuly RT, Grimminger F, Seeger W, Sommer N, Weissmann N, Hadzic S:

CEACAM6 as a Novel Therapeutic Target to Boost HO-1-mediated Antioxidant Defense in COPD

Am J Respir Crit Care Med. 2023 May 23. doi: 10.1164/rccm.202208-1603OC.

<https://doi.org/10.1164/rccm.202208-1603OC>

Wu F, Huang D, Wang L, Xu Q, Liu F, Ye X, Meng X, Du X:

92-Genes Molecular Profiling in Identification of Cancer Origin: A Retrospective Study in Chinese Population and Performance within Different Subgroups

PLoS One. 2012;7(6):e39320.

<http://dx.plos.org/10.1371/journal.pone.0039320>

Wu N, Meng F, Invernizzi P, Bernuzzi F, Venter J, Standeford H, Onori P, Marziani M, Alvaro D, Franchitto A, Gaudio E, Glaser S, Alpini G:

The secretin/secretin receptor axis modulates liver fibrosis through changes in TGF- β 1 biliary secretion

Hepatology. 2016 Apr 26. doi: 10.1002/hep.28622.

<http://dx.doi.org/10.1002/hep.28622>

Wu N, Meng F, Zhou T, Venter J, Giang TK, Kyritsi K, Wu C, Alvaro D, Onori P, Mancinelli R, Gaudio E, Francis H, Alpini G, Glaser S, Franchitto A:

The Secretin/Secretin Receptor Axis Modulates Ductular Reaction and Liver Fibrosis through Changes in Transforming Growth Factor- β 1-Mediated Biliary Senescence

Am J Pathol. 2018 Jul 21. pii: S0002-9440(18)30150-0. doi: 10.1016/j.ajpath.2018.06.015.

[https://linkinghub.elsevier.com/retrieve/pii/S0002-9440\(18\)30150-0](https://linkinghub.elsevier.com/retrieve/pii/S0002-9440(18)30150-0)

Wünnemann F, Sicklinger F, Bestak K, Nimo J, Thiemann T, Amrute J, Nordbeck M, Hartmann N, Ibarra-Arellano MA, Tanevski J, Heine C, Frey N, Lavine KJ, Coscia F, Saez-Rodriguez J, Leuschner F, Schapiro D:

Spatial omics of acute myocardial infarction reveals a novel mode of immune cell infiltration

bioRxiv preprint, May 21, 2024

<https://doi.org/10.1101/2024.05.20.594955>

Xiao M, Chi X, Zhu X, Xu Z, Zou Y, Peng Y, Luan S, Dong J, Dai Y, Yin L:

Proteomic analysis of laser captured tubular tissues reveals complement activation and mitochondrial dysfunction in autoimmune related kidney diseases

Sci Rep. 2024 Aug 20;14(1):19311. doi: 10.1038/s41598-024-70209-9.

<https://doi.org/10.1038/s41598-024-70209-9>

Xiong H, Zhou Y, Zhou Q, He D, Deng X, Sun Q, Zhang J:

Nanocapsule assemblies as effective enzyme delivery systems against hyperuricemia

Nanomedicine. 2016 Mar 21. pii: S1549-9634(16)30001-6. doi: 10.1016/j.nano.2016.02.010.

[http://linkinghub.elsevier.com/retrieve/pii/S1549-9634\(16\)30001-6](http://linkinghub.elsevier.com/retrieve/pii/S1549-9634(16)30001-6)

Xu C, Wang X, Han J, Gu Z, Guo Q:

LMD and LC-MS-based chemical constituents and pharmacological effects assessment for two different processing methods of the root of *Paeonia lactiflora* Pall

Journal of Pharmaceutical and Biomedical Analysis, 27 April 2024, 116184

<https://doi.org/10.1016/j.jpba.2024.116184>

Xuan Y, Bateman NW, Gallien S, Goetze S, Zhou Y, Navarro P, Hu M, Parikh N, Hood BL, Conrads KA, Loosse C, Kitata RB, Piersma SR, Chiasserini D, Zhu H, Hou G, Tahir M, Macklin A, Khoo A, Sun X, Crossett B, Sickmann A, Chen YJ, Jimenez CR, Zhou H, Liu S, Larsen MR, Kislinger T, Chen Z, Parker BL, Cordwell SJ, Wollscheid B, Conrads TP:

Standardization and harmonization of distributed multi-center proteotype analysis supporting precision medicine studies

Nat Commun. 2020 Oct 16;11(1):5248. doi: 10.1038/s41467-020-18904-9.

<https://www.nature.com/articles/s41467-020-18904-9>

Xue R, Gu H, Qiu Y, Guo Y, Korteweg C, Huang J, Gu J:

Expression of Cystic Fibrosis Transmembrane Conductance Regulator in Ganglia of Human Gastrointestinal Tract

Sci Rep. 2016 Aug 5;6:30926. doi: 10.1038/srep30926.

<http://dx.doi.org/10.1038/srep30926>

Yamada T, Hasegawa S, Iwata Y, Arima M, Kobayashi T, Numata S, Nakata S, Sugiura K, Akamatsu H:

UV irradiation-induced DNA hypomethylation around WNT1 gene: implications for solar lentigines

Exp Dermatol. 2019 Apr 25. doi: 10.1111/exd.13949.

<https://onlinelibrary.wiley.com/doi/pdf/10.1111/exd.13949>

Yamauchi M, Moriyama M, Hayashida JN, Maehara T, Ishiguro N, Kubota K, Furukawa S, Ohta M, Sakamoto M, Tanaka A, Nakamura S:

Myeloid dendritic cells stimulated by thymic stromal lymphopoietin promote Th2 immune responses and the pathogenesis of oral lichen planus

PLoS One. 2017 Mar 9;12(3):e0173017. doi: 10.1371/journal.pone.0173017.

<http://dx.plos.org/10.1371/journal.pone.0173017>

Yamaguchi H, Ishida Y, Hosomichi J, Suzuki JI, Hatano K, Usumi-Fujita R, Shimizu Y, Kaneko S, Ono T:
Ultrasound microbubble-mediated transfection of NF- κ B decoy oligodeoxynucleotide into gingival tissues inhibits periodontitis in rats in vivo

PLoS One. 2017 Nov 1;12(11):e0186264. doi: 10.1371/journal.pone.0186264. eCollection 2017.

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0186264>

Yamashiro T:

Anterior Cleft Palate due to Cbfb deficiency and its rescue by folic acid

bioRxiv, 2019, <https://doi.org/10.1101/515650>

<https://www.biorxiv.org/content/biorxiv/early/2019/01/09/515650.full.pdf>

Yan R, van Meurs M, Popa ER, Li R, Zwiers PJ, Zijlstra JG, Moser J, Molema G:

Early Heterogenic Response of Renal Microvasculature to Hemorrhagic Shock/Resuscitation and the Influence of NF- κ B Pathway Blockade

Shock. 2019 Feb;51(2):200-212. doi: 10.1097/SHK.0000000000001126.

<https://doi.org/10.1097/shk.0000000000001126>

Yanagisawa A, Ueda M, Sueyoshi T, Nakamura E, Tasaki M, Suenaga G, Motokawa H, Toyoshima R, Kinoshita Y, Misumi Y, Yamashita T, Sakaguchi M, Westermarck P, Mizuta H, Ando Y:

Knee osteoarthritis associated with different kinds of amyloid deposits and the impact of aging on type of amyloid

Amyloid. 2015 Dec 24:1-7.

<http://www.tandfonline.com/doi/full/10.3109/13506129.2015.1115758>

Yang H, Xu C, Tang Y, Wan C, Liu W, Wang L:

The significance of multiplex PCR/heteroduplex analysis-based TCR- γ gene rearrangement combined with laser-capture microdissection in the diagnosis of early mycosis fungoides

J Cutan Pathol. 2012 Mar;39(3):337-46. doi: 10.1111/j.1600-0560.2011.01842.x

<http://dx.doi.org/10.1111/j.1600-0560.2011.01842.x>

Yang X, Song Y, Liang T, Wang Q, Li R, Liu W:

Application of laser capture microdissection and PCR sequencing in the diagnosis of *Coccidioides* spp. infection: A case report and literature review in China

Emerg Microbes Infect. 2021 Feb 12:1-29. doi: 10.1080/22221751.2021.1889931.

<https://www.tandfonline.com/doi/pdf/10.1080/22221751.2021.1889931>

Yang Y, Zhang Y, Li Y, Zhou X, Honda K, Kang D, Wang M, Yang JH, Xia Z, Wei Y, Liu L, Hu R, Takaki T, Xing G:

Complement classical and alternative pathway activation contributes to diabetic kidney disease progression: a glomerular proteomics on kidney biopsies

Sci Rep. 2025 Jan 2;15(1):495. doi: 10.1038/s41598-024-84900-4.

<https://doi.org/10.1038/s41598-024-84900-4>

Yang Z, Chen L, Huang Y, Dong J, Yan Q, Li Y, Qiu J, Li H, Zhao D, Liu F, Tang D, Dai Y:

Proteomic Profiling of Laser Capture Microdissection Kidneys from Diabetic Nephropathy Patients

Journal of Chromatography B, 5 July 2024, 124231

<https://doi.org/10.1016/j.jchromb.2024.124231>

Yick CY, Zwinderman AH, Kunst PW, Grünberg K, Mauad T, Chowdhury S, Bel EH, Baas F, Lutter R, Sterk PJ:

Gene expression profiling of laser microdissected airway smooth muscle tissue in asthma and atopy
Allergy. 2014 May 30. doi: 10.1111/all.12452.
<http://dx.doi.org/10.1111/all.12452>

Yokota K, Kubota K, Kobayakawa K, Saito T, Hara M, Kijima K, Maeda T, Katoh H, Ohkawa Y, Nakashima Y, Okada S:

Pathological changes of distal motor neurons after complete spinal cord injury
Mol Brain. 2019 Jan 9;12(1):4. doi: 10.1186/s13041-018-0422-3.
<https://link.springer.com/article/10.1186/s13041-018-0422-3>

Yokoyama T, Yanagihara T, Suzuki K, Hamada N, Tsubouchi K, Ogata-Suetsugu S, Mikumo H, Ikeda-Harada C, Maeyama T, Kuwano K, Nakanishi Y:

Depletion of club cells attenuates bleomycin-induced lung injury and fibrosis in mice
J Inflamm (Lond). 2017 Sep 18;14:20. doi: 10.1186/s12950-017-0168-1. eCollection 2017.
<https://journal-inflammation.biomedcentral.com/articles/10.1186/s12950-017-0168-1>

Yoon N, Chu V, Gould M, Zhang M:

Spatial and temporal changes in myogenic protein expression by the microenvironment after freeze injury
J Anat. 2019 Mar;234(3):359-367. doi: 10.1111/joa.12925.
<https://doi.org/10.1111/joa.12925>

Yoshimura H, Takeda Y, Shirai Y, Yamamoto M, Nakatsubo D, Amiya S, Enomoto T, Hara R, Adachi Y, Edahiro R, Yaga M, Masuhiro K, Koba T, Itoh-Takahashi M, Nakayama M, Takata S, Hosono Y, Obata S, Nishide M, Hata A, Yanagawa M, Namba S, Iwata M, Hamano M, Hirata H, Koyama S, Iwahori K, Nagatomo I, Suga Y, Miyake K, Shiroyama T, Fukushima K, Futami S, Naito Y, Kawasaki T, Mizuguchi K, Kawashima Y, Yamanishi Y, Adachi J, Nogami-Itoh M, Ueki S, Kumanogoh A:

Galectin-10 in serum extracellular vesicles reflects asthma pathophysiology
J Allergy Clin Immunol. 2024 Mar 14:S0091-6749(24)00128-3. doi: 10.1016/j.jaci.2023.12.030.
<https://doi.org/10.1016/j.jaci.2023.12.030>

Yoshinaga T, Katoh N, Yazaki M, Sato M, Kametani F, Yasuda H, Watanabe K, Kawata K, Nakagawa M, Sekijima Y:

Giant Hepatomegaly with Spleno-testicular Enlargement in a Patient with Apolipoprotein A-I Amyloidosis: An Uncommon Type of Amyloidosis in Japan
Intern Med. 2020 Sep 30. doi: 10.2169/internalmedicine.5126-20.
https://www.jstage.jst.go.jp/article/internalmedicine/advpub/0/advpub_5126-20/_article

Yoshioka H, Komura S, Kuramitsu N, Goto A, Hasegawa T, Amizuka N, Ishimoto T, Ozasa R, Nakano T, Imai Y, Akiyama H:

Deletion of Tfam in Prx1-Cre expressing limb mesenchyme results in spontaneous bone fractures.
J Bone Miner Metab. 2022 Aug 10. doi: 10.1007/s00774-022-01354-2.
<https://doi.org/10.1007/s00774-022-01354-2>

Yovchev MI, Locker J, Oertel M:

Biliary fibrosis drives liver repopulation and phenotype transition of transplanted hepatocytes
J Hepatol. 2016 Feb 5. pii: S0168-8278(16)00079-9. doi: 10.1016/j.jhep.2016.01.036.
<http://www.sciencedirect.com/science/article/pii/S0168827816000799>

Yu H, Sant DW, Wang G, Guy J:

Mitochondrial Transfer of the Mutant Human ND6T14484C Gene Causes Visual Loss and Optic Neuropathy
Translational Vision Science & Technology October 2020, Vol.9, 1. doi:<https://doi.org/10.1167/tvst.9.11.1>

<https://tvst.arvojournals.org/article.aspx?articleid=2770854>

Yumisashi R, Saito R, Togami S, Kobayashi Y, Kitazono I, Tanimoto A, Kobayashi H:
Molecular biological analysis revealed a case of synchronous endometrial and ovarian cancer with different histological grade as metastatic ovarian cancer from endometrial cancer: Case report and review of literature

J Obstet Gynaecol Res. 2023 Aug 21. doi: 10.1111/jog.15773.

<https://doi.org/10.1111/jog.15773>

Zaccaria A, Antinori P, Licker V, Kovari E, Lobrinus JA, Burkhard PR:
Multimic Analyses of Dopaminergic Neurons Isolated from Human Substantia Nigra in Parkinson's Disease: A Descriptive and Exploratory Study

Cell Mol Neurobiol. 2021 Sep 15. doi: 10.1007/s10571-021-01146-8.

<https://link.springer.com/article/10.1007/s10571-021-01146-8>

Zahedi F:

Role of Dicer in smooth muscle cells during neointima formation

Thesis, 2016

https://edoc.ub.uni-muenchen.de/20767/7/Zahedi_Farima.pdf

Zangari M, Berno T, Zhan F, Tricot G and Fink L:

Cardiovascular Complications in Patients with AL Amyloidosis

Amyloidosis - An Insight to Disease of Systems and Novel Therapies, ISBN: 978-953-307-795-6, DOI: 10.5772/19461

[http://cdn.intechopen.com/pdfs/23847/InTech-](http://cdn.intechopen.com/pdfs/23847/InTech-Cardiovascular_complications_in_patients_with_al_amyloidosis.pdf)

[Cardiovascular complications in patients with al amyloidosis.pdf](http://cdn.intechopen.com/pdfs/23847/InTech-Cardiovascular_complications_in_patients_with_al_amyloidosis.pdf)

Zearfoss R:

Tumor biology gets smart

Cell, Volume 185, Issue 15, 21 July 2022, Pages 2611-2612

<https://doi.org/10.1016/j.cell.2022.06.021>

Zelissen R, Ahmadian S, Montilla-Rojo J, Timmer E, Ummelen M, Hopman A, Smeets H and van Tienen F:

Fusion of Wild-Type Mesoangioblasts with Myotubes of mtDNA Mutation Carriers Leads to a Proportional Reduction in mtDNA Mutation Load

Int. J. Mol. Sci. 2023, 24, 2679.

<https://doi.org/10.3390/ijms24032679>

Zen Y, Britton D, Mitra V, Brand A, Jung S, Loessner C, Ward M, Pike I, Heaton N, Quaglia A:

Protein expression profiles of chemo-resistant mixed phenotype liver tumors using laser microdissection and LC-MS/MS proteomics

EuPA Open Proteomics, Available online 16 November 2013, ISSN 2212-9685

<http://dx.doi.org/10.1016/j.euprot.2013.10.001>

Zeng GQ, Yi H, Zhang PF, Li XH, Hu R, Li MY, Li C, Qu JQ, Deng X, and Xiao ZQ:

The Function and Significance of SELENBP1 Downregulation in Human Bronchial Epithelial Carcinogenic Process

PLoS ONE 8(8): e71865. doi:10.1371/journal.pone.0071865

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0071865>

Zhang C, Arentz G, Winderbaum L, Lokman NA, Klingler-Hoffmann M, Mittal P, Carter C, Oehler MK, Hoffmann P:

MALDI Mass Spectrometry Imaging Reveals Decreased CK5 Levels in Vulvar Squamous Cell Carcinomas Compared to the Precursor Lesion Differentiated Vulvar Intraepithelial Neoplasia

Int J Mol Sci. 2016 Jul 8;17(7). pii: E1088. doi: 10.3390/ijms17071088.
<http://www.mdpi.com/resolver?pii=ijms17071088>

Zhang C, Liang S, Cheng S, Li W, Wang X, Zheng C, Zeng C, Shi S, Xie L, Zen K, Liu Z:
Urinary miR-196a predicts disease progression in patients with chronic kidney disease
J Transl Med. 2018 Apr 10;16(1):91. doi: 10.1186/s12967-018-1470-2.
<https://translational-medicine.biomedcentral.com/track/pdf/10.1186/s12967-018-1470-2>

Zhang D, Kinloch AJ, Srinath A, Shenkar R, Girard R, Lightle R, Moore T, Koskimäki J, Mohsin A, Carrión-Penagos J, Romanos S, Shen L, Clark MR, Shi C, Awad IA:
Antibodies in cerebral cavernous malformations react with cytoskeleton autoantigens in the lesional milieu
J Autoimmun. 2020 Apr 30:102469. doi: 10.1016/j.jaut.2020.102469.
<https://www.sciencedirect.com/science/article/pii/S0896841120300858>

Zhang F, Zhang B, Wang Y, Jiang R, Liu J, Wei Y, Gao X, Zhu Y, Wang X, Sun M, Kang J, Liu Y, You G, Wei D, Xin J, Bao J, Wang M, Gu Y, Wang Z, Ye J, Guo S, Huang H, Sun Q:
An extra-erythrocyte role of haemoglobin body in chondrocyte hypoxia adaption
Nature. 2023 Oct 4. doi: 10.1038/s41586-023-06611-6.
<https://doi.org/10.1038/s41586-023-06611-6>

Zhang H, Chen X, Liu L, Zheng H, Yang X, Yin K, Yao Q, Li L & Yang P:
Oncostatin M Drives Th2 Polarized Allergic Airway Inflammation Through Fibroblast Reprogramming and Endoplasmic Reticulum Stress
International Journal of Nanomedicine, 14 Jul 2025, 9019-9030, DOI: 10.2147/IJN.S535265
<https://doi.org/10.2147/IJN.S535265>

Zhang L:
Understanding the role of regulatory RNAs in human skin wound healing
Thesis, Stockholm 2023
<https://openarchive.ki.se/xmlui/handle/10616/48457>

Zhang W, Fan S, Zou G, Shi L, Zeng Z, Ma J, Zhou Y, Li X, Zhang X, Li X, Tan M, Xiong W, Li G:
Lactotransferrin could be a novel independent molecular prognosticator of nasopharyngeal carcinoma
Tumour Biol. 2014 Oct 7.
<http://link.springer.com/article/10.1007/s13277-014-2650-1>

Zhang XR, Ma T, Wang YC, Hu S, Yang Y:
Development of a Novel Method for the Clinical Visualization and Rapid Identification of Multidrug-Resistant Candida auris
Microbiol Spectr. 2023 Apr 26:e0491222. doi: 10.1128/spectrum.04912-22.
<https://doi.org/10.1128/spectrum.04912-22>

Zhang YI, Shan P, Srivastava A, Jiang G, Zhang X, Lee PJ:
An endothelial Hsp70-TLR4 axis limits Nox3 expression and protects against oxidant injury in lungs
Antioxid Redox Signal. 2016 Feb 23.
<http://dx.doi.org/10.1089/ars.2015.6505>

Zhao L, Yang H, Xuan Y, Zhao J, Ren N, Zhou S, Zhao x:
Increased expression of fibroblast growth factor receptor 1 in endometriosis and its correlation with endometriosis-related dysmenorrhea and recurrence
European Journal of Obstetrics and Gynecology and Reproductive Biology
[http://www.ejog.org/article/S0301-2115\(14\)00596-X/abstract](http://www.ejog.org/article/S0301-2115(14)00596-X/abstract)

Zheng F, Tang D, Li S, Luo Z, Song Y, Huang Y, Gan Q, Liu H, Zhang X, Liu D, Wang Q, Xiong Z, Dai Y:
Spatial proteomics landscape and immune signature analysis of renal sample of lupus nephritis based on laser-captured microsection
Inflamm Res. 2023 Jul 20. doi: 10.1007/s00011-023-01767-3.
<https://doi.org/10.1007/s00011-023-01767-3>

Zhou LT, Liu D, Kang HC, Lu L, Huang HZ, Ai WQ, Zhou Y, Deng MF, Li H, Liu ZQ, Zhang WF, Hu YZ, Han ZT, Zhang HH, Jia JJ, Sarkar AK, Sharaydeh S, Wang J, Man HY, Schilling M, Bertram L, Lu Y, Guo Z, Zhu LQ:
Tau pathology epigenetically remodels the neuron-glia cross-talk in Alzheimer's disease
Sci Adv. 2023 Apr 21;9(16):eabq7105. doi: 10.1126/sciadv.abq7105.
<https://www.science.org/doi/full/10.1126/sciadv.abq7105>

Zhou Q, Yang L, Verne ZT, Zhang BB, Fields JZ, Thacker AT, Verne GN:
Human colonic EVs induce murine enteric neuroplasticity via the lncRNA GAS5/miR-23/NMDA NR2B axis
JCI Insight. 2025 Mar 10;10(5):e178631. doi: 10.1172/jci.insight.178631.
<https://doi.org/10.1172/jci.insight.178631>

Zhou T, Wu N, Meng F, Venter J, Giang TK, Francis H, Kyritsi K, Wu C, Franchitto A, Alvaro D, Marziani M, Onori P, Mancinelli R, Gaudio E, Glaser S, Alpini G:
Knockout of secretin receptor reduces biliary damage and liver fibrosis in Mdr2^{-/-} mice by diminishing senescence of cholangiocytes
Lab Invest. 2018 Jul 5. doi: 10.1038/s41374-018-0093-9.
<https://www.nature.com/articles/s41374-018-0093-9>

Zhou Y, Zhao L, Marks JD:
Selection and characterization of cell binding and internalizing phage antibodies
Arch Biochem Biophys. 2012 May 22.
<http://www.sciencedirect.com/science/article/pii/S0003986112001981>

Zhu J, Wang Y, Gong L, Huang G
Diagnosis of primary pulmonary T- cell/histiocyte-rich large B cell lymphoma with tissue eosinophilia via clinicopathological observation and molecular assay
Diagn Pathol. 2014 Oct 2;9(1):188.
<http://www.diagnosticpathology.org/content/pdf/s13000-014-0188-6.pdf>

Zhu L, Du L, Wu J, Ding D, Wang J, Wang R, Liu Z, Kuzmina N, Wang H, Yang Y, Stähle M, Landén NX, Li S, Li D:
Adipose tissue macrophage-derived PPBP exacerbates psoriasis-associated atherosclerosis by inducing mitochondrial dysfunction in aortic endothelial cells
J Invest Dermatol. 2025 Aug 29:S0022-202X(25)02396-6. doi: 10.1016/j.jid.2025.05.041.
<https://doi.org/10.1016/j.jid.2025.05.041>

Zhu M:
Hyperlipidemia-induced MicroRNA155-5p improves β -cell Function by targeting Mafk
PhD thesis
https://edoc.ub.uni-muenchen.de/21083/1/Zhu_Mengyu.pdf

Zhu Y, Piehowski PD, Zhao R, Chen J, Shen Y, Moore RJ, Shukla AK, Petyuk VA, Campbell-Thompson M, Mathews CE, Smith RD, Qian WJ, Kelly RT
Nanodroplet processing platform for deep and quantitative proteome profiling of 10-100 mammalian cells
Nat Commun. 2018 Feb 28;9(1):882. doi: 10.1038/s41467-018-03367-w.
<https://www.nature.com/articles/s41467-018-03367-w.pdf>

Zimmerman M, Blanc L, Chen PY, Dartois V, Prideaux B:

Spatial Quantification of Drugs in Pulmonary Tuberculosis Lesions by Laser Capture Microdissection Liquid Chromatography Mass Spectrometry (LCM-LC/MS)

J Vis Exp. 2018 Apr 18;(134). doi: 10.3791/57402.

<https://www.jove.com/video/57402/spatial-quantification-drugs-pulmonary-tuberculosis-lesions-laser>

Zimmerman M, Lestner J, Prideaux B, O'Brien P, Freedman I, Chen C, Dietzold J, Daudelin I, Kaya F, Blanc L, Chen PY, Park S, Salgame P, Sarathy J, Dartois V:

Ethambutol partitioning in tuberculous pulmonary lesions explains its clinical efficacy

Antimicrob Agents Chemother. 2017 Jul 10. pii: AAC.00924-17. doi: 10.1128/AAC.00924-17.

<http://aac.asm.org/content/early/2017/07/04/AAC.00924-17.full.pdf>

Zindl CL, Witte SJ, Laufer VA, Gao M, Yue Z, Janowski KM, Cai B, Frey BF, Silberger DJ, Harbour SN, Singer JR, Turner H, Lund FE, Vallance BA, Rosenberg AF, Schoeb TR, Chen JY, Hatton RD, Weaver CT:

A nonredundant role for T cell-derived interleukin 22 in antibacterial defense of colonic crypts

Immunity. 2022 Mar 8;55(3):494-511.e11. doi: 10.1016/j.immuni.2022.02.003.

<https://www.sciencedirect.com/science/article/pii/S1074761322000838>

Zong L1, Hattori N, Yoda Y, Yamashita S, Takeshima H, Takahashi T, Maeda M, Katai H, Nanjo S, Ando T, Seto Y, Ushijima T:

Establishment of a DNA methylation marker to evaluate cancer cell fraction in gastric cancer

Gastric Cancer. 2015 Feb 13.

<http://dx.doi.org/10.1007/s10120-015-0475-2>

Zou X, Yoshida M, Nagai-Okatani C, Iwaki J, Matsuda A, Tan B, Hagiwara K, Sato T, Itakura Y, Noro E, Kaji H, Toyoda M, Zhang Y, Narimatsu H, Kuno A:

A standardized method for lectin microarray-based tissue glycome mapping

Sci Rep. 2017 Mar 6;7:43560. doi: 10.1038/srep43560

<http://dx.doi.org/10.1038/srep43560>

Zuo J, Wen M, Lei M, Peng X, Yang X, Liu Z:

MiR-210 Links Hypoxia with Cell Proliferation Regulation in Human Laryngocarcinoma Cancer

Journal of Cellular Biochemistry, 2014 Dec 18, DOI 10.1002/jcb.25059

<http://onlinelibrary.wiley.com/doi/10.1002/jcb.25059/abstract>

Zwiers PJ, Jongman RM, Kuiper T, Moser J, Stan RV, Göthert JR, van Meurs M, Popa ER, Molema G:

Pattern of tamoxifen-induced Tie2 deletion in endothelial cells in mature blood vessels using endo SCL-Cre-ERT transgenic mice

PLoS One. 2022 Jun 8;17(6):e0268986. doi: 10.1371/journal.pone.0268986. eCollection 2022.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0268986>

10. Developmental Research, Epigenetics & Aging

Afshar, K., Willard, F.S., Colombo, K., Johnston, C.A., McCudden, C.R., Siderovski, D.P., and Gonczy, P.:
RIC-8 is required for GPR-1/2-dependent Galpha function during asymmetric division of *C. elegans* embryos

Cell 119(2): 219-230 (2004)

<http://www.cell.com/retrieve/pii/S0092867404008992>

Afshar, K., Willard, F.S., Colombo, K., Siderovski, D.P., and Gonczy, P.:

Cortical localization of the Galpha protein GPA-16 requires RIC-8 function during *C. elegans* asymmetric cell division

Development 132(20): 4449-4459 (2005)

<http://dev.biologists.org/content/132/20/4449.long>

Aguilar-Mahecha, A., Hales, B.F., and Robaire, B.:

Effects of acute and chronic cyclophosphamide treatment on meiotic progression and the induction of DNA double-strand breaks in rat spermatocytes

Biol Reprod 72(6): 1297-1304 (2005)

<http://www.biolreprod.org/content/72/6/1297.long>

Agusti J, Lichtenberger R, Schwarz M, Nehlin L, Greb T:

Characterization of transcriptome remodeling during cambium formation identifies MOL1 and RUL1 as opposing regulators of secondary growth

PLoS Genet. 2011 Feb;7(2):e1001312. doi: 10.1371/journal.pgen.1001312. Epub 2011 Feb 17.

<https://journals.plos.org/plosgenetics/article/file?id=10.1371/journal.pgen.1001312&type=printable>

Aikawa S, Hiraoka T, Matsuo M, Fukui Y, Fujita H, Saito-Fujita T, Shimizu-Hirota R, Takeda N, Hiratsuka D, He X, Ishizawa C, Iida R, Akaeda S, Harada M, Wada-Hiraike O, Ikawa M, Osuga Y, Hirota Y:

Spatiotemporal functions of leukemia inhibitory factor in embryo attachment and implantation chamber formation

Cell Death Discov. 2024 Nov 25;10(1):481. doi: 10.1038/s41420-024-02228-4.

<https://doi.org/10.1038/s41420-024-02228-4>

Aikawa S, Hirota Y, Fukui Y, Ishizawa C, Iida R, Kaku T, Hirata T, Akaeda S, Hiraoka T, Matsuo M, Osuga Y:

A gene network of uterine luminal epithelium organizes mouse blastocyst implantation

Reproductive Medicine and Biology, 2022 Jan 05; Volume21, Issue1; e12435

<https://doi.org/10.1002/rmb2.12435>

Aizawa S, Higaki Y, Dudaui A, Nagasaka M, Takahashi S, Sakata I, Sakai T:

Identification of marker genes for pars tuberalis morphogenesis in chick embryo: expression of Cytokine-like 1 and Gap junction protein alpha 5 in pars tuberalis

Cell Tissue Res. 2016 Sep 3.

<http://dx.doi.org/10.1007/s00441-016-2484-9>

Albino D, Brizzolara A, Moretti S, Falugi C, Mirisola V, Scaruffi P, Di Candia M, Truini M, Coco S, Bonassi S, Tonini GP:

Gene expression profiling identifies eleven DNA repair genes down-regulated during mouse neural crest cell migration

Int J Dev Biol. 2011;55(1):65-72.

<http://www.ijdb.ehu.es/web/paper.php?doi=10.1387/ijdb.092970da>

Amano K, Kitaoka Y, Kato S, Fujiwara M, Okuzaki D, Aikawa T, Kogo M, Iida S:
Pth1r Signal in Gli1+ Cells Maintains Postnatal Cranial Base Synchronosis
J Dent Res. 2023 Aug 14;220345231184405. doi: 10.1177/00220345231184405.
<https://doi.org/10.1177/00220345231184405>

Amatori S, Ballarini M, Favarsani A, Belloni E, Fusar F, Bosari S, Pelicci PG, Minucci S, Fanelli M:
PAT-ChIP coupled with laser microdissection allows the study of chromatin in selected cell populations from paraffin-embedded patient samples
Epigenetics Chromatin. 2014 Aug 5;7:18. doi: 10.1186/1756-8935-7-18. eCollection 2014.
<http://www.epigeneticsandchromatin.com/content/7/18>

Ame, J.C., Spenlehauer, C., and de Murcia, G.:
The PARP superfamily
Bioessays 26(8): 882-893 (2004)
<http://onlinelibrary.wiley.com/doi/10.1002/bies.20085/abstract>

Argyropoulos AJ, Robichaud P, Balimunkwe RM, Fisher GJ, Hammerberg C, Yan Y, Quan T :
Alterations of Dermal Connective Tissue Collagen in Diabetes: Molecular Basis of Aged-Appearing Skin
PLoS One. 2016 Apr 22;11(4):e0153806. doi: 10.1371/journal.pone.0153806. eCollection 2016.
<http://dx.plos.org/10.1371/journal.pone.0153806>

Aryal YP, Neupane S, Kwak HJ, An CH, Sohn WJ, Yamamoto H, ... Cho SJ:
Unraveling the structure, chemical composition, and conserved signaling in leech teeth
Animal Cells and Systems, 28(1), 272–282. (2024)
<https://doi.org/10.1080/19768354.2024.2350736>

Asai N, Ohkawara B, Ito M, Masuda A, Ishiguro N, Ohno K:
LRP4 induces extracellular matrix productions and facilitates chondrocyte differentiation
Biochem Biophys Res Commun. 2014 Aug 1. pii: S0006-291X(14)01375-8. doi: 10.1016/j.bbrc.2014.07.125.
<http://www.sciencedirect.com/science/article/pii/S0006291X14013758>

Ayoub AE, Dominguez MH, Benoit J, Ortega JA, Radonjic N, Zecevic N, Rakic P:
Coordination of Neuron Production in Mouse and Human Cerebral Cortex by the Homolog of Drosophila Mastermind Protein
Brain Behav Evol. 2019 Aug 15;93(2-3):152-165. doi: 10.1159/000500494.
<https://www.karger.com/Article/PDF/500494>

Baba T, McLeod DS, Edwards MM, Merges C, Sen T, Sinha D, Luttly GA:
VEGF 165 b in the developing vasculatures of the fetal human eye
Dev Dyn. 2012 Mar;241(3):595-607. doi: 10.1002/dvdy.23743.
<http://onlinelibrary.wiley.com/doi/10.1002/dvdy.23743/abstract>

Baldwin J:
Unravelling the mechanisms behind periosteal regeneration and its application in bone tissue engineering
Thesis, 2017
https://eprints.qut.edu.au/110638/1/Jeremy_Baldwin_Thesis.pdf

Barault L, Ellsworth RE, Harris HR, Valente AL, Shriver CD, and Michels KB:
Leukocyte DNA as Surrogate for the Evaluation of Imprinted Loci Methylation in Mammary Tissue DNA
PLoS ONE 8(2): e55896. doi:10.1371/journal.pone.0055896
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0055896>

Barrow TM, Barault L, Ellsworth RE, Harris HR, Binder AM, Valente AL, Shriver CD, Michels KB:
Aberrant methylation of imprinted genes is associated with negative hormone receptor status in invasive breast cancer

Int J Cancer. 2015 Jan 5. doi: 10.1002/ijc.29419.

<http://dx.doi.org/10.1002/ijc.29419>

Bieber, A.M., Marcon, L., Hales, B.F., and Robaire, B.:

Effects of chemotherapeutic agents for testicular cancer on the male rat reproductive system, spermatozoa, and fertility

J Androl 27(2): 189-200 (2006)

<http://www.andrologyjournal.org/cgi/content/full/27/2/189>

Blaudin de Thé FX:

Engrailed, an anti-ageing homeoprotein

thesis, 2015

<http://www.theses.fr/2015PA066204>

Bonduelle T, Hartlieb T, Baldassari S, Sim NS, Kim SH, Kang HC, Kobow K, Coras R, Chipaux M, Dorfmueller G, Adle-Biassette H, Aronica E, Lee JH, Blumcke I, Baulac S:

Frequent SLC35A2 brain mosaicism in mild malformation of cortical development with oligodendroglial hyperplasia in epilepsy (MOGHE)

Acta Neuropathol Commun. 2021 Jan 6;9(1):3. doi: 10.1186/s40478-020-01085-3.

<https://actaneurocomms.biomedcentral.com/articles/10.1186/s40478-020-01085-3>

Brady K, Krasnec K, Long JA:

Transcriptome analysis of inseminated sperm storage tubules throughout the duration of fertility in the domestic turkey, *Meleagris gallopavo*

Poultry Science, 2022, 101704, ISSN 0032-5791,

<https://doi.org/10.1016/j.psj.2022.101704>

Brilli E, Reitano E, Conti L, Conforti P, Gulino R, Consalez GG, Cesana E, Smith A, Rossi F, Cattaneo E:

Neural stem cells engrafted in the adult brain fuse with endogenous neurons

Stem Cells Dev. 2013 Feb 15;22(4):538-47. doi: 10.1089/scd.2012.0530.

<http://dx.doi.org/10.1089/scd.2012.0530>

Brooks K, Burns GW, Moraes JG, Spencer TE:

Analysis of the Uterine Epithelial and Conceptus Transcriptome and Luminal Fluid Proteome During the Peri-Implantation Period of Pregnancy in Sheep

Biol Reprod. 2016 Aug 17. pii: biolreprod.116.141945.

<http://www.biolreprod.org/cgi/pmidlookup?view=long&pmid=27535962>

Buttó LF, Pelletier A, More SK, Zhao N, Osme A, Hager CL, Ghannoum MA, Sekaly RP, Cominelli F, Dave M:

Intestinal Stem Cell Niche Defects Result in Impaired 3D Organoid Formation in Mouse Models of Crohn's Disease-like Ileitis

Stem Cell Reports. 2020 Jul 6:S2213-6711(20)30238-1. doi: 10.1016/j.stemcr.2020.06.017.

[https://linkinghub.elsevier.com/retrieve/pii/S2213-6711\(20\)30238-1](https://linkinghub.elsevier.com/retrieve/pii/S2213-6711(20)30238-1)

Calo G, Hauk V, Vota D, Van C, Condro M, Gallino L, Ramhorst R, Waschek J, Leirós CP:

VPAC1 and VPAC2 receptor deficiencies negatively influence pregnancy outcome through distinct and overlapping modulations of immune, trophoblast and vascular functions

Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease, 2022, 166593, ISSN 0925-4439,

<https://doi.org/10.1016/j.bbadis.2022.166593>

Capuco AV, Choudhary RK, Daniels KM, Li RW and Evock-Clover CM:

Bovine mammary stem cells: cell biology meets production agriculture

Animal 2011, page 1 of 12, doi:10.1017/S1751731111002369

<http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=8467697>

Cardoso Dos Santos LM, Avila Y, Schwartz D, Rougemont AL, Bochaton-Piallat ML, Ruchonnet-Metrailler I:

Laser microdissection, proteomics, and multiplex immunohistochemistry: a bumpy ride into the study of paraffin-embedded fetal and pediatric lung tissues

Front Med (Lausanne). 2023 Aug 29;10:1191205. doi: 10.3389/fmed.2023.1191205.

<https://doi.org/10.3389/fmed.2023.1191205>

Caruso M, Distefano G, La Malfa S, Gentile A, Merelo P, Tadeo FR, Talon M

Identification of candidate genes involved in the self incompatibility response in clementine

Acta Hort, 2012

http://www.actahort.org/members/showpdf?booknrarnr=967_14

Chan LJG; Olsson N; Preciado López M; Hake K; Tomono H; Veras MA; McAllister FE

Plasma and Kidney Proteome Profiling Combined with Laser Capture Microdissection Reveal Large Increases in Immunoglobulins with Age

Proteomes 2024; 12, 16. 3. June 2024.

<https://doi.org/10.3390/proteomes12020016>

Chang G, Mouillet JF, Mishima T, Chu T, Sadovsky E, Coyne CB, Parks WT, Surti U, Sadovsky Y:

Expression and trafficking of placental microRNAs at the feto-maternal interface

FASEB J. 2017 Mar 13. pii: fj.201601146R. doi: 10.1096/fj.201601146R.

<http://www.fasebj.org/cgi/pmidlookup?view=long&pmid=28289056>

Chapman EM, Lant B, Ohashi Y, Yu B, Schertzberg M, Go C, Dogra D, Koskimäki J, Girard R, Li Y, Fraser AG, Awad IA, Abdelilah-Seyfried S, Gingras AC, Derry WB

A conserved CCM complex promotes apoptosis non-autonomously by regulating zinc homeostasis

Nat Commun. 2019 Apr 17;10(1):1791. doi: 10.1038/s41467-019-09829-z.

<https://www.nature.com/articles/s41467-019-09829-z.pdf>

Chapman MS, Ranzoni AM, Myers B, Williams N, Coorens THH, Mitchell E, Butler T, Dawson KJ, Hooks Y, Moore L, Nangalia J, Robinson PS, Yoshida K, Hook E, Campbell PJ, Cvejic A:

Lineage tracing of human development through somatic mutations

Nature. 2021 May 12. doi: 10.1038/s41586-021-03548-6.

<https://www.nature.com/articles/s41586-021-03548-6>

Chen L, Martino V, Dombkowski A, Williams T, West-Mays J, Gage PJ:

AP-2 β Is a Downstream Effector of PITX2 Required to Specify Endothelium and Establish Angiogenic Privilege During Corneal Development

Invest Ophthalmol Vis Sci. 2016 Mar 1;57(3):1072-81. doi: 10.1167/iovs.15-18103.

<http://iovs.arvojournals.org/article.aspx?doi=10.1167/iovs.15-18103>

Chen M, Bui AQ, Goldberg RB:

Using Giant Scarlet Runner Bean (*Phaseolus coccineus*) Embryos to Dissect the Early Events in Plant Embryogenesis

Methods Mol Biol. 2020;2122:205-222. doi: 10.1007/978-1-0716-0342-0_15.

https://link.springer.com/protocol/10.1007/978-1-0716-0342-0_15

Chen Y, Ikeda K, Yoneshiro T, Scaramozza A, Tajima K, Wang Q, Kim K, Shinoda K, Sponton CH, Brown Z, Brack A, Kajimura S :

Thermal stress induces glycolytic beige fat formation via a myogenic state

Nature. 2019 Jan;565(7738):180-185. doi: 10.1038/s41586-018-0801-z.
<https://doi.org/10.1038/s41586-018-0801-z>

Chen Z, Zhao W, Ge D, Han Y, Ning K, Luo C, Wang S, Liu R, Zhang X, Wang Q:
LCM-seq reveals the crucial role of LsSOC1 in heat-promoted bolting of lettuce (*Lactuca sativa* L.)
Plant J. 2018 May 17. doi: 10.1111/tpj.13968.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/tpj.13968>

Cheng L, Mann SA, Lopez-Beltran A, Chovanec M, Santoni M, Wang M, Albany C, Adra N, Davidson DD, Cimadamore A, Montironi R, and Zhang S :
Molecular Characterization of Testicular Germ Cell Tumors Using Tissue Microdissection
Methods Mol Biol. 2021;2195:31-47. doi: 10.1007/978-1-0716-0860-9_3.
https://dx.doi.org/10.1007/978-1-0716-0860-9_3

Chu Y, Lan RS, Huang R, Feng H, Kumar R, Dayal S, Chan K-S, Dai D-F:
Glutathione peroxidase-1 overexpression reduces oxidative stress, and improves pathology and proteome remodeling in the kidneys of old mice
Aging Cell. 2020 May 13. doi: 10.1111/accel.13154.
<https://onlinelibrary.wiley.com/doi/pdf/10.1111/accel.13154>

Cifuentes M, Baeza V, Arrabal PM, Visser R, Grondona JM, Saldivia N, Martínez F, Nualart F, Salazar K:
Expression of a Novel Ciliary Protein, ILG9, During the Differentiation and Maturation of Ependymal Cells
Mol Neurobiol. 2017 Feb 13. doi: 10.1007/s12035-017-0434-5.
<https://dx.doi.org/10.1007/s12035-017-0434-5>

Cook DP, Adam RJ, Zarei K, Deonovic B, Stroik MR, Gansemer ND, Meyerholz DK, Au KF, Stoltz DA:
CF airway smooth muscle transcriptome reveals a role for PYK2
JCI Insight. 2017 Sep 7;2(17). pii: 95332. doi: 10.1172/jci.insight.95332.
<https://www.ncbi.nlm.nih.gov/pubmed/28878137>

Coorens T:
Lineage tracing of normal human development and childhood cancers
Thesis, 2020
https://aspace.repository.cam.ac.uk/bitstream/handle/1810/325354/PhD_Thesis_Final_submission.pdf

Coorens THH, Oliver TRW, Sanghvi R, Sovio U, Cook E, Vento-Torno R, Haniffa M, Young MD, Rahbari R, Sebire N, Campbell PJ, Charnock-Jones DS, Smith GCS, Behjati S:
Somatic mutations reveal widespread mosaicism and mutagenesis in human placentas
bioRxiv, 27 Jan 2021, doi: <https://doi.org/10.1101/2021.01.26.428217>
<https://www.biorxiv.org/content/biorxiv/early/2021/01/27/2021.01.26.428217.full.pdf>

Costes C, Le Bot L, Alvarado C, Daniel S, Sanz SN, Calatayud C, Soriano A, Guillon F, Mameri H, Terrier N, Saulnier L, Francin-Allami M:
Polysaccharide distribution and cell wall deposition in the endosperm and outer layers of developing sorghum grains
Journal of Cereal Science, <https://doi.org/10.1016/j.jcs.2025.104239>
<https://doi.org/10.1016/j.jcs.2025.104239>

Costes C, Navarro Sanz S, Calatayud C, Soriano A, Mameri H, Terrier N, Francin-Allami M:
Transcriptomic analysis of developing sorghum grains to detect genes related to cell wall biosynthesis and remodelling
BMC Genom Data. 2024 Feb 7;25(1):14. doi: 10.1186/s12863-024-01198-x.
<https://doi.org/10.1186/s12863-024-01198-x>

Cruz-Guilloty F, Saeed AM, Echegaray JJ, Duffort S, Ballmick A, Tan Y, Betancourt M, Viteri E, Ramkellawan GC, Ewald E, Feuer W, Huang DQ, Wen R, Hong L, Wang H, Laird JM, Sene A, Apte RS, Salomon RG, Hollyfield JG, and Perez VL:

Infiltration of Proinflammatory M1 Macrophages into the Outer Retina Precedes Damage in a Mouse Model of Age-Related Macular Degeneration

Int J of Inflammation, vol. 2013, Article ID 503725, 12 pages, 2013. doi:10.1155/2013/503725
<http://www.hindawi.com/journals/iji/2013/503725/cta/>

Dai X, Zhai R, Lin J, Wang Z, Meng D, Li M, Mao Y, Gao B, Ma H, Zhang B, Sun Y, Li S, Zhou C, Lin YJ, Wang JP, Chiang VL, Li W:

Cell-type-specific PtrWOX4a and PtrVCS2 form a regulatory nexus with a histone modification system for stem cambium development in *Populus trichocarpa*

Nat Plants. 2023 Jan 9. doi: 10.1038/s41477-022-01315-7.
<https://www.nature.com/articles/s41477-022-01315-7>

Dang P, Tang Q, Nie M-Y, An Y, Dong R, Hua X-D, Jung H-S, Shi S-G:

Comparative gene expression profiles of dental follicle at different stages of periodontal development: Combined use of laser capture microdissection and microarray

Journal of Oral Biosciences, <https://doi.org/10.1016/j.job.2018.02.003>
<https://www.sciencedirect.com/science/article/pii/S1349007918300380#!>

de Campo DM, Cameron JL, Miano JM, Lewis DA, Mirnics K, Fudge JL:

Maternal deprivation alters expression of neural maturation gene *tbr1* in the amygdala paralaminar nucleus in infant female macaques

Dev Psychobiol. 2016 Dec 4. doi: 10.1002/dev.21493.
<http://dx.doi.org/10.1002/dev.21493>

Deeb KK, Luo W, Karpf AR, Omilian AR, Bshara W, Tian L, Tangrea MA, Morrison CD, Johnson CS, Trump DL:

Differential vitamin D 24-hydroxylase/CYP24A1 gene promoter methylation in endothelium from benign and malignant human prostate

Epigenetics. 2011 Aug;6(8):994-1000. doi: 10.4161/epi.6.8.16536.
<http://www.ncbi.nlm.nih.gov/pmc/articles/pmid/21725204/>

Delvaux E, Mastroeni D, Nolz J, Coleman PD:

Novel method to ascertain chromatin accessibility at specific genomic loci from frozen brain homogenates and laser capture microdissected defined cells

Neuroepigenetics, 17 Mar 2016, doi:10.1016/j.nepig.2016.03.001
<http://www.sciencedirect.com/science/article/pii/S2214784515300128>

Demonbreun AR, Lapidos KA, Heretis K, Levin S, Dale R, Pytel P, Svensson EC, McNally EM:

Myoferlin regulation by NFAT in muscle injury, regeneration and repair

J Cell Sci. 2010 Jul 15;123(Pt 14):2413-22
<http://jcs.biologists.org/content/123/14/2413.short>

Dogra D, Ahuja S, Kim HT, Rasouli SJ, Stainier DYR, Reischauer S :

Opposite effects of Activin type 2 receptor ligands on cardiomyocyte proliferation during development and repair

Nat Commun. 2017 Dec 1;8(1):1902. doi: 10.1038/s41467-017-01950-1
<http://dx.doi.org/10.1038/s41467-017-01950-1>

Dörner J, Martinez Rodriguez V, Ziegler R, Röhrig T, Cochran RS, Götz RM, Levin MD, Pihlajoki M, Heikinheimo M, Wilson DB:

GLI1+ progenitor cells in the adrenal capsule of the adult mouse give rise to heterotopic gonadal-like tissue

Mol Cell Endocrinol. 2016 Aug 29. pii: S0303-7207(16)30350-1. doi: 10.1016/j.mce.2016.08.043.
<http://www.sciencedirect.com/science/article/pii/S0303720716303501>

Dong J, Wang Y, Xu L, Li B, Wang K, Ying J, He Q, Liu L :
RsCLE22a Regulates the Taproot Growth through Auxin Signaling-related Pathway in Radish (*Raphanus sativus* L.)
J Exp Bot. 2022 Oct 14;erac406. doi: 10.1093/jxb/erac406.
<https://doi.org/10.1093/jxb/erac406>

Donzel M, Gailliot-Durand L, Joubert M, Aziza J, Beneteau C, Mauduit C, Ploteau S, Hajri T, Bolze PA, Massardier J, Devouassoux-Shisheboran M, Sunde L, Allias F:
Androgenetic/biparental mosaicism in a diploid mole-like conceptus: report of a case with triple paternal contribution
Virchows Arch. 2023 Sep 11. doi: 10.1007/s00428-023-03638-y.
<https://doi.org/10.1007/s00428-023-03638-y>

Duot M, Coomson SY, Shrestha SK, Nagulla MVMK, Audic Y, Barve RA, Huang H, Gautier-Courteille C, Paillard L, Lachke SA:
Transcriptome Meta-Analysis Uncovers Cell-Specific Regulatory Relationships in Embryonic, Juvenile, Adult, and Aged Mouse Lens Epithelium and Fibers
Invest Ophthalmol Vis Sci. 2025 Apr 1;66(4):42. doi: 10.1167/iovs.66.4.42.
<https://doi.org/10.1167/iovs.66.4.42>

Dzamukova M, Brunner TM, Miotla-Zarebska J, Heinrich F, Brylka L, Mashreghi MF, Kusumbe A, Kühn R, Schinke T, Vincent TL, Löhning M:
Mechanical forces couple bone matrix mineralization with inhibition of angiogenesis to limit adolescent bone growth
Nat Commun. 2022 Jun 1;13(1):3059. doi: 10.1038/s41467-022-30618-8.
<https://www.nature.com/articles/s41467-022-30618-8>

Dzamukova M, Brunner TM, Miotla-Zarebska J, Heinrich F, Brylka L, Mashreghi M-F, Anjali Kusumbe, Kühn R, Schinke T, Vincent TL, and Löhning M:
Mechanical forces switch blood vessel subtypes to arrest adolescent bone growth
Research Square, V1, 12 Jan 2021, DOI: 10.21203/rs.3.rs-120475/v1
<https://www.researchsquare.com/article/rs-120475/v1>

Dzitoyeva S, Chen H, Manev H:
Effect of aging on 5-hydroxymethylcytosine in brain mitochondria
Neurobiol Aging. 2012 Mar 22. [Epub ahead of print]
[http://linkinghub.elsevier.com/retrieve/pii/S0197-4580\(12\)00151-0](http://linkinghub.elsevier.com/retrieve/pii/S0197-4580(12)00151-0)

Edris R, Sultan LD, Best C, Mizrahi R, Weinstein O, Chen S, Kamennaya NA, Keren N, Zer H, Zhu H, Ostersetzer-Biran O:
Root Primordium Defective 1 Encodes an Essential PORR Protein Required for the Splicing of Mitochondria Encoded Group II Introns and for Respiratory Complex I Biogenesis
Plant Cell Physiol. 2023 Sep 13;pcad101. doi: 10.1093/pcp/pcad101.
<https://doi.org/10.1093/pcp/pcad101>

Elliott GC, Gurtu R, McCollum C, Newman WG, Wang T:
Foramen Ovale Closure Is a Process of Endothelial-to-Mesenchymal Transition Leading to Fibrosis
PLoS One. 2014 Sep 12;9(9):e107175. doi: 10.1371/journal.pone.0107175. eCollection 2014.
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0107175>

Ellis P, Moore L, Sanders MA, Butler TM, Brunner SF, Lee-Six H, Osborne R, Farr B, Coorens THH, Lawson ARJ, Cagan A, Stratton MR, Martincorena I, Campbell PJ:

Reliable detection of somatic mutations in solid tissues by laser-capture microdissection and low-input DNA sequencing

Nat Protoc. 2020 Dec 14. doi: 10.1038/s41596-020-00437-6.

<https://www.nature.com/articles/s41596-020-00437-6>

Elser BA, Kayali K, Dhakal R, O'Hare B, Wang K, Lehmler HJ, Stevens HE:

Combined maternal exposure to cypermethrin and stress affect embryonic brain and placental outcomes in mice

Toxicol Sci. 2020 Mar 19. pii: kfaa040. doi: 10.1093/toxsci/kfaa040.

<https://academic.oup.com/toxsci/article-lookup/doi/10.1093/toxsci/kfaa040>

Engelham S, Mdaki K, Jewell K, Austin R, Lehner AN, and Langley-Evans SC:

Mitochondrial Respiration Is Decreased in Rat Kidney Following Fetal Exposure to a Maternal Low-Protein Diet

Journal of Nutrition and Metabolism Volume 2012 (2012), Article ID 989037, 10 pages,

doi:10.1155/2012/989037

<http://www.hindawi.com/journals/jnume/2012/989037/>

Esakky P, Hansen DA, Drury AM, Moley KH:

Molecular Analysis of Cell Type-Specific Gene Expression Profile During Mouse Spermatogenesis by Laser Microdissection and qRT-PCR

Reprod Sci. 2012 Aug 30.

<http://rsx.sagepub.com/cgi/pmidlookup?view=long&pmid=22941942>

Evans GE, Martínez-Conejero JA, Phillipson GT, Simón C, McNoe LA, Sykes PH, Horcajadas JA, Lam EY, Print CG, Sin IL, Evans JJ:

Gene and protein expression signature of endometrial glandular and stromal compartments during the window of implantation

Fertil Steril. 2012 Jun;97(6):1365-73.e1-2. doi: 10.1016/j.fertnstert.2012.03.007.

[http://linkinghub.elsevier.com/retrieve/pii/S0015-0282\(12\)00321-4](http://linkinghub.elsevier.com/retrieve/pii/S0015-0282(12)00321-4)

Fededa JP, Esk C, Mierzwa B, Stanyte R, Yuan S, Zheng H, Ebnet K, Yan W, Knoblich JA, Gerlich DW:

MicroRNA-34/449 controls mitotic spindle orientation during mammalian cortex development

EMBO J. 2016 Oct 5. pii: e201694056.

<http://emboj.embopress.org/cgi/pmidlookup?view=long&pmid=27707753>

Feng X, Xu M, Liu Y, Wang X, Duan Y, Zheng X, Yin W, Cai Y, Zhang W, Jiang Q, Pang J, Li J:

The sperm quality in DIO male mice is linked to the NF- κ B signaling and Ppp2ca expression in the hypothalamus

ISCIENCE (2025), doi: <https://doi.org/10.1016/j.isci.2025.112110>.

<https://doi.org/10.1016/j.isci.2025.112110>

Forman K, Martínez F, Cifuentes M, Bertinat R, Salazar K, Nualart F:

Aging Selectively Modulates Vitamin C Transporter Expression Patterns in the Kidney

J Cell Physiol. 2016 Jul 27. doi: 10.1002/jcp.25504.

<http://dx.doi.org/10.1002/jcp.25504>

Forman K, Martínez F, Cifuentes M, Fernández M, Bertinat R, Torres P, Salazar K, Godoy A, Nualart F:

Dehydroascorbic acid, the oxidized form of vitamin C, improves renal histology and function in old mice

J Cell Physiol. 2020 May 21. doi: 10.1002/jcp.29791.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/jcp.29791>

Frimer M, Levano KS, Rodriguez-Gabin A, Wang Y, Goldberg GL, Horwitz SB, Hou JY:

Germline mutations of the DNA repair pathways in uterine serous carcinoma

Gynecol Oncol. 2016 Apr;141(1):101-7. doi: 10.1016/j.ygyno.2015.12.034.
[http://linkinghub.elsevier.com/retrieve/pii/S0090-8258\(15\)30237-7](http://linkinghub.elsevier.com/retrieve/pii/S0090-8258(15)30237-7)

Franco A, Jouaux A, Mathieu M, Sourdain P, Lelong C, Kellner K, Heude Berthelin C:
Proliferating cell nuclear antigen in gonad and associated storage tissue of the Pacific oyster *Crassostrea gigas*: seasonal immunodetection and expression in laser microdissected tissues
Cell Tissue Res 340(1):201-10 (2010)
<http://www.springerlink.com/content/f623163643701145/>

Friess C, Götz M, Kjell J:
Cryo-section Dissection of the Adult Subependymal Zone for Accurate and Deep Quantitative Proteome Analysis
J Vis Exp. 2021 Oct 7;(176). doi: 10.3791/63047.
<https://www.jove.com/de/t/63047/cryo-section-dissection-adult-subependymal-zone-for-accurate-deep>

Fu Y, Li S, Xu L, Ji C, Xiao Q, Shi D, Wang G, Wang W, Wang J, Wang J, and Wu Y:
RNA sequencing of cleanly isolated early endosperms reveals coenocyte-to-cellularization transition features in maize
Seed Biology 2023, 2:8, DOI: 10.48130/SeedBio-2023-0008
<https://doi.org/10.48130/SeedBio-2023-0008>

Fu Z, Löfqvist CA, Liegl R, Wang Z, Sun Y, Gong Y, Liu CH, Meng SS, Burnim SB, Arellano I, Chouinard MT, Duran R, Poblete A, Cho SS, Akula JD, Kinter M, Ley D, Pupp IH, Talukdar S, Hellström A, Smith LE:
Photoreceptor glucose metabolism determines normal retinal vascular growth
EMBO Mol Med. 2017 Nov 27. pii: e201707966. doi: 10.15252/emmm.201707966.
<http://embomolmed.embopress.org/cgi/pmidlookup?view=long&pmid=29180355>

Fujimoto H, Woo GH, Inoue K, Igarashi K, Kanno J, Hirose M, Nishikawa A, and Shibutani M:
Increased cellular distribution of vimentin and Ret in the cingulum induced by developmental hypothyroidism in rat offspring maternally exposed to anti-thyroid agents
Reproductive Toxicology, Available online 6 April 2012, ISSN 0890-6238, 10.1016/j.reprotox.2012.03.005.
<http://www.sciencedirect.com/science/article/pii/S0890623812000482>

Fujita K, Taya Y, Shimazu Y, Aoba T, Soeno Y :
Molecular signaling at the fusion stage of the mouse mandibular arch: involvement of insulin-like growth factor family
Int J Dev Biol. 2013 Apr 12.
<http://www.ijdb.ehu.es/web/paper/120110ys/molecular-signaling-at-the-fusion-stage-of-the-mouse-mandibular-arch-involvement-of-insulin-like-growth-factor-family>

Galiger C, Kostin S, Golec A, Ahlbrecht K, Becker S, Gherghiceanu M, Popescu LM, Morty RE, Seeger W, Voswinckel R:
Phenotypical and ultrastructural features of Oct4-positive cells in the adult mouse lung
J Cell Mol Med. 2014 Jun 3. doi: 10.1111/jcmm.12295.
<http://onlinelibrary.wiley.com/doi/10.1111/jcmm.12295/pdf>

Gambetta GA, Fei J, Rost TL, Knipfer T, Matthews MA, Shackel KA, Walker MA, McElrone AJ:
Water uptake along the length of grapevine fine roots: developmental anatomy, tissue specific aquaporin expression, and pathways of water transport
Plant Physiol. 2013 Sep 18.
<http://www.plantphysiol.org/content/early/2013/09/18/pp.113.221283.long>

Gansevoort M, Oostendorp C, Bouwman LF, Tiemessen DM, Geutjes PJ, Feitz WFJ, van Kuppevelt TH, Daamen WF:

Collagen-Heparin-FGF2-VEGF Scaffolds Induce a Regenerative Gene Expression Profile in a Fetal Sheep Wound Model

Tissue Eng Regen Med. 2024 Aug 31. doi: 10.1007/s13770-024-00667-9.

<https://doi.org/10.1007/s13770-024-00667-9>

Gao M, Zhang T, Chen T, Chen Z, Zhu Z, Wen Y, Qin S, Bao Y, Zhao T, Li H, Liu L, Hao M, Wang J, Wang F, Wang H, Zhou B, Zhang H, Xia G, Wang C:

Polycomb repressive complex 1 modulates granulosa cell proliferation in early folliculogenesis to support female reproduction

Theranostics. 2024 Jan 27;14(4):1371-1389. doi: 10.7150/thno.89878. eCollection 2024.

<https://doi.org/10.7150%2Fthno.89878>

Garcia CM, Huang J, Madakashira BP, Liu Y, Rajagopal R, Dattilo L, Robinson ML, Beebe DC:

The function of FGF signaling in the lens placode

Dev Biol 351(1):176-85 (2011)

<http://dx.doi.org/10.1016/j.ydbio.2011.01.001>

Garrido-Gomez T, Ona K, Kapidzic M, Gormley M, Simón C, Genbacev O, Fisher SJ :

Severe preeclampsia is associated with alterations in cytotrophoblasts of the smooth chorion

Development. 2017 Feb 23. pii: dev.146100. doi: 10.1242/dev.146100.

<http://dev.biologists.org/cgi/pmidlookup?view=long&pmid=28232601>

Gebril M, Hirota Y, Aikawa S, Fukui Y, Kaku T, Matsuo M, Hirata T, Akaeda S, Hiraoka T, Shimizu-Hirota R, Takeda N, Taha T, Balah OA, Elnoury MAH, Fujii T, Osuga Y:

Uterine epithelial progesterone receptor governs uterine receptivity through epithelial cell differentiation.

Endocrinology. 2020 Oct 25:bqaa195. doi: 10.1210/endocr/bqaa195.

<https://academic.oup.com/endo/advance-article-abstract/doi/10.1210/endocr/bqaa195/5939206>

Giraldo JA, Damaris Molano R, Rengifo HR, Fotino C, Gattás-Asfura KM, Pileggi A, Stabler CL:

The Impact of Cell Surface PEGylation and Short-Course Immunotherapy on Islet Graft Survival in an Allogeneic Murine Model

Acta Biomater. 2016 Nov 30. pii: S1742-7061(16)30656-0. doi: 10.1016/j.actbio.2016.11.060.

[https://linkinghub.elsevier.com/retrieve/pii/S1742-7061\(16\)30656-0](https://linkinghub.elsevier.com/retrieve/pii/S1742-7061(16)30656-0)

Gonzalez-Fernandez C, Arevalo-Martin A, Paniagua-Torija B, Ferrer I, Rodriguez FJ, Garcia-Ovejero D:

Wnts Are Expressed in the Ependymal Region of the Adult Spinal Cord

Mol Neurobiol. 2016 Oct 8.

<http://dx.doi.org/10.1007/s12035-016-0132-8>

Good M, Chu T, Shaw P, McClain L, Chamberlain A, Castro C, Rimer JM, Mihi B, Gong Q, Nolan LS, Cooksey K, Linneman L, Agrawal P, Finegold DN, Peters D:

Global hypermethylation of intestinal epithelial cells is a hallmark feature of neonatal surgical necrotizing enterocolitis

Clin Epigenetics. 2020 Dec 11;12(1):190. doi: 10.1186/s13148-020-00983-6.

<https://link.springer.com/article/10.1186/s13148-020-00983-6>

Gorman LM, Konciute MK, Cui G, Oakley CA, Grossman AR, Weis VM, Aranda M, and Davy SK:

Symbiosis with Dinoflagellates Alters Cnidarian Cell-Cycle Gene Expression

Cellular Microbiology, (23rd May) Volume 2022, Article ID 3330160, 20 pages

<https://doi.org/10.1155/2022/3330160>

Gormley M, Ona K, Kapidzic M, Garrido-Gomez T, Zdravkovic T, Fisher SJ:

Preeclampsia: Novel Insights from Global RNA Profiling of Trophoblast Subpopulations

Am J Obstet Gynecol. 2017 Mar 24. pii: S0002-9378(17)30441-6. doi: 10.1016/j.ajog.2017.03.017.

<http://www.sciencedirect.com/science/article/pii/S0002937817304416>

Gormley M, Oliverio O, Kapidzic M, Ona K, Hall S, Fisher SJ:

RNA profiling of laser microdissected human trophoblast subtypes at mid-gestation reveals a role for cannabinoid signaling in invasion

Development. 2021 Sep 24;dev.199626. doi: 10.1242/dev.199626.

<https://journals.biologists.com/dev/article/doi/10.1242/dev.199626/272276/RNA-profiling-of-laser-microdissected-human>

Gotoh O, Sugiyama Y, Takazawa Y, Kato K, Tanaka N, Omatsu K, Takeshima N, Nomura H, Hasegawa K, Fujiwara K, Taki M, Matsumura N, Noda T, Mori S:

Clinically relevant molecular subtypes and genomic alteration-independent differentiation in gynecologic carcinosarcoma

Nat Commun. 2019 Oct 31;10(1):4965. doi: 10.1038/s41467-019-12985-x.

<https://www.nature.com/articles/s41467-019-12985-x>

Gotoh O, Sugiyama Y, Tonooka A, Kosugi M, Kitaura S, Minegishi R, Sano M, Amino S, Furuya R, Tanaka N, Kaneyasu T, Kumegawa K, Abe A, Nomura H, Takazawa Y, Kanao H, Maruyama R, Noda T, Mori S:

Genetic and epigenetic alterations in precursor lesions of endometrial endometrioid carcinoma

J Pathol. 2024 May 11. doi: 10.1002/path.6278.

<https://doi.org/10.1002/path.6278>

Gouran M:

Transcriptional Regulation of Xylem Development and Secondary Cell Wall Composition

Thesis, 2023

<https://escholarship.org/uc/item/3ff6j9x3>

Greaves LC, Elson JL, Nooteboom M, Grady JP, Taylor GA, Taylor RW, Mathers JC, Kirkwood TB, Turnbull DM:

Comparison of mitochondrial mutation spectra in ageing human colonic epithelium and disease: absence of evidence for purifying selection in somatic mitochondrial DNA point mutations

PLoS Genet. 2012 Nov;8(11):e1003082. doi: 10.1371/journal.pgen.1003082. Epub 2012 Nov 15.

<http://dx.plos.org/10.1371/journal.pgen.1003082>

Greig CJ, Armenia SJ, Cowles RA:

The M1 muscarinic acetylcholine receptor in the crypt stem cell compartment mediates intestinal mucosal growth

Exp Biol Med (Maywood). 2020 Jul 1;1535370220938375. doi: 10.1177/1535370220938375.

<https://journals.sagepub.com/doi/10.1177/1535370220938375>

Grossmann S, Hooks Y, Wilson L, Moore L, O'Neill L, Martincorena I, Voet T, Stratton MR, Heer R, Campbell PJ:

Development, maturation, and maintenance of human prostate inferred from somatic mutations.

Cell Stem Cell. 2021 Feb 24;S1934-5909(21)00055-2. doi: 10.1016/j.stem.2021.02.005.

<https://www.sciencedirect.com/science/article/pii/S1934590921000552>

Guerrero-Santoro J, Morizane M, Oh SY, Mishima T, Goff JP, Bildirici I, Sadovsky E, Ouyang Y, Tyurin VA, Tyurina YY, Kagan VE, Sadovsky Y:

The lipase cofactor CGI58 controls placental lipolysis

JCI Insight. 2023 May 22;8(10):e168717. doi: 10.1172/jci.insight.168717.

<https://doi.org/10.1172/jci.insight.168717>

Gupta D, Harvey SA, Kaminski N, Swamynathan S:

Mouse conjunctival forniceal gene expression during postnatal development and its regulation by Kruppel-like factor 4

Invest Ophthalmol Vis Sci. 2011 Mar 11. [Epub ahead of print]

<http://www.iovs.org/content/early/2011/03/11/iovs.10-7068.abstract>

Gwee SSL, Radford RAW, Chow S, Syal MD, Morsch M, Formella I, Lee A, Don EK, Badrock AP, Cole NJ, West AK, Cheung SNS, Chung RS:

Aurora kinase B regulates axonal outgrowth and regeneration in the spinal motor neurons of developing zebrafish

Cell Mol Life Sci. 2018 Feb 21. doi: 10.1007/s00018-018-2780-5.

<https://link.springer.com/article/10.1007/s00018-018-2780-5>

Hagelkruys A, Lagger S, Krahmer J, Leopoldi A, Artaker M, Pusch O, Zezula J, Weissmann S, Xie Y, Schöfer C, Schleiderer M, Brosch G, Matthias P, Selfridge J, Lassmann H, Knoblich JA, Seiser C:

A single allele of Hdac2 but not Hdac1 is sufficient for normal mouse brain development in the absence of its paralog

Development. 2014 Feb;141(3):604-16. doi: 10.1242/dev.100487.

<http://dev.biologists.org/cgi/pmidlookup?view=long&pmid=24449838>

Handschock K, Beuerlein K, Jurida L, Bartkuhn M, Müller H, Soelch J, Weber A, Dittrich-Breiholz O, Schneider H, Scharfe M, Jarek M, Stellzig J, Schmitz ML, Kracht M:

Cyclin-Dependent Kinase 6 Is a Chromatin-Bound Cofactor for NF-κB-Dependent Gene Expression

Mol Cell. 2013 Dec 31. pii: S1097-2765(13)00870-8. doi: 10.1016/j.molcel.2013.12.002.

<https://www.cell.com/molecular-cell/abstract/S1097-2765%2813%2900870-8>

Haraguchi H, Saito-Fujita T, Hirota Y, Egashira M, Matsumoto L, Matsuo M, Hiraoka T, Koga K, Yamauchi N, Fukayama M, Bartos A, Cha J, Dey SK, Fujii T, Osuga Y:

MicroRNA-200a locally attenuates progesterone signaling in the cervix preventing embryo implantation

Mol Endocrinol. 2014 May 21;me20141097.

<http://press.endocrine.org/doi/pdf/10.1210/me.2014-1097>

He JJ, Hu G, Shen MY, Fan YJ, Shi XS, Wu XM, Guo WW, Xia QM, Xie KD:

Comprehensive analysis of imprinted genes in citrus endosperm and their contributions to seed development

Plant J. 2025 Jun;122(6):e70290. doi: 10.1111/tpj.70290.

<https://doi.org/10.1111/tpj.70290>

Herbst A, Wanagat J, Cheema N, Widjaja K, McKenzie D, Aiken JM:

Latent mitochondrial DNA deletion mutations drive muscle fiber loss at old age

Aging Cell. 2016 Aug 25. doi: 10.1111/accel.12520.

<http://dx.doi.org/10.1111/accel.12520>

Hester AK, Semwal MK, Cepeda S, Xiao Y, Rueda M, Wimberly K, Venables T, Dileepan T, Kraig E, Griffith AV

Redox regulation of age-associated defects in generation and maintenance of T cell self-tolerance and immunity to foreign antigens

Cell Rep. 2022 Feb 15;38(7):110363. doi: 10.1016/j.celrep.2022.110363

<https://www.sciencedirect.com/science/article/pii/S2211124722000845>

Hinna KH, Rich K, Fex-Svenningsen Å, Benedikz E:

The Rat Homolog of the Schizophrenia Susceptibility Gene ZNF804A Is Highly Expressed during Brain Development, Particularly in Growth Cones

PLoS One. 2015 Jul 6;10(7):e0132456. doi: 10.1371/journal.pone.0132456. eCollection 2015.

<http://dx.plos.org/10.1371/journal.pone.0132456>

Holmes G, Gonzalez-Reiche AS, Lu N, Zhou X, Rivera J, Kriti D, Sebra R, Williams AA, Donovan MJ, Potter SS, Pinto D, Zhang B, van Bakel H, Jabs EW:

Integrated Transcriptome and Network Analysis Reveals Spatiotemporal Dynamics of Calvarial Suturogenesis

Cell Rep. 2020 Jul 7;32(1):107871. doi: 10.1016/j.celrep.2020.107871.

<https://www.sciencedirect.com/science/article/pii/S2211124720308524>

Hood BL, Liu B, Alkhas A, Shoji Y, Challa R, Wang G, Ferguson S, Oliver J, Mitchell D, Bateman NW, Zahn CM, Hamilton CA, Payson M, Lessey B, Fazleabas AT, Maxwell GL, Conrads TP, Risinger JI:

Proteomics of the Human Endometrial Glandular Epithelium and Stroma from the Proliferative and Secretory Phases of the Menstrual Cycle

Biol Reprod. 2015 Feb 18. pii: biolreprod.114.127217.

<http://www.biolreprod.org/cgi/pmidlookup?view=long&pmid=25695723>

Hsieh JA, Liou PC, Lin CC, Dai X, Hu CW, Wang IF, Dang JF, Ho YC, Cheng KW, Xu W, Kuo SC, Kao CT, Yang DX, Wang R, Xiao K, Lin JS, Hsu CC, Hsu CC, Mai TL, Cheng Y, Tseng MC, Li W, Chen YL, Lin YJ:

Single-cell and spatial multiomics identifies heterogeneous xylem development driven by mechanical stress in Populus

Dev Cell. 2025 Jul 21:S1534-5807(25)00436-8. doi: 10.1016/j.devcel.2025.06.038.

<https://doi.org/10.1016/j.devcel.2025.06.038>

Huang J, Liu Y, Oltean A, Beebe DC:

Bmp4 from the optic vesicle specifies murine retina formation

Dev Biol. 2015 Mar 16. pii: S0012-1606(15)00114-1. doi: 10.1016/j.ydbio.2015.03.006.

[http://linkinghub.elsevier.com/retrieve/pii/S0012-1606\(15\)00114-1](http://linkinghub.elsevier.com/retrieve/pii/S0012-1606(15)00114-1)

Huang SH, Gong TW, Gong SG:

Isolation of epithelial cells in the developing primary lip and palate

J Craniofac Surg. 2011 Sep;22(5):1847-51

http://journals.lww.com/jcraniofacialsurgery/Abstract/2011/09000/Isolation_of_Epithelial_Cells_in_the_Developing_Palate.aspx

Huang J, Rajagopal R, Liu Y, Dattilo LK, Shaham O, Ashery-Padan R, Beebe DC:

The mechanism of lens placode formation: A case of matrix-mediated morphogenesis

Dev Biol. 2011 Apr 21. [Epub ahead of print]

<http://dx.doi.org/10.1016/j.ydbio.2011.04.008>

Hussain A, Husna, Ullah I, Naseem M:

Plant-Associated Microbes Alter Root Growth by Modulating Root Apical Meristem

Methods Mol Biol. 2020;2094:49-58. doi: 10.1007/978-1-0716-0183-9_6

https://link.springer.com/protocol/10.1007/978-1-0716-0183-9_6

Ichimura H, Kadota S, Kashihara T, Yamada M, Ito K, Kobayashi H, Tanaka Y, Shiba N, Chuma S, Tohyama S, Seto T, Okada K, Kuwahara K, Shiba Y:

Increased predominance of the matured ventricular subtype in embryonic stem cell-derived cardiomyocytes in vivo

Sci Rep. 2020 Jul 17;10(1):11883. doi: 10.1038/s41598-020-68373-9.

<https://www.nature.com/articles/s41598-020-68373-9>

Inoue, K., Sakurada, Y., Murakami, M., Shiota, M., and Shiota, K.:

Detection of gene expression of vascular endothelial growth factor and flk-1 in the renal glomeruli of the normal rat kidney using the laser microdissection system

Virchows Arch 442(2): 159-162 (2003)

<http://www.springerlink.com/content/dck2mpaq6a7a8qeu/>

Ishiguro T, Suda K, Enomoto T:

Biochemical analysis of intraplacental choriocarcinoma and fetomaternal transfusion

J Obstet Gynaecol Res. 2017 Feb 6. doi: 10.1111/jog.13232.

<http://dx.doi.org/10.1111/jog.13232>

Ishimura T, Ida M, Hirose S, Shimamura S, Masumura T, Nishizawa NK, Nakazono M, Kondo M:

Laser microdissection-based gene expression analysis in the aleurone layer and starchy endosperm of developing rice caryopses in the early storage phase

Rice, July 2015, 8:22,

<http://link.springer.com/article/10.1186%2Fs12284-015-0057-2#>

Ishimaru T, Parween S, Saito Y, Masamura T, Kondo M, Sreenivasulu N:

Laser Microdissection Transcriptome Data Derived Gene Regulatory Networks of Developing Rice Endosperm Revealed Tissue- and Stage-specific Regulators Modulating Starch Metabolism

Research Square, 23 Aug 2021, DOI: 10.21203/rs.3.rs-814515/v1

<https://www.researchsquare.com/article/rs-814515/v1>

Ishimaru T, Parween S, Saito Y, Shigemitsu T, Yamakawa H, Nakazono M, Masumura T, Nishizawa NK, Kondo M, Sreenivasulu N:

Laser microdissection-based tissue specific transcriptome analyses reveals novel regulatory network of genes involved in heat-induced grain chalk in rice endosperm

Plant Cell Physiol. 2018 Dec 4. doi: 10.1093/pcp/pcy233.

<https://academic.oup.com/pcp/article-lookup/doi/10.1093/pcp/pcy233>

Ito N, Takatsu A, Ito H, Koike Y, Yoshioka K, Kamei Y, Imai SI:

Slc12a8 in the lateral hypothalamus maintains energy metabolism and skeletal muscle functions during aging

Cell Rep. 2022 Jul 26;40(4):111131. doi: 10.1016/j.celrep.2022.111131.

<https://doi.org/10.1016/j.celrep.2022.111131>

Jhu M-Y, Ichihashi Y, Farhi M, Wong C, Sinha NR :

LATERAL ORGAN BOUNDARIES DOMAIN 25 functions as a key regulator of haustorium development in dodders

Plant Physiology, 2021 May 27, kiab231, <https://doi.org/10.1093/plphys/kiab231>

<https://academic.oup.com/plphys/advance-article/doi/10.1093/plphys/kiab231/6287075>

Jia HH, Xu YT, Yin ZP, Wu XM, Qing M, Fan YJ, Song X, Xie KD, Xie ZZ, Xu Q, Deng XX, Guo WW:

Transcriptomes and DNA methylomes in apomictic cells delineate nucellar embryogenesis initiation in citrus

DNA Res. 2021 Aug 23:dsab014. doi: 10.1093/dnares/dsab014.

<https://academic.oup.com/dnares/advance-article-pdf/doi/10.1093/dnares/dsab014/39846198/dsab014.pdf>

Jiang HH, Gill BC, Dissaranan C, Zutshi M, Balog BM, Lin D, Damaser MS :

Effects of acute selective pudendal nerve electrical stimulation after simulated childbirth injury

Am J Physiol Renal Physiol. 2012 Nov 14.

<http://ajprenal.physiology.org/cgi/pmidlookup?view=reprint&pmid=23152293>

Johnson S, Yoshioka K, Brace CS, Imai SI:

Quantification of localized NAD⁺ changes reveals unique specificity of NAD⁺ regulation in the hypothalamus

NPJ Aging. 2023 Jan 25;9(1):1. doi: 10.1038/s41514-023-00098-1.

<https://doi.org/10.1038/s41514-023-00098-1>

Kaverina NV, Eng DG, Largent AD, Daehn I, Chang A, Gross KW, Pippin JW, Hohenstein P, Shankland SJ:

WT1 Is Necessary for the Proliferation and Migration of Cells of Renin Lineage Following Kidney Podocyte Depletion

Stem Cell Reports. 2017 Oct 10;9(4):1152-1166. doi: 10.1016/j.stemcr.2017.08.020. Epub 2017 Sep 28. https://www.research.ed.ac.uk/portal/files/44665102/WT1_is_necessary_for_the_proliferation.....pdf

Kawasaki M, Kawasaki K, Sari FT, Kudo T, Nihara J, Kitamura M, Nagai T, Utama V, Ishida Y, Meguro F, Kesuma A, Fujita A, Nishimura T, Kogure Y, Maruyama S, Tanuma JI, Kakihara Y, Maeda T, Ghafoor S, Khonsari RH, Corre P, Sharpe PT, Cobourne M, Franco B, Ohazama A:

Cell-cell interaction determines cell fate of mesoderm-derived cell in tongue development through Hh signaling

Elife. 2024 Oct 11;13:e85042. doi: 10.7554/eLife.85042. <https://doi.org/10.7554/elife.85042>

Ke Y, Podio M, Conner J, Ozias-Akins P:

Single-cell transcriptome profiling of buffelgrass (*Cenchrus ciliaris*) eggs unveils apomictic parthenogenesis signatures

Sci Rep. 2021 May 10;11(1):9880. doi: 10.1038/s41598-021-89170-y. <https://www.nature.com/articles/s41598-021-89170-y>

Killian ML, Thomopoulos S:

Scleraxis is required for the development of a functional tendon enthesis

FASEB J. 2015 Oct 6. pii: fj.14-258236. <http://www.fasebj.org/cgi/pmidlookup?view=long&pmid=26443819>

Kim C, Smith KE, Castillejos A, Diaz-Aguilar D, Saint-Geniez M, Connor KM:

The alternative complement pathway aids in vascular regression during the early stages of a murine model of proliferative retinopathy

FASEB J. 2015 Nov 30. pii: fj.15-280834. <http://www.fasebj.org/cgi/pmidlookup?view=long&pmid=26631482>

Kim Y, Jang H, Seo K, Kim JH, Cho HM, Kim HJ, Yang E, Kim H, Gim J-A, Park Y, Ryu JR, Sun W:

Cell position within human pluripotent stem cell colonies determines apical specialization via an actin cytoskeleton-based mechanism

Stem Cell Reports. 2021 Nov 27;S2213-6711(21)00586-5. doi: 10.1016/j.stemcr.2021.11.005. <https://www.sciencedirect.com/science/article/pii/S2213671121005865>

King RA:

Analyzing the CRISPR Cas-9 Activity of a Split-Suppression Drive through Sequence Diversity in *Drosophila melanogaster*

Thesis, 2024 <https://edepot.wur.nl/669791>

Kiontke K, Herrera RA, Mason DA, Woronik A, Vernooij S, Patel Y, Fitch DHA:

Tissue-specific RNA-seq defines genes governing male tail tip morphogenesis in *C. elegans*

bioRxiv, 2023 Jan 12, doi: <https://doi.org/10.1101/2024.01.12.575210>

Kitagawa D, Flückiger I, Polanowska J, Keller D, Reboul J, Gönczy P :

PP2A Phosphatase Acts upon SAS-5 to Ensure Centriole Formation in *C. elegans* Embryos

Dev Cell. 2011 Apr 19;20(4):550-62. [http://linkinghub.elsevier.com/retrieve/pii/S1534-5807\(11\)00074-8](http://linkinghub.elsevier.com/retrieve/pii/S1534-5807(11)00074-8)

Kivivirta K, Herbert D, Lange M, Beuerlein K, Altmüller J, Becker A:

A protocol for laser microdissection (LMD) followed by transcriptome analysis of plant reproductive tissue in phylogenetically distant angiosperms

Plant Methods. 2019 Dec 16;15:151. doi: 10.1186/s13007-019-0536-3. eCollection 2019.
<https://plantmethods.biomedcentral.com/articles/10.1186/s13007-019-0536-3>

Ko JA, Mizuno Y, Yanai R, Chikama T, Sonoda KH:

Expression of semaphorin 3A and its receptors during mouse corneal development

Biochem Biophys Res Commun 403(3-4):305-9 (2010)
<http://dx.doi.org/10.1016/j.bbrc.2010.11.022>

Komabayashi-Suzuki M, Yamanishi E, Watanabe C, Okamura M, Tabata H, Iwai R, Ajioka I, Matsushita J, Kidoya H, Takakura N, Okamoto T, Kinoshita K, Ichihashi M, Nagata KI, Ema M, Mizutani KI:

Spatiotemporally Dependent Vascularization Is Differently Utilized among Neural Progenitor Subtypes during Neocortical Development

Cell Rep. 2019 Oct 29;29(5):1113-1129.e5. doi: 10.1016/j.celrep.2019.09.048.
<https://www.sciencedirect.com/science/article/pii/S2211124719312367#!>

Kozuki S, Kabata M, Sakurai S, Iwaisako K, Nishimura T, Toi M, Yamamoto T, Toyoshima F:

Periportal hepatocyte proliferation at midgestation governs maternal glucose homeostasis in mice

Commun Biol. 2023 Dec 4;6(1):1226. doi: 10.1038/s42003-023-05614-3.
<https://doi.org/10.1038/s42003-023-05614-3>

Kretschmer T, Turnwald EM, Janoschek R, Zentis P, Bae-Gartz I, van Beers T, Handwerk M, Wohlfarth M, Ghilav M, Bloch W, Hucklenbruch-Rother E, Dötsch J, Appel S:

Maternal high fat diet-induced obesity affects trophoblast differentiation and placental function in mice

Biol Reprod. 2020 Sep 11;ioaa166. doi: 10.1093/biolre/ioaa166.
<https://academic.oup.com/biolreprod/advance-article-abstract/doi/10.1093/biolre/ioaa166/5904061>

Kurashina R, Kikuchi K, Iwaki J, Yoshitake H, Takeshita T, Takizawa T:

Placenta-specific miRNA (miR-512-3p) targets PPP3R1 encoding the calcineurin B regulatory subunit in BeWo cells

J Obstet Gynaecol Res. 2013 Nov 18. doi: 10.1111/jog.12217.
<http://onlinelibrary.wiley.com/doi/10.1111/jog.12217/abstract>

Laoharatchatathanin T, Rieanrakwong D, Hatsugai Y, Terashima R, Yonezawa T, Kurusu S, Kawaminami M:

Mast Cell Dynamics in the Ovary Are Governed by GnRH and Prolactin

Endocrinology. 2023 Sep 23;164(11):bqad144. doi: 10.1210/endocr/bqad144.
<https://doi.org/10.1210/endocr/bqad144>

Lash GE, Innes BA, Drury JA, Robson SC, Quenby S, Bulmer JN:

Localization of angiogenic growth factors and their receptors in the human endometrium throughout the menstrual cycle and in recurrent miscarriage

Hum Reprod. 2011 Nov 10. [Epub ahead of print]
<http://humrep.oxfordjournals.org/content/early/2011/11/09/humrep.der376.long>

Lee B, Villarreal-Ponce A, Fallahi M, Ovadia J, Sun P, Yu QC, Ito S, Sinha S, Nie Q, Dai X:

Transcriptional mechanisms link epithelial plasticity to adhesion and differentiation of epidermal progenitor cells

Dev Cell. 2014 Apr 14;29(1):47-58. doi: 10.1016/j.devcel.2014.03.005.
[http://linkinghub.elsevier.com/retrieve/pii/S1534-5807\(14\)00157-9](http://linkinghub.elsevier.com/retrieve/pii/S1534-5807(14)00157-9)

Lee JG, Kim G, Park SG, Yon JM, Yeom J, Song HE, Cheong SA, Lim JS, Sung YH, Kim K, Yoo HJ, Hong EJ, Nam KH, Seong JK, Kim CJ, Nam SY, Baek IJ:

Lipid signatures reflect the function of the murine primary placentation

Biol Reprod. 2022 Mar 19;106(3):583-596. doi: 10.1093/biolre/ioab219.

<https://doi.org/10.1093/biolre/ioab219>

Lee JG, Yon JM, Kim G, Lee SG, Kim CY, Cheong SA, Kim HY, Yu J, Kim K, Sung YH, Yoo HJ, Woo DC, Rho JK, Ha CH, Pack CG, Oh SH, Lim JS, Han YM, Hong EJ, Seong JK, Lee HW, Lee SW, Lee KU, Kim CJ, Nam SY, Cho YS, Baek IJ:

PIBF1 regulates trophoblast syncytialization and promotes cardiovascular development

Nat Commun. 2024 Feb 19;15(1):1487. doi: 10.1038/s41467-024-45647-8.

<https://doi.org/10.1038/s41467-024-45647-8>

Lei HC, Parker KE, Yuede CM, McCall JG, Imai S-i:

Aging reduces motivation through decreased Bdnf expression in the ventral tegmental area

bioRxiv preprint doi: 10.1101/2023.01.19.524624; January 20, 2023.

<https://doi.org/10.1101/2023.01.19.524624>

Lembrechts R, Brouns I, Schnorbusch K, Pintelon I, Kemp PJ, Timmermans JP, Riccardi D, Adriaensen D:

Functional expression of the multimodal extracellular calcium-sensing receptor in pulmonary neuroendocrine cells

J Cell Sci. 2013 Jul 25.

<http://jcs.biologists.org/cgi/pmidlookup?view=long&pmid=23886943>

Li D, Liu J, Yang C, Tian Y, Yin C, Hu L, Chen Z, Zhao F, Zhang R, Lu A, Zhang G, Qian A:

Targeting long noncoding RNA PMIF facilitates osteoprogenitor cells migrating to bone formation surface to promote bone formation during aging

Theranostics. 2021 Mar 20;11(11):5585-5604. doi: 10.7150/thno.54477.

<https://www.thno.org/v11p5585.htm>

Li G, Xu A, Sim S, Priest JR, Tian X, Khan T, Quertermous T, Zhou B, Tsao PS, Quake SR, Wu SM:

Transcriptomic Profiling Maps Anatomically Patterned Subpopulations among Single Embryonic Cardiac Cells

Dev Cell. 2016 Nov 8. pii: S1534-5807(16)30752-3. doi: 10.1016/j.devcel.2016.10.014.

[http://linkinghub.elsevier.com/retrieve/pii/S1534-5807\(16\)30752-3](http://linkinghub.elsevier.com/retrieve/pii/S1534-5807(16)30752-3)

Li J, Li SS, Liu Y, Tang WY, Liu XF, Meng CF, Zhang LY, Sun MX:

An efficient semi-in vivo zygotic embryogenesis system in Arabidopsis

In Vitro Cell.Dev.Biol.-Plant, 27. Dec 2022

<https://doi.org/10.1007/s11627-022-10319-z>

Li M, Zhang L, Li J, and Zhu Q:

Direct Reprogramming of Mouse Subchondral Bone Osteoblasts into Chondrocyte-Like Cells

Biomedicines 2022, 10, 2582.

<https://doi.org/10.3390/biomedicines10102582>

Li Q, Li M, Ma L, Li W, Wu X, Richards J, Fu G, Xu W, Bythwood T, Li X, Wang J, Song Q:

A method to evaluate genome-wide methylation in archival formalin-fixed, paraffin-embedded ovarian epithelial cells

PLoS One. 2014 Aug 18;9(8):e104481. doi: 10.1371/journal.pone.0104481. eCollection 2014.

<http://dx.plos.org/10.1371/journal.pone.0104481>

Li R, Di L, Li J, Fan W, Liu Y, Guo W, Liu W, Liu L, Li Q, Chen L, Chen Y, Miao C, Liu H, Wang Y, Ma Y, Xu D, Lin D, Huang Y, Wang J, Bai F, Wu C:

A body map of somatic mutagenesis in morphologically normal human tissues

Nature. 2021 Sep;597(7876):398-403. doi: 10.1038/s41586-021-03836-1.

<https://doi.org/10.1038/s41586-021-03836-1>

Li S, Park H, Trempus CS, Gordon D, Liu Y, Cotsarelis G, Morris RJ:
A keratin 15 containing stem cell population from the hair follicle contributes to squamous papilloma development in the mouse

Mol Carcinogenesis, 2012, DOI: 10.1002/mc.21896
<http://onlinelibrary.wiley.com/doi/10.1002/mc.21896/abstract>

Li X, Duan C, Li R, Wang D:
Insights into the Mechanism of Bovine Spermiogenesis Based on Comparative Transcriptomic Studies

Animals (Basel). 2021 Jan 5;11(1):80. doi: 10.3390/ani11010080.
<https://www.mdpi.com/2076-2615/11/1/80>

Li Y, Dai J, Kametani F, Yazaki M, Ishigami A, Mori M, Miyahara H, Higuchi K:
Renal function in aged C57BL/6J mice is impaired by deposition of age-related apolipoprotein A-II amyloid independent of kidney aging

Am J Pathol. 2023 Mar 23:S0002-9440(23)00112-8. doi: 10.1016/j.ajpath.2023.03.002.
<https://doi.org/10.1016/j.ajpath.2023.03.002>

Li Y, Lei D, Swindell WR, Xia W, Weng S, Fu J, Worthen CA, Okubo T, Johnston A, Gudjonsson JE, Voorhees JJ, Fisher GJ:

Age-Associated Increase of Skin Fibroblast-Derived Prostaglandin E2 Contributes to Reduced Collagen Levels in Elderly Human Skin

J Invest Dermatol. 2015 Apr 23. doi: 10.1038/jid.2015.157.
<http://dx.doi.org/10.1038/jid.2015.157>

Li YF, Xu XB, Chen XH, Wei G, He B, Wang JD:

The nuclear factor- κ B pathway is involved in matrix metalloproteinase-9 expression in RU486-induced endometrium breakdown in mice

Hum Reprod. 2012 May 15.
<http://humrep.oxfordjournals.org/content/early/2012/05/14/humrep.des110.abstract>

Liang Y, Shakya A, Liu X:

Biomimetic Tubular Matrix Induces Periodontal Ligament Principal Fiber Formation and Inhibits Osteogenic Differentiation of Periodontal Ligament Stem Cells

ACS Appl Mater Interfaces. 2022 Aug 7. doi: 10.1021/acsami.2c09420.
<https://pubs.acs.org/doi/abs/10.1021/acsami.2c09420>

Lin AC, Tan CL, Lin CL, Strohlic L, Huang YS, Richter JD, Holt CE:

Cytoplasmic polyadenylation and cytoplasmic polyadenylation element-dependent mRNA regulation are involved in *Xenopus* retinal axon development

Neural Dev. 2009 Mar 2;4:8. doi: 10.1186/1749-8104-4-8.
<http://www.neuraldevelopment.com/content/4/8>

Liu J, Wu X, Lu J, Huang G, Dang L, Zhang H, Zhong C, Zhang Z, Li D, Li F, Liang C, Yu Y, Zhang B-T, Chen L, Lu A and Zhang G:

Exosomal transfer of osteoclast-derived miRNAs to chondrocytes contributes to osteoarthritis progression

Nature Aging, 15 Apr '21, volume 1, pages368–384(2021)
<https://www.nature.com/articles/s43587-021-00050-6>

Liu L, Hao M, Zhang J, Chen Z, Zhou J, Wang C, Zhang H, Wang J:

FSHR-mTOR-HIF1 signaling alleviates mouse follicles from AMPK-induced atresia

Cell Rep. 2023 Sep 19;42(10):113158. doi: 10.1016/j.celrep.2023.113158.

<https://doi.org/10.1016/j.celrep.2023.113158>

Liu XS, Chopp M, Wang XL, Zhang L, Hozeska-Solgot A, Tang T, Kassiss H, Zhang RL, Chen C, Xu J, Zhang ZG:

MicroRNA-17/92 cluster mediates the proliferation and survival of neural progenitor cells after stroke

J Biol Chem. 2013 Mar 19.

<http://www.jbc.org/content/early/2013/03/19/jbc.M112.449025.full.pdf+html>

Louie KW, Saera-Vila A, Kish PE, Colacino JA, Kahana A:

Temporally distinct transcriptional regulation of myocyte dedifferentiation and Myofiber growth during muscle regeneration

BMC Genomics. 2017 Nov 9;18(1):854. doi: 10.1186/s12864-017-4236-y.

<https://bmcbgenomics.biomedcentral.com/articles/10.1186/s12864-017-4236-y>

Luo Z, Zhang L, Li Z, Li X, Li G, Yu H, Jiang C, Dai Y, Guo X, Xiang J, Li G

An in silico analysis of dynamic changes in microRNA expression profiles in stepwise development of nasopharyngeal carcinoma

BMC Med Genomics. 2012 Jan 19;5(1):3.

<http://www.biomedcentral.com/1755-8794/5/3>

Ma P, Song NN, Li Y, Zhang Q, Zhang L, Zhang L, Kong Q, Ma L, Yang X, Ren B, Li C, Zhao X, Li Y, Xu Y, Gao X, Ding YQ, Mao B

Fine-Tuning of Shh/Gli Signaling Gradient by Non-proteolytic Ubiquitination during Neural Patterning

Cell Rep. 2019 Jul 9;28(2):541-553.e4. doi: 10.1016/j.celrep.2019.06.017.

[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(19\)30783-1](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(19)30783-1)

Madsen JF, Ernst EH, Amoushahi M, Dueholm M, Ernst E, Lykke-Hartmann K:

Dorsomorphin inhibits AMPK, upregulates Wnt and Foxo genes and promotes the activation of dormant follicles

Commun Biol. 2024 Jun 20;7(1):747. doi: 10.1038/s42003-024-06418-9.

<https://doi.org/10.1038/s42003-024-06418-9>

Madurga A, Golec A, Pozarska A, Ishii I, Mižiková I, Nardiello C, Vadász I, Herold S, Mayer K, Reichenberger F, Fehrenbach H, Seeger W, Morty RE:

The H2S-generating enzymes cystathionine β -synthase and cystathionine γ -lyase play a role in vascular development during normal lung alveolarization

Am J Physiol Lung Cell Mol Physiol. 2015 Jul 31;ajplung.00134.2015. doi: 10.1152/ajplung.00134.2015.

<http://ajplung.physiology.org/cgi/pmidlookup?view=reprint&pmid=26232299>

Man JHK, Breur M, van Gelder CAGH, Marcon G, Maderna E, Giaccone G, Altelaar M, van der Knaap MS and Bugiani M:

Region-specific and age-related differences in astrocytes in the human brain

Neurobiology of Aging, (2024) doi:<https://doi.org/10.1016/j.neurobiolaging.2024.02.016>

<https://doi.org/10.1016/j.neurobiolaging.2024.02.016>

Marchiano S, Nakamura K, Reinecke H, Neidig L, Lai M, Kadota S, Perbellini F, Yang X, Klaiman JM, Blakely LP, Karbassi E, Fields PA, Fenix AM, Beussman KM, Jayabalu A, Kalucki FA, Futakuchi-Tsuchida A, Weber GJ, Dupras S, Tsuchida H, Pabon L, Wang L, Knollmann BC, Kattman S, Thies RS, Sniadecki N, MacLellan WR, Bertero A, Murry CE:

Gene editing to prevent ventricular arrhythmias associated with cardiomyocyte cell therapy

Cell Stem Cell. 2023 Apr 6;30(4):396-414.e9. doi: 10.1016/j.stem.2023.03.010.

<https://doi.org/10.1016/j.stem.2023.03.010>

Matz H, Taylor RS, Redmond AK, Hill TM, Ruiz Daniels R, Beltran M, Henderson NC, Macqueen DJ, Dooley H:

Organized B cell sites in cartilaginous fishes reveal the evolutionary foundation of germinal centers

Cell Rep. 2023 Jun 20;42(7):112664. doi: 10.1016/j.celrep.2023.112664.

<https://doi.org/10.1016/j.celrep.2023.112664>

Mauris J, Dieckow J, Schob S, Pulli B, Hatton MP, Jeong S, Bauskar A, Gabison E, Nowak R, Argüeso P:
Loss of CD147 results in impaired epithelial cell differentiation and malformation of the meibomian gland

Cell Death Dis. 2015 Apr 16;6:e1726. doi: 10.1038/cddis.2015.98

<http://dx.doi.org/10.1038/cddis.2015.98>

McDaniel K, Meng F, Wu N, Sato K, Venter J, Bernuzzi F, Invernizzi P, Zhou T, Kyritsi K, Wan Y, Huang Q, Onori P, Francis H, Gaudio E, Glaser S, Alpini G:

Forkhead box A2 regulated biliary heterogeneity and senescence during cholestatic liver injury

Hepatology. 2016 Sep 17. doi: 10.1002/hep.28831.

<http://dx.doi.org/10.1002/hep.28831>

McEnerney L, Duncan K, Bang BR, Elmasry S, Li M, Miki T, Ramakrishnan SK, Shah YM, Saito T:

Dual modulation of human hepatic zonation via canonical and non-canonical Wnt pathways

Exp Mol Med. 2017 Dec 15;49(12):e413. doi: 10.1038/emm.2017.226.

<https://www.nature.com/articles/emm2017226>

Meng D, Zhao J, Zhao C, Luo H, Xie M, Liu R, Lai J, Zhang X, Jin W:

Sequential gene activation and gene imprinting during early embryo development in maize

Plant J. 2017 Nov 24. doi: 10.1111/tpj.13786.

<http://dx.doi.org/10.1111/tpj.13786>

Merbs SL, Khan MA, Hackler L Jr, Oliver VF, Wan J, Qian J, Zack DJ:

Cell-specific DNA methylation patterns of retina-specific genes

PLoS One. 2012;7(3):e32602. doi: 10.1371/journal.pone.0032602.

<http://dx.plos.org/10.1371/journal.pone.0032602>

Metwaly H, Maruyama S, Yamazaki M, Tsuneki M, Abé T, Jen KY, Cheng J, Saku T

Parenchymal-stromal switching for extracellular matrix production on invasion of oral squamous cell carcinoma

Hum Pathol. 2012 May 9.

[http://linkinghub.elsevier.com/retrieve/pii/S0046-8177\(12\)00063-9](http://linkinghub.elsevier.com/retrieve/pii/S0046-8177(12)00063-9)

Mikšík I, Ergang P, Pácha J:

Proteomic analysis of chicken eggshell cuticle membrane layer

Anal Bioanal Chem. 2014 Oct 11

<http://link.springer.com/article/10.1007/s00216-014-8213-x>

Millar JL, Khan D, Becker MG, Chan A, Dufresne A, Sumner M, Belmonte MF:

Chalazal seed coat development in Brassica napus

Plant Science, Volume 241, December 2015, Pages 45–54

<http://www.sciencedirect.com/science/article/pii/S0168945215300765>

Miller JA, Nathanson J, Franjic D, Shim S, Dalley RA, Shapouri S, Smith KA, Sunkin SM, Bernard A, Bennett JL, Lee CK, Hawrylycz MJ, Jones AR, Amaral DG, Sestan N, Gage FH, Lein ES:

Conserved molecular signatures of neurogenesis in the hippocampal subgranular zone of rodents and primates

Development. 2013 Oct 23.

<http://dev.biologists.org/cgi/pmidlookup?view=long&pmid=24154525>

Minegishi Y, Sakai Y, Yahara Y, Akiyama H, Yoshikawa H, Hosokawa K, Tsumaki N:

Cyp26b1 Within the Growth Plate Regulates Bone Growth in Juvenile Mice

Biochem Biophys Res Commun. 2014 Oct 8. pii: S0006-291X(14)01787-2. doi: 10.1016/j.bbrc.2014.10.001.

<http://www.sciencedirect.com/science/article/pii/S0006291X14017872>

Miwa T, Ohta K, Ito N, Hattori S, Miyakawa T, Takeo T, Nakagata N, Song WJ, Minoda R:

Tsukushi is essential for the development of the inner ear

Mol Brain. 2020 Mar 3;13(1):29. doi: 10.1186/s13041-020-00570-z.

<https://molecularbrain.biomedcentral.com/track/pdf/10.1186/s13041-020-00570-z>

Miyai K, Yonekura Y, Ito K, Matsukuma S, Tsuda H :

Gene expression microarray analysis of adult testicular germ cell tumor: a comparison between pure-type seminomas and seminoma components in mixed tumors

Virchows Arch. 2021 Aug 4. doi: 10.1007/s00428-021-03168-5.

<https://link.springer.com/article/10.1007/s00428-021-03168-5>

Moradi M, Sivadasan R, Saal L, Lüningschrör P, Dombert B, Rathod RJ, Dieterich DC, Blum R, Sendtner M:

Differential roles of α -, β -, and γ -actin in axon growth and collateral branch formation in motoneurons

J Cell Biol. 2017 Feb 28. pii: jcb.201604117. doi: 10.1083/jcb.201604117.

<http://jcb.rupress.org/cgi/pmidlookup?view=long&pmid=28246119>

Müller SK, Bender A, Laub C, Högen T, Schlaudraff F, Liss B, Klopstock T, Elstner M:

Lewy body pathology is associated with mitochondrial DNA damage in Parkinson's disease

Neurobiol Aging. 2013 Apr 6. pii: S0197-4580(13)00116-4. doi: 10.1016/j.neurobiolaging.2013.03.016.

<http://www.sciencedirect.com/science/article/pii/S0197458013001164>

Muñoz-Blat I, Pérez-Moraga R, Castillo-Marco N, Cordero T, Ochando A, Ortega-Sanchís S, Parras M, Monfort-Ortiz R, Satorres-Perez E, Novillo B, Perales A, Gormley M, Granados-Aparici S, Noguera R, Roson B, Fisher SJ, Simón C, Garrido-Gómez T:

Multi-omics-based mapping of decidualization resistance in patients with a history of severe preeclampsia

Nat Med. 2025 Jan 7. doi: 10.1038/s41591-024-03407-7.

<https://doi.org/10.1038/s41591-024-03407-7>

Nawshad, A. and Hay, E.D.:

TGFbeta3 signaling activates transcription of the LEF1 gene to induce epithelial mesenchymal transformation during mouse palate development

J Cell Biol 163(6): 1291-1301 (2003)

<http://jcb.rupress.org/content/163/6/1291.long>

Nagata M, Nuckolls GH, Wang X, Shum L, Seki Y, Kawase T, Takahashi K, Nonaka K, Takahashi I, Noman AA, Suzuki K, Slavkin HC:

The primary site of the acrocephalic feature in Apert Syndrome is a dwarf cranial base with accelerated chondrocytic differentiation due to aberrant activation of the FGFR2 signaling

Bone. 2011 Apr 1;48(4):847-56.

<http://www.thebonejournal.com/article/S8756-3282%2810%2902045-4/abstract>

Nakamura J, Yamamoto T, Takabatake Y, Namba-Hamano T, Takahashi A, Matsuda J, Minami S, Sakai S, Yonishi H, Maeda S, Matsui S, Kawai H, Matsui I, Yamamuro T, Edahiro R, Takashima S, Takasawa A, Okada Y, Yoshimori T, Ballabio A, Isaka Y:

Age-related TFEB downregulation in proximal tubules causes systemic metabolic disorders and occasional apolipoprotein A4-related amyloidosis

JCI Insight. 2024 Dec 19:e184451. doi: 10.1172/jci.insight.184451.

<https://doi.org/10.1172/jci.insight.184451>

Nakatsu MN, Hughes CC:

An optimized three-dimensional in vitro model for the analysis of angiogenesis

Methods Enzymol. 2008;443:65-82.

<http://www.sciencedirect.com/science/article/pii/S0076687908020041>

Nasonkin IO, Merbs SL, Lazo K, Oliver VF, Brooks M, Patel K, Enke RA, Nellissery J, Jamrich M, Le YZ, Bharti K, Fariss RN, Rachel RA, Zack DJ, Rodriguez-Boulant EJ, Swaroop A:

Conditional knockdown of DNA methyltransferase 1 reveals a key role of retinal pigment epithelium integrity in photoreceptor outer segment morphogenesis

Development. 2013 Mar;140(6):1330-41. doi: 10.1242/dev.086603.

<http://dev.biologists.org/cgi/pmidlookup?view=long&pmid=23406904>

Nawshad, A., LaGamba, D., Olsen, B.R., and Hay, E.D.:

Laser capture microdissection (LCM) for analysis of gene expression in specific tissues during embryonic epithelial-mesenchymal transformation

Dev Dyn 230(3): 529-534 (2004)

<http://onlinelibrary.wiley.com/doi/10.1002/dvdy.20064/full>

Neupane S, Adhikari N, Jung JK, An CH, Lee S, Jun JH, Kim JY, Lee Y, Sohn WJ, Kim JY:

Regulation of mesenchymal signaling in palatal mucosa differentiation

Histochem Cell Biol. 2017 Dec 5. doi: 10.1007/s00418-017-1620-2.

<https://dx.doi.org/10.1007/s00418-017-1620-2>

Nishino K, Yamamoto E, Oda Y, Watanabe E, Niimi K, Yamamoto T, Kajiyama H:

Short tandem repeat analysis to identify the causative pregnancy of high-risk gestational trophoblastic neoplasia: molar versus nonmolar pregnancy and its relation to the outcome

Placenta, Available online 2 July 2021, DOI: <https://doi.org/10.1016/j.placenta.2021.06.015>

<https://www.sciencedirect.com/science/article/pii/S0143400421001880>

Nishio M, Kunisaki R, Shibata W, Ajioka Y, Hirasawa K, Takase A, Chiba S, Inayama Y, Ueda W, Okawa K, Otake H, Ogashiwa T, Kinoshita H, Saigusa Y, Kimura H, Kato J, Maeda S:

Serrated polyps in patients with ulcerative colitis: Unique clinicopathological and biological characteristics

PLoS One. 2023 Feb 24;18(2):e0282204. doi: 10.1371/journal.pone.0282204.

<https://doi.org/10.1371/journal.pone.0282204>

Nishioka T, Arima N, Kano K, Hama K, Itai E, Yukiura H, Kise R, Inoue A, Kim SH, Solnica-Krezel L, Moolenaar WH, Chun J, Aoki J:

ATX-LPA1 axis contributes to proliferation of chondrocytes by regulating fibronectin assembly leading to proper cartilage formation

Sci Rep. 2016 Mar 23;6:23433. doi: 10.1038/srep23433.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4804234/>

Noberini R, Bonaldi T :

Mass Spectrometry-Based Analysis of Histone Posttranslational Modifications from Laser Microdissected Samples

Methods Mol Biol. 2023;2718:271-283. doi: 10.1007/978-1-0716-3457-8_15.

https://doi.org/10.1007/978-1-0716-3457-8_15

Noberini R, Savoia EO, Brandini S, Greco F, Marra F, Bertalot G, Pruneri G, McDonnell LA, Bonaldi T:

Spatial epi-proteomics enabled by histone post-translational modification analysis from low-abundance clinical samples

Clin Epigenetics. 2021 Jul 28;13(1):145. doi: 10.1186/s13148-021-01120-7.

<https://clinicalepigeneticsjournal.biomedcentral.com/articles/10.1186/s13148-021-01120-7>

Noelke J, Wistuba J, Damm OS, Fietz D, Gerber J, Gaehle M, Brehm R:

A Sertoli cell-specific connexin43 knockout leads to altered interstitial connexin expression and increased Leydig cell numbers

Cell Tissue Res. 2015 Feb 19

<http://dx.doi.org/10.1007/s00441-015-2126-7>

Noatynska A, Panbianco C, Gotta M.:

SPAT-1/Bora acts with Polo-like kinase 1 to regulate PAR polarity and cell cycle progression

Development. 2010 Oct;137(19):3315-25.

<http://dev.biologists.org/content/137/19/3315.long>

Noberini R, Morales Torres C, Savoia EO, Brandini S, Jodice MG, Bertalot G, Bonizzi G, Capra M, Diaferia G, Scaffidi P, Bonaldi T:

Label-Free Mass Spectrometry-Based Quantification of Linker Histone H1 Variants in Clinical Samples

Int J Mol Sci. 2020 Oct 4;21(19):7330. doi: 10.3390/ijms21197330.

<https://www.mdpi.com/1422-0067/21/19/7330>

Nüsken E, Turnwald EM, Fink G, Voggel J, Yosy C, Kretschmer T, Handwerk M, Wohlfarth M, Weber LT, Hucklenbruch-Rother E, Dötsch J, Nüsken KD, Appel S:

Maternal High Fat Diet and in-Utero Metformin Exposure Significantly Impact upon the Fetal Renal Proteome of Male Mice

J Clin Med. 2019 May 11;8(5). pii: E663. doi: 10.3390/jcm8050663.

<http://www.mdpi.com/resolver?pii=jcm8050663>

Ohkawara B, Kurokawa M, Kanai A, Imamura K, Chen G, Zhang R, Masuda A, Higashi K, Mori H, Suzuki Y, Kurokawa K, Ohno K:

Transcriptome profile of subsynaptic myonuclei at the neuromuscular junction in embryogenesis

J Neurochem. 2023 Nov 23. doi: 10.1111/jnc.16013.

<https://doi.org/10.1111/jnc.16013>

Oichi T, Kodama J, Wilson K, Tian H, Imamura Y, Usami Y, Oshima Y, Saito T, Tnaka S, Iwamoto M, Otsuru S, Iwamoto-Enomoto M:

Nutrient-regulated dynamics of chondroprogenitors in the postnatal murine growth plate

bioRxiv preprint doi: 10.1101/2023.01.20.524764; January 21, 2023

<https://doi.org/10.1101/2023.01.20.524764>

Oliver TRW, Lawson ARJ, Lee-Six H, Tollit A, Jung H, Hooks Y, Sanghvi R, Young MD, Butler TM, Nicola PA, Treger TD, Lensing SV, Burke GAA, Aquilina K, Löbel U, Cortes-Ciriano I, Hargrave D, Jorgensen M, Jessop FA, Coorens THH, Flanagan AM, Allinson K, Martincorena I, Jacques TS, Behjati S:

Cancer-independent somatic mutation of the wild-type NF1 allele in normal tissues in neurofibromatosis type 1

Nat Genet. 2025 Feb 25. doi: 10.1038/s41588-025-02097-2.

<https://doi.org/10.1038/s41588-025-02097-2>

Olsen Hult LT, Kleiveland CR, Fosnes K, Jacobsen M, Lea T:

EP Receptor Expression in Human Intestinal Epithelium and Localization Relative to the Stem Cell Zone of the Crypts

PLoS ONE 6(10): e26816. doi:10.1371/journal.pone.0026816 (2011)

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0026816>

Omatsu-Kanbe M, Nozuchi N, Nishino Y, Mukaisho KI, Sugihara H, Matsuura H:
Identification of cardiac progenitors that survive in the ischemic human heart after ventricular myocyte death

Sci Rep. 2017 Jan 25;7:41318. doi: 10.1038/srep41318.

<http://dx.doi.org/10.1038/srep41318>

Ougaard ME, Sembach FE, Kvist PH, Tonnesen M, Frederiksen KS, Egjford M, Jensen HE, Galsgaard ED

Temporal Regulation of Glomerular and Cortical Tubulointerstitial Genes Involved in the Development of Nephrotoxic Serum Nephritis

Nephron. 2018;140(3):218-230. doi: 10.1159/000492294.

<https://www.karger.com/Article/Abstract/492294>

Paasch TP, Jarlstad Olesen MT, García-Rodríguez JL, Assmus AM, Fenton RA, Kjems J, Hager H, Kristensen LS:

ciRS-7 expression is epigenetically regulated in cancer cells across human adenocarcinomas

PLoS Genet. 2025 Jun 2;21(6):e1011726. doi: 10.1371/journal.pgen.1011726.

<https://doi.org/10.1371/journal.pgen.1011726>

Pareja F, Ptashkin RN, Brown DN, Derakhshan F, Selenica P, da Silva EM, Gazzo AM, Da Cruz Paula A, Breen K, Shen R, Marra A, Zehir A, Benayed R, Berger MF, Ceyhan-Birsoy O, Jairam S, Sheehan M, Patel U, Kemel Y, Casanova-Murphy J, Schwartz CJ, Vahdatinia M, Comen E, Borsu L, Pei X, Riaz N, Abramson DH, Weigelt B, Walsh MF, Hadjantonakis AK, Ladanyi M, Offit K, Stadler ZK, Robson ME, Reis-Filho JS, Mandelker D:

Cancer Causative Mutations Occurring in Early Embryogenesis

Cancer Discov. 2021 Dec 23;candisc.1110.2021. doi: 10.1158/2159-8290.CD-21-1110.

<https://aacrjournals.org/cancerdiscovery/article/doi/10.1158/2159-8290.CD-21-1110/674551/Cancer-Causative-Mutations-Occurring-in-Early>

Pavličev M, Wagner GP, Chavan AR, Owens K, Maziarz J, Dunn-Fletcher C, Kallapur SG, Muglia L, Jones H:

Single-cell transcriptomics of the human placenta: inferring the cell communication network of the maternal-fetal interface

Genome Res. 2017 Feb 7. doi: 10.1101/gr.207597.116.

<http://genome.cshlp.org/cgi/pmidlookup?view=long&pmid=28174237>

Petrželková L:

Vývoj cirkadiálního systému potkana v podmínkách stálého světla

Development of the rat circadian system under constant light conditions

Diploma thesis (Czech language), 2021

<https://dspace.cuni.cz/bitstream/handle/20.500.11956/126237/120385436.pdf>

Phillipps HR, Ladyman SR, and Grattan DR:

Maintained expression of genes associated with metabolism in the ventromedial hypothalamic nucleus

despite development of leptin resistance during pregnancy in the rat

Physiological Reports ISSN 2051-817X

<http://onlinelibrary.wiley.com/doi/10.1002/phy2.162/pdf>

Post F, Hausmann A, Kabatnik S, Steigerwald S, Brand A, Clement DL, Skov J, Löhmussaar K, Larsen HL, Maimets M, Boyce TL, Jez G, Sato T, Steenholdt C, Rosenberger F, Mund A, Nielsen OH, Jensen KB, Mann M:

Deep visual proteomics reveals an in vivo-like phenotype of orthotopically transplanted human colon organoids

Cell Systems 16, 101396, September 17, 2025

<https://doi.org/10.1016/j.cels.2025.101396>

Puttabyatappa M, Guo X, Dou J, Dumesic D, Bakulski KM, Padmanabhan V:

Developmental Programming: Sheep Granulosa and Theca Cell-Specific Transcriptional Regulation by Prenatal Testosterone

Endocrinology. 2020 Jun 9:bqaa094. doi: 10.1210/endocr/bqaa094.

<https://academic.oup.com/endo/advance-article-abstract/doi/10.1210/endocr/bqaa094/5855154>

Qin X, Jiang Q, Nagano K, Moriishi T, Miyazaki T, Komori H, Ito K, Mark KV, Sakane C, Kaneko H, Komori T:

Runx2 is essential for the transdifferentiation of chondrocytes into osteoblasts.

PLoS Genet. 2020 Nov 30;16(11):e1009169. doi: 10.1371/journal.pgen.1009169.

<https://journals.plos.org/plosgenetics/article?id=10.1371/journal.pgen.1009169>

Qin Z, He T, Guo C, Kim JY, Quan T:

CCN1 is predominantly elevated in human skin dermis by solar-simulated ultraviolet irradiation and accumulated in dermal extracellular matrix

J Cell Commun Signal. 2023 May 28. doi: 10.1007/s12079-023-00767-6.

<https://doi.org/10.1007/s12079-023-00767-6>

Qin Z, He T, Guo C, Quan T:

Age-related downregulation of CCN2 is regulated by cell size in a YAP/TAZ-dependent manner in human dermal fibroblasts: impact on dermal aging

JID Innovations, 2022, 100111, ISSN 2667-0267, <https://doi.org/10.1016/j.xjidi.2022.100111>

<https://www.sciencedirect.com/science/article/pii/S2667026722000182>

Qu LH, Zhou X, Li X, Li SS, Zhao J, Zhao P, Liu Y, Sun MX:

The autonomous cell fate specification of basal cell lineage: the initial round of cell fate specification occurs at the two-celled proembryo stage

Plant J. 2017 Jul 3. doi: 10.1111/tpj.13629.

<http://dx.doi.org/10.1111/tpj.13629>

Quan C, Cho MK, Shao Y, Miannecki LE, Liao E, Perry D, Quan T:

Dermal fibroblast expression of stromal cell-derived factor-1 (SDF-1) promotes epidermal keratinocyte proliferation in normal and diseased skin

Protein Cell. 2015 Aug 22.

<http://dx.doi.org/10.1007/s13238-015-0198-5>

Quan T, Qin Z, He T, Fisher GJ:

Integrin $\alpha 11\beta 1$ as a Key Collagen Receptor in Human Skin Dermis: Insight into Fibroblast Function and Skin Dermal Aging

J Invest Dermatol. 2025 Mar 24:S0022-202X(25)00364-1. doi: 10.1016/j.jid.2025.03.006

<https://doi.org/10.1016/j.jid.2025.03.006>

Reglodi D, Jungling A, Longuespée R, Kriegsmann J, Casadonte R, Kriegsmann M, Juhasz T, Bardosi S, Tamas A, Fulop BD, Kovacs K, Nagy Z, Sparks J, Miseta A, Mazzucchelli G, Hashimoto H, Bardosi A:

Accelerated pre-senile systemic amyloidosis in PACAP knockout mice - a protective role of PACAP in age-related degenerative processes

J Pathol. 2018 May 17. doi: 10.1002/path.5100.

<http://dx.doi.org/10.1002/path.5100>

Riche S, Zouak M, Argoul F, Arneodo A, Pecreaux J, Delattre M:

Evolutionary comparisons reveal a positional switch for spindle pole oscillations in *Caenorhabditis* embryos

J Cell Biol. 2013 May 20.

<http://jcb.rupress.org/cgi/pmidlookup?view=long&pmid=23690175>

Robson A, Lash GE, Innes BA, Zhang JY, Robson SC, Bulmer JN

Uterine spiral artery muscle dedifferentiation

Hum Reprod. 2019 Jul 26. pii: dez124. doi: 10.1093/humrep/dez124.

<https://academic.oup.com/humrep/advance-article-abstract/doi/10.1093/humrep/dez124/5539653>

Rosenwald, A., Wright, G., Leroy, K., Yu, X., Gaulard, P., Gascoyne, R.D., Chan, W.C., Zhao, T., Haioun, C., Greiner, T.C., Weisenburger, D.D., Lynch, J.C., Vose, J., Armitage, J.O., Smeland, E.B., Kvaloy, S., Holte, H., Delabie, J., Campo, E., Montserrat, E., Lopez-Guillermo, A., Ott, G., Muller-Hermelink, H.K., Connors, J.M., Brazier, R., Grogan, T.M., Fisher, R.I., Miller, T.P., LeBlanc, M., Chiorazzi, M., Zhao, H., Yang, L., Powell, J., Wilson, W.H., Jaffe, E.S., Simon, R., Klausner, R.D., and Staudt, L.M.:

Molecular diagnosis of primary mediastinal B cell lymphoma identifies a clinically favorable subgroup of diffuse large B cell lymphoma related to Hodgkin lymphoma

J Exp Med 198(6): 851-862 (2003)

<http://jem.rupress.org/content/198/6/851.long>

Roy A, Deng M, Aldinger KA, Glass IA, Millen KJ:

Laser Capture Micro-dissection (LCM) of Neonatal Mouse Forebrain for RNA Isolation

Bio-protocol, Vol 10, Iss 1, January 05, 2020; DOI: 10.21769/BioProtoc.3475

<https://bio-protocol.org/e3475>

Sadeghi Z, Kenyon JD, Richardson B, Khalifa AO, Cartwright M, Conroy B, Caplan A, Cameron MJ, Hijaz A:

Transcriptomic Analysis of Human Mesenchymal Stem Cell Therapy in Incontinent Rat Injured Urethra

Tissue Eng Part A. 2020 Jul 2. doi: 10.1089/ten.tea.2020.0033.

<https://www.liebertpub.com/doi/10.1089/ten.tea.2020.0033>

Saint-Geniez M, Jiang A, Abend S, Liu L, Sweigard H, Connor KM, Arany Z:

PGC-1 α Regulates Normal and Pathological Angiogenesis in the Retina

The American Journal of Pathology - 09 November 2012 (10.1016/j.ajpath.2012.09.003)

<http://www.journals.elsevierhealth.com/periodicals/ajpa/article/S0002-9440%2812%2900714-6/fulltext>

Sarper SE, Inubushi T, Kurosaka H, Ono Minagi H, Kuremoto KI, Sakai T, Taniuchi I, Yamashiro T:

Runx1-Stat3 signaling regulates the epithelial stem cells in continuously growing incisors

Sci Rep. 2018 Jul 19;8(1):10906. doi: 10.1038/s41598-018-29317-6

<http://dx.doi.org/10.1038/s41598-018-29317-6>

Sasaki L, Hamada Y, Yarimizu D, Suzuki T, Nakamura H, Shimada A, Nguyen Pham KT, Shao X, Yamamura K, Inatomi T, Morinaga H, Nishimura EK, Kudo F, Manabe I, Haraguchi S, Sugiura Y, Suematsu M, Kinoshita S, Machida M, Nakajima T, Kiyonari H, Okamura H, Yamaguchi Y, Miyake T, and Doi M:

Intracrine activity involving NAD-dependent circadian steroidogenic activity governs age-associated meibomian gland dysfunction

Nat Aging (10 Feb 2022). <https://doi.org/10.1038/s43587-021-00167-8>

<https://www.nature.com/articles/s43587-021-00167-8>

Sato, Y., Higuchi, T., Yoshioka, S., Tatsumi, K., Fujiwara, H., and Fujii, S.:

Trophoblasts acquire a chemokine receptor, CCR1, as they differentiate towards invasive phenotype

Development 130(22): 5519-5532 (2003)

<http://dev.biologists.org/content/130/22/5519.long>

Satoh A, Brace CS, Rensing N, Imai S:

Deficiency of Prdm13, a dorsomedial hypothalamus-enriched gene, mimics age-associated changes in sleep quality and adiposity

Aging Cell. 2014 Dec 25. doi: 10.1111/ace.12299.

<http://onlinelibrary.wiley.com/doi/10.1111/ace.12299/pdf>

Schellong K, Melchior K, Ziska T, Ott R, Henrich W, Rancourt RC, Plagemann A:

Hypothalamic insulin receptor expression and DNA promoter methylation are sex-specifically altered in adult offspring of high-fat diet (HFD)-overfed mother rats

The Journal of Nutritional Biochemistry, 10 Feb 2019, <https://doi.org/10.1016/j.jnutbio.2019.01.014>

<https://www.sciencedirect.com/science/article/pii/S0955286318311392>

Schellong K, Melchior K, Ziska T, Ott R, Henrich W, Rancourt RC, Plagemann A:

Sex-specific epigenetic alterations of the hypothalamic AgRP-Pomc system do not explain 'diabesity' in the offspring of high-fat diet (HFD) overfed maternal rats

The Journal of Nutritional Biochemistry, Available online 23 October 2019, 108257

<https://www.sciencedirect.com/science/article/abs/pii/S0955286319305340>

Schillebeeckx M, Schrade A, Löbs AK, Pihlajoki M, Wilson DB, Mitra RD:

Laser capture microdissection-reduced representation bisulfite sequencing (LCM-RRBS) maps changes in DNA methylation associated with gonadectomy-induced adrenocortical neoplasia in the mouse

Nucleic Acids Res. 2013 Apr 15.

<http://nar.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=23589626>

Schrader JM, Xu F, Zhu X, Majchrzak M, Davis J, Van Nostrand WE:

Parenchymal and Dyschoric Fibrillar Amyloid Pathology in the rTg-D Rat Model of Cerebral Amyloid Angiopathy Type-2

Am J Pathol. 2025 Jul 17:S0002-9440(25)00241-X. doi: 10.1016/j.ajpath.2025.06.008.

<https://doi.org/10.1016/j.ajpath.2025.06.008>

Schwartz AG, Long F, Thomopoulos S:

Enthesis fibrocartilage cells originate from a population of Hedgehog-responsive cells modulated by the loading environment

Development. 2015 Jan 1;142(1):196-206. doi: 10.1242/dev.112714.

<http://dev.biologists.org/cgi/pmidlookup?view=long&pmid=25516975>

Seedat F, Holden K, Davis S, Fischer R, Bancroft J, Drydale E, Kandzija N, Todd JA, Vatish M, Stefana MI:

A new paradigm of islet adaptations in human pregnancy: insights from immunohistochemistry and proteomics.

Nat Commun. 2025 Jul 21;16(1):6687. doi: 10.1038/s41467-025-61852-5.

<https://doi.org/10.1038/s41467-025-61852-5>

Sene A, Khan AA, Cox D, Nakamura RE, Santeford A, Kim BM, Sidhu R, Onken MD, Harbour JW, Hagbi-Levi S, Chowdhury I, Edwards PA, Baldan A, Parks JS, Ory DS, Apte RS:

Impaired cholesterol efflux in senescent macrophages promotes age-related macular degeneration

Cell Metab. 2013 Apr 2;17(4):549-61. doi: 10.1016/j.cmet.2013.03.009

[http://linkinghub.elsevier.com/retrieve/pii/S1550-4131\(13\)00113-7](http://linkinghub.elsevier.com/retrieve/pii/S1550-4131(13)00113-7)

Senevirathne G, Shubin NH:

Molecular basis of urostyle development in frogs: genes and gene regulation underlying an evolutionary novelty

Open Biol. 2024 Aug;14(8):240111. doi: 10.1098/rsob.240111.

<https://doi.org/10.1098/rsob.240111>

Shan L, Wu C, Chen D, Hou L, Li X, Wang L, Chu X, Hou Y, Wang Z:

Regulators of alternative polyadenylation operate at the transition from mitosis to meiosis

Journal of Genetics and Genomics, (2017), doi: 10.1016/j.jgg.2016.12.007

<http://www.sciencedirect.com/science/article/pii/S1673852717300176>

Shao F, Phan AV, Yu W, Guo Y, Thompson J, Coppinger C, Venugopalan SR, Amendt BA, Van Otterloo E, Cao H:

Transcriptional programs of Pitx2 and Tfp2a/Tfp2b controlling lineage specification of mandibular epithelium during tooth initiation

PLoS Genet. 2024 Jul 25;20(7):e1011364. doi: 10.1371/journal.pgen.1011364.

<https://doi.org/10.1371/journal.pgen.1011364>

Shi D, Jouannet V, Agusti J, Kaul V, Levitsky V, Mironova VV, Sanchez P, Greb T :

Tissue-specific transcriptome profiling of the Arabidopsis thaliana inflorescence stem reveals local cellular signatures

bioRxiv, 11 Feb 2020, doi: <https://doi.org/10.1101/2020.02.10.941492>

<https://www.biorxiv.org/content/biorxiv/early/2020/02/10/2020.02.10.941492.full.pdf>

Shin JO, Nakagawa E, Kim EJ, Cho KW, Lee JM, Cho SW, Jung HS

miR-200b regulates cell migration via Zeb family during mouse palate development

Histochem Cell Biol. 2012 Jan 20. [Epub ahead of print]

<http://dx.doi.org/10.1007/s00418-012-0915-6>

Sinha D, Klise A, Sergeev Y, Hose S, Bhutto IA, Hackler L Jr, Malpic-Llanos T, Samtani S, Grebe R, Goldberg MF, Hejtmancik JF, Nath A, Zack DJ, Fariss RN, McLeod DS, Sundin O, Broman KW, Luty GA, Zigler JS Jr:

betaA3/A1-crystallin in astroglial cells regulates retinal vascular remodeling during development

Mol Cell Neurosci. 2008 Jan;37(1):85-95.

[http://linkinghub.elsevier.com/retrieve/pii/S1044-7431\(07\)00201-1](http://linkinghub.elsevier.com/retrieve/pii/S1044-7431(07)00201-1)

Sinha N, Zahra T, Gahane AY, Rout B, Bhattacharya A, Basu S, Chakrabarti A, Thakur AK:

Protein reservoirs of seeds are amyloid composites employed differentially for germination and seedling emergence

Plant J. 2023 Oct;116(2):329-346. doi: 10.1111/tpj.16429.

<https://doi.org/10.1111/tpj.16429>

Song N, Endo D, Song B, Shibata Y, Koji T:

5-aza-2'-deoxycytidine impairs mouse spermatogenesis at multiple stages through different usage of DNA methyltransferases

Toxicology. 2016 Jul 7;361-362:62-72. doi: 10.1016/j.tox.2016.07.005.

[http://linkinghub.elsevier.com/retrieve/pii/S0300-483X\(16\)30122-6](http://linkinghub.elsevier.com/retrieve/pii/S0300-483X(16)30122-6)

Song S, Ma D, Xu C, Guo Z, Li J, Song L, Wei M, Zhang L, Zhong YH, Zhang YC, Liu JW, Chi B, Wang J, Tang H, Zhu X, Zheng HL:

In silico analysis of NAC gene family in the mangrove plant Avicennia marina provides clues for adaptation to intertidal habitats

Plant Mol Biol. 2023 Jan 16. doi: 10.1007/s11103-023-01333-9.

<https://link.springer.com/article/10.1007/s11103-023-01333-9>

Spilker AC, Rabilotta A, Zbinden C, Labbé JC, Gotta M:

MAP kinase signaling antagonizes PAR-1 function during polarization of the early Caenorhabditis elegans embryo

Genetics. 2009 Nov;183(3):965-77

<http://www.genetics.org/content/183/3/965.long>

Stahl A, Joyal JS, Chen J, Sapieha P, Juan AM, Hatton CJ, Pei DT, Hurst CG, Seaward MR, Krah NM, Dennison RJ, Greene ER, Boscolo E, Panigrahy D, Smith LE:

SOCS3 is an endogenous inhibitor of pathologic angiogenesis

Blood. 2012 Jul 12.

<http://bloodjournal.hematologylibrary.org/cgi/pmidlookup?view=long&pmid=22791286>

Stanke, M., Duong, C.V., Pape, M., Geissen, M., Burbach, G., Deller, T., Gascan, H., Otto, C., Parlato, R., Schutz, G., and Rohrer, H.:

Target-dependent specification of the neurotransmitter phenotype: cholinergic differentiation of sympathetic neurons is mediated in vivo by gp 130 signaling

Development 133(1): 141-150 (2006)

<http://dev.biologists.org/content/133/1/141.long>

Stauber M, Weidemann M, Dittrich-Breiholz O, Lobschat K, Alten L, Mai M, Beckers A, Kracht M, Gossler A:

Identification of FOXJ1 effectors during ciliogenesis in the foetal respiratory epithelium and embryonic left-right organiser of the mouse

Dev Biol. 2016 Nov 30. pii: S0012-1606(16)30313-X. doi: 10.1016/j.ydbio.2016.11.019.

[https://linkinghub.elsevier.com/retrieve/pii/S0012-1606\(16\)30313-X](https://linkinghub.elsevier.com/retrieve/pii/S0012-1606(16)30313-X)

Sumino J, Uzawa N, Okada N, Miyaguchi K, Mogushi K, Takahashi KI, Sato H, Michikawa C, Nakata Y, Tanaka H, Amagasa T:

Gene expression changes in initiation and progression of oral squamous cell carcinomas revealed by laser microdissection and oligonucleotide microarray analysis

Int J Cancer. 2012 Jun 28. doi: 10.1002/ijc.27702.

<http://dx.doi.org/10.1002/ijc.27702>

Sun BK, Boxer LD, Ransohoff JD, Siprashvili Z, Qu K, Lopez-Pajares V, Hollmig ST, Khavari PA :
CALML5 is a ZNF750- and TINCR-induced protein that binds stratifin to regulate epidermal differentiation

Genes Dev. 2015 Nov 1;29(21):2225-30. doi: 10.1101/gad.267708.115.

<http://www.genesdev.org/cgi/pmidlookup?view=long&pmid=26545810>

Sung CYW, Li M, Jonjic S, Sanchez V, Britt WJ:

Cytomegalovirus infection lengthens the cell cycle of granule cell precursors during postnatal cerebellar development

JCI Insight. 2024 Jun 10;9(11):e175525. doi: 10.1172/jci.insight.175525.

<https://doi.org/10.1172/jci.insight.175525>

Svec J, Ergang P, Mandys V, Kment M, Pácha J:

Expression profiles of proliferative and antiapoptotic genes in sporadic and colitis-related mouse colon cancer models

Int J Exp Pathol 91(1):44-53 (2010)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2613.2009.00698.x/full>

Suzuki T:

Overview of single-cell RNA sequencing analysis and its application to spermatogenesis research

Reprod Med Biol. 2023;22:e12502.

<https://doi.org/10.1002/rmb2.12502>

Ta KN, Yoshida MW, Tezuka T, Shimizu-Sato S, Nosaka-Takahashi M, Toyoda A, Suzuki T, Goshima G, Sato Y:

Control of plant cell growth and proliferation by MO25A, a conserved major component of the Mammalian Sterile20-like kinase pathway

Plant Cell Physiol. 2023 Jan 13:pcad005. doi: 10.1093/pcp/pcad005.

<https://doi.org/10.1093/pcp/pcad005>

Takahashi H, Ohkuchi A, Kuwata T, Usui R, Baba Y, Suzuki H, Chaw Kyi TT, Matsubara S, Saito S, Takizawa T:

Endogenous and exogenous miR-520c-3p modulates CD44-mediated extravillous trophoblast invasion

Placenta, YPLAC 3529: S0143-4004(16)30663-4, 2016 Dec 13

[http://www.placentajournal.org/article/S0143-4004\(16\)30663-4/abstract](http://www.placentajournal.org/article/S0143-4004(16)30663-4/abstract)

Takahashi K, Yamada T, Tsukita S, Kaneko K, Shirai Y, Munakata Y, Ishigaki Y, Imai J, Uno K, Hasegawa Y, Sawada S, Oka Y, Katagiri H:

Chronic mild stress alters circadian expressions of molecular clock genes in the liver

Am J Physiol Endocrinol Metab. 2012 Dec 4.

<http://ajpendo.physiology.org/cgi/pmidlookup?view=reprint&pmid=23211520>

Takeda H, Miwa T, Kim MY, Choi BY, Orita Y, Minoda R:

Prenatal electroporation-mediated gene transfer restores Slc26a4 knock-out mouse hearing and vestibular function

Sci Rep. 2019 Nov 29;9(1):17979. doi: 10.1038/s41598-019-54262-3.

<https://www.nature.com/articles/s41598-019-54262-3>

Takeuchi A, Takahashi Y, Iida K, Hosokawa M, Irie K, Ito M, Brown JB, Ohno K, Nakashima K, Hagiwara M:

Identification of Qk as a Glial Precursor Cell Marker that Governs the Fate Specification of Neural Stem Cells to a Glial Cell Lineage

Stem Cell Reports. 2020 Sep 7:S2213-6711(20)30341-6. doi: 10.1016/j.stemcr.2020.08.010.

<https://www.sciencedirect.com/science/article/pii/S2213671120303416>

Tanaka Y, Kadota S, Zhao J, Kobayashi H, Okano S, Izumi M, Honda Y, Ichimura H, Shiba N, Uemura T, Wada Y, Chuma S, Nakada T, Tohyama S, Fukuda K, Yamada M, Seto T, Kuwahara K, Shiba Y:

Mature human induced pluripotent stem cell-derived cardiomyocytes promote angiogenesis through alpha-B crystallin

Stem Cell Res Ther. 2023 Sep 7;14(1):240. doi: 10.1186/s13287-023-03468-4.

<https://doi.org/10.1186/s13287-023-03468-4>

Teixeira VH, Nadarajan P, Graham TA, Pipinikas CP, Brown JM, Falzon M, Nye E, Poulsom R, Lawrence D, Wright NA, McDonald S, Giangreco A, Simons BD, Janes SM:

Stochastic homeostasis in human airway epithelium is achieved by neutral competition of basal cell progenitors

Elife. 2013 Oct 22;2:e00966. doi: 10.7554/eLife.00966.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3804062/>

Telezhkin V, Straccia M, Yarova P, Pardo M, Yung S, Vinh NN, Hancock JM, Barriga GG, Brown DA, Rosser AE, Brown JT, Canals JM, Randall AD, Allen ND, Kemp PJ:

Kv7 channels are upregulated during striatal neuron development and promote maturation of human iPSC-derived neurons

Pflugers Arch. 2018 May 24. doi: 10.1007/s00424-018-2155-7.

<https://dx.doi.org/10.1007/s00424-018-2155-7>

Tezuka Y, Eguchi-Ishimae M, Ozaki E, Ito T, Ishii E, Eguchi M:

Activation of fibroblast growth factor-inducible 14 in the early phase of childhood IgA nephropathy

PLoS One. 2021 Oct 1;16(10):e0258090. doi: 10.1371/journal.pone.0258090. eCollection 2021.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0258090>

Thakare D, Yang R, Steffen JG, Zhan J, Wang D, Clark RM, Wang X, Yadegari R:

RNA-Seq analysis of laser-capture microdissected cells of the developing central starchy endosperm of maize

Genomics Data, Volume 2, December 2014, Pages 242–245

<http://www.sciencedirect.com/science/article/pii/S2213596014000610>

Thyagarajan K, Afshar K, Gönczy P:

Polarity mediates asymmetric trafficking of the G β heterotrimeric G-protein subunit GPB-1 in *C. elegans* embryos

Development. 2011 Jul;138(13):2773-82

<http://dev.biologists.org/content/138/13/2773.abstract>

Tokizane K, Brace CS, Imai SI:

DMH^{Ppp1r17} neurons regulate aging and lifespan in mice through hypothalamic-adipose inter-tissue communication

Cell Metab. 2024 Jan 1:S1550-4131(23)00462-X. doi: 10.1016/j.cmet.2023.12.011.

<https://doi.org/10.1016/j.cmet.2023.12.011>

Tsutsui S, Yoshinaga T, Komiya K, Yamashita H, Nakamura O:

Differential expression of skin mucus C-type lectin in two freshwater eel species, *Anguilla marmorata* and *Anguilla japonica*

Dev Comp Immunol. 2016 Mar 26. pii: S0145-305X(16)30115-X. doi: 10.1016/j.dci.2016.03.027.

[http://linkinghub.elsevier.com/retrieve/pii/S0145-305X\(16\)30115-X](http://linkinghub.elsevier.com/retrieve/pii/S0145-305X(16)30115-X)

Tu T, Gao Z, Li L, Chen J, Ye K, Xu T, Mai S, Han Q, Chen C, Wu S, Dong Y, Chen J, Huang L, Guan Y, Xie F, Chen X:

Soybean symbiotic-nodule zonation and cell differentiation are defined by NIN2 signaling and GH3-dependent auxin homeostasis

Dev Cell. 2024 Jul 17:S1534-5807(24)00424-6. doi: 10.1016/j.devcel.2024.07.001.

<https://doi.org/10.1016/j.devcel.2024.07.001>

Uemasu K, Tanabe N, Tanimura K, Hasegawa K, Mizutani T, Hamakawa Y, Sato S, Ogawa E, Thomas MJ, Ikegami M, Muro S, Hirai T, Sato A:

Serine Protease Imbalance in the Small Airways and Development of Centrilobular Emphysema in COPD

Am J Respir Cell Mol Biol. 2020 Feb 26. doi: 10.1165/rcmb.2019-0377OC.

<https://www.atsjournals.org/doi/abs/10.1165/rcmb.2019-0377OC>

Valdes DS, Nimo J, Nonn, O, Ulrich J, Forstner D, Haider S, Ressler M, Pignitter M, Muller DN, Dechend R, Gauster M, Coscia F, Herse F:

Maternal smoking in early pregnancy disrupts placental function through syncytiotrophoblast and macrophage dysregulation

bioRxiv, July 15, 2025.

<https://doi.org/10.1101/2025.07.10.664172>

van Delft P:

Mechanotransduction in migrating cortical interneurons during neurogenesis

thesis, 2025

<http://hdl.handle.net/2268.2/23270>

van Vliet MM, Boers RG, Boers JB, Schäffers OJM, van der Meeren LE, Gribnau J, Schoenmakers S, Steegers-Theunissen RPM:

Profiling (placental) DNA methylation in cell-free DNA across gestation: the Rotterdam Periconception Cohort

Mol Hum Reprod. 2025 May 8:gaaf011. doi: 10.1093/molehr/gaaf011.

<https://doi.org/10.1093/molehr/gaaf011>

Verckist L, Lembrechts R, Thys S, Pintelon I, Timmermans JP, Brouns I, Adriaensen D:
Selective gene expression analysis of the neuroepithelial body microenvironment in postnatal lungs with special interest for potential stem cell characteristics
Respir Res. 2017 May 8;18(1):87. doi: 10.1186/s12931-017-0571-4.
<https://respiratory-research.biomedcentral.com/articles/10.1186/s12931-017-0571-4>

Volle, D.H., Duggavathi, R., Magnier, B.C., Houten, S.M., Cummins, C.L., Lobaccaro, J.M., Verhoeven, G., Schoonjans, K., and Auwerx, J.:
The small heterodimer partner is a gonadal gatekeeper of sexual maturation in male mice
Genes Dev 21(3): 303-315 (2007)
<http://genesdev.cshlp.org/content/21/3/303.long>

Waberski D, Schäfer J, Bölling A, Scheld M, Henning H, Hambruch N, Schuberth HJ, Pfarrer C, Wrenzycki C, Hunter RHF
Seminal plasma modulates the immune-cytokine network in the porcine uterine tissue and pre-ovulatory follicles
PLoS One. 2018 Aug 28;13(8):e0202654. doi: 10.1371/journal.pone.0202654. eCollection 2018.
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0202654>

Wang D, Guo C, Li Y, Zhou M, Wang H, Liu J, Chen P:
Estrogen upregulates DNMT1 and leads to the hypermethylation of RUNX3 in the malignant transformation of ovarian endometriosis
Reproductive BioMedicine Online(2021), doi:<https://doi.org/10.1016/j.rbmo.2021.06.030>
<https://www.sciencedirect.com/science/article/pii/S1472648321003527>

Wang F, Zhao S, Deng D, Wang W, Xu X, Liu X, Zhao S, Yu M:
Integrating LCM-Based Spatio-Temporal Transcriptomics Uncovers Conceptus and Endometrial Luminal Epithelium Communication that Coordinates the Conceptus Attachment in Pigs
Int J Mol Sci. 2021 Jan 27;22(3):1248. doi: 10.3390/ijms22031248.
<https://www.mdpi.com/resolver?pii=ijms22031248>

Wang P, Du S, Guo C, Ni Z, Huang Z, Deng N, Bao H, Deng W, Lu J, Kong S, Zhang H, Wang H:
The presence of blastocyst within the uteri facilitates luminal epithelium transformation for implantation via upregulating lysosome proteostasis activity
Autophagy. 2023 Aug 22;1-18. doi: 10.1080/15548627.2023.2247747.
<https://doi.org/10.1080/15548627.2023.2247747>

Wang R, Dang, P, Niu Z:
Expression of the matrix gla protein (MGP) gene in different developmental stages of mouse mandibular first molar root
Biomedical Research, Jun 2017
<http://www.alliedacademies.org/articles/expression-of-the-matrix-gla-protein-mgp-gene-in-different-developmental-stages-of-mouse-mandibular-first-molar-root.html>

Wang Y, Masaki T, Khan SG, Tamura D, Kuschal C, Rogers M, DiGiovanna JJ, Kraemer KH:
Four-dimensional, dynamic mosaicism is a hallmark of normal human skin that permits mapping of the organization and patterning of human epidermis during terminal differentiation
PLoS One. 2018 Jun 13;13(6):e0198011. doi: 10.1371/journal.pone.0198011. eCollection 2018.
<http://dx.plos.org/10.1371/journal.pone.0198011>

Wang Z, Liu CH, Huang S, Fu Z, Tomita Y, Britton WR, Cho SS, Chen CT, Sun Y, Ma JX, and Chen J:
Wnt signaling activates MFSD2A to suppress vascular endothelial transcytosis and maintain blood-retinal barrier
Science Advances 28 Aug 2020: Vol. 6, no. 35, eaba7457; DOI: 10.1126/sciadv.aba7457

<https://advances.sciencemag.org/content/advances/6/35/eaba7457.full.pdf>

Wang Z, Yemanyi F, Blomfield AK, Bora K, Huang S, Liu CH, Britton WR, Cho SS, Tomita Y, Fu Z, Ma JX, Li WH, Chen J:

Amino acid transporter SLC38A5 regulates developmental and pathological retinal angiogenesis

Elife. 2022 Dec 1;11:e73105. doi: 10.7554/eLife.73105.

<https://elifesciences.org/articles/73105.pdf>

Welsh IC, Thomsen M, Gludish DW, Alfonso-Parra C, Bai Y, Martin JF, Kurpios NA:

Integration of Left-Right Pitx2 Transcription and Wnt Signaling Drives Asymmetric Gut Morphogenesis via Daam2

Dev Cell. 2013 Sep 30;26(6):629-44. doi: 10.1016/j.devcel.2013.07.019.

[http://linkinghub.elsevier.com/retrieve/pii/S1534-5807\(13\)00449-8](http://linkinghub.elsevier.com/retrieve/pii/S1534-5807(13)00449-8)

Williams, E.O., Xiao, Y., Sickles, H.M., Shafer, P., Yona, G., Yang, J.Y., and Lin, D.M.:

Novel subdomains of the mouse olfactory bulb defined by molecular heterogeneity in the nascent external plexiform and glomerular layers

BMC Dev Biol 7: 48 (2007)

<http://www.biomedcentral.com/1471-213X/7/48>

Wolf L, Harrison W, Huang J, Xie Q, Xiao N, Sun J, Kong L, Lachke SA, Kuracha MR, Govindarajan V, Brindle PK, Ashery-Padan R, Beebe DC, Overbeek PA, and Cvekl A:

Histone posttranslational modifications and cell fate determination: lens induction requires the lysine acetyltransferases CBP and p300

Nucl. Acids Res., Sep 12, 2013 doi:10.1093/nar/gkt824

<http://nar.oxfordjournals.org/content/early/2013/09/12/nar.gkt824.full>

Woronik A, Kiontke K, Jallad RS, Herrera RA, Fitch DHA:

Laser Microdissection for Species-agnostic Single-tissue Applications

J Vis Exp. 2022 Mar 31;(181). doi: 10.3791/63666.

<https://www.jove.com/de/t/63666/laser-microdissection-for-species-agnostic-single-tissue-applications>

Wu D-D, Lau ATY, Xu Y-M, Reinders-Luinge M, Koncz M, Kiss A, Timens W, Rots MG, and Hylkema MN:
Targeted epigenetic silencing of UCHL1 expression suppresses collagen-1 production in human lung epithelial cells

Epigenetics 2023, VOL. 18, NO. 1, 2175522

<https://doi.org/10.1080/15592294.2023.2175522>

Xie L, Mouillet JF, Chu T, Parks WT, Sadovsky E, Knöfler M, Sadovsky Y:

C19MC microRNAs Regulate the Migration of Human Trophoblasts

Endocrinology. 2014 Sep 11;en20141501.

<http://press.endocrine.org/doi/pdf/10.1210/en.2014-1501>

Xu Y, Jiang S, Hu Y, Zhang Q, Su W:

TGF- β 3 induces lactate production in Sertoli cell through inhibiting Notch pathway

Andrology. 2022 Sep 4. doi: 10.1111/andr.13288.

<https://doi.org/10.1111/andr.13288>

Xu Y, Wu W, Fan Y, Jiang S, Jia X, Su W:

MiR-142-3p Inhibits TGF- β 3-Induced Blood-Testis Barrier Impairment by Targeting Lethal Giant Larvae Homolog 2

Cell Physiol Biochem. 2018 Mar 22;46(1):253-268. doi: 10.1159/000488427.

<https://www.karger.com/Article/Pdf/488427>

Xue Y, Liu L, Zhang Y, He Y, Wang J, Ma Z, Li TJ, Zhang J, Huang Y, Gao YQ:

Unraveling the key role of chromatin structure in cancer development through epigenetic landscape characterization of oral cancer

Mol Cancer. 2024 Sep 6;23(1):190. doi: 10.1186/s12943-024-02100-0.

<https://doi.org/10.1186/s12943-024-02100-0>

Yamada T, Akamatsu H, Hasegawa S, Inoue Y, Date Y, Mizutani H, Yamamoto N, Matsunaga K, Nakata S:

Melanocyte stem cells express receptors for canonical Wnt-signaling pathway on their surface

Biochem Biophys Res Commun. 2010 Jun 11;396(4):837-42. doi: 10.1016/j.bbrc.2010.04.167.

[http://linkinghub.elsevier.com/retrieve/pii/S0006-291X\(10\)00875-2](http://linkinghub.elsevier.com/retrieve/pii/S0006-291X(10)00875-2)

Yamada T, Hasegawa S, Miyachi K, Date Y, Inoue Y, Yagami A, Arima M, Iwata Y, Yamamoto N, Nakata S, Matsunaga K, Sugiura K, Akamatsu H:

Laminin-332 regulates differentiation of human interfollicular epidermal stem cells

Mech Ageing Dev. 2018 Mar 16. pii: S0047-6374(17)30259-2. doi: 10.1016/j.mad.2018.03.007.

<https://www.sciencedirect.com/science/article/pii/S0047637417302592>

Yanai R, Mulki L, Hasegawa E, Takeuchi K, Sweigard H, Suzuki J, Gaissert P, Vavvas DG, Sonoda KH, Rothe M, Schunck WH, Miller JW, Connor KM:

Cytochrome P450-generated metabolites derived from ω -3 fatty acids attenuate neovascularization

PNAS (2014), DOI: 10.1073/pnas.1401191111

<http://www.pnas.org/content/early/2014/06/11/1401191111.full.pdf>

Yang M, Tao X, Shiny T, Zhao T, Scott RT, Seli E:

Analysis of accessible chromatin landscape in the inner cell mass and trophectoderm of human blastocysts

Mol Hum Reprod. 2020 Jul 14;gaaa048. doi: 10.1093/molehr/gaaa048.

<https://academic.oup.com/molehr/article-lookup/doi/10.1093/molehr/gaaa048>

Yao J, Zuo H, Gao J, Wang M, Wang D, Li X:

The effects of IGF-1 on mouse spermatogenesis using an organ culture method

Biochem Biophys Res Commun. 2017 May 25. pii: S0006-291X(17)31018-5.

<http://www.sciencedirect.com/science/article/pii/S0006291X17310185>

Yazawa R, Takeuchi Y, Morita T, Ishida M, and Yoshizaki G:

The Pacific bluefin tuna (*Thunnus orientalis*) dead end gene is suitable as a specific molecular marker of type A spermatogonia

Mol. Reprod. Dev., 2013, 1098-2795

<http://dx.doi.org/10.1002/mrd.22224>

Yoshida N, Inubushi T, Hirose T, Aoyama G, Kurosaka H, Yamashiro T:

The roles of JAK2/STAT3 signaling in fusion of the secondary palate

Dis Model Mech. 2023 Oct 1;16(10):dmm050085. doi: 10.1242/dmm.050085.

<https://doi.org/10.1242/dmm.050085>

Yoshida Y, Inubushi T, Yokoyama M, Nag P, Sasaki JI, Oka A, Murotani T, Kani R, Shiraishi Y, Kurosaka H, Takahata Y, Nishimura R, Imazato S, Papagerakis P, Yamashiro T:

Slc26a2-mediated sulfate metabolism is significant for the tooth development

Dis Model Mech dmm.052107. 7 Nov 2024

<https://doi.org/10.1242/dmm.052107>

Yoshikay-Benitez DA, Ohira K, Banerjee K, Fujita K, Shigeto J, and Tsutsumi Y:

The Populus alba cationic cell-wall-bound peroxidase (CWPO-C) regulates plant growth, lignin content and composition in poplar

J Wood Sci 69, 12 (2023).

<https://doi.org/10.1186/s10086-023-02086-1>

Zhang C, Large MJ, Duggavathi R, Demayo FJ, Lydon JP, Schoonjans K, Kovanci E, Murphy BD:

Liver receptor homolog-1 is essential for pregnancy

Nat Med. 2013 Jun 30. doi: 10.1038/nm.3192.

<http://www.nature.com/nm/journal/vaop/ncurrent/full/nm.3192.html>

Zhang L, Xu Z, Jing J, Chai G, Xie G, Ru Y, Lv Q, Zuo X, Zhang Q, Chen J, Jin H, Liu N, Kong M, Shen B, Liu M, Jiang L, Wang X, Zhang Y, Jiang M:

Age-dependent accumulation of mitochondrial tRNA mutations in mouse kidneys linked to mitochondrial kidney diseases

Nat Aging. 2025 Jun 27. doi: 10.1038/s43587-025-00909-y.

<https://doi.org/10.1038/s43587-025-00909-y>

Zhang S, Thakare D, Yadegari R:

Laser-Capture Microdissection of Maize Kernel Compartments for RNA-Seq-Based Expression Analysis

Methods Mol Biol. 2018;1676:153-163. doi: 10.1007/978-1-4939-7315-6_9.

https://dx.doi.org/10.1007/978-1-4939-7315-6_9

Zhao L, Yang H, Xuan Y, Zhao J, Ren N, Zhou S, Zhao x:

Increased expression of fibroblast growth factor receptor 1 in endometriosis and its correlation with endometriosis-related dysmenorrhea and recurrence

European Journal of Obstetrics and Gynecology and Reproductive Biology

[http://www.ejog.org/article/S0301-2115\(14\)00596-X/abstract](http://www.ejog.org/article/S0301-2115(14)00596-X/abstract)

Zhao T, He M, Zhu Z, Zhang T, Zheng W, Qin S, Gao M, Wang W, Chen Z, Han J, Liu L, Zhou B, Wang H, Zhang H, Xia G, Wang J, Wang F, Wang C:

P62 promotes FSH-induced antral follicle formation by directing degradation of ubiquitinated WT1

Cell Mol Life Sci. 2024 May 20;81(1):221. doi: 10.1007/s00018-024-05251-x.

<https://doi.org/10.1007/s00018-024-05251-x>

Zhou FC, Resendiz M, Lo CL, Chen Y:

Cell-Wide DNA De-Methylation and Re-Methylation of Purkinje Neurons in the Developing Cerebellum

PLoS One. 2016 Sep 1;11(9):e0162063. doi: 10.1371/journal.pone.0162063. eCollection 2016.

<http://dx.plos.org/10.1371/journal.pone.0162063>

Zhou J, Lin L, Xia G, Wang C:

The transcriptome reveals the molecular regulatory network of primordial follicle depletion in obese mice

Fertil Steril. 2023 May 27:S0015-0282(23)00541-1. doi: 10.1016/j.fertnstert.2023.05.165.

<https://doi.org/10.1016/j.fertnstert.2023.05.165>

Zhou J, Qu F, Barry JA, Pan J-X, Wang F-F, Fu Z-Z, Duez P, Hardiman PJ:

An atractylodes macrocephala koidz extract alleviates hyperandrogenism of polycystic ovarian syndrome

Int J Clin Exp Med 2016;9(2):2758-2767

<http://www.ijcem.com/files/ijcem0017917.pdf>

Zhou S, Wright JL, Liu J, Sin DD, and Churg A:

Aging does not Enhance Experimental Cigarette Smoke-Induced COPD in the Mouse

PLoS ONE 8(8): e71410. doi:10.1371/journal.pone.0071410

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0071410>

Zhou X, Liu Z, Shen K, Zhao P, Sun MX:

Cell lineage-specific transcriptome analysis for interpreting cell fate specification of proembryos

Nat Commun. 2020 Mar 13;11(1):1366. doi: 10.1038/s41467-020-15189-w.

<http://dx.doi.org/10.1038/s41467-020-15189-w>

Zhou X, Shi C, Zhao P, Sun M:

Isolation of living apical and basal cell lineages of early proembryos for transcriptome analysis

Plant Reprod. 2018 Dec 13. doi: 10.1007/s00497-018-00353-6.

<https://link.springer.com/article/10.1007/s00497-018-00353-6>

Zhu X, Xu M, Portal C, Lin Y, Ferdinand A, Peng T, Morrissey EE, Dlugosz AA, Castellano JM, Lee V, Seykora JT, Wong SY, Iomini C, Millar SE:

Identification of Meibomian gland stem cell populations and mechanisms of aging

Nat Commun. 2025 Feb 15;16(1):1663. doi: 10.1038/s41467-025-56907-6.

<https://doi.org/10.1038/s41467-025-56907-6>

Zuo H, Zhang J, Zhang L, Ren X, Chen X, Hao H, Zhao X, Wang D:

Transcriptomic Variation during Spermiogenesis in Mouse Germ Cells

PLoS One. 2016 Nov 11;11(11):e0164874. doi: 10.1371/journal.pone.0164874. eCollection 2016.

<http://dx.plos.org/10.1371/journal.pone.0164874>

11. Plant Research (incl. nutrition & agriculture)

Abbott E, Hall D, Hamberger B, Bohlmann J.:

Laser microdissection of conifer stem tissues: isolation and analysis of high quality RNA, terpene synthase enzyme activity and terpenoid metabolites from resin ducts and cambial zone tissue of white spruce (*Picea glauca*).

BMC Plant Biol 10: 106 (2010)

<http://www.biomedcentral.com/1471-2229/10/106>

Agusti J, Lichtenberger R, Schwarz M, Nehlin L, Greb T:

Characterization of transcriptome remodeling during cambium formation identifies MOL1 and RUL1 as opposing regulators of secondary growth

PLoS Genet. 2011 Feb;7(2):e1001312

<http://www.plosgenetics.org/article/info%3Adoi%2F10.1371%2Fjournal.pgen.1001312>

Agustí J, Merelo P, Cercós M, Tadeo FR, Talón M:

Comparative transcriptional survey between laser-microdissected cells from laminar abscission zone and petiolar cortical tissue during ethylene-promoted abscission in citrus leaves

BMC Plant Biol. 2009 Oct 23;9:127

<http://www.biomedcentral.com/1471-2229/9/127>

Artico S, Ribeiro-Alves M, Oliveira-Neto OB, de Macedo LL, Silveira S, Grossi-de-Sa MF, Martinelli AP, Alves-Ferreira M:

Transcriptome analysis of *Gossypium hirsutum* flower buds infested by cotton boll weevil (*Anthonomus grandis*) larvae

BMC Genomics. 2014 Oct 4;15(1):854.

<http://www.biomedcentral.com/content/pdf/1471-2164-15-854.pdf>

Aubert MK, Coventry S, Shirley NJ, Betts NS, Würschum T, Burton RA, Tucker MR:

Differences in hydrolytic enzyme activity accompany natural variation in mature aleurone morphology in barley (*Hordeum vulgare* L.)

Sci Rep. 2018 Jul 23;8(1):11025. doi: 10.1038/s41598-018-29068-4.

<http://dx.doi.org/10.1038/s41598-018-29068-4>

Balestrini R, Fiorilli V:

Laser Microdissection as a Useful Tool to Study Gene Expression in Plant and Fungal Partners in AM Symbiosis

Methods Mol Biol. 2020;2146:171-184. doi: 10.1007/978-1-0716-0603-2_13.

https://link.springer.com/protocol/10.1007/978-1-0716-0603-2_13

Balestrini, R., Gomez-Ariza, J., Lanfranco, L., and Bonfante, P.:

Laser microdissection reveals that transcripts for five plant and one fungal phosphate transporter genes are contemporaneously present in arbusculated cells

Mol Plant Microbe Interact 20(9): 1055-1062 (2007)

<http://apsjournals.apsnet.org/doi/abs/10.1094/MPMI-20-9-1055>

Balestrini R, Nerva L, Sillo F, Girlanda M, Perotto S:

Plant and fungal gene expression in mycorrhizal protocorms of the orchid *Serapias vomeracea* colonized by *Tulasnella calospora*

Plant Signaling & Behavior, 2014 Nov 03, DOI: 10.4161/15592324.2014.977707

http://www.tandfonline.com/doi/abs/10.4161/15592324.2014.977707#.VGB_ycmteik

Balestrini R, Perotto S, Fiorilli V:

Laser microdissection as a tool to study fungal gene expression in mycorrhizal endosymbiosis

IJM - Italian Journal of Mycology, ISSN 2531-7342 - Vol. 50 (2021): 1-9
<https://italianmycology.unibo.it/article/view/11867>

Balestrini R, Ott T, Güther M, Bonfante P, Udvardi MK, De Tullio MC:
Ascorbate oxidase: The unexpected involvement of a 'wasteful enzyme' in the symbioses with nitrogen-fixing bacteria and arbuscular mycorrhizal fungi
Plant Physiology and Biochemistry, 2012
<http://dx.doi.org/10.1016/j.plaphy.2012.07.006>

Balestrini R, Sillo F:
Plant-Fungal Interactions: Laser Microdissection as a Tool to Study Cell Specificity
Methods Mol Biol. 2022;2536:369-380. doi: 10.1007/978-1-0716-2517-0_20.
https://link.springer.com/protocol/10.1007/978-1-0716-2517-0_20

Becker MG, Haddadi P, Wan J, Adam L, Walker P, Larkan N, Daayf F, Borhan MH, Belmonte MF :
Transcriptome analysis of Rlm2-mediated host immunity in the Brassica napus-Leptosphaeria maculans pathosystem
Mol Plant Microbe Interact. 2019 Apr 2. doi: 10.1094/MPMI-01-19-0028-R.
<https://apsjournals.apsnet.org/doi/pdfplus/10.1094/MPMI-01-19-0028-R>

Becker MG, Zhang X, Walker PL, Wan JC, Millar JL, Khan D, Granger MJ, Cavers JD, Chan AC, Fernando DW, Belmonte MF:
Transcriptome analysis of the Brassica napus - Leptosphaeria maculans pathosystem identifies receptor, signalling and structural genes underlying plant resistance
Plant J. 2017 Feb 21. doi: 10.1111/tpj.13514.
<http://dx.doi.org/10.1111/tpj.13514>

Belmondo S, Fiorilli V, Pérez-Tienda J, Ferrol N, Marmesse R, and Lanfranco L:
A dipeptide transporter from the arbuscular mycorrhizal fungus Rhizophagus irregularis is upregulated in the intraradical phase
Front. Plant Sci. | doi: 10.3389/fpls.2014.00436
<http://journal.frontiersin.org/Journal/10.3389/fpls.2014.00436/abstract>

Belmonte MF, Kirkbride RC, Stone SL, Pelletier JM, Bui AQ, Yeung EC, Hashimoto M, Fei J, Harada CM, Munoz MD, Le BH, Drews GN, Brady SM, Goldberg RB, Harada JJ:
Comprehensive developmental profiles of gene activity in regions and subregions of the Arabidopsis seed
Proc Natl Acad Sci U S A. 2013 Jan 29;110(5):E435-44. doi: 10.1073/pnas.1222061110.
<https://doi.org/10.1073/pnas.1222061110>

Beretta VM, Franchini E, Ud Din I, Lacchini E, Van den Broeck L, Sozzani R, Orozco-Arroyo G, Adam H, Jouannic S, Gregis V, and Kater MM:
The ALOG family members OsG1L1 and OsG1L2 regulate inflorescence branching in rice
Poster, 64th Italian Society of Agricultural Genetics, Annual Congress, Sep 2021
https://sigaannualcongress.it/wp-content/uploads/2021/09/7_30-Beretta.pdf

Berruti A, Bianciotto V, Borriello R, Lumini E, Scariot V, Balestrini R:
Application of laser microdissection to identify the arbuscular mycorrhizal fungi inside the root cells
Frontiers in Plant Science, Nov 2013, ISSN 1664-462X
<http://www.frontiersin.org/Journal/abstract/38008>

Berruti A, Borriello R, Lumini E, Scariot V, Bianciotto V and Balestrini R:
Application of laser microdissection to identify the mycorrhizal fungi that establish arbuscules inside root cells

Front. Plant Sci. | doi: 10.3389/fpls.2013.00135
http://www.frontiersin.org/Plant-Microbe_Interaction/10.3389/fpls.2013.00135/abstract

Bi H, Kovalchuk N, Langridge P, Tricker PJ, Lopato S, Borisjuk N:

The impact of drought on wheat leaf cuticle properties

BMC Plant Biol. 2017 May 8;17(1):85. doi: 10.1186/s12870-017-1033-3
<https://bmcpplantbiol.biomedcentral.com/articles/10.1186/s12870-017-1033-3>

Bi H, Shi J, Kovalchuk N, Luang S, Bazanova N, Chirkova L, Zhang D, Shavrukov Y, Stepanenko A, Tricker P, Langridge P, Hrmova M, Lopato S, Borisjuk N:

Overexpression of the TaSHN1 transcription factor in bread wheat leads to leaf surface modifications, improved drought tolerance and no yield penalty under controlled growth conditions

Plant Cell Environ. 2018 May 14. doi: 10.1111/pce.13339.
<http://dx.doi.org/10.1111/pce.13339>

Blicharz S, Stefanowicz K, Truman W, Basińska-Barczak A, Singh D, Kasprzewska A, de Diego N, Vrobel O, Čavar Zeljković S, Tarkowski P, Malinowski R:

Laser dissection-assisted phloem transcriptomics highlights the metabolic and physiological changes accompanying clubroot disease progression in oilseed rape

Plant J. 2024 Nov 22. doi: 10.1111/tbj.17156.
<https://doi.org/10.1111/tbj.17156>

Cahill JF, Kertesz V:

Laser Capture Microdissection–Liquid Vortex Capture Mass Spectrometry Metabolic Profiling of Single Onion Epidermis and Microalgae Cells

Methods Mol Biol. 2020;2064:89-101. doi: 10.1007/978-1-4939-9831-9_7.
https://dx.doi.org/10.1007/978-1-4939-9831-9_7

Cahill JF, Kertesz V:

Automated Optically Guided System for Chemical Analysis of Single Plant and Algae Cells Using Laser Microdissection/Liquid Vortex Capture/Mass Spectrometry

Front Plant Sci. 2018 Aug 20;9:1211. doi: 10.3389/fpls.2018.01211. eCollection 2018.
<https://doi.org/10.3389/fpls.2018.01211>

Campos-Soriano L, Gomez-Ariza J, Bonfante P, San Segundo B:

A rice calcium-dependent protein kinase is expressed in cortical root cells during the presymbiotic phase of the arbuscular mycorrhizal symbiosis

BMC Plant Biol. 2011 May 19;11(1):90.
<http://www.biomedcentral.com/1471-2229/11/90/abstract>

Cañas RA, Canales J, Gómez-Maldonado J, Avila C, Cánovas FM:

Transcriptome analysis in maritime pine using laser capture microdissection and 454 pyrosequencing

Tree Physiol. 2014 Jan 3.
<http://treephys.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=24391165>

Cao S, Wang Y, Gao Y, Xu R, Ma J, Xu Z, Shang-Guan K, Zhang B, Zhou Y:

The RLCK-VND6 module coordinates secondary cell wall formation and adaptive growth in rice

Mol Plant. 2023 Apr 12:S1674-2052(23)00104-1. doi: 10.1016/j.molp.2023.04.006.
<https://doi.org/10.1016/j.molp.2023.04.006>

Caruso M, Distefano G, La Malfa S, Gentile A, Merelo P, Tadeo FR, Talon M

Identification of candidate genes involved in the self incompatibility response in clementine
Acta Hort, 2012

http://www.actahort.org/members/showpdf?booknrarnr=967_14

Caruso M, Merelo P, Distefano G, La Malfa S, Lo Piero AR, Tadeo FR, Talon M, Gentile A
Comparative transcriptome analysis of stylar canal cells identifies novel candidate genes implicated in the self-incompatibility response of Citrus clementina

BMC Plant Biol. 2012 Feb 14;12(1):20

<http://www.biomedcentral.com/1471-2229/12/20>

Castro-Rodríguez V, García-Gutiérrez A, Cañas RA, Pascual M, Avila C, Cánovas FM:
Redundancy and metabolic function of the glutamine synthetase gene family in poplar

BMC Plant Biol. 2015 Jan 22;15(1):20.

<http://www.biomedcentral.com/1471-2229/15/20>

Celedon JM, Yuen MMS, Chiang A, Henderson H, Reid KE, Bohlmann J:
Cell-type and tissue specific transcriptomes of the white spruce (Picea glauca) bark unmask fine-scale spatial patterns of constitutive and induced conifer defense

Plant J. 2017 Aug 30. doi: 10.1111/tpj.13673.

<http://onlinelibrary.wiley.com/doi/10.1111/tpj.13673/full>

Chandran D, Inada N, Hather G, Kleindt CK, Wildermuth MC:

Laser microdissection of Arabidopsis cells at the powdery mildew infection site reveals site-specific processes and regulators

Proc Natl Acad Sci U S A. 2010 Jan 5;107(1):460-5.

<http://www.pnas.org/content/107/1/460.abstract>

Chandran D, Inada N, Wildermuth MC:

Laser microdissection of plant-fungus interaction sites and isolation of RNA for downstream expression profiling

Methods Mol Biol 712:241-62 (2011)

<http://www.springerlink.com/content/q8x0633768v71816/#section=862301&page=1>

Chen HC, Song J, Wang JP, Lin YC, Ducoste J, Shuford CM, Liu J, Li Q, Shi R, Nepomuceno A, Isik F, Muddiman DC, Williams C, Sederoff RR, Chiang VL:

Systems Biology of Lignin Biosynthesis in Populus trichocarpa: Heteromeric 4-Coumaric Acid:Coenzyme A Ligase Protein Complex Formation, Regulation, and Numerical Modeling

Plant Cell. 2014 Mar 11.

<http://www.plantcell.org/cgi/pmidlookup?view=long&pmid=24619612>

Chen L, Gao R, Wei G, Luo S, Köllner TG, Xu H, Jiang Y, Zhang C, Chen X, Dickschat JS, Gershenzon J, Li S, Chang Y, Chen F:

Microbial-type terpene synthases significantly contribute to the terpene profile of glandular trichomes of the fern Dryopteris fragrans (L.)

Plant J. 2025 Mar;121(6):e70079. doi: 10.1111/tpj.70079.

<https://doi.org/10.1111/tpj.70079>

Chen LL, Chu SS, Zhang L, Xie J, Dai M, Wu X, Peng HS:

Tissue-Specific Metabolite Profiling on the Different Parts of Bolting and Unbolting Peucedanum praeruptorum Dunn (Qianhu) by Laser Microdissection Combined with UPLC-Q/TOF-MS and HPLC-DAD

Molecules. 2019 Apr 11;24(7). pii: E1439. doi: 10.3390/molecules24071439.

<http://www.mdpi.com/resolver?pii=molecules24071439>

Chen M, Bui AQ, Goldberg RB:

Using Giant Scarlet Runner Bean (Phaseolus coccineus) Embryos to Dissect the Early Events in Plant Embryogenesis

Methods Mol Biol. 2020;2122:205-222. doi: 10.1007/978-1-0716-0342-0_15.
https://link.springer.com/protocol/10.1007/978-1-0716-0342-0_15

Chen QL, Chen YJ, Zhou SS, Yip KM, Xu J, Chen HB, Zhao ZZ:
Laser microdissection hyphenated with high performance gel permeation chromatography-charged aerosol detector and ultra performance liquid chromatography-triple quadrupole mass spectrometry for histochemical analysis of polysaccharides in herbal medicine: Ginseng, a case study

Int J Biol Macromol. 2017 Aug 31. pii: S0141-8130(17)32336-X. doi: 10.1016/j.ijbiomac.2017.08.162.
[https://linkinghub.elsevier.com/retrieve/pii/S0141-8130\(17\)32336-X](https://linkinghub.elsevier.com/retrieve/pii/S0141-8130(17)32336-X)

Chen Y, Xu L, Zhao Y, Zhao Z, Chen H, Yi T, Qin M, Liang Z:
Tissue-specific metabolite profiling and quantitative analysis of ginsenosides in Panax quinquefolium using laser microdissection and liquid chromatography–quadrupole/time of flight-mass spectrometry

Chem Cent J. 2015; 9: 66. 2015 Dec 9. doi: 10.1186/s13065-015-0141-0
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4673779/>

Chen Z, Zhao W, Ge D, Han Y, Ning K, Luo C, Wang S, Liu R, Zhang X, Wang Q:
LCM-seq reveals the crucial role of LsSOC1 in heat-promoted bolting of lettuce (*Lactuca sativa* L.)
Plant J. 2018 May 17. doi: 10.1111/tpj.13968.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/tpj.13968>

Chitarra W, Balestrini R, Vitali M, Pagliarani C, Perrone I, Schubert A, Lovisolo C:
Gene expression in vessel-associated cells upon xylem embolism repair in *Vitis vinifera* L. petioles
Planta. 2014 Jan 9.
<http://dx.doi.org/10.1007/s00425-013-2017-7>

Corradi N, Bonfante P:
The arbuscular mycorrhizal symbiosis: origin and evolution of a beneficial plant infection
PLoS Pathog. 2012 Apr;8(4):e1002600.
www.ncbi.nlm.nih.gov/pmc/articles/PMC3330121/

Costes C, Le Bot L, Alvarado C, Daniel S, Sanz SN, Calatayud C, Soriano A, Guillon F, Mameri H, Terrier N, Saulnier L, Francin-Allami M:
Polysaccharide distribution and cell wall deposition in the endosperm and outer layers of developing sorghum grains
Journal of Cereal Science, <https://doi.org/10.1016/j.jcs.2025.104239>.
<https://doi.org/10.1016/j.jcs.2025.104239>

Costes C, Navarro Sanz S, Calatayud C, Soriano A, Mameri H, Terrier N, Francin-Allami M:
Transcriptomic analysis of developing sorghum grains to detect genes related to cell wall biosynthesis and remodelling
BMC Genom Data. 2024 Feb 7;25(1):14. doi: 10.1186/s12863-024-01198-x.
<https://doi.org/10.1186/s12863-024-01198-x>

Cui K, Liu Z, Li J, Gao C, and Miao Y:
The cellulose–lignin balance affects the twisted growth of Yunnan pine trunk
Authorea Preprints, 10 Oct 2022,
<https://www.authorea.com/doi/full/10.22541/au.166538021.18232197>

Cui, Z., Li, M., Han, X., Liu, H., Li, C., Peng, H., Liu, D., Huang, X., and Zhang, Z.:
Morphogenesis, ultrastructure, and chemical profiling of trichomes in *Artemisia argyi* H. Lév. & Vaniot (Asteraceae)
Planta 255, 102 (2022).

<https://doi.org/10.1007/s00425-022-03889-0>

Dai X, Zhai R, Lin J, Wang Z, Meng D, Li M, Mao Y, Gao B, Ma H, Zhang B, Sun Y, Li S, Zhou C, Lin YJ, Wang JP, Chiang VL, Li W:

Cell-type-specific PtrWOX4a and PtrVCS2 form a regulatory nexus with a histone modification system for stem cambium development in *Populus trichocarpa*

Nat Plants. 2023 Jan 9. doi: 10.1038/s41477-022-01315-7.

<https://www.nature.com/articles/s41477-022-01315-7>

Day, R.C., Grossniklaus, U., and Macknight, R.C.:

Be more specific! Laser-assisted microdissection of plant cells

Trends Plant Sci 10(8): 397-406 (2005)

<http://dx.doi.org/10.1016/j.tplants.2005.06.006>

De Rose S, Kuga Y, Sillo F, Fochi V, Sakamoto N, Calevo J, Perotto S, Balestrini R:

Plant and fungal gene expression coupled with stable isotope labelling provide novel information on sulfur uptake and metabolism in orchid mycorrhizal protocorms

Plant J. 2023 Jul 8. doi: 10.1111/tpj.16381.

<https://doi.org/10.1111/tpj.16381>

Deguchi A, Tatsuzawa F, Ishii K, Abe T, and Miyoshi K:

Localized Repression of Two bHLH Genes is Involved in the Formation of White Margins and White Abaxial Surfaces in Carnation Petals by Inducing the Absence of Anthocyanin Synthesis

The Horticulture Journal Preview, 14 Oct 2021, doi: 10.2503/hortj.UTD-313

https://www.jstage.jst.go.jp/article/hortj/advpub/0/advpub_UTD-313/_pdf

Doidy J, Grace E, Kühn C, Simon-Plas F, Casieri L, Wipf D:

Sugar transporters in plants and in their interactions with fungi

Trends Plant Sci. 2012 Apr 16.

<http://www.sciencedirect.com/science/article/pii/S1360138512000611>

Dong J, Wang Y, Xu L, Li B, Wang K, Ying J, He Q, Liu L :

RsCLE22a Regulates the Taproot Growth through Auxin Signaling-related Pathway in Radish (*Raphanus sativus* L.)

J Exp Bot. 2022 Oct 14;erac406. doi: 10.1093/jxb/erac406.

<https://doi.org/10.1093/jxb/erac406>

Dong J, Wang Y, Xu L, Li B, Zhang X, Chen Y, Ying J, Chen S, Cui F, Liu L:

RsLBD3 regulates the secondary growth of taproot by integrating auxin and cytokinin signaling in radish (*Raphanus sativus* L.)

J Integr Plant Biol. 2025 May 7. doi: 10.1111/jipb.13918.

<https://doi.org/10.1111/jipb.13918>

Elhiti M, Wally OS, Belmonte MF, Chan A, Cao Y, Xiang D, Datla R, Stasolla C:

Gene expression analysis in microdissected shoot meristems of *Brassica napus* microspore-derived embryos with altered SHOOTMERISTEMLESS levels

Planta. 2013 Apr;237(4):1065-82. doi: 10.1007/s00425-012-1814-8.

<http://link.springer.com/article/10.1007%2Fs00425-012-1814-8>

Fang J, Ramsay A, Renouard S, Hano C, Lamblin F, Chabbert B, Mesnard F, Schneider B:

Laser Microdissection and Spatiotemporal Pinoresinol-Lariciresinol Reductase Gene Expression Assign the Cell Layer-Specific Accumulation of Secoisolariciresinol Diglucoside in Flaxseed Coats

Front Plant Sci. 2016 Nov 21;7:1743. doi: 10.3389/fpls.2016.01743. eCollection 2016.

<https://www.frontiersin.org/articles/10.3389/fpls.2016.01743/full>

Fang J, Reichelt M, Hidalgo W, Agnolet S, Schneider B:

Tissue-Specific Distribution of Secondary Metabolites in Rapeseed (*Brassica napus* L.)

PLoS ONE 7(10): e48006. doi:10.1371/journal.pone.0048006

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0048006>

Fang J, Schneider B:

Laser Microdissection: a Sample Preparation Technique for Plant Micrometabolic Profiling

Phytochem. Anal., 23 Sep 2013, 1099-1565, 10.1002/pca.2477

<http://dx.doi.org/10.1002/pca.2477>

Fernández I, Merlos M, López-Ráez JA, Martínez-Medina A, Ferrol N, Azcón C, Bonfante P, Flors V, Pozo MJ:

Defense Related Phytohormones Regulation in Arbuscular Mycorrhizal Symbioses Depends on the Partner Genotypes

J Chem Ecol. 2014 Jul 6.

<http://dx.doi.org/10.1007/s10886-014-0473-6>

Fiorilli V, Belmondo S, Khouja HR, Abbà S, Faccio A, Daghino S, Lanfranco L :

RiPEIP1, a gene from the arbuscular mycorrhizal fungus *Rhizophagus irregularis*, is preferentially expressed in planta and may be involved in root colonization

Mycorrhiza. 2016 Apr 13.

<http://dx.doi.org/10.1007/s00572-016-0697-0>

Fiorilli V, Catoni M, Miozzi L, Novero M, Accotto GP, Lanfranco L:

Global and cell-type gene expression profiles in tomato plants colonized by an arbuscular mycorrhizal fungus

New Phytol. 2009 Dec;184(4):975-87. Epub 2009 Sep 17.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1469-8137.2009.03031.x/full>

Fochi V, Chitarra W, Kohler A, Voyron S, Singan VR, Lindquist EA, Barry KW, Girlanda M, Grigoriev IV, Martin F, Balestrini R, Perotto S:

Fungal and plant gene expression in the *Tulasnella calospora*-*Serapias vomeracea* symbiosis provides clues about nitrogen pathways in orchid mycorrhizas

New Phytol. 2016 Nov 11. doi: 10.1111/nph.14279.

<http://onlinelibrary.wiley.com/doi/10.1111/nph.14279/abstract>

Fu Y, Li S, Xu L, Ji C, Xiao Q, Shi D, Wang G, Wang W, Wang J, Wang J, and Wu Y:

RNA sequencing of cleanly isolated early endosperms reveals coenocyte-to-cellularization transition features in maize

Seed Biology 2023, 2:8, DOI: 10.48130/SeedBio-2023-0008

<https://doi.org/10.48130/SeedBio-2023-0008>

Gambetta GA, Fei J, Rost TL, Knipfer T, Matthews MA, Shackel KA, Walker MA, McElrone AJ:

Water uptake along the length of grapevine fine roots: developmental anatomy, tissue specific aquaporin expression, and pathways of water transport

Plant Physiol. 2013 Sep 18.

<http://www.plantphysiol.org/content/early/2013/09/18/pp.113.221283.long>

Giovannetti M, Balestrini R, Volpe V, Guether M, Straub D, Costa A, Ludewig U, Bonfante P:

Two putative-aquaporin genes are differentially expressed during arbuscular mycorrhizal symbiosis in *Lotus japonicus*

BMC Plant Biol. 2012 Oct 9;12(1):186.

<http://www.biomedcentral.com/1471-2229/12/186>

Giovannetti M, Tolosano M, Volpe V, Kopriva S, Bonfante P:

Identification and functional characterization of a sulfate transporter induced by both sulfur starvation and mycorrhiza formation in *Lotus japonicus*

New Phytol. 2014 Jul 31. doi: 10.1111/nph.12949.

<http://dx.doi.org/10.1111/nph.12949>

Gomez SK, Harrison MJ:

Laser microdissection and its application to analyze gene expression in arbuscular mycorrhizal symbiosis

Pest Manag Sci 65(5): 504-11 (2009)

<http://onlinelibrary.wiley.com/doi/10.1002/ps.1715/full>

González-Chávez Ma. del Carmen A, Ortega-Larrocea M, Carrillo-González R, López-Meyer M, Xoconostle-Cázares B, Gomez SK, Harrison MJ, López AMF, Maldonado-Mendoza IE

Arsenate induces the expression of fungal genes involved in As transport in arbuscular mycorrhiza

Fungal Biology (2011), ISSN 1878-6146, 10.1016/j.funbio.2011.08.005.

<http://www.sciencedirect.com/science/article/pii/S1878614611001577>

Gorshkov O, Chernova T, Mokshina N, Gogoleva N, Suslov D, Tkachenko A, Gorshkova T:

Intrusive Growth of Phloem Fibers in Flax Stem: Integrated Analysis of miRNA and mRNA Expression Profiles

Plants (Basel). 2019 Feb 19;8(2). pii: E47. doi: 10.3390/plants8020047.

<http://www.mdpi.com/resolver?pii=plants8020047>

Gotté M, Bérnard M, Kiefer-Meyer MC, Jaber R, Moore JP, Vicré-Gibouin M, and Driouich A:

Endoplasmic Reticulum Body–Related Gene Expression in Different Root Zones of Arabidopsis Isolated by Laser-Assisted Microdissection

The Plant Genome, Vol. 9 No. 2 Jul 7 2016, doi:10.3835/plantgenome2015.08.0076

<https://dl.sciencesocieties.org/publications/tpg/articles/9/2/plantgenome2015.08.0076>

Gouran M:

Transcriptional Regulation of Xylem Development and Secondary Cell Wall Composition

Thesis, 2023

<https://escholarship.org/uc/item/3ff6j9x3>

Granados JM, Ávila C, Cánovas FM, Cañas RA:

Selection and testing of reference genes for accurate RT-qPCR in adult needles and seedlings of maritime pine

Tree Genetics & Genomes, June 2016, 12:60

<http://link.springer.com/article/10.1007/s11295-016-1018-7>

Guether M, Balestrini R, Hannah M, He J, Udvardi MK, Bonfante P:

Genome-wide reprogramming of regulatory networks, transport, cell wall and membrane biogenesis during arbuscular mycorrhizal symbiosis in *Lotus japonicus*

New Phytol 182(1):200-12 (2009)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1469-8137.2008.02725.x/full>

Guether, M., Neuhausser, B., Balestrino, R., Dynowski, M., Ludewig, U., Bonfante, P:

A Mycorrhizal-Specific Ammonium Transporter from *Lotus japonicus* Acquires Nitrogen Released by Arbuscular Mycorrhizal Fungi

Plant Physiology 150: 73-83 (2009)

<http://www.plantphysiol.org/content/150/1/73.long>

Guether M, Volpe V, Balestrini R, Requena N, Wipf D and Bonfante P:

LjLHT1.2—a mycorrhiza-inducible plant amino acid transporter from *Lotus japonicus*

Biol Fertil Soils, DOI 10.1007/s00374-011-0596-7 (2011)
<http://www.springerlink.com/content/j30236l28156x734/>

Hall HC, Cheung J, Ellis BE:

Immunoprofiling reveals unique cell-specific patterns of wall epitopes in the expanding *Arabidopsis* stem

Plant J. 2013 Jan 7. doi: 10.1111/tpj.12111.

<http://onlinelibrary.wiley.com/doi/10.1111/tpj.12111/abstract>

Hamberger B, Ohnishi T, Hamberger B, Seguin A, Bohlmann J:

Evolution of diterpene metabolism: Sitka spruce CYP720B4 catalyses multiple oxidations in resin acid biosynthesis of conifer defense against insects

Plant Physiol. 2011 Oct 13. [Epub ahead of print]

<http://www.plantphysiol.org/content/early/2011/10/12/pp.111.185843.abstract>

Happyana N, Agnolet S, Muntendam R, Van Dam A, Schneider B, Kayser O

Analysis of cannabinoids in laser-microdissected trichomes of medicinal *Cannabis sativa* using LCMS and cryogenic NMR

Phytochemistry. 2012 Dec 29. pii: S0031-9422(12)00475-X. doi: 10.1016/j.phytochem.2012.11.001.

[http://linkinghub.elsevier.com/retrieve/pii/S0031-9422\(12\)00475-X](http://linkinghub.elsevier.com/retrieve/pii/S0031-9422(12)00475-X)

Harrop TW, Ud Din I, Gregis V, Osnato M, Jouannic S, Adam H, Kater MM:

Gene expression profiling of reproductive meristem types in early rice inflorescences by laser microdissection

Plant J. 2016 Apr;86(1):75-88. doi: 10.1111/tpj.13147.

<http://dx.doi.org/10.1111/tpj.13147>

Hartanti MD, Rosario R, Hummitzsch K, Bastian NA, Hatzirodos N, Bonner WM, Bayne RA, Irving-Rodgers HF, Anderson RA, Rodgers RJ:

Could perturbed fetal development of the ovary contribute to the development of polycystic ovary syndrome in later life?

PLoS One. 2020 Feb 20;15(2):e0229351. doi: 10.1371/journal.pone.0229351. eCollection 2020.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0229351>

He JJ, Hu G, Shen MY, Fan YJ, Shi XS, Wu XM, Guo WW, Xia QM, Xie KD:

Comprehensive analysis of imprinted genes in citrus endosperm and their contributions to seed development

Plant J. 2025 Jun;122(6):e70290. doi: 10.1111/tpj.70290.

<https://doi.org/10.1111/tpj.70290>

Hermans W, Geisslitz S, De Bondt Y, Langenaeken NA, Scherf KA, Courtin CM:

NanoLC-MS/MS protein analysis on laser-microdissected wheat endosperm tissues: A comparison between aleurone, sub-aleurone and inner endosperm

Food Chemistry, 12 Oct 2023, 137735

<https://doi.org/10.1016/j.foodchem.2023.137735>

Hettenhausen C, Baldwin IT, Wu J:

Silencing MPK4 in *Nicotiana attenuata* enhances photosynthesis and seed production but compromises abscisic acid-induced stomatal closure and guard cell-mediated resistance to *Pseudomonas syringae* pv tomato DC3000

Plant Physiol. 2012 Feb;158(2):759-76. doi: 10.1104/pp.111.190074.

<http://www.plantphysiol.org/cgi/pmidlookup?view=long&pmid=22147519>

Hölscher D:

Cellular-Specific Detection of Polyphenolic Compounds by NMR-and MS-Based Techniques

Recent Advances in Polyphenol Research, 2019

<https://books.google.de/>

Hölscher D, Fuchser J, Knop K, Menezes RC, Buerkert A, Svatoš A, Schubert US, Schneider B:
High resolution mass spectrometry imaging reveals the occurrence of phenylphenalenone-type compounds in red paracytic stomata and red epidermis tissue of *Musa acuminata* ssp. *zebrina* cv. 'Rowe Red'

Phytochemistry. 2015 May 21. pii: S0031-9422(15)00147-8. doi: 10.1016/j.phytochem.2015.04.010.

[http://linkinghub.elsevier.com/retrieve/pii/S0031-9422\(15\)00147-8](http://linkinghub.elsevier.com/retrieve/pii/S0031-9422(15)00147-8)

Hölscher, D. and Schneider, B.:

Application of laser-assisted microdissection for tissue and cell-specific analysis of RNA, proteins, and metabolites

Progress in Botany 69: 141-167 (2007)

<http://www.springerlink.com/content/m15305q9262t5776/>

Hölscher, D. and Schneider, B.:

Laser microdissection and cryogenic nuclear magnetic resonance spectroscopy: an alliance for cell type-specific metabolite profiling

Planta 225(3): 763-770 (2007)

<http://www.springerlink.com/content/m5787044k63758q0/>

Hölscher, D., Shroff, R., Knop, K., Gottschaldt, M., Crecelius, A., Schneider, B., Heckel, D.G., Schubert, U.S., Svatoš, A.

Matrix-free UV-laser desorption/ionization (LDI) mass spectrometric imaging at the single-cell level: distribution of secondary metabolites of *Arabidopsis thaliana* and *Hypericum* species

The Plant Journal 60 (5): 907-918 (2009)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-313X.2009.04012.x/full>

Hollender CA, Kang C, Darwish O, Geretz A, Matthews BF, Slovin J, Alkharouf N, Liu Z:

Floral transcriptomes in woodland strawberry uncover developing receptacle and anther gene networks

Plant Physiol. 2014 May 14. pii: pp.114.237529.

<http://www.plantphysiol.org/content/early/2014/05/14/pp.114.237529.full.pdf>

Hsieh JA, Liou PC, Lin CC, Dai X, Hu CW, Wang IF, Dang JF, Ho YC, Cheng KW, Xu W, Kuo SC, Kao CT, Yang DX, Wang R, Xiao K, Lin JS, Hsu CC, Hsu CC, Mai TL, Cheng Y, Tseng MC, Li W, Chen YL, Lin YJ:

Single-cell and spatial multiomics identifies heterogeneous xylem development driven by mechanical stress in *Populus*

Dev Cell. 2025 Jul 21:S1534-5807(25)00436-8. doi: 10.1016/j.devcel.2025.06.038.

<https://doi.org/10.1016/j.devcel.2025.06.038>

Hu H, Liu G, Li Y:

The isolation strategy and chemical analysis of oil cells from *Asari Radix et Rhizoma*

Plant Methods. 2024 May 17;20(1):72. doi: 10.1186/s13007-024-01184-5.

<https://doi.org/10.1186/s13007-024-01184-5>

Huisman R, Hontelez J, Mysore KS, Wen J, Bisseling T, Limpens E:

A symbiosis-dedicated SYNTAXIN OF PLANTS 13II isoform controls the formation of a stable host-microbe interface in symbiosis

New Phytol. 2016 Apr 25. doi: 10.1111/nph.13973.

<http://dx.doi.org/10.1111/nph.13973>

Hussain A, Husna, Ullah I, Naseem M:

Plant-Associated Microbes Alter Root Growth by Modulating Root Apical Meristem

Methods Mol Biol. 2020;2094:49-58. doi: 10.1007/978-1-0716-0183-9_6
https://link.springer.com/protocol/10.1007/978-1-0716-0183-9_6

Inada, N. and Wildermuth, M.C.:

Novel tissue preparation method and cell-specific marker for laser microdissection of Arabidopsis mature leaf

Planta 221(1): 9-16 (2005)
<http://www.springerlink.com/content/5n2fvbd0g0ue888w/>

Ishimura T, Ida M, Hirose S, Shimamura S, Masumura T, Nishizawa NK, Nakazono M, Kondo M:
Laser microdissection-based gene expression analysis in the aleurone layer and starchy endosperm of developing rice caryopses in the early storage phase

Rice, July 2015, 8:22,
<http://link.springer.com/article/10.1186%2Fs12284-015-0057-2#>

Ishimaru T, Parween S, Saito Y, Masamura T, Kondo M, Sreenivasulu N:

Laser Microdissection Transcriptome Data Derived Gene Regulatory Networks of Developing Rice Endosperm Revealed Tissue- and Stage-specific Regulators Modulating Starch Metabolism

Research Square, 23 Aug 2021, DOI: 10.21203/rs.3.rs-814515/v1
<https://www.researchsquare.com/article/rs-814515/v1>

Ishimaru T, Parween S, Saito Y, Shigemitsu T, Yamakawa H, Nakazono M, Masumura T, Nishizawa NK, Kondo M, Sreenivasulu N:

Laser microdissection-based tissue specific transcriptome analyses reveals novel regulatory network of genes involved in heat-induced grain chalk in rice endosperm

Plant Cell Physiol. 2018 Dec 4. doi: 10.1093/pcp/pcy233.
<https://academic.oup.com/pcp/article-lookup/doi/10.1093/pcp/pcy233>

Ishimaru, Y., Suzuki, M., Tsukamoto, R., Suzuki, K., Nakazono, M., Kobayashi, T., Wada, Y., Watanabe, S., Matsushashi, S., Takahashi, M., Nakanishi, H., Mori, S., and Nishizawa, N.K.:

Rice plants take up iron as an Fe³⁺-phytosiderophore and as Fe²⁺

Plant Journal 45(3): 335-346 (2006)
<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-313X.2005.02624.x/full>

Jaiswal YS, Liang Z, Guo P, Ho HM, Chen HB, Zhao Z:

Tissue-specific Metabolite Profiling of *Cyperus rotundus* L. Rhizomes and (+)-Nootkatone Quantitation by Using Laser Micro Dissection, UHPLC-QTOF MS and GC-MS Techniques

J Agric Food Chem. 2014 Jun 17.
<http://pubs.acs.org/doi/abs/10.1021/jf502494z?journalCode=jafcau>

Jaiswal Y, Liang Z, Ho A, Chen H, Williams L, Zhao Z:

Tissue based metabolite profiling and qualitative comparison of two species of *Achyranthes* roots by use of UHPLC-QTOF MS and laser micro dissection

Journal of Pharmaceutical Analysis, 16 June 2017
<http://www.sciencedirect.com/science/article/pii/S2095177917300709>

Jaiswal Y, Liang Z, Ho A, Chen H, Zhao Z:

A Comparative Tissue-specific Metabolite Analysis and Determination of Protodioscin Content in Asparagus Species used in Traditional Chinese Medicine and Ayurveda by use of Laser Microdissection, UHPLC-QTOF/MS and LC-MS/MS

Phytochem Anal. 2014 Apr 16. doi: 10.1002/pca.2522.
<http://dx.doi.org/10.1002/pca.2522>

Jhu M-Y, Ichihashi Y, Farhi M, Wong C, Sinha NR :

CcLBD25 functions as a key regulator of haustorium development in *Cuscuta campestris*

bioRxiv, Jan 2021, doi: <https://doi.org/10.1101/2021.01.04.425251>

<https://www.biorxiv.org/content/10.1101/2021.01.04.425251v1>

Jhu M-Y, Ichihashi Y, Farhi M, Wong C, Sinha NR :

LATERAL ORGAN BOUNDARIES DOMAIN 25 functions as a key regulator of haustorium development in dodders

Plant Physiology, 2021 May 27, kiab231, <https://doi.org/10.1093/plphys/kiab231>

<https://academic.oup.com/plphys/advance-article/doi/10.1093/plphys/kiab231/6287075>

Jia HH, Xu YT, Yin ZP, Wu XM, Qing M, Fan YJ, Song X, Xie KD, Xie ZZ, Xu Q, Deng XX, Guo WW: Transcriptomes and DNA methylomes in apomictic cells delineate nucellar embryogenesis initiation in citrus

DNA Res. 2021 Aug 23:dsab014. doi: 10.1093/dnares/dsab014.

<https://academic.oup.com/dnares/advance-article-pdf/doi/10.1093/dnares/dsab014/39846198/dsab014.pdf>

Jiang D, Lin H, Liu Z, Qi K, Zhang W, Wang H, Zhang C, Zhu L, Zhu J, Zhang Y, Huang L, Wang S, Pan Y, Guo L:

Polyacetylenes and sesquiterpenes in Chinese traditional herb *Atractylodes lancea*: biomarkers and synergistic effects in red secretory cavities

Mol Hortic. 2025 Feb 4;5(1):11. doi: 10.1186/s43897-024-00130-2.

<https://doi.org/10.1186/s43897-024-00130-2>

Jiang D, Liu Z-H, Qi K, Wang H, Zhang C, Zhu L, Li X, Zhang Y, Huang L, Wang S, Pan Y, Guo L: Spatial metabolomics reveals potential biomarkers for red secretory cavities in *Atractylodes lancea* natural accessions

Authorea. July 11, 2022.

<https://www.authorea.com/doi/full/10.22541/au.165752847.75087336>

Jiang, K., Zhang, S., Lee, S., Tsai, G., Kim, K., Huang, H., Chilcott, C., Zhu, T., and Feldman, L.J.:

Transcription profile analyses identify genes and pathways central to root cap functions in maize

Plant Mol Biol 60(3): 343-363 (2006)

<http://www.springerlink.com/content/t863g13256081071/>

Jiang N, Feng MQ, Cheng LC, Kuang LH, Li CC, Ying ZP, Wang R, Xie KD, Guo WW, Wu XM: Spatiotemporal profiles of gene activity in stamen delineate nucleo-cytoplasmic interaction in a male sterile somatic hybrid citrus

Horticulture Research, uhad105, <https://doi.org/10.1093/hr/uhad105>

<https://doi.org/10.1093/hr/uhad105>

Jyske TM, Suuronen JP, Pranovich AV, Laakso T, Watanabe U, Kuroda K, Abe H:

Seasonal variation in formation, structure, and chemical properties of phloem in *Picea abies* as studied by novel microtechniques

Planta. 2015 Sep;242(3):613-29. doi: 10.1007/s00425-015-2347-8.

<http://dx.doi.org/10.1007/s00425-015-2347-8>

Ke Y, Podio M, Conner J, Ozias-Akins P:

Single-cell transcriptome profiling of buffelgrass (*Cenchrus ciliaris*) eggs unveils apomictic parthenogenesis signatures

Sci Rep. 2021 May 10;11(1):9880. doi: 10.1038/s41598-021-89170-y.

<https://www.nature.com/articles/s41598-021-89170-y>

Kivivirta K, Herbert D, Lange M, Beuerlein K, Altmüller J, Becker A:

A protocol for laser microdissection (LMD) followed by transcriptome analysis of plant reproductive tissue in phylogenetically distant angiosperms

Plant Methods. 2019 Dec 16;15:151. doi: 10.1186/s13007-019-0536-3. eCollection 2019.
<https://plantmethods.biomedcentral.com/articles/10.1186/s13007-019-0536-3>

Klink, V.P., Overall, C.C., Alkharouf, N.W., MacDonald, M.H., and Matthews, B.F.:

Laser capture microdissection (LCM) and comparative microarray expression analysis of syncytial cells isolated from incompatible and compatible soybean (*Glycine max*) roots infected by the soybean cyst nematode (*Heterodera glycines*)

Planta 226(6): 1389-1409 (2007)
<http://www.springerlink.com/content/427n6258j4858561/>

Lavarenne J, Gonin M, Champion A, Javelle M, Adam H, Rouster J, Conejéro G, Lartaud M, Verdeil JL, Laplace L, Sallaud C, Lucas M, Gantet P:

Transcriptome profiling of laser-captured crown root primordia reveals new pathways activated during early stages of crown root formation in rice.

PLoS One. 2020 Nov 19;15(11):e0238736. doi: 10.1371/journal.pone.0238736. eCollection 2020.
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0238736>

Lenzi L1, Caruso C2, Bianchedi PL3, Pertot I4, Perazzolli M:

Laser microdissection of grapevine leaves reveals site-specific regulation of transcriptional response to *Plasmopara viticola*

Plant Cell Physiol. 2015 Nov 6. pii: pcv166.
<http://pcp.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=26546320>

Li CH, Liu Y, Hua J, Luo SH, Li SH:

Peltate glandular trichomes of *Colquhounia seguinii* Vaniot harbor new defensive clerodane diterpenoids

J Integr Plant Biol. 2014 Jul 22. doi: 10.1111/jipb.12242.
<http://www.jipb.net/pubsoft/content/2/10.1111/jipb.12242.pdf>

Li J, Li SS, Liu Y, Tang WY, Liu XF, Meng CF, Zhang LY, Sun MX:

An efficient semi-in vivo zygotic embryogenesis system in *Arabidopsis*

In Vitro Cell.Dev.Biol.-Plant, 27. Dec 2022
<https://doi.org/10.1007/s11627-022-10319-z>

Li R, Wu M, Chen S, Huang L, Wang C, Yu Z, Huang F, Liu X, Zhu N, Song C, Jiang G, Yin X:

A cell isolation method from *Ligusticum chuanxiong* Hort. suitable for obtaining high-quality RNA for Smart-seq

Plant Methods. 2025 Aug 10;21(1):109. doi: 10.1186/s13007-025-01425-1.
<https://doi.org/10.1186/s13007-025-01425-1>

Li SH, Nagy NE, Hammerbacher A, Krokene P, Niu XM, Gershenzon J, Schneider B:

Localization of Phenolics in Phloem Parenchyma Cells of Norway Spruce (*Picea abies*)

Chembiochem. 2012 Dec 21;13(18):2707-13. doi: 10.1002/cbic.201200547. Epub 2012 Nov 13.
<http://dx.doi.org/10.1002/cbic.201200547>

Li, S-H., Schneider, B., Gershenzon, J.

Microchemical analysis of laser-microdissected stone cells of Norway spruce by cryogenic nuclear magnetic resonance spectroscopy

Planta 225(3): 771-9 (2007)
<http://www.springerlink.com/content/j81p14274x734t73/>

Liang L, Xu J, Liang ZT, Dong XP, Chen HB, Zhao ZZ:

Tissue-Specific Analysis of Secondary Metabolites Creates a Reliable Morphological Criterion for Quality Grading of Polygoni Multiflori Radix

Molecules. 2018 May 8;23(5). pii: E1115. doi: 10.3390/molecules23051115.
<https://europepmc.org/abstract/med/29738485>

Liang Z, Zhang J, Yang G, Chen H, Zhao Z:

Chemical profiling and histochemical analysis of *Bupleurum marginatum* roots from different growing areas of Hubei province

Acta Pharmaceutica Sinica B, 21 May 2013, ISSN 2211-3835, 10.1016/j.apsb.2013.04.002.
<http://www.sciencedirect.com/science/article/pii/S2211383513000348>

Liu C, Srividya N, Parrish AN, Yue W, Shan M, Wu Q, Lange BM:

Morphology of glandular trichomes of Japanese catnip (*Schizonepeta tenuifolia* Briquet) and developmental dynamics of their secretory activity

Phytochemistry. 2018 Mar 10;150:23-30. doi: 10.1016/j.phytochem.2018.02.018.
[https://linkinghub.elsevier.com/retrieve/pii/S0031-9422\(18\)30056-6](https://linkinghub.elsevier.com/retrieve/pii/S0031-9422(18)30056-6)

Liu R, Wang Y, Conglian L, Zheng Z, Du X, Cui Z, Zhang Y, Liu H:

Morphology and Mass spectrometry-based Chemical Profiling of Peltate glandular trichomes on *Mentha haplocalyx* Briq leaves

Food Research International, 10 December 2022, 112323
<https://doi.org/10.1016/j.foodres.2022.112323>

Liu Y, Luo SH, Schmidt A, Wang GD, Sun GL, Grant M, Kuang C, Yang MJ, Jing SX, Li CH, Schneider B, Gershenzon J, Li SH:

A Geranylarnesyl Diphosphate Synthase Provides the Precursor for Sesterterpenoid (C25) Formation in the Glandular Trichomes of the Mint Species *Leucosceptrum canum*

Plant Cell. 2016 Mar;28(3):804-22. doi: 10.1105/tpc.15.00715.
<http://www.plantcell.org/cgi/pmidlookup?view=long&pmid=26941091>

Liu Z, Li J, Gao C, Miao Y, Cui K:

The cellulose–lignin balance mediated by auxin signal transduction affects the twisted growth of Yunnan pine trunk

Scientia Horticulturae 317 (2023) 112085
<https://doi.org/10.1016/j.scienta.2023.112085>

López-Ráez J, Fernández I, García JM, Berrio E, Bonfante P, Walter MH, Pozo MJ:

Differential spatio-temporal expression of carotenoid cleavage dioxygenases regulates apocarotenoid fluxes during AM symbiosis

Plant Science, 2014 Nov 01, DOI: 10.1016/j.plantsci.2014.10.010
<http://www.sciencedirect.com/science/article/pii/S0168945214002519>

Losa A., Gilardetti R., Pasquini M., Sari Gorla M., Gianfranceschi L.

Morphological and molecular analysis of the interaction between Durum Wheat and Puccinia Triticina

Poster Abstract – 2.20, Proceedings of the 53rd Italian Society of Agricultural Genetics Annual Congress Torino, Italy – 16/19 September, 2009, ISBN 978-88-900622-9-2
http://www.siga.unina.it/SIGA2009/SIGA_2009/2_20.pdf

Lu L, Yang H, Xu Y, Zhang L, Wu J, Yi H:

Laser capture microdissection-based spatiotemporal transcriptomes uncover regulatory networks during seed abortion in seedless Ponkan (*Citrus reticulata*)

Plant J. 2023 Apr 19. doi: 10.1111/tpj.16251.
<https://doi.org/10.1111/tpj.16251>

Ma L, Xin H, Qu L, Zhao J, Yang L, Zhao P, Sun M:

Transcription Profile Analysis Reveals That Zygotic Division Results in Uneven Distribution of Specific Transcripts in Apical/Basal Cells of Tobacco

PLoS One. 2011 Jan 7;6(1):e15971

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0015971>

Martin LB, Nicolas P, Matas AJ, Shinozaki Y, Catalá C, Rose JK:

Laser microdissection of tomato fruit cell and tissue types for transcriptome profiling

Nat Protoc. 2016 Dec;11(12):2376-2388. doi: 10.1038/nprot.2016.146.

<http://www.nature.com/nprot/journal/v11/n12/pdf/nprot.2016.146.pdf>

Martinez CC, Li S, Woodhouse MR, Sugimoto K, Sinha NR:

Spatial transcriptional signatures define margin morphogenesis along the proximal-distal and medio-lateral axes in tomato (*Solanum lycopersicum*) leaves

The Plant Cell, koaa012, <https://doi.org/10.1093/plcell/koaa012>

<https://academic.oup.com/plcell/advance-article/doi/10.1093/plcell/koaa012/6017183>

Masiero S, Colombo L, Grini PE, Schnittger A, Kater MM:

The Emerging Importance of Type I MADS Box Transcription Factors for Plant Reproduction

Plant Cell. 2011 Mar;23(3):865-72. Epub 2011 Mar 4.

<http://www.plantcell.org/content/23/3/865.citation>

Matas AJ, Agustí J, Tadeo FR, Talón M, Rose JK:

Tissue-specific transcriptome profiling of the citrus fruit epidermis and subepidermis using laser capture microdissection

J Exp Bot 61(12):3321-30 (2010)

<http://jxb.oxfordjournals.org/content/61/12/3321.short>

Matias-Hernandez L, Battaglia R, Galbiati F, Rubes M, Eichenberger C, Grossniklaus U, Kater MM, Colombo L:

VERDANDI is a direct target of the MADS domain ovule identity complex and affects embryo sac differentiation in Arabidopsis

Plant Cell. 2010 Jun;22(6):1702-15

<http://www.plantcell.org/content/22/6/1702.short>

Matsye PD, Kumar R, Hosseini P, Jones CM, Tremblay A, Alkharouf NW, Matthews BF, Klink VP:

Mapping cell fate decisions that occur during soybean defense responses

Plant Mol Biol. 2011 Nov;77(4-5):513-28. Epub 2011 Oct 11.

<http://www.springerlink.com/content/107x4477w8173720/>

Mei Z, Zhu K, Yen D, Jia H, Luo W, Ye J, Deng X:

Developing a simple and rapid method for cell-specific transcriptome analysis through laser microdissection: insights from citrus rind with broader implications

Plant Methods. 2024 Jul 27;20(1):113. doi: 10.1186/s13007-024-01242-y.

<https://doi.org/10.1186/s13007-024-01242-y>

Meng D, Zhao J, Zhao C, Luo H, Xie M, Liu R, Lai J, Zhang X, Jin W:

Sequential gene activation and gene imprinting during early embryo development in maize

Plant J. 2017 Nov 24. doi: 10.1111/tpj.13786.

<http://dx.doi.org/10.1111/tpj.13786>

Merelo P, Agustí J, Arbona V, Costa ML, Estornell LH, Gomez-Cadenas A, Coimbra SV, Gomez MD, Perez-Amador MA, Domingo C, Talon M, and Tadeo FR:

Cell Wall Remodeling In Abscission Zone Cells During Ethylene-Promoted Fruit Abscission In Citrus

Front. Plant Sci. | doi: 10.3389/fpls.2017.00126
<http://journal.frontiersin.org/article/10.3389/fpls.2017.00126/abstract>

Millar JL, Khan D, Becker MG, Chan A, Dufresne A, Sumner M, Belmonte MF:
Chalazal seed coat development in *Brassica napus*
Plant Science, Volume 241, December 2015, Pages 45–54
<http://www.sciencedirect.com/science/article/pii/S0168945215300765>

Millar JL, Becker MG, Belmonte MF:
Laser Microdissection of Plant Tissues
Chapter 20, Plant Microtechniques and Protocols Book
ISBN 978-3-319-19943-6, ISBN 978-3-319-19944-3 (eBook)

Mounier T, Navarro-Sanz S, Bureau C, Antoine L, Varoquaux F, Durandet F, Périn C:
A fast, efficient and high-throughput procedure involving laser microdissection and RT droplet digital PCR for tissue-specific expression profiling of rice roots
BMC Mol Cell Biol. 2020 Dec 10;21(1):92. doi: 10.1186/s12860-020-00312-y.
<https://bmcmolcellbiol.biomedcentral.com/articles/10.1186/s12860-020-00312-y>

Muñoz-Sanhueza LG, Lee Y, Tillmann M, Cohen JD, Hvoslef-Eide AK:
Auxin analysis using laser microdissected plant tissues sections
BMC Plant Biol. 2018 Jun 25;18(1):133. doi: 10.1186/s12870-018-1352-z.
<https://bmcpplantbiol.biomedcentral.com/articles/10.1186/s12870-018-1352-z>

Murata, N., Masuda, K., Nishiyama, R., and Nomura, K.:
Construction of a micro-library enriched with genomic replication origins of carrot somatic embryos by laser microdissection
Plant Physiol Biochem 43(6): 513-519 (2005)
<http://dx.doi.org/10.1016/j.plaphy.2005.04.004>

Nagy NE, Sikora K, Krokene P, Hietala AM, Solheim H, and Fossdal CG:
Using laser micro-dissection and qRT-PCR to analyze cell type-specific gene expression in Norway spruce phloem
PeerJ, 2014
<https://peerj.com/articles/362/>

Nakada, M., Komatsu, M., Ochiai, T., Ohtsu, K., Nakazono, M., Nishizawa, N.K., Nitta, K., Nishiyama, R., Kamey, T., and A., K.:
Isolation of MaDEF from *Muscari armeniacum* and analysis of its expression using laser microdissection
Plant Sci. 170: 143-150 (2006)
<http://dx.doi.org/10.1016/j.plantsci.2005.08.021>

Nelson, T., Tausta, S.L., Gandotra, N., and Liu, T.:
Laser microdissection of plant tissue: what you see is what you get
Annu Rev Plant Biol 57: 181-201 (2006)
<http://www.annualreviews.org/doi/full/10.1146/annurev.arplant.56.032604.144138>

Ohtsu, K., Takahashi, H., Schnable, P.S., and Nakazono, M.:
Cell type-specific gene Expression profiling in plants by using a combination of laser microdissection and high-throughput technologies
Plant Cell Physiol. 48(1): 3-7 (2007)
<http://pcp.oxfordjournals.org/content/48/1/3.long>

Oikawa A, Saito K:
Metabolite analyses of single cells

Plant J. 2012 Apr;70(1):30-8. doi: 10.1111/j.1365-313X.2012.04967.x.
<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-313X.2012.04967.x/full>

Okada T, Hu Y, Tucker MR, Taylor JM, Johnson SD, Spriggs A, Tsuchiya T, Oelkers K, Rodrigues JC, Koltunow AM:

Enlarging cells initiating apomixis in *Hieracium praealtum* transition to an embryo sac program prior to entering mitosis

Plant Physiol. 2013 Jul 17.

<http://www.plantphysiol.org/cgi/pmidlookup?view=long&pmid=23864557>

Ortu G, Balestrini R, Pereira PA, Becker JD, Küster H, Bonfante P:

Plant Genes Related to Gibberellin Biosynthesis and Signaling Are Differentially Regulated during the Early Stages of AM Fungal Interactions

Mol Plant. 2012 Mar 26.

<http://mplant.oxfordjournals.org/content/early/2012/03/25/mp.sss027.extract>

Osnato M, Lacchini E, Pilatone A, Dreni L, Grioni A, Chiara M, Horner D, Pelaz S, Kater MM:

Transcriptome analysis reveals rice OsMADS13 as an important repressor of the carpel development pathway in ovules

J Exp Bot. 2020 Oct 9;eraa460. doi: 10.1093/jxb/eraa460.

<https://academic.oup.com/jxb/advance-article-abstract/doi/10.1093/jxb/eraa460/5920377>

Pelletier JM, Chen M, Lin J-Y, Le B, Kirkbride RC, Hur J, Wang T, Chang S-H, Olson A, Nikolov L, Goldberg RB, and Harada JJ:

Dissecting the cellular architecture and genetic circuitry of the soybean seed

PNAS, 30 dec 2024, Vol. 122, No. 1, e2416987121

<https://doi.org/10.1073/pnas.2416987121>

Pelletier JM, Kwong RW, Park S, Le BH, Baden R, Cagliari A, Hashimoto M, Munoz MD, Fischer RL, Goldberg RB, Harada JJ:

LEC1 sequentially regulates the transcription of genes involved in diverse developmental processes during seed development

Proc Natl Acad Sci U S A. 2017 Aug 8;114(32):E6710-E6719. doi: 10.1073/pnas.1707957114. Epub 2017 Jul 24.

<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=28739919>

Perazzolli M, Palmieri MC, Matafora V, Bachi A, Pertot I:

Phosphoproteomic analysis of induced resistance reveals activation of signal transduction processes by beneficial and pathogenic interaction in grapevine

J Plant Physiol. 2016 May 20;195:59-72. doi: 10.1016/j.jplph.2016.03.007.

[http://linkinghub.elsevier.com/retrieve/pii/S0176-1617\(16\)00066-3](http://linkinghub.elsevier.com/retrieve/pii/S0176-1617(16)00066-3)

Pérez-Tienda J, Testillano PS, Balestrini R, Fiorilli V, Azcón-Aguilar C, Ferrol N

GintAMT2, a new member of the ammonium transporter family in the arbuscular mycorrhizal fungus *Glomus intraradices*

Fungal Genet Biol. 2011 Aug 31. [Epub ahead of print]

<http://www.sciencedirect.com/science/article/pii/S1087184511001575>

Perotto S, Rodda M, Benetti A, Sillo F, Ercole E, Rodda M, Girlanda M, Murat C, Balestrini R:

Gene expression in mycorrhizal orchid protocorms suggests a friendly plant-fungus relationship

Planta. 2014 Apr 24.

<http://dx.doi.org/10.1007/s00425-014-2062-x>

Pirrello C, Malacarne G, Moretto M, Lenzi L, Perazzolli M, Zeilmaker T, Van den Ackerveken G, Pilati S, Moser C, Giacomelli L:

Grapevine DMR6-1 Is a Candidate Gene for Susceptibility to Downy Mildew

Biomolecules. 2022; 12(2):182. <https://doi.org/10.3390/biom12020182>
<https://www.mdpi.com/2218-273X/12/2/182>

Popp C, Wamhoff D, Winkelmann T, Maiss E, Grunewaldt-Stöcker G:

Molecular identification of Nectriaceae in infections of apple replant disease affected roots collected by Harris Uni-Core punching or laser microdissection

Journal of Plant Diseases and Protection, 9 May 2020, <https://doi.org/10.1007/s41348-020-00333-x>
<https://link.springer.com/article/10.1007/s41348-020-00333-x>

Priatama RA, Heo J, Kim SH, Rajendran S, Yoon S, Jeong D-H, Choo Y-K, Bae JH, Kim CM, Lee YH, Demura T, Lee YK, Choi E-Y, Han C-d and Park SJ:

Narrow Ipa1 Metaxylems Enhance Drought Tolerance and Optimize Water Use for Grain Filling in Dwarf Rice

Front. Plant Sci. 13:894545. (10 May 2022), doi: 10.3389/fpls.2022.894545
<https://www.frontiersin.org/articles/10.3389/fpls.2022.894545/full>

Qu LH, Zhou X, Li X, Li SS, Zhao J, Zhao P, Liu Y, Sun MX:

The autonomous cell fate specification of basal cell lineage: the initial round of cell fate specification occurs at the two-celled proembryo stage

Plant J. 2017 Jul 3. doi: 10.1111/tpj.13629.
<http://dx.doi.org/10.1111/tpj.13629>

Ragonezi C, Arnholdt-Schmitt B:

Laser Capture Microdissection for Amplification of Alternative Oxidase (AOX) Genes in Target Tissues in *Daucus carota* L.

Methods Mol Biol. 2017;1670:245-252. doi: 10.1007/978-1-4939-7292-0_21.
https://dx.doi.org/10.1007/978-1-4939-7292-0_21

Rahimi A, Karami O, Lestari AD, de Werk T, Amakorová P, Shi D, Novák O, Greb T, Offringa R:

Control of cambium initiation and activity in *Arabidopsis* by the transcriptional regulator AHL15

Curr Biol. 2022 Mar 9:S0960-9822(22)00330-X. doi: 10.1016/j.cub.2022.02.060.
<https://doi.org/10.1016/j.cub.2022.02.060>

Ramsay, K., Jones, M.G.K., and Wang, Z.:

Laser capture microdissection: a novel approach to microanalysis of plant-microbe interactions

Mol Plant Pathology 7(5): 429 (2006)
<http://onlinelibrary.wiley.com/doi/10.1111/j.1364-3703.2006.00348.x/full>

Ren Y, Li M, Guo S, Sun H, Zhao J, Zhang J, Liu G, He H, Tian S, Yu Y, Gong G, Zhang H, Zhang X, Alseekh S, Fernie AR, Scheller HV, Xu Y:

Evolutionary Gain of Oligosaccharide Hydrolysis and Sugar Transport Enhanced Carbohydrate Partitioning in Sweet Watermelon Fruits

Plant Cell. 2021 Feb 11:koab055. doi: 10.1093/plcell/koab055.
<http://www.plantcell.org/cgi/pmidlookup?view=long&pmid=33570606>

Saharan GS, Mehta NK, Meena PD:

Genomics of Crucifer's Host-Pathosystem

Bookchapter, Springer Nature Singapore 2023.
<https://doi.org/10.1007/978-981-19-3812-2>

Saharan G.S., Mehta N.K., Meena P.D.:

Techniques for Molecular Mechanism of Host Resistance

Molecular Mechanism of Crucifer's Host-Resistance. 2022 Jan 01; Springer, Singapore.
https://doi.org/10.1007/978-981-16-1974-8_8

Sakamoto S, Takata N, Oshima Y, Yoshida K, Taniguchi T, Mitsuda N:

Wood reinforcement of poplar by rice NAC transcription factor

Sci Rep. 2016 Jan 27;6:19925. doi: 10.1038/srep19925.

<http://dx.doi.org/10.1038/srep19925>

Sanders, P.M., Bui, A.Q., Le, B.H., and Goldberg, R.B.:

Differentiation and degeneration of cells that play a major role in tobacco anther dehiscence

Sexual Plant Reproduction 17: 219-241 (2005)

<http://www.springerlink.com/content/51p4bwj9c1p058pn/>

Schmidt A, Schmid MW, Grossniklaus U:

Analysis of plant germline development by high-throughput RNA profiling: technical advances and new insights

Plant J. 2012 Apr;70(1):18-29. doi: 10.1111/j.1365-313X.2012.04897.x.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-313X.2012.04897.x/full>

Schneider, B., Hölscher, D.

Laser microdissection and cryogenic nuclear magnetic resonance spectroscopy: an alliance for cell type-specific metabolite profiling

Planta 225(3): 763-770 (2006)

<http://www.springerlink.com/content/m5787044k63758q0/>

Schollaen K, Heinrich I, Helle G:

A novel approach for the preparation of high-resolution stable isotope records from tropical tree-rings

Dendrosymposium 2012/2013: In proceeding of: 11th TRACE conference, At Potsdam/Eberswalde, Germany, Volume: 11

http://www.researchgate.net/publication/255977905_A_novel_approach_for_the_preparation_of_high-resolution_stable_isotope_records_from_tropical_tree_rings

Schollaen K, Heinrich I, Helle G:

UV-laser-based microscopic dissection of tree rings – a novel sampling tool for $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ studies

New Phytol. 2013 Nov 13. doi: 10.1111/nph.12587.

<http://onlinelibrary.wiley.com/doi/10.1111/nph.12587/abstract>

Schollaen K; Heinrich I; Neuwirth B; Krusic P; D'Arrigo R; Karyanto O; Helle G:

Multiple tree-ring chronologies (ring width, $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$) reveal dry and rainy season signals in Indonesia

Geophysical Research Abstracts, Vol. 15, EGU2013-13529, 2013

<http://edoc.gfz-potsdam.de/gfz/20435>

Schollaen K; Helle G:

UV-laser microdissection system - A novel approach for the preparation of high-resolution stable isotope records ($\delta^{13}\text{C}$ / $\delta^{18}\text{O}$) from tree rings

Geophysical Research Abstracts, Vol. 15, EGU2013-1016-2, 2013

<http://edoc.gfz-potsdam.de/gfz/20434>

Shi D, Jouannet V, Agusti J, Kaul V, Levitsky V, Mironova VV, Sanchez P, Greb T :

Tissue-specific transcriptome profiling of the Arabidopsis thaliana inflorescence stem reveals local cellular signatures

bioRxiv, 11 Feb 2020, doi: <https://doi.org/10.1101/2020.02.10.941492>

<https://www.biorxiv.org/content/biorxiv/early/2020/02/10/2020.02.10.941492.full.pdf>

Shi D, Jouannet V, Agustí J, Kaul V, Levitsky V, Sanchez P, Mironova VV, Greb T :

Tissue-specific transcriptome profiling of the Arabidopsis inflorescence stem reveals local cellular signatures

Plant Cell. 2021 Apr 17;33(2):200-223. doi: 10.1093/plcell/koaa019.
<https://academic.oup.com/plcell/article/33/2/200/6017181>

Simeoni F:

Transcriptional Regulation of Stomatal Responses to Stress: From a Model to *Vitis vinifera*

Thesis

https://air.unimi.it/retrieve/handle/2434/252354/343945/phd_unimi_R09732.pdf

Simeoni F, Simoni L, Zottini M, Conti L, Tonelli C, Castorina G, Espen L, and Galbiati M:

Expression of the VvMYB60 Transcription Factor Is Restricted to Guard Cells and Correlates with the Stomatal Conductance of the Grape Leaf

Agronomy 2022, 13 March, 12(3), 694; <https://doi.org/10.3390/agronomy12030694>
<https://www.mdpi.com/2073-4395/12/3/694/htm>

Sinha N, Zahra T, Gahane AY, Rout B, Bhattacharya A, Basu S, Chakrabarti A, Thakur AK:

Protein reservoirs of seeds are amyloid composites employed differentially for germination and seedling emergence

Plant J. 2023 Oct;116(2):329-346. doi: 10.1111/tpj.16429.
<https://doi.org/10.1111/tpj.16429>

Song S, Ma D, Xu C, Guo Z, Li J, Song L, Wei M, Zhang L, Zhong YH, Zhang YC, Liu JW, Chi B, Wang J, Tang H, Zhu X, Zheng HL:

In silico analysis of NAC gene family in the mangrove plant *Avicennia marina* provides clues for adaptation to intertidal habitats

Plant Mol Biol. 2023 Jan 16. doi: 10.1007/s11103-023-01333-9.
<https://link.springer.com/article/10.1007/s11103-023-01333-9>

Stevens ME, Woeste KE, Pijut PM:

Localized gene expression changes during adventitious root formation in black walnut (*Juglans nigra* L.)

Tree Physiol. 2018 Jan 25. doi: 10.1093/treephys/tpx175.
<https://academic.oup.com/treephys/advance-article-abstract/doi/10.1093/treephys/tpx175/4825051>

Sun X, Xiong H, Jiang C, Zhang D, Yang Z, Huang Y, Zhu W, Ma S, Duan J, Wang X, Liu W, Guo H, Li G, Qi J, Liang C, Zhang Z, Li J, Zhang H, Han L, Zhou Y, Peng Y, Li Z.:

Natural variation of DROT1 confers drought adaptation in upland rice

Nat Commun. 2022 Jul 23;13(1):4265. doi: 10.1038/s41467-022-31844-w.
<https://www.nature.com/articles/s41467-022-31844-w>

Sun XX, Liu Z, Liu R, Bucher J, Zhao J, Visser RGF, Bonnema G:

Transcriptomic analyses to summarize gene expression patterns that occur during leaf initiation of Chinese cabbage

Horticulture Research, 2024

<https://academic.oup.com/hr/advance-article/doi/10.1093/hr/uhae059/7616063>

Svistoonoff, S., Creff, A., Reymond, M., Sigoillot-Claude, C., Ricaud, L., Blanchet, A., Nussaume, L., and Desnos, T.:

Root tip contact with low-phosphate media reprograms plant root architecture

Nat Genet 39(6): 792-796 (2007)
<http://www.nature.com/ng/journal/v39/n6/full/ng2041.html>

Ta KN, Yoshida MW, Tezuka T, Shimizu-Sato S, Nosaka-Takahashi M, Toyoda A, Suzuki T, Goshima G, Sato Y:

Control of plant cell growth and proliferation by MO25A, a conserved major component of the Mammalian Sterile20-like kinase pathway

Plant Cell Physiol. 2023 Jan 13;pcad005. doi: 10.1093/pcp/pcad005.
<https://doi.org/10.1093/pcp/pcad005>

Tadeo FR, Agustí J, Merelo P, Talón M:

Laser Microdissection: A High-Precision Approach to Isolate Specific Cell Types from Any Plant Species for Downstream Molecular Analyses

Methods Mol Biol. 2023;2642:365-373. doi: 10.1007/978-1-0716-3044-0_19
https://link.springer.com/protocol/10.1007/978-1-0716-3044-0_19

Takahashi N, Hirata Y, Aihara K, Mas P:

A Hierarchical Multi-oscillator Network Orchestrates the Arabidopsis Circadian System

Cell. 2015 Sep 24;163(1):148-59. doi: 10.1016/j.cell.2015.08.062.
[http://linkinghub.elsevier.com/retrieve/pii/S0092-8674\(15\)01114-9](http://linkinghub.elsevier.com/retrieve/pii/S0092-8674(15)01114-9)

Takahashi H, Saika H, Matsumura H, Nagamura Y, Tsutsumi N, Nishizawa NK, Nakazono M:

Cell division and cell elongation in the coleoptile of rice alcohol dehydrogenase 1-deficient mutant are reduced under complete submergence

Ann Bot. 2011 Aug;108(2):253-61
<http://aob.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=21788375>

Tan YY, Li DS, Hua J, Luo SH, Liu Y, Li SH:

Localization of a Defensive Volatile 4-Hydroxy-4-methylpentan-2-one in the Capitate Glandular Trichomes of *Oenothera glazioviana*

Plant Diversity, 17 May 2017, ISSN 2468-2659, <https://doi.org/10.1016/j.pld.2017.05.004>.
<http://www.sciencedirect.com/science/article/pii/S2468265917300343>

Tanaka H, Hashimoto N, Kawai S, Yumoto E, Shibata K, Tameshige T, Yamamoto Y, Sugimoto K, Asahina M, Ikeuchi M:

Auxin-induced WUSCHEL-RELATED HOMEODOMAIN13 Mediates Asymmetric Activity of Callus Formation upon Cutting

Plant Cell Physiol. 2022 Oct 20;pcac146. doi: 10.1093/pcp/pcac146.
<https://doi.org/10.1093/pcp/pcac146>

Tang T, Li CH, Li DS, Jing SX, Hua J, Luo SH, Liu Y, Li SH

Peltate glandular trichomes of *Colquhounia vestita* harbor diterpenoid acids that contribute to plant adaptation to UV radiation and cold stresses

Phytochemistry. 2020 Feb 5;172:112285. doi: 10.1016/j.phytochem.2020.112285.
[https://linkinghub.elsevier.com/retrieve/pii/S0031-9422\(19\)31021-0](https://linkinghub.elsevier.com/retrieve/pii/S0031-9422(19)31021-0)

Tezuka T, Nosaka-Takahashi M, Yoshikawa T, Sato Y

RNA Extraction from Rice Immature Embryo Using Laser Capture Microdissection

Methods in Molecular Biology, vol 2869. (2025) in: Kawakatsu, T. (eds) Rice.
https://doi.org/10.1007/978-1-0716-4204-7_4

Thakare D, Yang R, Steffen JG, Zhan J, Wang D, Clark RM, Wang X, Yadegari R:

RNA-Seq analysis of laser-capture microdissected cells of the developing central starchy endosperm of maize

Genomics Data, Volume 2, December 2014, Pages 242–245
<http://www.sciencedirect.com/science/article/pii/S2213596014000610>

Tsuji, H., Aya, K., Ueguchi-Tanaka, M., Shimada, Y., Nakazono, M., Watanabe, R., N.K., N., Gomi, K., Shimada, A., Kitano, H., Ashikari, M., and Matsuoka, M.:

GAMYB controls different sets of genes and is differentially regulated by microRNA in aleurone cells and anthers

Plant Journal 47: 427 (2006)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-313X.2006.02795.x/full>

Tu T, Gao Z, Li L, Chen J, Ye K, Xu T, Mai S, Han Q, Chen C, Wu S, Dong Y, Chen J, Huang L, Guan Y, Xie F, Chen X:

Soybean symbiotic-nodule zonation and cell differentiation are defined by NIN2 signaling and GH3-dependent auxin homeostasis

Dev Cell. 2024 Jul 17:S1534-5807(24)00424-6. doi: 10.1016/j.devcel.2024.07.001.

<https://doi.org/10.1016/j.devcel.2024.07.001>

Velada I, Menéndez E, Teixeira RT, Cardoso H, and Peixe A:

Laser Microdissection of Specific Stem-Base Tissue Types from Olive Microcuttings for Isolation of High-Quality RNA

Biology 2021, 10, 209. <https://doi.org/10.3390/biology10030209>

<https://www.mdpi.com/2079-7737/10/3/209>

Wang Y, Liu Y-C, Li W-Y, Guo K, Liu Y, Li S-H:

Antifeedant, cytotoxic, and anti-inflammatory neo-clerodane diterpenoids in the peltate glandular trichomes and fresh leaves of *Ajuga forrestii*

Phytochemistry, Volume 186, June 2021, 112731

<https://doi.org/10.1016/j.phytochem.2021.112731>

Wang H, Yang H, Wen Z, Gao C, Gao Y, Tian Y, Xu Z, Liu X, Persson S, Zhang B, Zhou Y:

Xylan-based nanocompartments orchestrate plant vessel wall patterning

Nat Plants. 2022 Mar;8(3):295-306. doi: 10.1038/s41477-022-01113-1. Epub 2022 Mar 22.

<https://www.nature.com/articles/s41477-022-01113-1>

Wang Y, Luo SH, Hua J, Liu Y, Jing SX, Li XN, Li SH:

Capitate Glandular Trichomes of *Paragutzlaffia henryi* Harbor New Phytotoxic Labdane Diterpenoids

J Agric Food Chem. 2015 Oct 29.

<http://dx.doi.org/10.1021/acs.jafc.5b04113>

Watanabe U, Abe H, Futamura N, Shinohara K, Funada R, Nakaba S, Yamagishi Y:

Variation of Gene Expression of Tubulin Isotypes in the Tree Cambium

Growth dynamics & morphogenesis Monday 30 November 11:00-12:40

<https://hal.inrae.fr/hal-03250254/document#page=34>

Wen Z, Xu Z, Zhang L, Xue Y, Wang H, Jian L, Ma J, Liu Z, Yang H, Huang S, Kang X, Zhou Y, Zhang B:

XYLAN O-ACETYLTRANSFERASE 6 promotes xylan synthesis by forming a complex with IRX10 and governs wall formation in rice

Plant Cell. 2024 Dec 23;37(1):koae322. doi: 10.1093/plcell/koae322.

<https://dx.doi.org/10.1093/plcell/koae322>

Whitehill JGA, Yuen MMS, Chiang A, Ritland CE, Bohlmann J:

Transcriptome features of stone cell development in weevil-resistant and susceptible Sitka spruce

New Phytol. 2023 Jul 4. doi: 10.1111/nph.19103.

<https://doi.org/10.1111/nph.19103>

Wu H, Li G, Zhan J, Zhang S, Beall BD, Yadegari R, Becraft PW:

Rearrangement with the *nkd2* promoter contributed to allelic diversity of the *r1* gene in maize (*Zea mays*)

Plant J. 2022 Jul 25. doi: 10.1111/tpj.15918.

<https://onlinelibrary.wiley.com/doi/epdf/10.1111/tpj.15918>

Xiao CJ, Liu YC, Luo SH, Hua J, Liu Y, Li SH:

Localisation of Two Bioactive Labdane Diterpenoids in the Peltate Glandular Trichomes of *Leonurus japonicus* by Laser Microdissection Coupled with UPLC-MS/MS

Phytochem Anal. 2017 May 9. doi: 10.1002/pca.2687.

<http://onlinelibrary.wiley.com/doi/10.1002/pca.2687/full>

Xiao Y, Zhang H, Li Z, Huang T, Akihiro T, Xu J, Xu H, Lin F:

An amino acid transporter-like protein (OsATL15) facilitates the systematic distribution of thiamethoxam in rice for controlling the brown planthopper

Plant Biotechnol J. 2022 Jun 9. doi: 10.1111/pbi.13869.

<https://onlinelibrary.wiley.com/doi/pdf/10.1111/pbi.13869>

Xie W, Zhang H, Zeng J, Chen H, Zhao Z, Liang Z:

Tissues-based chemical profiling and semi-quantitative analysis of bioactive components in the root of *Salvia miltiorrhiza* Bunge by using laser microdissection system combined with UPLC-q-TOF-MS

Chem Cent J. 2016 Jul 13;10:42. doi: 10.1186/s13065-016-0187-7. eCollection 2016.

<http://www.journal.chemistrycentral.com/content/10/42>

Xu C, Wang X, Han J, Gu Z, Guo Q:

LMD and LC-MS-based chemical constituents and pharmacological effects assessment for two different processing methods of the root of *Paeonia lactiflora* Pall

Journal of Pharmaceutical and Biomedical Analysis, 27 April 2024, 116184

<https://doi.org/10.1016/j.jpba.2024.116184>

Xu R, Lu J, Wu J, Yu D, Chu S, Guan F, Liu W, Hu J, Peng H, Zha L:

Comparative analysis in different organs and tissue-specific metabolite profiling of *Atractylodes lancea* from four regions by GC-MS and laser microdissection

J Sep Sci. 2021 Dec 28. doi: 10.1002/jssc.202100924.

<https://analyticalsciencejournals.onlinelibrary.wiley.com/doi/epdf/10.1002/jssc.202100924>

Yamada K, Nakanowatari M, Yumoto E, Satoh S, Asahina M:

Spatiotemporal plant hormone analysis from cryosections using laser microdissection-liquid chromatography-mass spectrometry

J Plant Res. 2021 Nov 23. doi: 10.1007/s10265-021-01360-x.

<https://link.springer.com/article/10.1007/s10265-021-01360-x>

Yang H, Wang J, Kang X:

Meiotic chromosome preparation techniques of pollen mother cells for laser micro-dissection in *Populus* spp.

Forestry Studies in China, June 2010, Volume 12, Issue 2, pp 74-78

<http://link.springer.com/article/10.1007%2Fs11632-010-0014-5>

Yang MJ, Luo SH, Liu Y, Li SH:

Defensive furofuran lignans localized to the oil cells of *Neocinnamomum delavayi* and their metabolism by a specialist insect

Phytochemistry. 2023 Sep 8;113852. doi: 10.1016/j.phytochem.2023.113852.

<https://doi.org/10.1016/j.phytochem.2023.113852>

Yoshida M, Sato S, Kawamoto T, Kawamoto K, Saigusa D, Uruno A, Saito R, Matsuo-Ueda M, and Yamamoto H:

Cryosection preparation for histological study, gene expression analysis and imaging mass spectrometry

Journal of Plant Biology Research, 21 Mar 2019, 1(1): 1-7
<https://pdfs.semanticscholar.org/a785/4424a690a99b5e6fd25dedcc262298ae5eaf.pdf>

Yoshikay-Benitez DA, Ohira K, Banerjee K, Fujita K, Shigeto J, and Tsutsumi Y:
The Populus alba cationic cell-wall-bound peroxidase (CWPO-C) regulates plant growth, lignin content and composition in poplar
J Wood Sci 69, 12 (2023).
<https://doi.org/10.1186/s10086-023-02086-1>

Yu C, Zhang D, Zhang L, Fang Z, Zhang Y, Lin W, Ma R, Zheng M, Bai E, Shen C:
Role of an endodermis-specific miR858b-MYB1L module in the regulation of Taxol biosynthesis in Taxus mairei
The plant journal, Volume 122, Issue 1, 05 April 2025, e70135
<https://doi.org/10.1111/tpj.70135>

Zeng T, Holmer R, Hontelez J, Te Lintel-Hekkert B, Marufu L, de Zeeuw T, Wu F, Schijlen E, Bisseling T, Limpens E:
Host- and stage-dependent secretome of the arbuscular mycorrhizal fungus Rhizophagus irregularis
Plant J. 2018 Mar 23. doi: 10.1111/tpj.13908.
<http://dx.doi.org/10.1111/tpj.13908>

Zhan J, Thakare D, Ma C, Lloyd A, Nixon NM, Arakaki AM, Burnett WJ, Logan KO, Wang D, Wang X, Drews GN, Yadegari R:
RNA Sequencing of Laser-Capture Microdissected Compartments of the Maize Kernel Identifies Regulatory Modules Associated with Endosperm Cell Differentiation
Plant Cell. 2015 Mar 17. pii: tpc.114.135657.
<http://www.plantcell.org/cgi/pmidlookup?view=long&pmid=25783031>

Zhang B, Zhang L, Li F, Zhang D, Liu X, Wang H, Xu Z, Chu C, Zhou Y:
Control of secondary cell wall patterning involves xylan deacetylation by a GDSL esterase
Nat Plants. 2017 Mar 3;3:17017. doi: 10.1038/nplants.2017.17.
<http://dx.doi.org/10.1038/nplants.2017.17>

Zhang D, Xu, Z, Cao S, Chen K, Li S, Liu X, Gao X, Zhang B, Zhou Y:
An uncanonical CCCH-tandem zinc finger protein represses secondary wall synthesis and controls mechanical strength in rice
Molecular Plant, 1674-2052, doi.org/10.1016/j.molp.2017.11.004
<https://www.sciencedirect.com/science/article/pii/S1674205217303386>

Zhang S, Ghatak A, Mohammad Bazargani M, Kramml H, Zang F, Gao S, Ramšak Ž, Gruden K, Varshney RK, Jiang D, Chaturvedi P, Weckwerth W:
Cell-type proteomic and metabolomic resolution of early and late grain filling stages of wheat endosperm
Plant Biotechnol J. 2023 Dec 4. doi: 10.1111/pbi.14203.
<https://doi.org/10.1111/pbi.14203>

Zhang S, Thakare D, Yadegari R:
Laser-Capture Microdissection of Maize Kernel Compartments for RNA-Seq-Based Expression Analysis
Methods Mol Biol. 2018;1676:153-163. doi: 10.1007/978-1-4939-7315-6_9.
https://dx.doi.org/10.1007/978-1-4939-7315-6_9

Zhang Y, Cheng P, Wang Y, Li Y, Su J, Chen Z, Yu X, Shen W:

Genetic elucidation of hydrogen signaling in plant osmotic tolerance and stomatal closure via hydrogen sulfide

Free Radical Biology and Medicine, 2020, ISSN 0891-5849

<https://doi.org/10.1016/j.freeradbiomed.2020.09.021>.

Zhao Y, Chu S, Gui S, Qin Y, Xu R, Shan T, Peng H:

Tissue-specific metabolite profiling of Fallopi multiflora (Heshouwu) and Fallopi multiflora var. angulata by mass spectrometry imaging and laser microdissection combined with UPLC-Q/TOF-MS

Journal of Pharmaceutical and Biomedical Analysis, Volume 200, 5 June 2021, 114070

<https://www.sciencedirect.com/science/article/abs/pii/S0731708521001813#!>

Zheng J, Xi M, Lü Y, Lu Y and Shi J:

Transcriptional Analysis Provides New Insights into Cold- and Dehydration-Tolerance Signaling Pathways and on Regulation of Stem Cell Activity in the Vascular Cambium of Poplar

Plant Molecular Biology Reporter, 2012, DOI: 10.1007/s11105-012-0478-7

<http://www.springerlink.com/content/j9m521110p310220/?MUD=MP>

Zhong Y, Chen Y, Pan M, Li X, Hebelstrup K, Cai J, Zhou Q, Dai T, Cao W, Jiang D:

Transport and spatio-temporal conversion of sugar facilitate the formation of spatial gradients of starch in wheat caryopses

Commun Biol. 2024 Aug 2;7(1):928. doi: 10.1038/s42003-024-06625-4.

<https://doi.org/10.1038/s42003-024-06625-4>

Zhou Q, Xu X, Li M, Yang X, Wang M, Li Y, Liu T, Hou X:

Laser capture microdissection transcriptome (LCM RNAseq) reveals BcDFR is a key gene in anthocyanin synthesis of Non-heading Chinese cabbage

Research Square, 28th Nov 2023

<https://doi.org/10.21203/rs.3.rs-3638548/v1>

Zhou TT, Zheng Y, Zhang MW, Gong LH, Guo K, He XP, Liu YC, Gershenzon J, Liu Y, Li SH:

Plant defense-directed discovery of a natural anti-psoriasis agent targeting GAPDH

Sci Adv. 2025 Jul 25;11(30):eadw2578. doi: 10.1126/sciadv.adw2578.

<https://doi.org/10.1126/sciadv.adw2578>

Zhou W, Liang Z, Li P, Zhao Z, Chen J:

Tissue-specific chemical profiling and quantitative analysis of bioactive components of Cinnamomum cassia by combining laser-microdissection with UPLC-Q/TOF-MS

Chem Cent J. 2018 Jun 21;12(1):71. doi: 10.1186/s13065-018-0438-x.

<https://link.springer.com/content/pdf/10.1186%2Fs13065-018-0438-x.pdf>

Zhou X, Liu Z, Shen K, Zhao P, Sun MX:

Cell lineage-specific transcriptome analysis for interpreting cell fate specification of proembryos

Nat Commun. 2020 Mar 13;11(1):1366. doi: 10.1038/s41467-020-15189-w.

<http://dx.doi.org/10.1038/s41467-020-15189-w>

Zhou X, Shi C, Zhao P, Sun M:

Isolation of living apical and basal cell lineages of early proembryos for transcriptome analysis

Plant Reprod. 2018 Dec 13. doi: 10.1007/s00497-018-00353-6.

<https://link.springer.com/article/10.1007/s00497-018-00353-6>

Ziegler D:

Transcriptomic, Small RNA, and epigenetic atlas of the *Brassica napus* seed

Thesis, 2023

<https://mspace.lib.umanitoba.ca/server/api/core/bitstreams/bd32e6e9-37af-4b4a-bc2c-6a3116ba2790/content>

Ziegler DJ, Khan D, Kalichuk JL, Becker MG, Belmonte MF:
Transcriptome landscape of the early *Brassica napus* seed
J Integr Plant Biol. 2019 Apr 2. doi: 10.1111/jipb.12812.
<https://doi.org/10.1111/jipb.12812>

Ziegler DJ, Khan D, Kalichuk JL, Becker MG, Pasha A, Provart NJ, Belmonte MF:
Gene expression landscape of the *Brassica napus* seed reveals subgenome bias in both space and time.
Plant Physiol. 2025 Jun 28:kiaf283. doi: 10.1093/plphys/kiaf283.
<https://doi.org/10.1093/plphys/kiaf283>

Zuo Z, Zheng Y, Liang Z, Liu Y, Tang Q, Liu X, Zhao Z, Zeng J:
Tissue-specific metabolite profiling of benzylisoquinoline alkaloids in the root of *Macleaya cordata* by combining laser microdissection with ultra-high-performance liquid chromatography/tandem mass spectrometry
Rapid Commun Mass Spectrom. 2017 Mar 15;31(5):397-410. doi: 10.1002/rcm.7804.
<https://www.semanticscholar.org/paper/Tissue-specific-metabolite-profiling-of-alkaloids-Zuo-Zheng/0cc7e9818779d2c3ab64ece4803b1c1e5fde9d1c>

12. Forensics

Ballantyne J, Hanson EK, Perlin MW:

DNA mixture genotyping by probabilistic computer interpretation of binomially-sampled laser captured cell populations: Combining quantitative data for greater identification information

Science & Justice, ISSN 1355-0306, 10.1016/j.scijus.2012.04.004

<http://www.sciencedirect.com/science/article/pii/S1355030612000603>

Ballantyne J, van Daal A, and Lubenow H:

Improved Detection of Male DNA in Post-Coital Samples

Biological Evidence, Department of Justice, National Institute of Justice, Award Number: 2007-DN-BX-K147

<https://www.ncjrs.gov/pdffiles1/nij/grants/241298.pdf>

Bright JA, Vetha JS, Vintinera SK, Cockertona SL, Curnowa N, Dalzella JA, Meredith ML

Laser microdissection methodology in forensic casework

Australian Journal of Forensic Sciences, Nov 2011, DOI: 10.1080/00450618.2011.622295

<http://www.tandfonline.com/doi/abs/10.1080/00450618.2011.622295>

Chong KWY, Thong Z, Kiu-Choong Syn C :

Recent trends and developments in forensic DNA extraction

WIREs Forensic Science, 30 July 2020, DOI: 10.1002/wfs2.1395

<https://onlinelibrary.wiley.com/doi/abs/10.1002/wfs2.1395>

Clark M, Gill J, Sasinouski K, McGuire A:

Cold Case Homicides: DNA Testing of Retained Autopsy Sexual Assault Smears

J Forensic Sci. 2019 Feb 7. doi: 10.1111/1556-4029.14023.

<https://doi.org/10.1111/1556-4029.14023>

Dash HR:

Advancements in differentiation between sperm cells and epithelial cells for efficient forensic DNA analysis in sexual assault cases

Int J Legal Med. 2024 Jul 12. doi: 10.1007/s00414-024-03285-1.

<https://doi.org/10.1007/s00414-024-03285-1>

Di Martino, D., Giuffre, G., Staiti, N., Simone, A., Le Donne, M., and Saravo, L.:

Single sperm cell isolation by laser microdissection

Forensic Sci Int 146 Suppl: S151-153 (2004)

<http://www.fsijournal.org/article/S0379-0738%2804%2900528-6/abstract>

Di Martino, D., Giuffre, G., Staiti, N., Simone, A., Todaro, P., and Saravo, L.:

Laser microdissection and DNA typing of cells from single hair follicles

Forensic Sci Int 146 Suppl: S155-157 (2004)

<http://www.fsijournal.org/article/S0379-0738%2804%2900529-8/abstract>

England R, Nancollis G, Stacey J, Sarman A, Min J, Harbison SA:

Compatibility of the ForenSeq™ DNA Signature Prep Kit with laser microdissected cells: An exploration of issues that arise with samples containing low cell numbers

Forensic Science International: Genetics, 1 May 2020, 102278

<https://www.sciencedirect.com/science/article/abs/pii/S187249732030051X>

Fleming R, Harbison SA, Lin MH:

New RNA methods for the identification of body fluids and cell types

Forensic Science International: Genetics Supplement Series, 1875-1768

<http://dx.doi.org/10.1016/j.fsigss.2013.10.044>

Gunn P, Roebuck H, Summerell A:

Forensic Biology – Expert Evidence

Bookchapter, reviewed March 2017

<http://www.advocacymatters.com.au/images/CH-81---Forensic-biology.pdf>

Hansson O, Egeland T, Gill P:

Characterization of degradation and heterozygote balance by simulation of the forensic DNA analysis process

Int J Legal Med. 2016 Nov 3

<https://dx.doi.org/10.1007/s00414-016-1453-x>

Hymus CM, Egan SE and Tay JW:

Development of a Simple Cell Harvesting Method to Maximise DNA Recovery from Historic Microscope Slides for Sexual Assault Investigations

Forensic Sci. 2022, 2(4), 795-807

<https://doi.org/10.3390/forensicsci2040057>

Langley, K.B., Valentine, J.A., and Wojkiewicz, P.W.:

Application of Leica AS Laser Microdissection microsystem to expedite forensic sexual assault casework

16th International Symposium on Human Identification Grapevine (Texas) (2005)

<http://www.promega.com/%7E/media/files/resources/conference%20proceedings/ishi%2016/oral%20presentations/langley.ashx?la=en>

Lee, A.K.:

Laser Microdissection for rapid separation of spermatozoa or male epithelial cells from cell mixtures from sexual assault evidence, and other applications for forensic analysis

International Association of Forensic Sciences (IAFS), Hong Kong, China: Supp 2 (2005)

<http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=456530>

Lee, A.K.:

Laser Microdissection for Rapid Separation of Spermatozoa or Male Epithelial Cells from Cell Mixtures from Sexual Assault Evidence, and Other Applications for Forensic Analysis

Microsc Microanal 12: Supp 2 (2006)

<http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=456530>

Leonov S, Zemskova E, Ivanov P:

LMD-assisted single cell DNA typing of forensic biological evidence: Issues of the cell type and sample condition

Forensic Science International: Genetics Supplement Series, doi:10.1016/j.fsigss.2011.08.023

<http://www.sciencedirect.com/science/article/pii/S1875176811000242>

Lynch L, Gamblin A, Vintiner S, Simons JL:

STR profiling of epithelial cells identified by X/Y-FISH labelling and laser microdissection using standard and elevated PCR conditions

Forensic Sci Int Genet. 2014 Oct 25;16C:1-7. doi: 10.1016/j.fsigen.2014.10.017.

[http://linkinghub.elsevier.com/retrieve/pii/S1872-4973\(14\)00233-6](http://linkinghub.elsevier.com/retrieve/pii/S1872-4973(14)00233-6)

Meredith M, Bright JA, Cockerton S, Vintiner S:

Development of a one-tube extraction and amplification method for DNA analysis of sperm and epithelial cells recovered from forensic samples by laser microdissection

Forensic Sci Int Genet. 2012 Jan;6(1):91-6. Epub 2011 Mar 15

<http://dx.doi.org/10.1016/j.fsigen.2011.02.007>

Nancollis G, England R, Harbison SA:

Establishing the limit of detection of massively parallel sequencing using laser micro-dissected cells

Forensic Science International: Genetics Supplement Series, Sep 2017

[http://www.fsigeneticssup.com/article/S1875-1768\(17\)30174-9/abstract](http://www.fsigeneticssup.com/article/S1875-1768(17)30174-9/abstract)

O'Brien BJ:

Application of Optical Trapping to Obtain Single-Source STR Profiles from Forensically Relevant Body Fluid Mixtures and Body Fluid Mixtures with and without Modified DNA Analysis Workflow

Thesis, 28 April 2020

<https://scholarscompass.vcu.edu/cgi/viewcontent.cgi?article=7289&context=etd>

Ping YS, Shun Chang XL, Goh SK, Choong Syn CK:

Optimization of Spermatozoa Detection using Immunofluorescent Staining and Laser Micro-Dissection

Forensic Science International, 13 Jul 2015

<http://www.fsijournal.org/article/S0379-0738%2815%2900278-9/abstract>

Prajapati S, Rajmane P, Jayakrishna P, Nair MS, Kshirsagar P and Meshram M:

Application and utility of alternative methods in isolation of pure cells from forensic biological mixtures in modern-day: a review

JFSR – Journal of Forensic Science and Research, Aug 2021, ISSN 2575-0186

<https://www.heighpubs.org/jfsr/jfsr-aid1026.php>

Rhodes C:

Population Genetic Issues for Forensic DNA Profiles

NCJRS, Document Number: 304612, Date Received: April 2022, Award Number: 2017-DN-BX-0136

<https://www.ojp.gov/pdffiles1/nij/grants/304612.pdf>

Robino, C., Barilaro, M.R., Gino, S., Chiarle, R., Palestro, G., and Torre, C.:

Incestuous paternity detected by STR-typing of chorionic villi isolated from archival formalin-fixed paraffin-embedded abortion material using laser microdissection

J Forensic Sci 51(1): 90-92 (2006)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1556-4029.2005.00013.x/full>

Sanders, C.T.:

The Use and Development of Laser Microdissection to Separate Spermatozoa from Epithelial Cells for STR Analysis

PhD Thesis (2005)

http://etd.fcla.edu/CF/CFE0000876/Sanders_Christine_T_200512_MS.pdf

Sanders, C.T., Reisenbigler, E., and Person, D.A.:

Laser Microdissection Separation of Pure Spermatozoa Populations from Mixed Cell Samples for Forensic DNA Analysis

National Institute of Justice, Office of Justice Programs, Grant #2004-DN-BX-K215

<https://www.ncjrs.gov/pdffiles1/nij/grants/217268.pdf>

Sanders, C.T., Reisenbigler, E., and Person, D.A.:

Laser Microdissection for low copy number analysis of sperm from mixtures

American Academy of Forensic Sciences, Proceedings 12: 95 (2006)

http://www.nij.gov/topics/forensics/events/dnagrantees/2006/2006_dna_abstracts.pdf

Sanders, C.T., Sanchez, N., Ballantyne, J., and Person, D.A.:

Laser Microdissection for separation of cell mixtures for STR analysis

International Association of Forensic Sciences (IAFS), Hong Kong, China (2005)
http://www.nij.gov/topics/forensics/events/dnagrantees/2005/Final_Abstracts.pdf

Sanders, C.T., Sanchez, N., Ballantyne, J., and Peterson, D.A.:
Laser microdissection separation of pure spermatozoa from epithelial cells for short tandem repeat analysis

J Forensic Sci 51(4): 748-757 (2006)
<http://onlinelibrary.wiley.com/doi/10.1111/j.1556-4029.2006.00180.x/full>

Simons JL, Vintiner SK:
Efficacy of Several Candidate Protein Biomarkers in the Differentiation of Vaginal from Buccal Epithelial Cells

J Forensic Sci. 2012 May 21. doi: 10.1111/j.1556-4029.2012.02158.x
<http://dx.doi.org/10.1111/j.1556-4029.2012.02158.x>

Subramanyam Reddy, Lakshmi:
Validation of Leica LMD 6000 Microscope for the Separation of Sperm and Epithelial Cells

Theses and Dissertations. Paper 39 (Master Thesis, 2009)
<http://digitalcommons.hsc.unt.edu/theses/39>

Sun M, Zheng J, Wnag B and Yao J:
Sperm Cell Capture Based on ABH Antigen Differences to Separate Two Men in Mixed Seminal Stains

BioMed Research International, Volume 2021 | Article ID 7269237
<https://doi.org/10.1155/2021/7269237>

Tao R, Wang S, Zhang J, Zhang J, Yang Z, Sheng X, Hou Y, Zhang S, Li C:
Separation/extraction, detection, and interpretation of DNA mixtures in forensic science (review)

Int J Legal Med. 2018 May 25. doi: 10.1007/s00414-018-1862-0.
<https://dx.doi.org/10.1007/s00414-018-1862-0>

Thorpe S.M., Pedersen N.A., Seddon T.J., Prince D.V., Goucher M.J., van Oorschot R.A.H.:
Laser microdissection: Checking that the dissected cells are recovered for DNA extraction
Forensic Science International: Genetics Supplement Series (2011), doi:10.1016/j.fsigs.2011.08.073
<http://www.sciencedirect.com/science/article/pii/S1875176811000746>

Thorpe S.M., Prince D.V., van Oorschot R.A.H.:
Comparison of extraction methods for spermatozoa recovered using laser microdissection
Forensic Science International: Genetics Supplement Series (2011), doi:10.1016/j.fsigs.2011.08.074
<http://www.sciencedirect.com/science/article/pii/S1875176811000758>

Ullah S, Garg RK, Noor F:
DNA perspectives of fixed and paraffin embedded human tissues as resource materials for the identification

Egyptian Journal of Forensic Sciences (2017) 7:23
<https://link.springer.com/content/pdf/10.1186%2Fs41935-017-0027-5.pdf>

Vintiner SK, Veth JS, and Bright J-A:
A review of DNA profiling success for laser microdissected forensic casework samples
Australian Journal of Forensic Sciences; Volume 52, 2020 - Issue 3, Pages 282-292 | 13 Nov 2018
<https://www.tandfonline.com/doi/full/10.1080/00450618.2018.1510030>

Williams E, Lin MH, Harbison SA, Fleming R:
The development of a method of suspension RNA-FISH for forensically relevant epithelial cells using LNA probes

Forensic science international. Genetics 9 December 2013, DOI: 10.1016/j.fsigen.2013.11.007

<http://www.fsigenetics.com/article/S1872-4973%2813%2900245-7/abstract>

Zhang L, Ding M, Pang H, Xing J, Xuan J, Wang C, Lin Z, Han S, Liang K, Li C, Yao J, Wang B:
Mitochondrial DNA Typing of Laser-captured Single Sperm Cells to Differentiate Individuals in a Mixed Semen Stain

Electrophoresis. 2016 May 26. doi: 10.1002/elps.201600009.

<http://onlinelibrary.wiley.com/doi/10.1002/elps.201600009/abstract>

General Information:

http://projects.nfstc.org/tech_transition/lmd/examiners/

13. Miscellaneous

Abe J, Ueha S, Yoneyama H, Shono Y, Kurachi M, Goto A, Fukayama M, Tomura M, Kakimi K, Matsushima K:

B cells regulate antibody responses through the medullary remodeling of inflamed lymph nodes

Int Immunol. 2012 Jan;24(1):17-27.

<http://intimm.oxfordjournals.org/content/24/1/17.short>

Acland, M.; Mittal, P.; Arentz, G.; Whitehead, F.; Hoffmann, P.; Klingler-Hoffmann, M.; Oehler, M.K. A:
Protocol for the Acquisition of Comprehensive Proteomics Data from Single Cases Using Formalin-Fixed Paraffin Embedded Sections

Methods Protoc. 2022, 5, 57.

<https://doi.org/10.3390/mps5040057>

Afshari P, Yao WD, Middleton FA:

Reduced Slc1a1 expression is associated with neuroinflammation and impaired sensorimotor gating and cognitive performance in mice: Implications for schizophrenia

PLoS One. 2017 Sep 8;12(9):e0183854. doi: 10.1371/journal.pone.0183854. eCollection 2017.

<http://dx.plos.org/10.1371/journal.pone.0183854>

Al-Azzawi MSM, Kunaschk M, Mraz K, Freier KP, Knoop O, Drewes JE:

Digest, stain and bleach: Three steps to achieving rapid microplastic fluorescence analysis in wastewater samples

Sci Total Environ. 2022 Dec 16:160947. doi: 10.1016/j.scitotenv.2022.160947.

<https://doi.org/10.1016/j.scitotenv.2022.160947>

Almeida D, Turecki G:

Profiling cell-type specific gene expression in post-mortem human brain samples through laser capture microdissection

Methods. 2022 Sep 2:S1046-2023(22)00196-7. doi: 10.1016/j.ymeth.2022.08.013.

<https://www.sciencedirect.com/science/article/pii/S1046202322001967>

Alonso C, Musat N, Adam B, Kuypers M, Amann R

HISH-SIMS analysis of bacterial uptake of algal-derived carbon in the Río de la Plata estuary

Syst Appl Microbiol. 2012 Sep 28. pii: S0723-2020(12)00109-9. doi: 10.1016/j.syapm.2012.08.004.

<http://www.sciencedirect.com/science/article/pii/S0723202012001099>

Antoniades CG, Quaglia A, Taams LS, Mitry RR, Hussain M, Abeles R, Possamai LA, Bruce M, McPhail M, Starling C, Wagner B, Barnardo A, Pomplun S, Auzinger G, Bernal W, Heaton N, Vergani D, Thursz MR, Wendon J:

Source and characterisation of hepatic macrophages in acetaminophen-induced acute liver failure in humans

Hepatology. 2012 Feb 15. doi: 10.1002/hep.25657

<http://dx.doi.org/10.1002/hep.25657>

Argaw-Denboba A, Schmidt TSB, Di Giacomo M, Ranjan B, Devendran S, Mastorilli E, Lloyd CT, Pugliese D, Paribeni V, Dabin J, Pisaniello A, Espinola S, Crevenna A, Ghosh S, Humphreys N, Boruc O, Sarkies P, Zimmermann M, Bork P, Hackett JA:

Paternal microbiome perturbations impact offspring fitness

Nature. 2024 May 1. doi: 10.1038/s41586-024-07336-w.

<https://doi.org/10.1038/s41586-024-07336-w>

Asgeirsdóttir SA, van Solingen C, Kurniati NF, Zwiers PJ, Heeringa P, van Meurs M, Satchell SC, Saleem MA, Mathieson PW, Banas B, Kamps JA, Rabelink TJ, van Zonneveld AJ, Molema G:

MicroRNA-126 contributes to renal microvascular heterogeneity of VCAM-1 protein expression in acute inflammation

Am J Physiol Renal Physiol. 2012 Jun;302(12):F1630-9
<http://ajprenal.physiology.org/content/302/12/F1630.long>

Ashbacher SM, Manni JG, Muddiman DC:

Comparison of Mid-Infrared and Ultraviolet Lasers Coupled to the MALDESI Source for the Detection of Secondary Metabolites and Structural Lipids in Arabidopsis thaliana

J Mass Spectrom. 2025 Mar;60(3):e5118. doi: 10.1002/jms.5118.
<https://doi.org/10.1002/jms.5118>

Ashbacher SM, Mills Q, Sohn AL, Xie DY, Muddiman DC:

Incorporation of Three Different Optical Trains into the IR-MALDESI Mass Spectrometry Imaging Platform to Characterize Artemisia annua

J Am Soc Mass Spectrom. 2024 Apr 30. doi: 10.1021/jasms.4c00060.
<https://doi.org/10.1021/jasms.4c00060>

Audard V, Zhang SY, Copie-Bergman C, Rucker-Martin C, Ory V, Candelier M, Baia M, Lang P, Pawlak A, Sahali D:

Occurrence of minimal change nephrotic syndrome in classical Hodgkin lymphoma is closely related to the induction of c-mip in Hodgkin-Reed Sternberg cells and podocytes

Blood 115(18):3756-62 (2010)
<http://bloodjournal.hematologylibrary.org/content/115/18/3756.short>

Azuma M, Suzuki T, Mochida H, Tanaka S, Uchiyama M, Takahashi A, Matsuda K:

Polymorphism of somatolactin-producing cells in the goldfish pituitary: immunohistochemical investigation for somatolactin- α and - β

Cell Tissue Res. 2012 May 22.
<http://dx.doi.org/10.1007/s00441-012-1435-3>

Badiei A, Sudharsan R, Santana E, Dunaief JL, Aguirre GD:

Comparative localization of cystathionine beta synthases and cystathionine gamma lyase in canine, non-human primate and human retina

Exp Eye Res. 2019 Jan 14;181:72-84. doi: 10.1016/j.exer.2019.01.007. [
<https://www.sciencedirect.com/science/article/pii/S001448351830839X#!>

Balay SD, Hochstoeger T, Vilceanu A, Malkemper EP, Snider W, Dürnberger G, Mechtler K, Schuechner S, Ogris E, Nordmann GC, Ushakova L, Nimpf S, Keays DA:

The expression, localisation and interactome of pigeon CRY2.

Sci Rep. 2021 Oct 13;11(1):20293. doi: 10.1038/s41598-021-99207-x.
<https://www.nature.com/articles/s41598-021-99207-x>

Balestrini R, Perotto S, Fiorilli V:

Laser microdissection as a tool to study fungal gene expression in mycorrhizal endosymbiosis

IJM - Italian Journal of Mycology, ISSN 2531-7342 - Vol. 50 (2021): 1-9
<https://italianmycology.unibo.it/article/view/11867>

Barker, C.R., McNamara, A.V., Rackstraw, S.A., Nelson, D.E., White, M.R., Watson, A.J., and Jenkins, J.R.:

Inhibition of Hsp90 acts synergistically with topoisomerase II poisons to increase the apoptotic killing of cells due to an increase in topoisomerase II mediated DNA damage

Nucleic Acids Res 34(4): 1148-1157 (2006)
<http://nar.oxfordjournals.org/content/34/4/1148.long>

Beagrie RA, Thieme CJ, Annunziatella C, Baugher C, Zhang Y, Schueler M, Kukalev A, Kempfer R, Chiariello AM, Bianco S, Li Y, Davis T, Scialdone A, Welch LR, Nicodemi M, Pombo A:

Multiplex-GAM: genome-wide identification of chromatin contacts yields insights overlooked by Hi-C

Nat Methods. 2023 Jun 19. doi: 10.1038/s41592-023-01903-1.

<https://www.nature.com/articles/s41592-023-01903-1>

Becker JS:

Imaging of metals in biological tissue by laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS): state of the art and future developments

J Mass Spectrom. 2013 Feb;48(2):255-68. doi: 10.1002/jms.3168.

<http://dx.doi.org/10.1002/jms.3168>

Bellon A, Iyer A, Bridi S, Lee FC, Ovando-Vázquez C, Corradi E, Longhi S, Roccuzzo M, Strohbuecker S, Naik S, Sarkies P, Miska E, Abreu-Goodger C, Holt CE, Baudet ML:

miR-182 Regulates Slit2-Mediated Axon Guidance by Modulating the Local Translation of a Specific mRNA

Cell Rep. 2017 Jan 31;18(5):1171-1186. doi: 10.1016/j.celrep.2016.12.093.

[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(17\)30003-7](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(17)30003-7)

Bencze M, Behuliak M, Vavřínová A, Zicha J:

Altered contractile responses of arteries from spontaneously hypertensive rat: The role of endogenous mediators and membrane depolarization

Life Sci. 2016 Oct 6. pii: S0024-3205(16)30587-2. doi: 10.1016/j.lfs.2016.10.005.

[http://linkinghub.elsevier.com/retrieve/pii/S0024-3205\(16\)30587-2](http://linkinghub.elsevier.com/retrieve/pii/S0024-3205(16)30587-2)

Benedetti L, Sogne E, Rodighiero S, Marchesi D, Milani P, Francolini M:

Customized patterned substrates for highly versatile correlative light-scanning electron microscopy

Sci Rep. 2014 Nov 13;4:7033. doi: 10.1038/srep07033.

<http://www.ncbi.nlm.nih.gov/pmc/articles/pmid/25391455/>

Berg JS, Pjevac P, Sommer T, Buckner CRT, Philippi M, Hach PF, Liebeke M, Holtappels M, Danza F, Tonolla M, Sengupta A, Schubert CJ, Milucka J, Kuypers MMM:

Dark aerobic sulfide oxidation by anoxygenic phototrophs in anoxic waters

Environ Microbiol. 2019 Jan 28. doi: 10.1111/1462-2920.14543.

<https://doi.org/10.1111/1462-2920.14543>

Bhatia HS, Brunner AD, Öztürk F, Kapoor S, Rong Z, Mai H, Thielert M, Ali M, Al-Maskari R, Paetzold JC, Kofler F, Todorov MI, Molbay M, Kolabas ZI, Negwer M, Hoeher L, Steinke H, Dima A, Gupta B, Kaltenecker D, Caliskan ÖS, Brandt D, Krahmer N, Müller S, Lichtenthaler SF, Hellal F, Bechmann I, Menze B, Theis F, Mann M, Ertürk A:

Spatial proteomics in three-dimensional intact specimens.

Cell. 2022 Dec 22;185(26):5040-5058.e19. doi: 10.1016/j.cell.2022.11.021.

<https://doi.org/10.1016/j.cell.2022.11.021>

Bhatia R, Dalton S, Roberts LA, Moron-Garcia OM, Iacono R, Kosik O, Gallagher JA, Bosch M:

Modified expression of ZmMYB167 in Brachypodium distachyon and Zea mays leads to increased cell wall lignin and phenolic content

Sci Rep. 2019 Jun 19;9(1):8800. doi: 10.1038/s41598-019-45225-9.

<http://dx.doi.org/10.1038/s41598-019-45225-9>

Bi H, Kovalchuk N, Langridge P, Tricker PJ, Lopato S, Borisjuk N:

The impact of drought on wheat leaf cuticle properties

BMC Plant Biol. 2017 May 8;17(1):85. doi: 10.1186/s12870-017-1033-3

<https://bmcplantbiol.biomedcentral.com/articles/10.1186/s12870-017-1033-3>

Bjerg JJ, Lustermaans JJM, Marshall IPG, Mueller AJ, Brokjær S, Thorup CA, Tataru P, Schmid M, Wagner M, Nielsen LP, Schramm A:

Cable bacteria with electric connection to oxygen attract flocks of diverse bacteria

Nat Commun. 2023 Mar 23;14(1):1614. doi: 10.1038/s41467-023-37272-8.

<https://doi.org/10.1038/s41467-023-37272-8>

Blackmore MG, Wang Z, Lerch JK, Motti D, Zhang YP, Shields CB, Lee JK, Goldberg JL, Lemmon VP, Bixby JL:

Kruppel-like Factor 7 engineered for transcriptional activation promotes axon regeneration in the adult corticospinal tract

Proc Natl Acad Sci U S A. 2012 Apr 23. [Epub ahead of print]

<http://www.pnas.org/cgi/lookup?view=long&pmid=22529377>

Blow, N.:

Tissue preparation: Tissue issues

Nature 448(7156): 959-963 (2007)

<http://www.nature.com/nature/journal/v448/n7156/full/448959a.html>

Böing C, Di Fabrizio M, Burger D, Bol JGJM, Huisman E, Rozemuller AJM, van de Berg WDJ, Stahlberg H, Lewis AJ:

Distinct ultrastructural phenotypes of glial and neuronal alpha-synuclein inclusions in multiple system atrophy

Brain. 2024 May 2;awae137. doi: 10.1093/brain/awae137.

<https://doi.org/10.1093/brain/awae137>

Boottanun P, Nagai-Okatani C, Nagai M, Ungkulpasvich U, Yamane S, Yamada M, Kuno A:

An improved evanescent fluorescence scanner suitable for high-resolution glycome mapping of formalin-fixed paraffin-embedded tissue sections

Anal Bioanal Chem. 2023 Jul 3. doi: 10.1007/s00216-023-04824-2.

<https://doi.org/10.1007/s00216-023-04824-2>

Bova, G.S., Eltoum, I.A., Kiernan, J.A., Siegal, G.P., Frost, A.R., Best, C.J., Gillespie, J.W., Su, G.H., and Emmert-Buck, M.R.:

Optimal molecular profiling of tissue and tissue components: defining the best processing and microdissection methods for biomedical applications

Mol Biotechnol 29(2): 119-152 (2005)

<http://www.springerlink.com/content/qr41323032743311/>

Branigan GL, Olsen KS, Burda I, Haemmerle MW, Ho J, Venuto A, D'Antonio ND, Briggs IE, and DiBenedetto AJ:

Zebrafish Paralogs brd2a and brd2b Are Needed for Proper Circulatory, Excretory and Central Nervous System Formation and Act as Genetic Antagonists during Development

J. Dev. Biol. 2021, 9(4), 46; <https://doi.org/10.3390/jdb9040046>

<https://www.mdpi.com/2221-3759/9/4/46>

Braun P:

Phosphatakkumulation in diazotrophen, filamentösen Cyanobakterien der Ostsee

Thesis, 2020, article in German language

[http://rosdok.uni-](http://rosdok.uni-rostock.de/file/rosdok_disshab_0000002297/rosdok_derivate_0000088092/Braun_Dissertation_2020.pdf)

[rostock.de/file/rosdok_disshab_0000002297/rosdok_derivate_0000088092/Braun_Dissertation_2020.pdf](http://rosdok.uni-rostock.de/file/rosdok_disshab_0000002297/rosdok_derivate_0000088092/Braun_Dissertation_2020.pdf)

Braun PD, Schulz-Vogt HN, Vogts A, Nausch M:

Differences in the accumulation of phosphorus between vegetative cells and heterocysts in the cyanobacterium *Nodularia spumigena*

Sci Rep. 2018 Apr 4;8(1):5651. doi: 10.1038/s41598-018-23992-1.
<https://www.nature.com/articles/s41598-018-23992-1.pdf>

Brissac T, Shenoy AT, Patterson LA, Orihuela CJ

Cell invasion and pyruvate oxidase derived H₂O₂ are critical for *Streptococcus pneumoniae* mediated cardiomyocyte killing

Infect Immun. 2017 Oct 23. pii: IAI.00569-17. doi: 10.1128/IAI.00569-17.
<https://iai.asm.org/content/86/1/e00569-17.short>

Bullock MD, Mellone M, Pickard KM, Sayan AE, Mitter R, Primrose JN, Packham GK, Thomas G, Mirnezami AH:

Molecular Profiling of the Invasive Tumor Microenvironment in a 3-Dimensional Model of Colorectal Cancer Cells and Ex vivo Fibroblasts

Journal of Visualized Experiments (86) p. e51475 (2014)
<http://www.jove.com/video/51475/molecular-profiling-invasive-tumor-microenvironment-3-dimensional>

Burygin GL, Popova IA, Kargapolova KY, Tkachenko OV, Matora LY, Shchyogolev SY:

A BACTERIAL ISOLATE FROM THE RHIZOSPHERE OF POTATO (*Solanum tuberosum* L.) IDENTIFIED AS *Ochrobactrum lupini* IPA7.2

Agricultural Biology, 2017, V. 52, 1 1, pp. 105-115
<http://www.agrobiology.ru/articles/1-2017burygin.pdf>

Buss SN, Hamano S, Vidrich A, Evans C, Zhang Y, Crasta OR, Sobral BW, Gilchrist CA, Petri WA Jr:

Members of the *Entamoeba histolytica* transmembrane kinase family play non-redundant roles in growth and phagocytosis

Int J Parasitol 40(7):833-43 (2010)
<http://dx.doi.org/10.1016/j.ijpara.2009.12.007>

Cahill JF, Kertesz V:

Automated Optically Guided System for Chemical Analysis of Single Plant and Algae Cells Using Laser Microdissection/Liquid Vortex Capture/Mass Spectrometry

Front Plant Sci. 2018 Aug 20;9:1211. doi: 10.3389/fpls.2018.01211. eCollection 2018.
<https://doi.org/10.3389/fpls.2018.01211>

Cahill JF, Kertesz V:

Laser Capture Microdissection–Liquid Vortex Capture Mass Spectrometry Metabolic Profiling of Single Onion Epidermis and Microalgae Cells

Methods Mol Biol. 2020;2064:89-101. doi: 10.1007/978-1-4939-9831-9_7.
https://dx.doi.org/10.1007/978-1-4939-9831-9_7

Cahill JF, Kertesz V, Van Berkel GJ:

Characterization and Application of a Hybrid Optical Microscopy/Laser Ablation Liquid Vortex Capture/Electrospray Ionization System for Mass Spectrometry Imaging with Sub-micrometer Spatial Resolution

Anal Chem. 2015 Oct 22.
<http://dx.doi.org/10.1021/acs.analchem.5b03293>

Calabrese F:

A single-cell view on the intra- and inter-population metabolic heterogeneity and ecophysiology of microorganisms at different ecological scales

Thesis, 2021
<https://tubaf.gucosa.de/api/gucosa%3A76344/attachment/ATT-0/>

Capozzi F, Carotenuto R, Giordano S, Spagnuolo V:

Evidence on the effectiveness of mosses for biomonitoring of microplastics in fresh water environment

Chemosphere. 2018 Apr 14;205:1-7. doi: 10.1016/j.chemosphere.2018.04.074.

<https://www.ncbi.nlm.nih.gov/pubmed/29677573>

Callbeck CM, Lavik G, Ferdelman TG, Fuchs B, Gruber-Vodicka HR, Hach PF, Littmann S, Schoffelen NJ, Kalvelage T, Thomsen S, Schunck H, Löscher CR, Schmitz RA, Kuypers MMM:

Oxygen minimum zone cryptic sulfur cycling sustained by offshore transport of key sulfur oxidizing bacteria

Nat Commun. 2018 Apr 30;9(1):1729. doi: 10.1038/s41467-018-04041-x.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5928099/>

Capozzi F, Sorrentino MC, Di Palma A, Mele F, Arena C, Adamo P, Spagnuolo V, Giordano S:

Implication of vitality, seasonality and specific leaf area on PAH uptake in moss and lichen transplanted in bags

Ecological Indicators, Volume 108, January 2020, 105727

<https://www.sciencedirect.com/science/article/pii/S1470160X19307204>

Carvalho MEA, Piotto FA, Franco MR, Rossi ML, Martinelli AP, Cuypers A, Azevedo RA:

Relationship between Mg, B and Mn status and tomato tolerance against Cd toxicity

J Environ Manage. 2019 Mar 28;240:84-92. doi: 10.1016/j.jenvman.2019.03.026.

<https://www.sciencedirect.com/science/article/pii/S0301479719303160>

Сергеевна ЕС:

ГЛИКОПОЛИМЕРЫ ВНЕШНЕЙ МЕМБРАНЫ И ВНЕКЛЕТОЧНЫЕ ПОЛИСАХАРИДЫ АССОЦИАТИВНЫХ БАКТЕРИЙ РОДА AZOSPIRILLUM В АДАПТАЦИИ К УСЛОВИЯМ СУЩЕСТВОВАНИЯ

Thesis, 2021 (Russian language)

<https://www.obolensk.org/center/diss/yevsstigneyeva/%D0%94%D0%B8%D1%81%D1%81%D0%B5%D1%80%D1%82%D0%B0%D1%86%D0%B8%D1%8F%20%D0%95%D0%B2%D1%81%D1%82%D0%B8%D0%B3%D0%BD%D0%B5%D0%B5%D0%B2%D0%BE%D0%B9%20%D0%A1.%D0%A1..pdf>

Chain DC:

Integrating artificial intelligence-based computational pathology approaches with laser microdissection for tumor enrichment and cancer research

Thesis, 2024

<https://doi.org/doi:10.7282/t3-d4em-xx84>

Chen C, Ye C, Xia J, Zhou Y, Wu R:

Ezrin T567 phosphorylation regulates migration and invasion of ectopic endometrial stromal cells by changing actin cytoskeleton

Life Sci. 2020 May 4;117681. doi: 10.1016/j.lfs.2020.117681.

<https://www.sciencedirect.com/science/article/abs/pii/S002432052030429X>

Chen C, Zhu S, Fu T, Chen Y, Bai L, Chen D:

Targeting mitochondrial oxidative stress to protect against preterm birth and fetal brain injury via Nrf2 induction

Antioxid Redox Signal. 2024 Apr 4. doi: 10.1089/ars.2023.0382.

<https://doi.org/10.1089/ars.2023.0382>

Chen C, Zhu S, Fu T, Chen Y, Chen D:

The protective effects of Ferrostatin-1 against inflammation-induced preterm birth and fetal brain injury

Journal of Reproductive Immunology, 14 May 2024, 104260

<https://doi.org/10.1016/j.jri.2024.104260>

Chen C, Zhou Y, Hu C, Wang Y, Yan Z, Li Z, Wu R:
Mitochondria and oxidative stress in ovarian endometriosis
Free Radic Biol Med. 2019 Mar 26. pii: S0891-5849(19)30264-3. doi:
10.1016/j.freeradbiomed.2019.03.027.
<https://www.sciencedirect.com/science/article/pii/S0891584919302643#!>

Chen H, Zhang Y, Zhou H, Chen W, Peng J, Feng Y, Fan L, Li J, Zi J, Ren Y, Li Q, Liu S:
Routine Workflow of Spatial Proteomics on Micro-formalin-Fixed Paraffin-Embedded Tissues
Anal Chem. 2023 Nov 3. doi: 10.1021/acs.analchem.3c03848.
<https://doi.org/10.1021/acs.analchem.3c03848>

Chen L, Jiao T, Liu W, Luo Y, Wang J, Guo X, Tong X, Lin Z, Sun C, Wang K, He Y, Zhang Y, Xu H,
Wang J, Zuo J, Ding Q, He S, Gonzalez FJ, Xie C :
**Hepatic cytochrome P450 8B1 and cholic acid potentiate intestinal epithelial injury in colitis by
suppressing intestinal stem cell renewal**
Cell Stem Cell. 2022 Sep 1;29(9):1366-1381.e9. doi: 10.1016/j.stem.2022.08.008.
<https://doi.org/10.1016/j.stem.2022.08.008>

Chen M, Koszti SG, Bonavoglia A, Maco B, von Rohr O, Peng HJ, Soldati-Favre D, Kloehn J:
**Dissecting apicoplast functions through continuous cultivation of Toxoplasma gondii devoid of
the organelle**
Nat Commun. 2025 Mar 1;16(1):2095. doi: 10.1038/s41467-025-57302-x.
<https://doi.org/10.1038/s41467-025-57302-x>

Chen P, Yao M, Fang T, Ye C, Du Y, Jin Y, Wu R :
**Identification of NFASC and CHL1 as Two Novel Hub Genes in Endometriosis Using Integrated
Bioinformatic Analysis and Experimental Verification**
Pharmacogenomics and Personalized Medicine, 22 Apr 2022, Volume 15 : Pages 377—392
<https://www.dovepress.com/identification-of-nfasc-and-chl1-as-two-novel-hub-genes-in-endometriosis-peer-reviewed-fulltext-article-PGPM>

Chen P, Ye C, Huang Y, Xu B, Wu T, Dong Y, Jin Y, Zhao L, Hu C, Mao J, Wu R :
**Glutaminolysis regulates endometrial fibrosis in intrauterine adhesion via modulating
mitochondrial function**
Biol Res. 2024 Apr 1;57(1):13. doi: 10.1186/s40659-024-00492-3.
<https://doi.org/10.1186/s40659-024-00492-3>

Cheng L, Mann SA, Lopez-Beltran A, Chovanec M, Santoni M, Wang M, Albany C, Adra N, Davidson DD,
Cimadamore A, Montironi R, and Zhang S :
Molecular Characterization of Testicular Germ Cell Tumors Using Tissue Microdissection
Methods Mol Biol. 2021;2195:31-47. doi: 10.1007/978-1-0716-0860-9_3.
https://dx.doi.org/10.1007/978-1-0716-0860-9_3

Chetverikov PE, Kostin NA:
**Laser cutting microdissection of the cuticle of microarthropods: a case study of eriophyoid mites
(Acari, Eriophyoidea)**
BioOne, Systematic and Applied Acarology / May 2016 / pg(s) 698-702
<http://www.bioone.org/doi/abs/10.11158/saa.21.5.11?journalCode=saaa>

Cho Y, and Cho S:
**Characterization of the immune hemocyte in larvae of Dorcustitanus castanicolor (Motschulsky,
1861) (Lucanidae, Coleoptera)**
Entomological Research (2021 Apr 30)

<https://onlinelibrary.wiley.com/doi/epdf/10.1111/1748-5967.12524>

Choe YJ, Min JY, Lee H, Lee SY, Kwon J, Kim HJ, Lee J, Kim HM, Park HS, Cho MY, Hyun JY, Kim HM, Chung YH, Ha SK, Jeong HG, Choi I, Kim TD, Hong KS, and Han EH:

Heterotypic cell-in-cell structures between cancer and NK cells are associated with enhanced anticancer drug resistance

iScience 25, 105017 September 16, 2022

<https://doi.org/10.1016/j.isci.2022.105017>

Choi W, Jeon ES, Chun KY, Kim YR, Park KB, Kim KB, Han CS:

A low-noise silicon nitride nanopore device on a polymer substrate

PLoS One. 2018 Jul 20;13(7):e0200831. doi: 10.1371/journal.pone.0200831. eCollection 2018.

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0200831>

Chokechanachaisakul U, Kaneko T, Okiji T, Kaneko R, Suda H, Nör JE

Laser capture microdissection in dentistry

Int J Dent. 2010;2010:592694. doi: 10.1155/2010/592694.

<http://www.ncbi.nlm.nih.gov/pmc/articles/pmid/21274283/>

Chokechanachaisakul U, Kaneko T, Yamanaka Y, Okiji T, Suda H:

A novel whole tooth-in-jaw-bone culture of rat molars: Morphological, immunohistochemical, and laser capture microdissection analysis

Microsc Res Tech. 2012 May 23. doi: 10.1002/jemt.22072.

<http://dx.doi.org/10.1002/jemt.22072>

Claes BSR, Krestensen KK, Yagnik G, Grgic A, Kuik C, Lim MJ, Rothschild KJ, Vandenbosch M, Heeren RMA:

MALDI-IHC-Guided In-Depth Spatial Proteomics: Targeted and Untargeted MSI Combined

Anal Chem. 2023 Jan 13. doi: 10.1021/acs.analchem.2c04220.

<https://pubs.acs.org/doi/full/10.1021/acs.analchem.2c04220>

Clark C, Pokhrel M, Arthur B, Suresh P, Ates I, Gibson J, Dhungana A, Mehlem R, Boysia A, Padalkar MV, Pokhrel A, Echesabal-Chen J, Vonada A, Stamatikos A, Savinova OV, Grompe M, and Cottle RN:

One Shock, Not One Cure: Electroporation Reveals Disease-Specific Constraints in Hepatocyte Gene Editing Therapy

Biology 2025, 14(8), 1091; <https://doi.org/10.3390/biology14081091>

<https://doi.org/10.3390/biology14081091>

Conceição EP, Moura EG, Soares PN, Ai XX, Figueiredo MS, Oliveira E, Lisboa PC:

High calcium diet improves the liver oxidative stress and microsteatosis in adult obese rats that were overfed during lactation

Food Chem Toxicol. 2016 Apr 20. pii: S0278-6915(16)30121-1. doi: 10.1016/j.fct.2016.04.015.

[http://linkinghub.elsevier.com/retrieve/pii/S0278-6915\(16\)30121-1](http://linkinghub.elsevier.com/retrieve/pii/S0278-6915(16)30121-1)

Crusco A, Bordoni C, Chakroborty A, Whatley KCL, Whiteland H, Westwell AD, Hoffmann KF:

Design, synthesis and anthelmintic activity of 7-keto-sempervirrol analogues

European Journal of Medicinal Chemistry (2018), doi: 10.1016/j.ejmech.2018.04.032.

<https://www.sciencedirect.com/science/article/pii/S0223523418303660>

Cruz-Flores R, Dhar AK:

Tracking the emergence of a novel genotype of *Decapod hepanhamaparvovirus* in shrimp using laser microdissection and next generation sequencing

PLoS One. 2024 Oct 10;19(10):e0311592. doi: 10.1371/journal.pone.0311592.

<https://doi.org/10.1371/journal.pone.0311592>

D'Agati VD, Mengel M:

The Rise of Renal Pathology in Nephrology: Structure Illuminates Function

Am J Kidney Dis. 2013 Feb 11. pii: S0272-6386(13)00018-8. doi: 10.1053/j.ajkd.2012.12.019.
<http://www.ajkd.org/article/S0272-6386%2813%2900018-8/abstract>

D'Elia A, Schiavi S, Manduca A, Rava A, Buzzelli V, Ascone F, Orsini T, Putti S, Soluri A, Galli F, Soluri A, Mattei M, Cicconi R, Massari R, Trezza V:

FMR1 deletion in rats induces hyperactivity with no changes in striatal dopamine transporter availability

Sci Rep. 2022 Dec 29;12(1):22535. doi: 10.1038/s41598-022-26986-2.
<https://www.nature.com/articles/s41598-022-26986-2>

Dal Bó B, Guo Y, Mayr MJ, Pereira OS, Levin LA, Orphan VJ, Goffredi SK:

Methane-powered sea spiders: Diverse, epibiotic methanotrophs serve as a source of nutrition for deep-sea methane seep Sericosura

Proc Natl Acad Sci U S A. 2025 Jul;122(26):e2501422122. doi: 10.1073/pnas.2501422122.
<https://doi.org/10.1073/pnas.2501422122>

Das A, Dines M, Alapin JM, Lamprecht R:

Affecting long-term fear memory formation through optical control of Rac1 GTPase and PAK activity in lateral amygdala

Sci Rep. 2017 Oct 24;7(1):13930. doi: 10.1038/s41598-017-13674-9.
<https://www.nature.com/articles/s41598-017-13674-9.pdf>

De Leon MP, Wen FL, Paylaga GJ, Wang YT, Roan HY, Wang CH, Hsiao CD, Lin KH & Chen CH:
Mechanical waves identify the amputation position during wound healing in the amputated zebrafish tailfin

Nat. Phys. (19 Jun 2023).
<https://doi.org/10.1038/s41567-023-02103-6>

De Moura SM, Rossi ML, Artico S, Grossi-de-Sa MF, Martinelli AP, and Alves-Ferreira M:

Characterization of floral morphoanatomy and identification of marker genes preferentially expressed during specific stages of cotton flower development

Planta, 252(4). doi:10.1007/s00425-020-03477-0
<https://link.springer.com/article/10.1007/s00425-020-03477-0>

De Oliveira Araujo ME:

Relação entre Versicanase e Matriquina com o Remodelamento da Matriz Extracelular: Estudo em Modelo Experimental de Carcinoma Mamário Triplo Negativo 4T1

Thesis, 2023, Brazilian Portuguese language
<https://repositorio.bahiana.edu.br/jspui/bitstream/bahiana/7506/1/MARIA%20EDUARDA%20DE%20OLIVEIRA%20ARAUJO.pdf>

De Souza MCS:

Potencial Biomarcador Da Proteólise De Versican No Cancer De Mama: Um Estudo Em Modelo Canino

Thesis, 2021 (Brazilian Portuguese)
<https://www.arca.fiocruz.br/bitstream/icict/51233/2/Disserta%C3%A7%C3%A3o%20-%20Maria%20Carolina.pdf>

De Velez Sendon PM:

Development and Characterization of a Novel Mouse Model Carrying Mitochondrial DNA Mutations

thesis, 2024

https://kups.ub.uni-koeln.de/73684/1/Thesis_PMDSendon_KUPS.pdf

Del Rey YC, Kitzinger K, Lund MB, Schramm A, Meyer RL, Wagner M, Schlafer S:

pH-FISH: coupled microscale analysis of microbial identity and acid-base metabolism in complex biofilm samples

Microbiome. 2024 Dec 20;12(1):266. doi: 10.1186/s40168-024-01977-9.

<https://doi.org/10.1186/s40168-024-01977-9>

Delgado DA:

Characterizing gene-environment relationships in diverse populations

Thesis, June 2021

<https://knowledge.uchicago.edu/record/3003>

Dellmann A, Schroeder HG, Donhuijsen K:

Destructive tumours of the larynx mimicking osteosarcoma: two cases of osteoblastoma with organ-saving resection and follow-up

Eur Arch Otorhinolaryngol. 2010 Jan;267(1):151-4

<http://www.springerlink.com/content/151254313937q5j3/>

Denti V, Piazza M, Smith A, Paglia G:

Comprehensive Spatial Lipidomics of Formalin-Fixed Paraffin-Embedded Tissue Guided by Mass Spectrometry-Imaging

In: Ivanisevic, J., Giera, M. (eds) A Practical Guide to Metabolomics Applications in Health and Disease. Learning Materials in Biosciences. Springer, Cham.

https://doi.org/10.1007/978-3-031-44256-8_14

Desport E, Bridoux F, Sirac C, Delbes S, Bender S, Fernandez B, Quellard N, Lacombe C, Goujon JM, Lavergne D, Abraham J, Touchard G, Fermand JP, Jaccard A:

AL Amyloidosis

Orphanet J Rare Dis. 2012 Aug 21;7(1):54.

<http://www.ajrd.com/content/7/1/54>

Dornieden S, Müller-Schiffmann A, Sticht H, Jiang N, Cinar Y, Wördehoff M, Korth C, Funke SA, Willbold D:

Characterization of a single-chain variable fragment recognizing a linear epitope of $\alpha\beta$: a biotechnical tool for studies on Alzheimer's disease?

PLoS One. 2013;8(3):e59820. doi: 10.1371/journal.pone.0059820. Epub 2013 Mar 26.

<http://dx.plos.org/10.1371/journal.pone.0059820>

Dong J, Chen JF, Smalley M, Zhao M, Ke Z, Zhu Y, Tseng HR:

Nanostructured Substrates for Detection and Characterization of Circulating Rare Cells: From Materials Research to Clinical Applications

Adv Mater. 2019 Sep 30:e1903663. doi: 10.1002/adma.201903663.

<https://doi.org/10.1002/adma.201903663>

Dong Z, Jiang W, Wu C, Chen T, Chen J, Ding X, Zheng S, Piatkevich KD, Zhu Y, Guo T:

Spatial proteomics of single cells and organelles on tissue slides using filter-aided expansion proteomics

Nat Commun. 2024 Oct 30;15(1):9378.

<https://doi.org/10.1038/s41467-024-53683-7>

Dubois DJ, Chehade S, Marq JB, Venugopal K, Maco B, Puig AT, Soldati-Favre D, Marion S:

Toxoplasma gondii HOOK-FTS-HIP Complex is Critical for Secretory Organelle Discharge during Motility, Invasion, and Egress

mBio. 2023 Apr 24:e0045823. doi: 10.1128/mbio.00458-23.

<https://journals.asm.org/doi/pdf/10.1128/mbio.00458-23>

Duerschlag J, Mohr W, Ferdelman TG, LaRoche J, Desai D, Croot PL, Voß D, Zielinski O, Lavik G, Littmann S, Martínez-Pérez C, Tschitschko B, Bartlau N, Osterholz H, Dittmar T, Kuypers MMM: **Niche partitioning by photosynthetic plankton as a driver of CO₂-fixation across the oligotrophic South Pacific Subtropical Ocean**

ISME J. 2021 Aug 19. doi: 10.1038/s41396-021-01072-z.

<https://www.nature.com/articles/s41396-021-01072-z>

Dunkelmann T, Teichmann K, Ziehm T, Schemmert S, Frenzel D, Tusche M, Dammers C, Jürgens D, Langen K-J, Demuth H-U, Shah NJ, Kutzsche J, Willuweit A, Willbold D:

A β oligomer eliminating compounds interfere successfully with pEA β (3–42) induced motor neurodegenerative phenotype in transgenic mice

Neuropeptides, 0143-4179, 27 Nov 2017, <https://doi.org/10.1016/j.npep.2017.11.011>

<https://www.sciencedirect.com/science/article/pii/S0143417917301531>

Edwards, R.A.:

Laser capture microdissection of mammalian tissue

J Vis Exp (8): 309 (2007)

Includes video:

<http://www.jove.com/Details.stp?ID=309>

Eggers B, Schork K, Turewicz M, Barkovits K, Eisenacher M, Schröder R, Clemens CS, and Marcus K :

Advanced Fiber Type-Specific Protein Profiles Derived from Adult Murine Skeletal Muscle

Proteomes 2021, 9(2), 28; <https://doi.org/10.3390/proteomes9020028>

<https://www.mdpi.com/2227-7382/9/2/28>

Ehashi T, Takemura T, Hanagata N, Minowa T, Kobayashi H, Ishihara K, Yamaoka T:

Comprehensive Genetic Analysis of Early Host Body Reactions to the Bioactive and Bio-Inert Porous Scaffolds

PLoS ONE 9(1): e85132. doi:10.1371/journal.pone.0085132

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0085132>

Eisenberg SM, Joignant AN, Knizner KT, Manni JG, and Muddiman DC:

Obtaining 20 μ m Spatial Resolution with a 2940 nm Laser by IR-MALDESI Mass Spectrometry Imaging

J. Am. Soc. Mass Spectrom., 8 Nov 2024

<https://doi.org/10.1021/jasms.4c00276>

Ekelöf M, Manni J Sr, Nazari M, Bokhart M, Muddiman DC:

Characterization of a novel miniaturized burst-mode infrared laser system for IR-MALDESI mass spectrometry imaging

Anal Bioanal Chem. 2018 Feb 17. doi: 10.1007/s00216-018-0918-9.

<https://link.springer.com/article/10.1007/s00216-018-0918-9>

El Kasmi KC, Pugliese SC, Riddle SR, Poth JM, Anderson AL, Frid MG, Li M, Pullamsetti SS, Savai R, Nagel MA, Fini MA, Graham BB, Tudor RM, Friedman JE, Eltzschig HK, Sokol RJ, Stenmark KR:

Adventitial Fibroblasts Induce a Distinct Proinflammatory/Profibrotic Macrophage Phenotype in Pulmonary Hypertension

J Immunol. 2014 Jun 13. pii: 1303048

<http://www.jimmunol.org/content/early/2014/06/13/jimmunol.1303048.abstract>

Elvers, D., Remer, L., Arnold, N., and Bäuerle, D.:

Laser microdissection of biological tissues: process optimization

Appl. Phys. A 80: 55-59 (2005)

<http://www.springerlink.com/content/86hbdjb441qh0cwl/>

Esaka F, Lee CG, Magara M, Kimura T:

Fission track-secondary ion mass spectrometry as a tool for detecting the isotopic signature of individual uranium containing particles

Anal Chim Acta. 2012 Apr 6;721:122-8. Epub 2012 Feb 10.

<http://www.sciencedirect.com/science/article/pii/S0003267012002012>

Esaka F, and Magara M:

Secondary ion mass spectrometry combined with alpha track detection for isotope abundance ratio analysis of individual uranium-bearing particles

Talanta, Volume 120, March 2014, Pages 349–354

<http://www.sciencedirect.com/science/article/pii/S0039914013010114>

Esaka F, Magara M, and Kimura T:

The use of solution nebulization ICP-MS combined with particle screening and micro-sampling for analysis of individual uranium-bearing particles

J. Anal. At. Spectrom., 2013, DOI: 10.1039/C3JA30384E

<http://pubs.rsc.org/en/content/articlelanding/2013/ja/c3ja30384e>

Esaka F, Suzuki D, Magara M:

Identifying uranium particles using fission tracks and micro-sampling individual particles for analysis using thermal ionization mass spectrometry

Anal Chem. 2015 Feb 13.

<http://dx.doi.org/10.1021/acs.analchem.5b00236>

Esakky P, Hansen DA, Drury AM, Moley KH:

Cigarette smoke condensate induces aryl hydrocarbon receptor-dependent changes in gene expression in spermatocytes

Reprod Toxicol. 2012 Dec;34(4):665-76. doi: 10.1016/j.reprotox.2012.10.005.

<http://www.sciencedirect.com/science/article/pii/S0890623812003085>

Esakky P, Hansen DA, Drury AM, Moley KH:

Molecular Analysis of Cell Type-Specific Gene Expression Profile During Mouse Spermatogenesis by Laser Microdissection and qRT-PCR

Reprod Sci. 2012 Aug 30.

<http://rsx.sagepub.com/cgi/pmidlookup?view=long&pmid=22941942>

Espes D, Lau J, Quach M, Ullsten S, Christoffersson G, Carlsson PO:

Rapid Restoration of Vascularity and Oxygenation in Mouse and Human Islets Transplanted to Omentum May Contribute to Their Superior Function Compared to Intraportally Transplanted Islets

Am J Transplant. 2016 Jun 20. doi: 10.1111/ajt.13927.

<http://dx.doi.org/10.1111/ajt.13927>

Espina V, Wulfkuhle JD, Calvert VS, VanMeter A, Zhou W, Coukos G, Geho DH, Petricoin EF 3rd, Liotta LA:

Laser-capture microdissection

Nat Protoc. 2006;1(2):586-603

<http://dx.doi.org/10.1038/nprot.2006.85>

Esposito, G.:

Complementary techniques: laser capture microdissection--increasing specificity of gene expression profiling of cancer specimens

Adv Exp Med Biol 593: 54-65 (2007)

<http://www.springerlink.com/content/g448m0n0710r420n/>

Fang W, Liu X, Maiga M, Cao W, Mu Y, Yan Q, and Zhu Q:

Digital PCR for Single-Cell Analysis

Biosensors 2024, 14(2), 64

<https://doi.org/10.3390/bios14020064>

Farini D, Cesari E, Weatheritt RJ, La Sala G, Naro C, Pagliarini V, Bonvissuto D, Medici V, Guerra M, Di Pietro C, Rizzo FR, Musella A, Carola V, Centonze D, Blencowe BJ, Marazziti D, Sette C:

A Dynamic Splicing Program Ensures Proper Synaptic Connections in the Developing Cerebellum

Cell Rep. 2020 Jun 2;31(9):107703. doi: 10.1016/j.celrep.2020.107703.

[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(20\)30673-2](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(20)30673-2)

Fedrigo M, Poli F, Esposito G, Feltrin G, Toscano G, d'Agostino C, Schiavon B, Gerosa G, Amadori A, Valente M, Thiene G, Angelini A:

HLA-DRB1 Typing by Micro-Bead Array Assay Identifies the Origin of Early Lymphoproliferative Disorder in a Heart Transplant Recipient

Am J Transplant. 2013 Jan 17. doi: 10.1111/ajt.12063.

<http://dx.doi.org/10.1111/ajt.12063>

Feldiorean A, Bena J, Nakashima MO, McShane AJ, Cotta CV:

Formalin-Fixation Followed by Paraffin-Embedding Allows Long-Term Storage of Proteins for Liquid Chromatography Tandem Mass Spectrometry Analysis

Lab Invest. 2023 Jul 28;100224. doi: 10.1016/j.labinv.2023.100224.

<https://doi.org/10.1016/j.labinv.2023.100224>

Fierro-Castro C, Santa-Cruz MC, Hernández-Sánchez M, Teles M, Tort L:

Analysis of steroidogenic pathway key transcripts in interrenal cells isolated by laser microdissection (LMD) in stressed rainbow trout

Comp Biochem Physiol A Mol Integr Physiol. 2015 Sep 7;190:39-46. doi: 10.1016/j.cbpa.2015.09.002.

[http://linkinghub.elsevier.com/retrieve/pii/S1095-6433\(15\)00238-X](http://linkinghub.elsevier.com/retrieve/pii/S1095-6433(15)00238-X)

Fish RJ, Freire C, Di Sanza C, Neerman-Arbez M:

Venous Thrombosis and Thrombocyte Activity in Zebrafish Models of Quantitative and Qualitative Fibrinogen Disorders

Int J Mol Sci. 2021 Jan 11;22(2):E655. doi: 10.3390/ijms22020655.

<https://www.mdpi.com/1422-0067/22/2/655/htm#app1-ijms-22-00655>

Forsthoefel DJ, Cejda NI, Khan UW, Newmark PA

Cell-type diversity and regionalized gene expression in the planarian intestine

Elife. 2020 Apr 2;9. pii: e52613. doi: 10.7554/eLife.52613.

<https://elifesciences.org/articles/52613.pdf>

Foster RA, Szejtjenszus S, Kuypers MMM:

Measuring carbon and N₂ fixation in field populations of colonial and free-living unicellular cyanobacteria using nanometer-scale secondary ion mass spectrometry

J. Phycol. 1529-8817, 10.1111/jpy.12057

<http://dx.doi.org/10.1111/jpy.12057>

Foster RA, Tienken D, Littmann S, Whitehouse MJ, Kuypers MMM, White AE:

The rate and fate of N₂ and C fixation by marine diatom-diazotroph symbioses

ISME J. 2021 Aug 24. doi: 10.1038/s41396-021-01086-7.

<https://www.nature.com/articles/s41396-021-01086-7>

Freire C, Fish RJ, Vilar R, Di Sanza C, Grzegorski SJ, Richter CE, Shavit JA, Neerman-Arbez M.

A genetic modifier of venous thrombosis in zebrafish reveals a functional role for fibrinogen A α E in early hemostasis

Blood Adv. 2020 Nov 10;4(21):5480-5491. doi: 10.1182/bloodadvances.2020001472.

<https://ashpublications.org/bloodadvances/article/4/21/5480/474105>

Freire Sanz C:

Hemostasis and thrombosis in zebrafish models of human congenital fibrinogen disorders

Thesis, 2020, 10.13097/archive-ouverte/unige:140844

<https://archive-ouverte.unige.ch/unige:140844>

Frolov VV, Egunova AV, Ivantsov VA:

Micromorphological features of the structure of the tooth pulp chamber wall in dogs

International Journal of Veterinary Medicine. 2025;(1):222-227. (In Russ.)

<https://doi.org/10.52419/issn2072-2419.2025.1.222>

Funel, N., Giovannetti, E., Del Chiaro, M., Mey, V., Pollina, L.E., Nannizzi, S., Boggi, U., Ricciardi, S., Del Tacca, M., Bevilacqua, G., Mosca, F., Danesi, R., and Campani, D.:

Laser microdissection and primary cell cultures improve pharmacogenetic analysis in pancreatic adenocarcinoma

Lab Invest 88(7): 773-784 (2008)

<http://www.nature.com/labinvest/journal/v88/n7/full/labinvest200840a.html>

Funel N, Giovannetti E, Pollina LE, Del Chiaro M, Mosca F, Boggi U, Campani D:

Critical role of laser microdissection for genetic, epigenetic and proteomic analyses in pancreatic cancer

Expert Rev Mol Diagn. 2011 Sep;11(7):695-701

http://www.expert-reviews.com/doi/abs/10.1586/erm.11.62?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed

Funel, N., Menicagli, M., Campani, D., Esposito, I., Pollina, L.E., Recarli, N., Di Cristofano, C., Cavazzana, A.O., Chifenti, B., Del Chiaro, M., Boggi, U., Mosca, T., and Bevilacqua, G.:

Laser Microdissection on Primary Cell Cultures of Pancreatic Adenocarcinoma

J Pancreas 5: 438-439 (2004)

<http://www.joplink.net/prev/200409/68.html>

Furlan F, Borgo L, Silveira Rabêlo FH, Lanzoni Rossi M, Scaglia Linhares F, Pinheiro Martinelli A, Antunes Azevedo R, Lavres J:

Aluminum-induced toxicity in Urochloa brizantha genotypes: A first glance into root Al-apoplastic and -symplastic compartmentation, Al-translocation and antioxidant performance

Chemosphere, Volume 243, March 2020, 125362

<https://www.sciencedirect.com/science/article/pii/S0045653519326025>

Ganguly K, Metkari SM, Biswas B, Subedi R, Madan T:

Intra-tumoral delivery of 5'ppp-dsRNA induces robust anti-tumor response via RIG-I activation and Bcl-2 gene downregulation in murine model of prostate cancer

Int Immunol. 2024 Oct 10:dxae061. doi: 10.1093/intimm/dxae061.

<https://doi.org/10.1093/intimm/dxae061>

Gayathri Vegesna NV, Ronchi P, Durdu S, Terjung S, Pepperkok R:

Targeted Ablation Using Laser Nanosurgery

Methods Mol Biol. 2017;1563:107-125. doi: 10.1007/978-1-4939-6810-7_8

http://link.springer.com/protocol/10.1007/978-1-4939-6810-7_8

Genre A, Bonfante P:

The Interface Between Plants and Mycorrhizal Fungi: Nutrient Exchange, Signaling and Cell Organization

Fungal Associations; The Mycota Volume 9, 2012, pp 39-49

http://link.springer.com/chapter/10.1007%2F978-3-642-30826-0_3?LI=true

Ghelli R, Brunetti P, Marzi D, Cecchetti V, Costantini M, Lanzoni-Rossi M, Scaglia Linhares F, Costantino P, Cardarelli M:

The full-length Auxin Response Factor 8 isoform ARF8.1 controls pollen cell wall formation and directly regulates TDF1, AMS and MS188 expression

Plant J. 2023 Jan 3. doi: 10.1111/tpj.16089.

<https://doi.org/10.1111/tpj.16089>

Gipson IK :

Goblet cells of the conjunctiva: A review of recent findings

Prog Retin Eye Res. 2016 Apr 16. pii: S1350-9462(16)30014-3. doi: 10.1016/j.preteyeres.2016.04.005.

[http://linkinghub.elsevier.com/retrieve/pii/S1350-9462\(16\)30014-3](http://linkinghub.elsevier.com/retrieve/pii/S1350-9462(16)30014-3)

Girshovich A:

Implication de l'urothélium intrarénal dans les mécanismes précoces de régénération au cours de néphropathies obstructive et ischémique expérimentales

These de Doctorat (2012), French only

http://hal.inria.fr/docs/00/82/95/55/PDF/Alexis_Girshovich_Version_electronique_de_la_these.pdf

Gong L, Li YH, Su Q, Chu X, Zhang W:

Clonality of nodular lesions in liver cirrhosis and chromosomal abnormalities in monoclonal nodules of altered hepatocytes

Histopathology 56(5):589-99 (2010)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2559.2010.03523.x/full>

Gong L, Li YH, Su Q, Li G, Zhang WD, Zhang W:

Use of X-chromosome inactivation pattern and laser microdissection to determine the clonal origin of focal nodular hyperplasia of the liver

Pathology 41(4): 348-55 (2009)

<http://informahealthcare.com/doi/abs/10.1080/00313020902885029>

Gong L, Zhang WD, Liu XY, Han XJ, Yao L, Zhu SJ, Lan M, Li YH, Zhang W:

Clonal status and clinicopathological observation of cervical minimal deviation adenocarcinoma

Diagn Pathol 5:25 (2010)

<http://diagnosticpathology.org/content/5/1/25/abstract>

Gonzalez-Juarbe N, Bradley KM, Riegler AN, Reyes LF, Brissac T, Park SS, Restrepo MI, Orihuela CJ:

Bacterial Pore-Forming Toxins Promote the Activation of Caspases in Parallel to Necroptosis to Enhance Alarmin Release and Inflammation During Pneumonia

Sci Rep. 2018 Apr 11;8(1):5846. doi: 10.1038/s41598-018-24210-8.

<https://www.nature.com/articles/s41598-018-24210-8.pdf>

Goodwin RJA, Platz SJ, Reis-Filho JS, Barry ST:

Accelerating Drug Development Using Spatial Multi-omics

Cancer Discov. 2024 Apr 4;14(4):620-624. doi: 10.1158/2159-8290.CD-24-0101.

<https://doi.org/10.1158/2159-8290.CD-24-0101>

Gorman LM, Konciute MK, Cui G, Oakley CA, Grossman AR, Weis VM, Aranda M, and Davy SK:

Symbiosis with Dinoflagellates Alters Cnidarian Cell-Cycle Gene Expression

Cellular Microbiology, (23rd May) Volume 2022, Article ID 3330160, 20 pages

<https://doi.org/10.1155/2022/3330160>

Greaves LC, Yu-Wai-Man P, Blakely EL, Krishnan KJ, Beadle NE, Kerin J, Barron MJ, Griffiths PG, Dickinson AJ, Turnbull DM, Taylor RW:

Mitochondrial DNA Defects and Selective Extraocular Muscle Involvement in CPEO

Invest Ophthalmol Vis Sci 51(7): 3340-6 (2010)

<http://www.iovs.org/content/51/7/3340.short>

Grexa I, Iván ZZ, Migh E, Kovács F, Bolck HA, Zheng X, Mund A, Moshkov N, Miczán V, Koos K, Horvath P:

SuperCUT, an unsupervised multimodal image registration with deep learning for biomedical microscopy

Brief Bioinform. 2024 Jan 22;25(2):bbae029. doi: 10.1093/bib/bbae029.

<https://doi.org/10.1093/bib/bbae029>

Guether, M., Balestrino, R., Hannah, M., He, J., Udvardi, M.K., Bonfante, P.

Genome-wide reprogramming of regulatory networks, transport, cell wall and membrane biogenesis during arbuscular mycorrhizal symbiosis *Lotus japonicus*

New Phytologist 182(1):200-12 (2009)

<http://onlinelibrary.wiley.com/doi/10.1111/j.1469-8137.2008.02725.x/full>

Guglielmi L, Nardella M, Musa C, Cifola I, Porru M, Cardinali B, Iannetti I, Di Pietro C, Bolasco G, Palmieri V, Vilardo L, Panini N, Bonaventura F, Papi M, Scavizzi F, Raspa M, Leonetti C, Falcone G, Felsani A, D'Agnano I:

Circulating miRNAs in Small Extracellular Vesicles Secreted by a Human Melanoma Xenograft in Mouse Brains

Cancers (Basel). 2020 Jun 19;12(6):E1635. doi: 10.3390/cancers12061635.

<https://www.mdpi.com/2072-6694/12/6/1635>

Guliy, O. I., Evstigneeva, S. S., and Bunin, V. D.:

Bacteria-based electro-optical platform for ampicillin detection in aquatic solutions

Talanta, 122007. (2020) doi:10.1016/j.talanta.2020.122007

<https://www.sciencedirect.com/science/article/abs/pii/S0039914020312984>

Guliy OI, Evstigneeva SS, and Bunin VD:

Electrical sensor system for in vitro bacteria biofilm diagnostics

Biosensors and Bioelectronics: X (2022 May 23rd), PII: S2590-1370(22)00069-3

<https://doi.org/10.1016/j.biosx.2022.100174>

Guliy OI, Evstigneeva SS, and Bunin VD:

Microfluidic bioanalytical system for biofilm formation indication

Talanta, 123541. (13 May 2022) doi:10.1016/j.talanta.2022.123541

<https://www.sciencedirect.com/science/article/abs/pii/S003991402200337X>

Guliy OI, Evstigneeva SS, Shirokov AA, Bunin VD:

Sensor system for analysis of biofilm sensitivity to ampicillin

Appl Microbiol Biotechnol. 2024 Jan 24;108(1):172. doi: 10.1007/s00253-023-12831-7.

<https://doi.org/10.1007/s00253-023-12831-7>

Guo MY, Cao JW, Chen My, Li X:

Berberine maintains intestinal homeostasis through modulating TLR4/ NF- κ B / MTORC pathway and autophagy in cats

Research Square, April 13th 2022, DOI: <https://doi.org/10.21203/rs.3.rs-1537283/v1>

<https://doi.org/10.21203/rs.3.rs-1537283/v1>

Guo W, Hu Y, Qian J, Zhu L, Cheng J, Liao J, Fan X:

Laser capture microdissection for biomedical research: towards high-throughput, multi-omics, and single-cell resolution

J Genet Genomics. 2023 Aug 4:S1673-8527(23)00163-7. doi: 10.1016/j.jgg.2023.07.011.

<https://doi.org/10.1016/j.jgg.2023.07.011>

Gutierrez-Chavez, C., Knockaert, S., Dieu-Nosjean, MC., Goc, J. :

Methods for Selective Gene Expression Profiling in Single Tertiary Lymphoid Structure Using Laser Capture Microdissection

Dieu-Nosjean, MC. (eds) Tertiary Lymphoid Structures. Methods in Molecular Biology, vol 2864. Humana, New York, NY (2025).

https://doi.org/10.1007/978-1-0716-4184-2_6

Hagan J:

Spatial proteomics in the age of artificial intelligence: exploring the impact on cancer research

BioTechniques, 1–5. 2025

<https://doi.org/10.1080/07366205.2025.2550783>

Hagiya M, Inoue T, Furuno T, Iino T, Itami S, Nakanishi M, Asada H, Hosokawa Y, Ito A:

Increased expression of cell adhesion molecule 1 by mast cells as a cause of enhanced nerve-mast cell interaction in a hapten-induced mouse model of atopic dermatitis

Br J Dermatol. 2012 Oct 27. doi: 10.1111/bjd.12108.

<http://dx.doi.org/10.1111/bjd.12108>

Hagner S, Welz H, Kicic A, Alrifai M, Marsh LM, Sutanto EN, Ling KM, Stick SM, Müller B, Weissmann N, Renz H:

Suppression of adrenomedullin contributes to vascular leakage and altered epithelial repair during asthma: Experimental Allergy and Immunology

Allergy. 2012 Jun 12. doi: 10.1111/j.1398-9995.2012.02851.x.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1398-9995.2012.02851.x/abstract>

Halbach L, Kitzinger K, Hansen M, Benning L, Littmann S, Bradley J, Whitehouse M, Olofsson M, Mourot R, Tranter M, Kuypers M, Ellegaard-Jensen L, Anesio A:

Single-cell imaging reveals efficient nutrient uptake and growth of microalgae that darken the Greenland Ice Sheet

Research Square, Oct 17th, 2024

<https://doi.org/10.21203/rs.3.rs-5199834/v1>

Halbach L, Kitzinger K, Hansen M, Littmann S, Benning L, Bradley J, Whitehouse M, Olofsson M, Mourot R, Tranter M, Kuypers M, Ellegaard-Jensen L, Anesio A:

Single-cell imaging reveals efficient nutrient uptake and growth of microalgae darkening the Greenland Ice Sheet

Nat Commun 16, 1521 (2025).

<https://doi.org/10.1038/s41467-025-56664-6>

Hammoudeh SM, Hammoudeh AM, Venkatachalam T, Rawat S, Jayakumar MN, Rahmani M, and Hamoudi R:

Enriched transcriptome analysis of laser capture microdissected populations of single cells to investigate intracellular heterogeneity in immunostained FFPE sections

Computational and Structural Biotechnology Journal, 9 Sep 21, S2001-0370(21)00395-0

<https://doi.org/10.1016/j.csbj.2021.09.010>

Hammoudi PM, Maco B, Dogga SK, Frénal K, Soldati-Favre D:

Toxoplasma gondii TFP1 is an essential transporter family protein critical for microneme maturation and exocytosis

Mol Microbiol. 2018 May 8. doi: 10.1111/mmi.13981.

<http://dx.doi.org/10.1111/mmi.13981>

Happyana N, Agnolet S, Muntendam R, Van Dam A, Schneider B, Kayser O

Analysis of cannabinoids in laser-microdissected trichomes of medicinal Cannabis sativa using LCMS and cryogenic NMR

Phytochemistry. 2012 Dec 29. pii: S0031-9422(12)00475-X. doi: 10.1016/j.phytochem.2012.11.001.

[http://linkinghub.elsevier.com/retrieve/pii/S0031-9422\(12\)00475-X](http://linkinghub.elsevier.com/retrieve/pii/S0031-9422(12)00475-X)

Harada C, Kawaguchi T, Ogata-Suetsugu S, Yamada M, Hamada N, Maeyama T, Souzaki R, Tajiri T, Taguchi T, Kuwano K, Nakanishi Y :

EGFR Tyrosine Kinase Inhibition Worsens Acute Lung Injury in Mice with Repairing Airway Epithelium

Am J Respir Crit Care Med. 2011 Mar 15;183(6):743-51

<http://171.66.122.149/cgi/content/abstract/183/6/743>

Hård J, Al Hakim E, Kindblom M, Björklund ÅK, Sennblad B, Demirci I, Paterlini M, Reu P, Borgström E, Ståhl PL, Michaelsson J, Mold JE, Frisén J:

Conbase: a software for unsupervised discovery of clonal somatic mutations in single cells through read phasing

Genome Biol. 2019 Apr 1;20(1):68. doi: 10.1186/s13059-019-1673-8.

<https://doi.org/10.1186/s13059-019-1673-8>

Hayashi T, Kumasaka T, Mitani K, Yao T, Suda K, Seyama K:

Loss of heterozygosity on tuberous sclerosis complex genes in multifocal micronodular pneumocyte hyperplasia

Mod Pathol 23(9):1251-60 (2010)

<http://www.nature.com/modpathol/journal/v23/n9/abs/modpathol2010114a.html>

Hemmerling J, Heller K, Hörmannspurger G, Bazanella M, Clavel T, Kollias G, Haller D:

Fetal Exposure to Maternal Inflammation Does Not Affect Postnatal Development of Genetically-Driven Ileitis and Colitis

PLoS ONE 9(5): e98237. doi: 10.1371/journal.pone.0098237

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0098237#pone-0098237-g004>

Hendriks TFE, Krestensen KK, Mohren R, Vandenbosch M, De Vleeschouwer S, Heeren RMA, and Cuypers E:

MALDI-MSI-LC-MS/MS Workflow for Single-Section Single Step Combined Proteomics and Quantitative Lipidomics

Anal. Chem. 2024, DOI: 10.1021/acs.analchem.3c05850, March 4, 2024

<https://pubs.acs.org/doi/full/10.1021/acs.analchem.3c05850>

Hermans W, Geisslitz S, De Bondt Y, Langenaeken NA, Scherf KA, Courtin CM:

NanoLC-MS/MS protein analysis on laser-microdissected wheat endosperm tissues: A comparison between aleurone, sub-aleurone and inner endosperm

Food Chemistry, 12 Oct 2023, 137735

<https://doi.org/10.1016/j.foodchem.2023.137735>

Hicks DJ, Kelly M, Brookes SM, Londt BZ, Ortiz Pelaez A, Orlowska A, Brown IH, Spencer YI, Núñez A:

Cytokine Expression at Different Stages of Influenza A(H1N1)pdm09 Virus Infection in the Porcine Lung, Using Laser Capture Microdissection

Transbound Emerg Dis. 2014 Jun 3. doi: 10.1111/tbed.12232.

<http://onlinelibrary.wiley.com/doi/10.1111/tbed.12232/abstract>

Holuigue H, Nacci L, Di Chiaro P, Chighizola M, Locatelli I, Schulte C, Alfano M, Diaferia GR, Podestà A:

Native extracellular matrix probes to target patient- and tissue-specific cell-microenvironment interactions by force spectroscopy

Nanoscale. 2023 Sep 29;15(37):15382-15395. doi: 10.1039/d3nr01568h.

<https://doi.org/10.1039/d3nr01568h>

Hu JC, Chan HC, Simmer SG, Seymen F, Richardson AS, Hu Y, Milkovich RN, Estrella NM, Yildirim M, Bayram M, Chen CF, Simmer JP:

Amelogenesis Imperfecta in Two Families with Defined AMELX Deletions in ARHGAP6

PLoS One. 2012;7(12):e52052. doi: 10.1371/journal.pone.0052052.

<http://dx.plos.org/10.1371/journal.pone.0052052>

Hua J, Guerin KI, Chen J, Michán S, Stahl A, Krah NM, Seaward MR, Dennison RJ, Juan AM, Hatton CJ, Sapieha P, Sinclair DA, Smith LE:

Resveratrol inhibits pathologic retinal neovascularization in vldlr^{-/-} mice

Invest Ophthalmol Vis Sci 52(5):2809-16 (2011)

<http://www.iovs.org/content/52/5/2809.short>

Huang H, Parlier R, Shen JK, Luttly GA, Vinores SA:

VEGF Receptor Blockade Markedly Reduces Retinal Microglia/Macrophage Infiltration into Laser-Induced CNV

PLoS One. 2013 Aug 20;8(8):e71808. doi: 10.1371/journal.pone.0071808.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0071808>

Huang Q, Lv Q, Tang W, Pan Y, Xing Y, He M, Wu H, Huang J, Huang C, Lan H, Chen J, Xiao G:

A comprehensively prognostic and immunological analysis of chloride intracellular channel protein 5 (CLIC5) in pan-cancer and identification in ovarian cancer

J Cancer Res Clin Oncol. 2023 Jun 8. doi: 10.1007/s00432-023-04927-4.

<https://doi.org/10.1007/s00432-023-04927-4>

Hunt AL, Pierobon M, Baldelli E, Oliver J, Mitchell D, Gist G, Bateman NW, Larry Maxwell G, Petricoin EF, Conrads TP:

The impact of ultraviolet- and infrared-based laser microdissection technology on phosphoprotein detection in the laser microdissection-reverse phase protein array workflow

Clin Proteomics. 2020 Mar 9;17:9. doi: 10.1186/s12014-020-09272-z. eCollection 2020.

<https://clinicalproteomicsjournal.biomedcentral.com/track/pdf/10.1186/s12014-020-09272-z>

Ida-Yonemochi H, Nakajima M, Saku T:

Heparanase, heparan sulfate and perlecan distribution along with the vascular penetration during stellate reticulum retraction in the mouse enamel organ

Arch Oral Biol. 2010 Oct;55(10):778-87

<http://www.aobjournal.com/article/S0003-9969%2810%2900190-1/abstract>

Imminger S, Meier DV, Schintlmeister A, Legin A, Schneckner J, Richter A, Gillor O, Eichorst SA, Woebken D:

Survival and rapid resuscitation permit limited productivity in desert microbial communities

Nat Commun. 2024 Apr 17;15(1):3056. doi: 10.1038/s41467-024-46920-6.

<https://doi.org/10.1038/s41467-024-46920-6>

Irizarry B, Davis J, Rajpoot J, Zhu X, Xu F, Smith SO, Van Nostrand WE:

Aβ40 Fibril Assembly on Human Cerebral Smooth Muscle Cells Impairs Cell Viability.

Biochemistry. 2025 Jan 6. doi: 10.1021/acs.biochem.4c00478.

<https://doi.org/10.1021/acs.biochem.4c00478>

Ito S, Fujii H, Matsumoto T, Abe M, Ikeda K, Hino O:

Frequent expression of Niban in head and neck squamous cell carcinoma and squamous dysplasia

Head Neck 32(1):96-103 (2010)

<http://onlinelibrary.wiley.com/doi/10.1002/hed.21153/full>

Jana S, Chandran SK, Rosenblum K, Lamprecht R:

Inhibiting 5-HT_{2C} Receptor in the Hippocampus Rescues EphB2-Dependent Memory Impairment in Mice

European Journal of Pharmacology, <https://doi.org/10.1016/j.ejphar.2025.177729>.
<https://doi.org/10.1016/j.ejphar.2025.177729>

Jensen E:

Laser-Capture Microdissection

The Anatomical Record (Anat. Rec.), 2013, 1932-8494, 10.1002/ar.22791
<http://dx.doi.org/10.1002/ar.22791>

Jiang HH, Gill BC, Dissaranan C, Zutshi M, Balog BM, Lin D, Damaser MS :

Effects of acute selective pudendal nerve electrical stimulation after simulated childbirth injury

Am J Physiol Renal Physiol. 2012 Nov 14.

<http://ajprenal.physiology.org/cgi/doi/10.1152/ajprenal.00000.2012>

Jiang YK, Li MM, Wang SY, Hao ZC, Meng X, Kuang HX, Yang BY, Liu Y:

Protective effect of phenylpropionamides in the seed of Cannabis Sativa L. on Parkinson's disease through autophagy

Fitoterapia. 2024 Mar 6;175:105883. doi: 10.1016/j.fitote.2024.105883.

<https://doi.org/10.1016/j.fitote.2024.105883>

Jiménez LM, Binelli M, Bertolin K, Pelletier RM, Murphy BD :

Scavenger receptor-B1 and luteal function in mice

J Lipid Res 51(8):2362-71 (2010)

<http://www.jlr.org/content/51/8/2362.short>

Johnson KR:

Development of High-Sensitivity CE-ESI-MS-Based Methods for Proteomic Profiling of Limited Samples and Single Cells

Thesis, August 2022

<https://www.proquest.com/openview/628674e2ded6ad8d9d599fda69bc4f37/1.pdf>

Joignant AN, Bai H, Manni JG Sr, Muddiman DC :

Improved Spatial Resolution of Infrared Matrix-Assisted Laser Desorption Electrospray Ionization (IR-MALDESI) Mass Spectrometry Imaging (MSI) Using a Reflective Objective

Rapid Commun Mass Spectrom. 2022 Sep 4:e9392. doi: 10.1002/rcm.9392.

<https://doi.org/10.1002/rcm.9392>

Joshi D:

LASER MICRODISSECTION (LMD) TECHNIQUES

MGIMS journals, Volume 14, Number (ii) September 2009 11056262580

http://www.mgims.ac.in/mgimsjournal/LASER_MICRODISSECTION_LMD_TECHNIQUES.pdf

Joyal JS, Sun Y, Gantner ML, Shao Z, Evans LP, Saba N, Fredrick T, Burnim S, Kim JS, Patel G, Juan AM, Hurst CG, Hatton CJ, Cui Z, Pierce KA, Bherer P, Aguilar E, Powner MB, Vevis K, Boisvert M, Fu Z, Levy E, Fruttiger M, Packard A, Rezende FA, Maranda B, Sapieha P, Chen J, Friedlander M, Clish CB, Smith LE:

Retinal lipid and glucose metabolism dictates angiogenesis through the lipid sensor Ffar1

Nat Med. 2016 Apr;22(4):439-445. doi: 10.1038/nm.4059.

<http://dx.doi.org/10.1038/nm.4059>

Kaku M, Thant L, Dobashi A, Ono Y, Kitami M, Mizukoshi M, Arai M, Iwama H, Kitami K, Kakiyama Y, Matsumoto M, Saito I, Uoshima K:

Multomics analysis of cultured mouse periodontal ligament cell-derived extracellular matrix

Sci Rep. 2024 Jan 3;14(1):354. doi: 10.1038/s41598-023-51054-8.

<https://www.nature.com/articles/s41598-023-51054-8>

Kalahasti KK, Nagaraju M, Jakhotia S, Reddy SS, Reddy GB:

Functional food prevents diabetic nephropathy in a rat model through inhibition of aldose reductase and accumulation of advanced glycation end-products

PharmaNutrition, Volume 33, September 2025, 100446

<https://doi.org/10.1016/j.phanu.2025.100446>

Kalef-Ezra E, Bowes A, Proukakis C:

Single-cell Whole Genome Amplification (scWGA) of human frozen post-mortem brain samples isolated by Laser Capture Microdissection (LCM)

Protocols.io, Dec 07 2023

<https://dx.doi.org/10.17504/protocols.io.5gpvorjw7v4o/v1>

Kantlehner M, Kirchner R, Hartmann P, Ellwart JW, Alunni-Fabroni M, Schumacher A.:

A high-throughput DNA methylation analysis of a single cell.

Nucleic Acids Res. 2011 Apr;39(7):e44.

<http://nar.oxfordjournals.org/content/39/7/e44.long>

Kasarla SS, Fecke A, Smith KW, Flocke V, Flögel U, Phapale P:

Improved MALDI-MS Imaging of Polar and 2H-Labeled Metabolites in Mouse Organ Tissues

chemRxiv, May 2025

<https://doi.org/10.26434/chemrxiv-2025-jhkv6>

Kataoka K, Matsumoto H, Kaneko H, Notomi S, Takeuchi K, Sweigard JH, Atik A, Murakami Y, Connor KM, Terasaki H, Miller JW, Vavvas DG:

Macrophage- and RIP3-dependent inflammasome activation exacerbates retinal detachment-induced photoreceptor cell death

Cell Death Dis. 2015 Apr 23;6:e1731. doi: 10.1038/cddis.2015.73.

<http://dx.doi.org/10.1038/cddis.2015.73>

Kawakami R, Nozato Y, Nakagami H, Ikeda Y, Shimamura M, Yoshida S, Sun J, Kawano T, Takami Y, Noma T, Rakugi H, Minamino T, Morishita R:

Development of vaccine for dyslipidemia targeted to a proprotein convertase subtilisin/kexin type 9 (PCSK9) epitope in mice

PLoS One. 2018 Feb 13;13(2):e0191895. doi: 10.1371/journal.pone.0191895. eCollection 2018.

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0191895>

Kawakita T, Shimmura S, Higa K, Espana EM, He H, Shimazaki J, Tsubota K, Tseng SC:

Greater growth potential of p63-positive epithelial cell clusters maintained in human limbal epithelial sheets

Invest Ophthalmol Vis Sci 50(10):4611-7 (2009)

<http://www.iovs.org/content/50/10/4611.short>

Kawamoto T, Kawamoto K:

Preparation of Thin Frozen Sections from Nonfixed and Undecalcified Hard Tissues Using Kawamoto's Film Method (2012)

Methods Mol Biol. 2014;1130:149-64. doi: 10.1007/978-1-62703-989-5_11

http://link.springer.com/protocol/10.1007%2F978-1-62703-989-5_11

Kempfer R, Pombo A:

Methods for mapping 3D chromosome architecture

Nat Rev Genet. 2019 Dec 17. doi: 10.1038/s41576-019-0195-2.

<https://www.nature.com/articles/s41576-019-0195-2>

Keplinger S:

Influence of the adult eyes on circadian and lunar rhythms in *Platynereis dumerilii*

Thesis, Nov 2010

http://othes.univie.ac.at/12266/1/2010-11-24_0307989.pdf

Kertesz V, Cahill JF:

Spatially resolved absolute quantitation in thin tissue by mass spectrometry

Anal Bioanal Chem. 2020 Nov 2. doi: 10.1007/s00216-020-02964-3.

<https://link.springer.com/article/10.1007/s00216-020-02964-3>

Khan AM, Grant AH, Martinez A, Burns GAPC, Thatcher BS, Anekonda VT, Thompson BW, Roberts ZS, Moralejo DH, Blevins JE:

Mapping Molecular Datasets Back to the Brain Regions They are Extracted from: Remembering the

Native Countries of Hypothalamic Expatriates and Refugees

Adv Neurobiol. 2018;21:101-193. doi: 10.1007/978-3-319-94593-4_6.

<https://www.biorxiv.org/content/early/2018/06/13/307652>

Kitagawa D, Flückiger I, Polanowska J, Keller D, Reboul J, Gönczy P :

PP2A Phosphatase Acts upon SAS-5 to Ensure Centriole Formation in C. elegans Embryos

Dev Cell. 2011 Apr 19;20(4):550-62.

[http://linkinghub.elsevier.com/retrieve/pii/S1534-5807\(11\)00074-8](http://linkinghub.elsevier.com/retrieve/pii/S1534-5807(11)00074-8)

Kitzinger K, Marchant HK, Bristow LA, Herbold CW, Padilla CC, Kidane AT, Littmann S, Daims H, Pjevac P, Stewart FJ, Wagner M, Kuypers MMM:

Single cell analyses reveal contrasting life strategies of the two main nitrifiers in the ocean

Nat Commun. 2020 Feb 7;11(1):767. doi: 10.1038/s41467-020-14542-3.

<https://www.nature.com/articles/s41467-020-14542-3>

Klawonn I, Nahar N, Walve J, Andersson B, Olofsson M, Svedén BJ, Littmann S, Whitehouse MJ, Kuypers M, Ploug H:

Cell-specific nitrogen- and carbon-fixation of cyanobacteria in a temperate marine system (baltic sea)

Environ Microbiol. 2016 Oct 1. doi: 10.1111/1462-2920.13557.

<http://dx.doi.org/10.1111/1462-2920.13557>

Kleindienst S, Polerecky L, Amann R, Musat F, Knittel K:

In Situ Metabolic Rates of Alkane-Degrading Sulphate-Reducing Bacteria in Hydrocarbon Seep Sediments Revealed by Combining CARD-FISH, NanoSIMS, and Mathematical Modelling

Environ Microbiol. 2025 Aug;27(8):e70151. doi: 10.1111/1462-2920.70151.

<https://doi.org/10.1111/1462-2920.70151>

Klingeberg M, Krisp C, Fritzsche S, Schallenberg S, Hornburg D, and Coscia F:

An ultrasensitive spatial tissue proteomics workflow exceeding 100 proteomes per day

bioRxiv, 05 June 2025

<https://doi.org/10.1101/2025.06.02.657389>

Klipcan L, Kamennaya NA, Than Than Aye N, Van-Oss-Pinhasi R, Meron E, Assouline S, and Yizhaq H:

Microbial Factors May Contribute to the Persistence of Australian Fairy Circles

J Biomed Res Environ Sci, 13 Jan 2024, DOI: 10.37871

<https://www.jelsciences.com/articles/jbres1869.pdf>

Kluz, PN:

The multifaceted roles of CD177 in mammary tissue development and breast cancer

Thesis, 2018

<https://ir.uiowa.edu/cgi/viewcontent.cgi?article=8099&context=etd>

Kojima H, Kosugi T, Sato W, Sato Y, Maeda K, Kato N, Kato K, Inaba S, Ishimoto T, Tsuboi N, Matsuo S, Maruyama S, Yuzawa Y, Kadomatsu K:

Deficiency of Growth Factor Midkine Exacerbates Necrotizing Glomerular Injuries in Progressive Glomerulonephritis

Am J Pathol. 2012 Nov 27. pii: S0002-9440(12)00810-3. doi: 10.1016/j.ajpath.2012.10.016.
<http://www.sciencedirect.com/science/article/pii/S0002944012008103>

Kolble, K.:

The LEICA microdissection system: design and applications

J Mol Med 78(7): B24-25 (2000)
<http://www.ncbi.nlm.nih.gov/pubmed/11043387>

Kolotuev I, Bumbarger DJ, Labouesse M, Schwab Y:

Targeted ultramicrotomy: a valuable tool for correlated light and electron microscopy of small model organisms

Methods Cell Biol. 2012;111:203-22
<http://www.ncbi.nlm.nih.gov/pubmed/22857930>

Kolotuev I, Schwab Y, Labouesse M:

A precise and rapid mapping protocol for correlative light and electron microscopy of small invertebrate organisms

Biol Cell. 2009 Dec 4;102(2):121-32.
<http://dx.doi.org/10.1042/BC20090096>

Korabecna M, Steiner P, Jirkovska M

DNA from microdissected tissues may be extracted and stored on microscopic slides

Neoplasma. 2016 Jun 7. doi: 10.4149/neo_2016_404.
http://dx.doi.org/10.4149/neo_2016_404

Korabecna M, Tonar Z, Tomori Z, Demjen E:

Optimized cutting laser trajectory for laser capture microdissection

Biologia (2019). <https://doi.org/10.2478/s11756-019-00234-x>
<https://link.springer.com/article/10.2478/s11756-019-00234-x>

Korekane, H., Shida, K., Murata, K., Ohue, M., Sasaki, Y., Imaoka, S., and Miyamoto, Y.:

Evaluation of laser microdissection as a tool in cancer glycomic studies

Biochem Biophys Res Commun 352(3): 579-586 (2007)
<http://dx.doi.org/10.1016/j.bbrc.2006.10.191>

Kowalski PS, Zwiers PJ, Morselt HW, Kuldo JM, Leus NG, Ruiters MH, Molema G, Kamps JA:

Anti-VCAM-1 SAINT-O-Somes enable endothelial-specific delivery of siRNA and downregulation of inflammatory genes in activated endothelium in vivo

J Control Release. 2014 Jan 2. pii: S0168-3659(13)00971-1. doi: 10.1016/j.jconrel.2013.12.029.
<http://www.sciencedirect.com/science/article/pii/S0168365913009711>

Kroupova P, van Schothorst EM, Keijer J, Bunschoten A, Vodicka M, Irodenko I, Oseeva M, Zacek P, Kopecky J, Rossmeisl M, Horakova O:

Omega-3 Phospholipids from Krill Oil Enhance Intestinal Fatty Acid Oxidation More Effectively than Omega-3 Triacylglycerols in High-Fat Diet-Fed Obese Mice

Nutrients. 2020 Jul 9;12(7):E2037. doi: 10.3390/nu12072037.
<https://www.mdpi.com/resolver?pii=nu12072037>

Krupke A, Mohr W, LaRoche J, Fuchs BM, Amann RI, Kuypers MM:

The effect of nutrients on carbon and nitrogen fixation by the UCYN-A-haptophyte symbiosis

ISME J. 2014 Dec 23. doi: 10.1038/ismej.2014.253.
<http://www.nature.com/ismej/journal/vaop/ncurrent/full/ismej2014253a.html>

Krupke A, Musat N, Laroche J, Mohr W, Fuchs BM, Amann RI, Kuypers MM, Foster RA:
In situ identification and N₂ and C fixation rates of uncultivated cyanobacteria populations
Syst Appl Microbiol. 2013 Mar 26. pii: S0723-2020(13)00030-1. doi: 10.1016/j.syapm.2013.02.002.
<http://www.sciencedirect.com/science/article/pii/S0723202013000301>

Kshatriya K:
Thujone biosynthesis in Western Redcedar (*THUJA PLICATA*)
Thesis, 2020
<https://open.library.ubc.ca/cIRcle/collections/ubctheses/24/items/1.0388729>

Kshatriya K, Whitehill JGA, Madilao L, Henderson H, Kermode A, Kolotelo D, Bohlmann J:
Histology of resin vesicles and oleoresin terpene composition of conifer seeds
Canadian Journal of Forest Research, 2018 Jun 26; <https://doi.org/10.1139/cjfr-2018-0164>
<http://www.nrcresearchpress.com/doi/abs/10.1139/cjfr-2018-0164#.WznIW4VOJhs>

Kumar CU, Reddy SS, and Reddy GB:
Alterations in Cardiac Tissue of a Natural Obese Rat Model: Implications for Obesity-Associated Cardiomyopathy
Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci. (2022).
<https://doi.org/10.1007/s40011-021-01305-3>

Kwan R, Brady GH, Brzozowski M, Weerasinghe SV, Martin H, Park M-J, Brunt MJ, Menon RK, Tong X, Yin L, Stewart CL, Omary MB:
Hepatocyte-Specific Deletion of Mouse Lamin A/C Leads to Male-Selective Steatohepatitis
Cellular and Molecular Gastroenterology and Hepatology, 2017, ISSN 2352-345X
<http://www.sciencedirect.com/science/article/pii/S2352345X17301030>

Kwon H, Bang K, Cho S:
Characterization of the Hemocytes in Larvae of *Protaetia brevitarsis seulensis*: Involvement of Granulocyte Mediated Phagocytosis
PLoS One. 2014 Aug 1;9(8):e103620. doi: 10.1371/journal.pone.0103620.
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0103620>

Ladanyi, A., Sipos, F., Szoke, D., Galamb, O., Molnar, B., and Tulassay, Z.:
Laser microdissection in translational and clinical research
Cytometry A 69(9): 947-960 (2006)
<http://onlinelibrary.wiley.com/doi/10.1002/cyto.a.20322/full>

Langer S, Vogts A, Schulz-Vogt HN:
Simultaneous Visualization of Enzymatic Activity in the Cytoplasm and at Polyphosphate Inclusions in *Beggiatoa* sp. Strain 35Flor Incubated with ¹⁸O-Labeled Water
mSphere. 2018 Dec 19;3(6). pii: e00489-18. doi: 10.1128/mSphere.00489-18.
<https://msphere.asm.org/content/3/6/e00489-18>

Lash GE, Innes BA, Drury JA, Robson SC, Quenby S, Bulmer JN:
Localization of angiogenic growth factors and their receptors in the human endometrium throughout the menstrual cycle and in recurrent miscarriage
Hum Reprod. 2011 Nov 10. [Epub ahead of print]
<http://humrep.oxfordjournals.org/content/early/2011/11/09/humrep.der376.long>

Lau J, Grapengiesser, and Hellman B:
Small Mouse Islets Are Deficient in Glucagon-Producing Alpha Cells but Rich in Somatostatin-Secreting Delta Cells
Journal of Diabetes Research; Volume 2016 (2016), Article ID 4930741, 6 pages
<http://www.hindawi.com/journals/jdr/2016/4930741/>

Lazazzara V, Bueschl C, Parich A, Pertot I, Schuhmacher R, Perazzolli M:

Downy mildew symptoms on grapevines can be reduced by volatile organic compounds of resistant genotypes

Sci Rep. 2018 Jan 26;8(1):1618. doi: 10.1038/s41598-018-19776-2.

<https://www.nature.com/articles/s41598-018-19776-2.pdf>

Le J, Dian Y, Zhao D, Guo Z, Luo Z, Chen X, Zeng F, Deng G:

Single-cell multi-omics in cancer immunotherapy: from tumor heterogeneity to personalized precision treatment

Mol Cancer. 2025 Aug 25;24(1):221. doi: 10.1186/s12943-025-02426-3.

<https://doi.org/10.1186/s12943-025-02426-3>

Lee K, Santibanez-Koref M, Polvikoski T, Birchall D, Mendelow AD, Keavney B:

Increased expression of fatty acid binding protein 4 and leptin in resident macrophages characterises atherosclerotic plaque rupture

Atherosclerosis, Epub 5 Oct 2012, ISSN 0021-9150, 10.1016/j.atherosclerosis.2012.09.037.

<http://www.sciencedirect.com/science/article/pii/S0021915012006557?v=s5>

Lee KJ, Saha J, Sun J, Fattah KR, Wang SC, Jakob B, Chi L, Wang SY, Taucher-Scholz G, Davis AJ, Chen DJ:

Phosphorylation of Ku dictates DNA double-strand break (DSB) repair pathway choice in S phase

Nucleic Acids Res. 2016 Feb 29;44(4):1732-45. doi: 10.1093/nar/gkv1499.

<http://nar.oxfordjournals.org/content/44/4/1732.full.pdf+html>

Legres LG, Janin A, Masselon C, Bertheau P:

Beyond laser microdissection technology: follow the yellow brick road for cancer research

Am J Cancer Res 2014;4(1):1-28; www.ajcr.us/ISSN:2156-6976/ajcr0000234

<http://www.ajcr.us/files/ajcr0000234.pdf>

Lembrechts R, Pintelon I, Schnorbusch K, Kemp P, Timmermans JP, Riccardi D, Adriaensen D, Brouns I:

Functional expression of the extracellular Ca²⁺-sensing receptor in pulmonary neuroepithelial bodies unraveled by RT-PCR after laser microdissection, multilabel immunohistochemistry and high resolution confocal calcium imaging

Poster, EMC 2012, Manchester

http://www.emc2012.org.uk/documents/Abstracts/Abstracts/EMC2012_0483.pdf

Lentini G, Ben Chaabene R, Vadas O, Ramakrishnan C, Mukherjee B, Mehta V, Lunghi M, Grossmann J, Maco B, Visentin R, Hehl AB, Korkhov VM, Soldati-Favre D:

Structural insights into an atypical secretory pathway kinase crucial for Toxoplasma gondii invasion.

Nat Commun. 2021 Jun 18;12(1):3788. doi: 10.1038/s41467-021-24083-y.

<https://www.nature.com/articles/s41467-021-24083-y>

Lentini G, Dubois DJ, Maco B, Soldati-Favre D, Fréchal K:

The roles of Centrin 2 and Dynein Light Chain 8a in apical secretory organelles discharge of Toxoplasma gondii

Traffic. 2019 Jun 17. doi: 10.1111/tra.12673.

<https://doi.org/10.1111/tra.12673>

Lenzi L1, Caruso C2, Bianchedi PL3, Pertot I4, Perazzolli M:

Laser microdissection of grapevine leaves reveals site-specific regulation of transcriptional response to Plasmopara viticola

Plant Cell Physiol. 2015 Nov 6. pii: pcv166.

<http://pcp.oxfordjournals.org/cgi/pmidlookup?view=long&pmid=26546320>

Li B:

Clinical Genomic Analysis and Diagnosis --Genomic Analysis Ex Vivo, in Vitro and in Silico

Clinical Medicine and Diagnostics 2012, 2(4): 37-44

<http://article.sapub.org/10.5923.j.cmd.20120204.04.html>

Li H, Fan C, Lu H, Feng C, He P, Yang X, Xiang C, Zuo J, Tang W:

Protective role of berberine on ulcerative colitis through modulating enteric glial cells-intestinal epithelial cells-immune cells interactions

Acta Pharmaceutica Sinica B, 17 Aug 2019, S2211-3835(19)30637-9

<https://doi.org/10.1016/j.apsb.2019.08.006>

Li J, Li SS, Liu Y, Tang WY, Liu XF, Meng CF, Zhang LY, Sun MX:

An efficient semi-in vivo zygotic embryogenesis system in Arabidopsis

In Vitro Cell.Dev.Biol.-Plant, 27. Dec 2022

<https://doi.org/10.1007/s11627-022-10319-z>

Li X, Sun Y, Wang S, Si C, Li H, and Chang B:

A 3-Dimensional Scaffolding System Recapitulates the Hierarchical Osteon Structure

ACS Omega 2024, XXXX, XXX, XXX-XXX

<https://doi.org/10.1021/acsomega.4c04146>

Li Y, Jiao T, Cheng X, Liu L, Zhang M, Li J, Wang J, Hu S, Li C, Yu T, Liu Y, Li Y, Zhang Y, Sun C, Sun J, Wang J, Xie C, Liu H:

Development of cyclopeptide inhibitors specifically disrupting FXR-coactivator interaction in the intestine as a novel therapeutic strategy for MASH

Life Metabolism, loaf004

<https://doi.org/10.1093/lifemeta/loaf004>

Li YQ, Chandran BK, Lim CT, and Chen X:

Rational Design of Materials Interface for Efficient Capture of Circulating Tumor Cells

Advanced Science. 16. Jul 2015, doi: 10.1002/advs.201500118

<http://onlinelibrary.wiley.com/doi/10.1002/advs.201500118/abstract>

Liba A and Wanagat J:

Single Cell Multiplex Protein Measurements through Rare Earth Element Immunolabeling, Laser Capture Microdissection and Inductively Coupled Mass Spectrometry

J Cytol Histol 2014, 5:6

<http://dx.doi.org/10.4172/2157-7099.1000290>

Lin HY, Law PY, Loh HH:

Activation of PKC α or PKC ϵ as an approach to increase morphine tolerance in respiratory depression and lethal overdose

J Pharmacol Exp Ther. 2012 Jan 6. doi: 10.1124/jpet.111.188235

<http://jpet.aspetjournals.org/content/early/2012/01/06/jpet.111.188235.abstract>

Lin S, Ye C, Zhang W, Xu A, Chen S, Ren J, and Ling S:

Nanofibril Organization in Silk Fiber as Inspiration for Ductile and Damage-Tolerant Fiber Design

Adv. Fiber Mater. (2019). <https://doi.org/10.1007/s42765-019-00013-y>

<https://link.springer.com/article/10.1007/s42765-019-00013-y>

Liso M, De Santis S, Verna G, Dicarlo M, Calasso M, Santino A, Gigante I, Eri R, Raveenthiraraj S, Sobolewski A, Palmitessa V, Lippolis A, Mastronardi M, Armentano R, Serino G, De Angelis M, Chieppa M:

A Specific Mutation in Muc2 Determines Early Dysbiosis in Colitis-Prone Winnie Mice

Inflamm Bowel Dis. 2019 Nov 21. pii: izz279. doi: 10.1093/ibd/izz279.

<https://academic.oup.com/ibdjournal/advance-article/doi/10.1093/ibd/izz279/5636895>

Liu R, Wang Y, Conglian L, Zheng Z, Du X, Cui Z, Zhang Y, Liu H:
Morphology and Mass spectrometry-based Chemical Profiling of Peltate glandular trichomes on *Mentha haplocalyx* Briq leaves

Food Research International, 10 December 2022, 112323

<https://doi.org/10.1016/j.foodres.2022.112323>

Liu Y, Chen L, Yu J, Ye L, Hu H, Wang J, Wu B:

Advances in Single-Cell Toxicogenomics in Environmental Toxicology

Environ Sci Technol. 2022 Jul 26. doi: 10.1021/acs.est.2c01098.

<https://pubs.acs.org/doi/full/10.1021/acs.est.2c01098>

Liu Y, Huang H, Sun G, Alwadani S, Semba RD, Luttly GA, Yiu S, Edward DP:

Gene Expression Profile of Extracellular Matrix and Adhesion Molecules in the Human Normal Corneal Stroma

Curr Eye Res. 2016 Jul 21:1-8.

<http://www.tandfonline.com/doi/full/10.1080/02713683.2016.1200099>

Lukowski JK, Cho BK, Calderon AZ, Dianati B, Stumpo K, Snyder S, Goo YA:

Advances in Spatial Multi-Omics: A Review of Multi-Modal Mass Spectrometry Imaging and Laser Capture Microdissection-LCMS Integration

Proteomics. 2025 May 12:e202400378. doi: 10.1002/pmic.202400378.

<https://doi.org/10.1002/pmic.202400378>

Luxen M, Zwiers PJ, Meester F, Jongman RM, Kuiper T, Moser J, Pultar M, Skalicky S, Diendorfer AB, Hackl M, van Meurs M, Molema G:

Unique miRNome and Transcriptome Profiles Underlie Microvascular Heterogeneity in Mouse Kidney

Am J Physiol Renal Physiol. 2023 Jul 6. doi: 10.1152/ajprenal.00005.2023.

<https://doi.org/10.1152/ajprenal.00005.2023>

Ma C, Qu T, Chang B, Jing Y, Feng JQ, Liu X:

3D Maskless Micropatterning for Regeneration of Highly Organized Tubular Tissues

Adv Healthc Mater. 2017 Nov 9. doi: 10.1002/adhm.201700738.

<http://dx.doi.org/10.1002/adhm.201700738>

Ma N, Siegfried C, Kubota M, Huang J, Liu Y, Liu M, Dana B, Huang A, Beebe D, Yan H, Shui YB:

Expression Profiling of Ascorbic Acid-Related Transporters in Human and Mouse Eyes

Invest Ophthalmol Vis Sci. 2016 Jun 1;57(7):3440-3450. doi: 10.1167/iovs.16-19162.

<http://iovs.arvojournals.org/article.aspx?doi=10.1167/iovs.16-19162>

Makhmut A, Qin D, Hartlmayr D, Seth A, and Coscia F:

An automated and fast sample preparation workflow for laser microdissection guided ultrasensitive proteomics

bioRxiv, Dec 1st 2023

<https://doi.org/10.1101/2023.11.29.569257>

Makhmut A, Qin D, Hartlmayr D, Seth A, and Coscia F:

An Automated and Fast Sample Preparation Workflow for Laser Microdissection Guided Ultrasensitive Proteomics

Mol Cell Proteomics 23(5), 100750, 2024

<https://doi.org/10.1101/2023.11.29.569257>

Maloum-Rami F, Cheung P, Antoni G, Jin Z, Eriksson O, Espes D:

PET imaging of GABAA receptors in pancreatic islets by [11C]flumazenil

EJNMMI Res. 2024 Dec 2;14(1):122. doi: 10.1186/s13550-024-01176-5.

<https://doi.org/10.1186/s13550-024-01176-5>

Mande PV, Parikh FR, Hinduja I, Zaveri K, Vaidya R, Gajbhiye R and Khole VV:
Identification and validation of candidate biomarkers involved in human ovarian autoimmunity

Reproductive BioMedicine Online (2011)

<http://dx.doi.org/10.1016/j.rbmo.2011.06.013>

Mao Y, Li Y, Zheng Z, Xu Y, Ke M, He A, Liang F, Zhang K, Wang X, Gao W, Tian R:

All-at-once spatial proteome profiling of complex tissue context with single-cell-type resolution by proximity proteomics

Cell Syst. 2025 May 5:101291. doi: 10.1016/j.cels.2025.101291.

<https://doi.org/10.1016/j.cels.2025.101291>

Marek A, Schöler C, Satué M, Haigl B, Erben RG:

A Laser Capture Microdissection Protocol That Yields High Quality RNA from Fresh-frozen Mouse Bones

J. Vis. Exp. (151), e60197, doi:10.3791/60197 (2019).

<https://www.jove.com/video/60197/a-laser-capture-microdissection-protocol-that-yields-high-quality-rna>

Maris E, Jahouh F, Allaerts K, Vreeken R:

Development of a sequential laser microdissection tissue cuts workflow for the spatial and quantitative analysis of drugs in fresh frozen tissue sections

PLoS One. 2024 Dec 23;19(12):e0312542. doi: 10.1371/journal.pone.0312542. eCollection 2024.

<https://doi.org/10.1371/journal.pone.0312542>

Marq JB, Gosetto M, Altenried A, Vadas O, Maco B, Dos Santos Pacheco N, Tosetti N, Soldati-Favre D, Lentini G:

Cytokinetic abscission in *Toxoplasma gondii* is governed by protein phosphatase 2A and the daughter cell scaffold complex

EMBO J. 2024 Jul 15. doi: 10.1038/s44318-024-00171-9.

<https://doi.org/10.1038/s44318-024-00171-9>

Martin A, Joignant AN, Farrell M, Planchart A, Muddiman DC:

Feasibility of IR-MALDESI Mass Spectrometry Imaging of PFAS

J Mass Spectrom. 2025 Feb;60(2):e5112. doi: 10.1002/jms.5112.

<https://doi.org/10.1002/jms.5112>

Martinez E, Im H, Campos-Gomez J, Orihuela CJ:

The Oxylipin Dependent Quorum Sensing System enhances *Pseudomonas aeruginosa* dissemination during burn-associated infection

Res Square, preprint, Version 1, posted 25 Sep, 2024

<https://doi.org/10.21203/rs.3.rs-5073300/v1>

Matsuda A, Boottanun P, Koizumi S, Nagai M, Kuno A:

Differential Glycoform Analysis of MUC1 Derived from Biological Specimens Using an Antibody-Overlay Lectin Microarray

Methods Mol Biol. 2024;2763:223-236. doi: 10.1007/978-1-0716-3670-1_19.

https://link.springer.com/protocol/10.1007/978-1-0716-3670-1_19

Matsuda K, Brown CR, Foley B, Goeken R, Whitted S, Dang Q, Wu F, Plishka R, White AB, Hirsch VM:

Laser Capture Microdissection Assessment of Virus Compartmentalization in the CNS of Macaques Infected with Neurovirulent SIV

J Virol. 2013 May 29

<http://jvi.asm.org/cgi/lookup?view=long&pmid=23720733>

Matsumoto H, Murakami Y, Kataoka K, Notomi S, Mantopoulos D, Trichonas G, Miller JW, Gregory MS, Ksander BR, Marshak-Rothstein A, Vavvas DG:

Membrane-bound and soluble Fas ligands have opposite functions in photoreceptor cell death following separation from the retinal pigment epithelium

Cell Death Dis. 2015 Nov 19;6:e1986. doi: 10.1038/cddis.2015.334.

<http://dx.doi.org/10.1038/cddis.2015.334>

Martínez-Pérez C, Mohr W, Schwedt A, Dürschlag J, Callbeck CM, Schunck H, Dekaezemacker J, Buckner CRT, Lavik G, Fuchs BM, Kuypers MMM:

Metabolic versatility of a novel N_2 -fixing Alphaproteobacterium isolated from a marine oxygen minimum zone

Environ Microbiol. 2017 Dec 1. doi: 10.1111/1462-2920.14008.

<http://dx.doi.org/10.1111/1462-2920.14008>

Massimino, M.; Martorana, F.; Stella, S.; Vitale, S.R.; Tomarchio, C.; Manzella, L.; Vigneri, P.:

Single-Cell Analysis in the OMICS Era: Technologies and Applications in Cancer

Genes 2023, 14, 1330.

<https://doi.org/10.3390/genes14071330>

Maussion G, Thomas RA, Demirova I, Gu G, Cai E, Chen CX-Q, Abdian N, Strauss TJP, Kelaï S, Nauleau-Javaudin A, Beitel LK, Ramoz N, Gorwood P, Durcan TM:

Auto-qPCR: A Python based web app for automated and reproducible analysis of qPCR data

bioRxiv, Jan 2021, doi: <https://doi.org/10.1101/2021.01.14.426748>

<https://www.biorxiv.org/content/10.1101/2021.01.14.426748v1>

Menon S, Chi Hang Lui V, Kwong Hang Tam P:

Comparison of Computational Tools for Differential Gene Expression Analysis of RNA Sequencing and Single-Cell RNA Sequencing Data

ejbps, 2022, Volume 9, Issue 4, 86-94

https://www.ejbps.com/ejbps/abstract_id/8681

Mezger STP, Mingels AMA, Bekers O, Heeren RMA, Cillero-Pastor B:

Mass Spectrometry Spatial-Omics on a Single Conductive Slide

Anal Chem. 2021 Jan 7. doi: 10.1021/acs.analchem.0c04572.

<https://pubs.acs.org/doi/full/10.1021/acs.analchem.0c04572>

Mills Q, Ashbacher SM, Sohn AL, Muddiman DC :

Topographic imaging with automatic z-axis correction of Brassica oleracea var. viridis leaves by IR-MALDESI mass spectrometry imaging

Anal Bioanal Chem. 2025 Mar 15. doi: 10.1007/s00216-025-05820-4.

<https://doi.org/10.1007/s00216-025-05820-4>

Milucka J, Ferdelman TG, Polerecky L, Franzke D, Wegener G, Schmid M, Lieberwirth I, Wagner M, Widdel F, Kuypers MM:

Zero-valent sulphur is a key intermediate in marine methane oxidation

Nature. 2012 Nov 7. doi: 10.1038/nature11656.

<http://dx.doi.org/10.1038/nature11656>

Mitchell, D., Hunt, A. L., Conrads, K. A., Hood, B. L., Makohon-Moore, S. C., Rojas, C., Maxwell, G. L., Bateman, N. W., Conrads, T. P.:

Industrialized, Artificial Intelligence-guided Laser Microdissection for Microscaled Proteomic Analysis of the Tumor Microenvironment

J. Vis. Exp. (184), e64171, doi:10.3791/64171 (2022).

<https://www.jove.com/de/t/64171/industrialized-artificial-intelligence-guided-laser-microdissection>

Miyai K, Yamamoto S, Aida S, Shimazaki H, Takano M, Kudoh K, Furuya K, Tamai S, Matsubara O:

Massive intra-abdominal undifferentiated carcinoma derived from an endometrioid adenocarcinoma in a "normal-sized" ovary

Int J Gynecol Pathol. 2010 Jul;29(4):321-7.

http://journals.lww.com/intjgynpathology/Abstract/2010/07000/Massive_Intra_abdominal_Undifferentiated_Carcinoma.4.aspx

Mizuno S, Bogaard HJ, Kraskauskas D, Alhussaini A, Gomez-Arroyo J, Voelkel NF, Ishizaki T:

p53 Gene deficiency promotes hypoxia-induced pulmonary hypertension and vascular remodeling in mice

Am J Physiol Lung Cell Mol Physiol. 2011 May;300(5):L753-61

<http://ajplung.physiology.org/content/300/5/L753.short>

Moeller FU, Herbold CW, Schintlmeister A, Mooshammer M, Motti C, Behnam F, Watzka M, Schweder T, Alberstsen M, Richter A, Webster NS, and Wagner M:

Taurine as a key intermediate for host-symbiont interaction in the tropical sponge *Ianthella basta*

bioRxiv, 13 Feb 2023

<https://doi.org/10.1101/2022.09.23.509140>

Mohtashami M, Shah DK, Nakase H, Kianizad K, Petrie HT, Zúñiga-Pflücker JC:

Direct comparison of Dll1- and Dll4-mediated Notch activation levels shows differential lymphomyeloid lineage commitment outcomes

J Immunol. 2010 Jul 15;185(2):867-76

<http://www.jimmunol.org/content/185/2/867.short>

Montani D, Perros F, Gambaryan N, Girerd B, Dorfmueller P, Price LC, Huertas A, Hammad H, Lambrecht B, Simonneau G, Launay JM, Cohen-Kaminsky S, Humbert M:

C-Kit Positive Cells Accumulate in Remodeled Vessels of Idiopathic Pulmonary Arterial Hypertension

Am J Respir Crit Care Med. 2011 Feb 4. [Epub ahead of print]

<http://171.66.122.149/cgi/content/abstract/201006-0905OCv1>

Monteil CL, Vallenet D, Menguy N, Benzerara K, Barbe V, Fouteau S, Cruaud C, Floriani M, Viollier E, Adryanczyk G, Leonhardt N, Faivre D, Pignol D, López-García P, Weld RJ, Lefevre CT:

Ectosymbiotic bacteria at the origin of magnetoreception in a marine protist

Nat Microbiol. 2019 Jul;4(7):1088-1095. doi: 10.1038/s41564-019-0432-7.

<http://dx.doi.org/10.1038/s41564-019-0432-7>

Mori Y, Chung UI, Tanaka S, Saito T:

Determination of differential gene expression profiles in superficial and deeper zones of mature rat articular cartilage using RNA sequencing of laser microdissected tissue specimens

Biomed Res. 2014;35(4):263-70.

<http://japanlinkcenter.org/DN/JST.JSTAGE/biomedres/35.263?lang=en&from=PubMed>

Morono Y, Terada T, Nishizawa M, Ito M, Hillion F, Takahata N, Sano Y, Inagaki F:

Carbon and nitrogen assimilation in deep subseafloor microbial cells

Proc Natl Acad Sci U S A. 2011 Oct 10. [Epub ahead of print]

<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=21987801>

Moulin C, Dvorianchikova G, Bineshfar N, Swingle B, Martinez G, Groso D, Zhang M, Ivanov D, Pelaez D:

Novel laser model of optic nerve transection provides valuable insights about the dynamics of optic nerve regeneration

Research Square, 2nd Nov 2024

<https://doi.org/10.21203/rs.3.rs-5085599/v1>

Moulin C, Dvorianchikova G, Binesfar N, Swingle B, Martinez G, Groso D, Zhang M, Ivanov D, Pelaez D:

Publisher Correction: Novel laser model of optic nerve transection provides valuable insights about the dynamics of optic nerve regeneration

Sci Rep. 2024 Nov 29;14(1):29691. doi: 10.1038/s41598-024-80215-6.

<https://doi.org/10.1038/s41598-024-80215-6>

Mouzat K, Volat F, Baron S, Alves G, Pommier AJ, Volle DH, Marceau G, DeHaze A, Déchelotte P, Duggavathi R, Caira F, Lobaccaro JM:

Absence of nuclear receptors for oxysterols liver X receptor induces ovarian hyperstimulation syndrome in mice

Endocrinology. 2009 Jul;150(7):3369-75. doi: 10.1210/en.2008-1519.

<http://endo.endojournals.org/cgi/pmidlookup?view=long&pmid=19325005>

Multiple:

Laser Microdissection Protocols for Tissue and Cell Isolation

Bio-protocol Selections | 2024

<https://en.bio-protocol.org/ebookinfo.aspx?id=23>

Mund A:

When imaging and mass-spec collide - Deep Visual Proteomics (DVP) brings us the best of both worlds

Interview, Proteomics Playbook 2025, Front Line Genomics, p. 68 ff

<https://frontlinegenomics.com/proteomics-playbook-2025/>

Mund A, Brunner AD, Mann M:

Unbiased spatial proteomics with single-cell resolution in tissues

Mol Cell. 2022 Jun 16;82(12):2335-2349. doi: 10.1016/j.molcel.2022.05.022.

<https://www.sciencedirect.com/science/article/pii/S1097276522004890>

Mund A, Coscia F, Hollandi R, Kovacs F, Kriston A, Brunner A-D, Bzorek M, Naimy S, Rahbeck Gjerdtum LM, Dyring-Andersen B, Bulkescher JM, Lukas C, Gnann C, Lundberg E, Horvath P, Mann M:

AI-driven Deep Visual Proteomics defines cell identity and heterogeneity

bioRxiv, 27 Jan 2021, doi: <https://doi.org/10.1101/2021.01.25.427969>

<https://www.biorxiv.org/content/10.1101/2021.01.25.427969v1>

Muñoz-Sanhueza LG, Lee Y, Tillmann M, Cohen JD, Hvorslef-Eide AK:

Auxin analysis using laser microdissected plant tissues sections

BMC Plant Biol. 2018 Jun 25;18(1):133. doi: 10.1186/s12870-018-1352-z.

<https://bmcpantbiol.biomedcentral.com/articles/10.1186/s12870-018-1352-z>

Munshaw S, Hwang HS, Torbenson M, Quinn J, Hansen KD, Astemborski J, Mehta SH, Ray SC, Thomas DL, Balagopal A:

Laser captured hepatocytes show association of butyrylcholinesterase gene loss and fibrosis progression in hepatitis C-infected drug users

Hepatology. 2012 Aug;56(2):544-54. doi: 10.1002/hep.25655.

<http://dx.doi.org/10.1002/hep.25655>

Murray GI:

Has the proteome of formalin-fixed wax-embedded tissue been unlocked?

Nephrol Dial Transplant. 2012 Aug 1. [Epub ahead of print]

<http://ndt.oxfordjournals.org/content/early/2012/07/31/ndt.gfs342.full.pdf+html>

Musat N, Foster R, Vagner T, Adam B, Kuypers MM:

Detecting metabolic activities in single cells, with emphasis on nanoSIMS

FEMS Microbiol Rev. 2012 Mar;36(2):486-511. doi: 10.1111/j.1574-6976.2011.00303.x.
<http://onlinelibrary.wiley.com/doi/10.1111/j.1574-6976.2011.00303.x/abstract>

Mustafa A, Cenayko C, Mitry RR, Quaglia A:

Laser microdissection microscopy: application to cell culture

Methods Mol Biol. 2012;806:385-92.

<http://www.springerlink.com/content/k3136j3p20g11184/#section=982768&page=1&locus=0>

Nagai-Okatani C, Nagai M, Sato T, Kuno A:

An Improved Method for Cell Type-Selective Glycomic Analysis of Tissue Sections Assisted by Fluorescence Laser Microdissection

Int J Mol Sci. 2019 Feb 6;20(3). pii: E700. doi: 10.3390/ijms20030700.

<http://www.mdpi.com/resolver?pii=ijms20030700>

Nagakura T, Morono Y, Ito M, Kallmeyer J:

Microbial catabolic and anabolic utilization of hydrocarbons in deep 2subseafloor sediments of Guaymas Basin

Earth ArXiv, 11 Oct 2023

<https://doi.org/10.31223/X57H61>

Nagata M, Nuckolls GH, Wang X, Shum L, Seki Y, Kawase T, Takahashi K, Nonaka K, Takahashi I, Noman AA, Suzuki K, Slavkin HC:

The primary site of the acrocephalic feature in Apert Syndrome is a dwarf cranial base with accelerated chondrocytic differentiation due to aberrant activation of the FGFR2 signaling

Bone. 2011 Apr 1;48(4):847-56.

<http://www.thebonejournal.com/article/S8756-3282%2810%2902045-4/abstract>

Nakashima Y, Egami Y, Kimura M, Wakimoto T, Abe I:

Metagenomic Analysis of the Sponge Discodermia Reveals the Production of the Cyanobacterial Natural Product Kasumigamide by 'Entotheonella'

PLoS One. 2016 Oct 12;11(10):e0164468. doi: 10.1371/journal.pone.0164468. eCollection 2016.

<http://dx.plos.org/10.1371/journal.pone.0164468>

Nimo J, Fritzsche S, Valdes DS, Trinh M, Pentimalli T, Schallenberg S, Klauschen F, Herse F, Florian S, Rajewski N, and Coscia F:

OpenDVP: An experimental and computational framework for community-empowered deep visual proteomics

bioRxiv preprint doi: <https://doi.org/10.1101/2025.07.13.662099>; July 16, 2025.

<https://doi.org/10.1101/2025.07.13.662099>

Ninagawa NT, Isobe E, Hirayama Y, Murakami R, Komatsu K, Nagai M, Kobayashi M, Kawabata Y, and Torihashi S:

Transplanted Mesenchymal Stem Cells Derived from Embryonic Stem Cells Promote Muscle Regeneration and Accelerate Functional Recovery of Injured Skeletal Muscle

BioResearch Open Access, Mary Ann Liebert, Inc.; DOI: 10.1089/biores.2013.0012

<http://online.liebertpub.com/doi/abs/10.1089/biores.2013.0012>

Nishimura R, Nishioka S, Fujisawa I, Shiku H, Shimada M, Sekiguchi S, Fujimori K, Ushiyama A, Matsue T, Ohuchi N, Satomi S, Goto M:

Tacrolimus Inhibits the Revascularization of Isolated Pancreatic Islets

PLoS ONE 8(4): e56799. doi:10.1371/journal.pone.0056799

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0056799>

Nordmann TM, Mund A, Mann M:

A new understanding of tissue biology from MS-based proteomics at single-cell resolution

Nat Methods 21, 2220–2222 (2024).

<https://doi.org/10.1038/s41592-024-02541-x>

Nordmann TM, Schweizer L, Metousis A, Thielert M, Rodriguez E, Rahbek-Gjerdrum LM, Stadler P-C, Bzorek M, Mund A, Rosenberger FA, Mann M:

A standardized and reproducible workflow for membrane glass slides in routine histology and spatial proteomics

bioRxiv, 21. Feb 2023, doi: <https://doi.org/10.1101/2023.02.20.529255>

<https://doi.org/10.1101/2023.02.20.529255>

Oikawa A, Saito K:

Metabolite analyses of single cells

Plant J. 2012 Apr;70(1):30-8. doi: 10.1111/j.1365-313X.2012.04967.x.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-313X.2012.04967.x/full>

Okano K, Saratani Y, Tamasawa A, Shoji Y, Toda R, Okano T:

A photoperiodic time measurement served by the biphasic expression of Cryptochrome1ab in the zebrafish eye

Sci Rep. 2020 Mar 19;10(1):5056. doi: 10.1038/s41598-020-61877-4.

<https://www.nature.com/articles/s41598-020-61877-4.pdf>

Oliveira C, Longuespée R:

MALDImlD: Spatialomics R package and Shiny app for more specific identification of MALDI imaging proteolytic peaks using LC-MS/MS-based proteomic biomarker discovery data

Proteomics – Proteomics and Systems Biology, 3rd April 2023, DOI:10.1002/pmic.202300005

<https://doi.org/10.1002/pmic.202300005>

Omri S, Behar-Cohen F, Rothschild PR, Gélizé E, Jonet L, Jeanny JC, Omri B, Crisanti P:

PKC ζ Mediates Breakdown of Outer Blood-Retinal Barriers in Diabetic Retinopathy

PLoS One. 2013 Nov 29;8(11):e81600. doi: 10.1371/journal.pone.0081600.

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0081600>

Omri S, Omri B, Savoldelli M, Jonet L, Thillaye-Goldenberg B, Thuret G, Gain P, Jeanny JC, Crisanti P, Behar-Cohen F:

The outer limiting membrane (OLM) revisited: clinical implications

Clin Ophthalmol. 2010 Apr 26;4:183-95

http://www.dovepress.com/articles.php?article_id=4164

Ong W, Marinval N, Lin J, Nai MH, Chong YS, Pinese C, Sajikumar S, Lim CT, Ffrench-Constant C, Bechler ME, Chew SY

Biomimicking Fiber Platform with Tunable Stiffness to Study Mechanotransduction Reveals Stiffness Enhances Oligodendrocyte Differentiation but Impedes Myelination through YAP-Dependent Regulation

Small. 2020 Aug 12:e2003656. doi: 10.1002/smll.202003656.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/smll.202003656>

Oskolas H, Nogueira FCN, Domont GB, Yu KH, Semenov YR, Sorger P, Steinfelder E, Corps L, Schulz L, Wieslander E, Fenyő D, Kárpáti S, Holló P, Kemény LV, Döme B, Megyesfalvi Z, Pawłowski K, Nishimura T, Kwon H, Encarnación-Guevara S, Szasz AM, Veréb Z, Gyulai R, Németh IB, Appelqvist R, Rezeli M, Baldetorp B, Horvatovich P, Malmström J, Pla I, Sanchez A, Knudsen B, Kiss A, Malm J, Marko-Varga G, Gil J:

Comprehensive biobanking strategy with clinical impact at the European Cancer Moonshot Lund Center

J Proteomics. 2025 Apr 15:105442. doi: 10.1016/j.jprot.2025.105442.

<https://doi.org/10.1016/j.jprot.2025.105442>

Ossi, J., Lee, A., and Zhou, J.:

Leica AS LMD - The Latest Advance in Laser Microdissection

Scientific and Technical Information 8: 114-122 (2005)

[http://www.leica-](http://www.leica-microsystems.com/fileadmin/downloads/Leica%20AS%20LMD/Publications/Leica_STI_CDR8_ossi_et_al_en.pdf)

[microsystems.com/fileadmin/downloads/Leica%20AS%20LMD/Publications/Leica_STI_CDR8_ossi_et_al_en.pdf](http://www.leica-microsystems.com/fileadmin/downloads/Leica%20AS%20LMD/Publications/Leica_STI_CDR8_ossi_et_al_en.pdf)

Oswald K, Graf JS, Littmann S, Tienken D, Brand A, Wehrli B, Albertsen M, Daims H, Wagner M, Kuypers MM, Schubert CJ, Milucka J:

Crenothrix are major methane consumers in stratified lakes

ISME J. 2017 Jun 6. doi: 10.1038/ismej.2017.77.

<https://www.nature.com/ismej/journal/vaop/ncurrent/pdf/ismej201777a.pdf>

Padalino G, Celatka CA, Rienhoff Jr. HY, Kalin JH, Cole PA, Lassalle D, Forde-Thomas J, Chalmers IW, Brancale A, Grunau C, Hoffmann KF:

Chemical modulation of Schistosoma mansoni lysine specific demethylase 1 (SmLSD1) induces wide-scale biological and epigenomic changes

Wellcome Open Research 2023, 8:146

<https://doi.org/10.12688/wellcomeopenres.18826.1>

Paping A, Basler C, Rancourt RC, Ehrlich L, Melchior K, Henrich W, Braun T:

Optimized RNA isolation of FFPE uterine scar tissues for RNA expression analyses delineated by laser microdissection

Biotechniques. 2022 May 12. doi: 10.2144/btn-2022-0026.

<https://www.future-science.com/doi/10.2144/btn-2022-0026>

Park H, Patel A, Hunt KA, Henson MA, Carlson RP:

Artificial consortium demonstrates emergent properties of enhanced cellulosic-sugar degradation and biofuel synthesis

NPJ Biofilms Microbiomes. 2020 Dec 2;6(1):59. doi: 10.1038/s41522-020-00170-8.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7710750/>

Pasulka AL, Thamatrakoln K, Kopf SH, Guan Y, Poulos B, Moradian A, Sweredoski MJ, Hess S, Sullivan MB, Bidle KD, Orphan VJ:

Interrogating marine virus-host interactions and elemental transfer with BONCAT and nanoSIMS-based methods

Environ Microbiol. 2017 Nov 21. doi: 10.1111/1462-2920.13996.

<http://onlinelibrary.wiley.com/doi/10.1111/1462-2920.13996/full>

Patil M, Suryanarayana P, Kumar Putcha U, Srinivas, and Reddy GB:

Evaluation of neonatal streptozotocin-induced diabetic rat model for the development of cataract

Oxidative Medicine and Cellular Longevity, 2. Aug 2014

<http://www.hindawi.com/journals/omcl/aip/463264/>

Pensold D, Zimmer-Bensch G:

Methods for Single-Cell Isolation and Preparation

In: Yu B., Zhang J., Zeng Y., Li L., Wang X. (eds) Single-cell Sequencing and Methylation. Advances in Experimental Medicine and Biology, vol 1255.

https://link.springer.com/chapter/10.1007/978-981-15-4494-1_2

Pereira FC, Ge X, Kristensen JM, Kirkegaard RH, Maritsch K, Szamosvári D, Imminger S, Seki D, Shazzad JB, Zhu Y, Decorte M, Hausmann B, Berry D, Wasmund K, Schintlmeister A, Böttcher T, Cheng JX, Wagner M:

The Parkinson's disease drug entacapone disrupts gut microbiome homeostasis via iron sequestration

Nat Microbiol. 2024 Nov 21. doi: 10.1038/s41564-024-01853-0.

<https://doi.org/10.1038/s41564-024-01853-0>

Pessina S, Lenzi L, Perazolli M, Campa M, Dalla Costa L, Urso S, Valè G, Salamini F, Velasco R, Malnoy M:

Knockdown of MLO genes reduces susceptibility to powdery mildew in grapevine

Horticulture Research (2016) 3, 16016; doi:10.1038/hortres.2016.16

<http://www.nature.com/articles/hortres201616>

Pfeiffer MV:

The role of CRAF in adult hippocampal neurogenesis

Thesis, 2013 (Article in German language)

[https://opus.bibliothek.uni-wuerzburg.de/opus4-](https://opus.bibliothek.uni-wuerzburg.de/opus4-wuerzburg/frontdoor/deliver/index/docId/9822/file/Dissertation_Verena_Pfeiffer_mit_Erratum_28052014.pdf)

[wuerzburg/frontdoor/deliver/index/docId/9822/file/Dissertation_Verena_Pfeiffer_mit_Erratum_28052014.pdf](https://opus.bibliothek.uni-wuerzburg.de/opus4-wuerzburg/frontdoor/deliver/index/docId/9822/file/Dissertation_Verena_Pfeiffer_mit_Erratum_28052014.pdf)

Phan JL, Tucker MR, Khor SF, Shirley N, Lahnstein J, Beahan C, Bacic A, Burton RA:

Differences in glycosyltransferase family 61 accompany variation in seed coat mucilage composition in *Plantago* spp

J Exp Bot. 2016 Dec;67(22):6481-6495.

<http://jxb.oxfordjournals.org/content/67/22/6481.full.pdf+html>

Pihlajoki M, Gretzinger E, Cochran R, Kyrönlähti A, Schrade A, Hiller T, Sullivan L, Shoykhet M, Schoeller EL, Brooks MD, Heikinheimo M, Wilson DB:

Conditional mutagenesis of Gata6 in SF1-positive cells causes gonadal-like differentiation in the adrenal cortex of mice

Endocrinology. 2013 May;154(5):1754-67. doi: 10.1210/en.2012-1892.

<http://endo.endojournals.org/cgi/pmidlookup?view=long&pmid=23471215>

Podgorny OV, Lazarev VN:

Laser microdissection: A promising tool for exploring microorganisms and their interactions with hosts

J Microbiol Methods. 2016 Jan 13. pii: S0167-7012(16)30001-X. doi: 10.1016/j.mimet.2016.01.001.

[http://linkinghub.elsevier.com/retrieve/pii/S0167-7012\(16\)30001-X](http://linkinghub.elsevier.com/retrieve/pii/S0167-7012(16)30001-X)

Polerecky L, Adam B, Milucka J, Musat N, Vagner T, Kuypers MM:

Look@NanoSIMS - a tool for the analysis of nanoSIMS data in environmental microbiology

Environ Microbiol. 2012 Apr;14(4):1009-23. doi: 10.1111/j.1462-2920.2011.02681.x.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1462-2920.2011.02681.x/abstract>

Post RJ, Crainey JL, Bivand A, Renz A:

Laser-assisted microdissection for the study of the ecology of parasites in their hosts

Mol Ecol Resour. 2009 Mar;9(2):480-6. doi: 10.1111/j.1755-0998.2008.02437.x.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1755-0998.2008.02437.x/abstract>

Qu F, Wang FF, Yin R, Ding GL, El-Prince M, Gao Q, Shi BW, Pan HH, Huang YT, Jin M, Leung PC, Sheng JZ, Huang HF:

A molecular mechanism underlying ovarian dysfunction of polycystic ovary syndrome: hyperandrogenism induces epigenetic alterations in the granulosa cells

J Mol Med (Berl). 2012 Feb 21. [Epub ahead of print]

<http://dx.doi.org/10.1007/s00109-012-0881-4>

Qu S, Gong M, Deng Y, Xiang Y, Ye D:

Research progress and application of single-cell sequencing in head and neck malignant tumors

Cancer Gene Ther. 2023 Nov 15. doi: 10.1038/s41417-023-00691-2.

<https://www.nature.com/articles/s41417-023-00691-2>

Quan T, Qin Z, Xia W, Shao Y, Voorhees JJ, Fisher GJ:

Matrix-Degrading Metalloproteinases in Photoaging

J Investig Dermatol Symp Proc. 2009 Aug;14(1):20-4.

<http://www.ncbi.nlm.nih.gov/pmc/articles/pmid/19675548/?tool=pubmed>

Quarta A, Gallo N, Vergara D, Salvatore L, Nobile C, Ragusa A, Gaballo A:

Investigation on the Composition of Agarose-Collagen I Blended Hydrogels as Matrices for the Growth of Spheroids from Breast Cancer Cell Lines

Pharmaceutics. 2021 Jun 26;13(7):963. doi: 10.3390/pharmaceutics13070963.

<https://www.mdpi.com/1999-4923/13/7/963/htm>

Rabien A, Fritzsche FR, Jung M, Tölle A, Diamandis EP, Miller K, Jung K, Kristiansen G, Stephan C:

KLK15 is a prognostic marker for progression-free survival in patients with radical prostatectomy

Int J Cancer 127(10):2386-94 (2010)

<http://onlinelibrary.wiley.com/doi/10.1002/ijc.25435/full>

Rabien A, Kristiansen G:

Tissue Microdissection

Methods Mol Biol. 2016;1381:39-52. doi: 10.1007/978-1-4939-3204-7_2.

http://link.springer.com/protocol/10.1007%2F978-1-4939-3204-7_2

Radic Shechter K, Kafkia E, Zirngibl K, Gawrzak S, Alladin A, Machado D, Lüchtenborg C, Sévin DC, Brügger B, Patil KR, Jechlinger M:

Metabolic memory underlying minimal residual disease in breast cancer

Mol Syst Biol. 2021 Oct;17(10):e10141. doi: 10.15252/msb.202010141.

<https://www.embopress.org/doi/epdf/10.15252/msb.202010141>

Ralls MW, Demehri FR, Feng Y, Raskind S, Ruan C, Schintlmeister A, Loy A, Hanson B, Berry D, Burant CF, Teitelbaum DH:

Bacterial nutrient foraging in a mouse model of enteral nutrient deprivation: Insight into the gut origin of sepsis

Am J Physiol Gastrointest Liver Physiol. 2016 Sep 1;ajpgi.00088.2016. doi: 10.1152/ajpgi.00088.2016.

<http://ajpgi.physiology.org/cgi/pmidlookup?view=reprint&pmid=27586649>

Ramey ME, Kaya F, Bauman AA, Massoudi LM, Sarathy JP, Zimmerman MD, Scott DWL, Job AM, Miller-Dawson JA, Podell BK, Lyons MA, Dartois V, Lenaerts AJ, Robertson GT :

Drug distribution and efficacy of the DprE1 inhibitor BTZ-043 in the C3HeB/FeJ mouse tuberculosis model

Antimicrob Agents Chemother. 2023 Oct 4:e0059723. doi: 10.1128/aac.00597-23.

<https://doi.org/10.1128/aac.00597-23>

Richards Z, Batai K, Farhat R, Shah E, Makowski A, Gann PH, Kittles R, Nonn L:

Prostatic compensation of the vitamin D axis in African American men

JCI Insight. 2017 Jan 26;2(2):e91054. doi: 10.1172/jci.insight.91054.

<https://doi.org/10.1172/jci.insight.91054>

Rogge A, Flintrop CM, Iversen MH, Salter I, Fong AA, Vogts A, Waite AM:

Hard and soft plastic resin embedding for single-cell element uptake investigations of marine-snow-associated microorganisms using nano-scale secondary ion mass spectrometry

Limnol. Oceanogr.: Methods 00, 2018, 00–00

<https://aslopubs.onlinelibrary.wiley.com/doi/pdf/10.1002/lom3.10261>

Rogge A, Vogts A, Voss M, Jürgens K, Jost G, Labrenz M:

Success of chemolithoautotrophic SUP05 and Sulfurimonas GD17 cells in pelagic Baltic Sea redox zones is facilitated by their lifestyles as K- and r-strategists

Environ Microbiol. 2017 May 2. doi: 10.1111/1462-2920.13783.

<http://dx.doi.org/10.1111/1462-2920.13783>

Romero-Munar A, Muñoz-Carrasco M, Balestrini R, De Rose S, Giovannini L, Aroca R, Ruiz-Lozano JM:

Differential root and cell regulation of maize aquaporins by the arbuscular mycorrhizal symbiosis highlights its role in plant water relations

Plant Cell Environ. 2024 Jul 4. doi: 10.1111/pce.15029.

<https://doi.org/10.1111/pce.15029>

Rosenberger FA, Thielert M, Mann M:

Making single-cell proteomics biologically relevant

Nat Methods. 2023 Mar;20(3):320-323. doi: 10.1038/s41592-023-01771-9.

<https://www.nature.com/articles/s41592-023-01771-9>

Rokade S, Kishore U, Madan T:

Surfactant protein D regulates murine testicular immune milieu and sperm functions

Am J Reprod Immunol. 2017 Jan 5. doi: 10.1111/aji.12629.

<http://dx.doi.org/10.1111/aji.12629>

Rowley AH, Baker SC, Shulman ST, Rand KH, Tretiakova MS, Perlman EJ, Garcia FL, Tajuddin NF, Fox LM, Huang JH, Ralphe JC, Takahashi K, Flatow J, Lin S, Kalelkar MB, Soriano B, Orenstein JM:

Ultrastructural, immunofluorescence, and RNA evidence support the hypothesis of a "new" virus associated with Kawasaki disease

J Infect Dis. 2011 Apr 1;203(7):1021-30

<http://jid.oxfordjournals.org/content/203/7/1021.short>

Russi S, Lauletta G, Serviddio G, Sansonno S, Conteduca V, Sansonno L, De Re V, Sansonno D:

TCR Repertoire in HCV-related mixed cryoglobulinemia: T Cell Receptor Variable β Gene

Repertoire in Liver and Peripheral Blood Lymphocytes of Chronically HCV-Infected Patients With and Without Mixed Cryoglobulinemia

Clin Exp Immunol (2012) 1365-2249

<http://onlinelibrary.wiley.com/doi/10.1111/cei.12035/abstract>

Ryu H, Kim JH, Lee S, Han JK:

Therapeutic response monitoring after targeted therapy in an orthotopic rat model of hepatocellular carcinoma using contrast-enhanced ultrasound: Focusing on inter-scanner, and inter-operator reproducibility

PLoS One. 2020 Dec 23;15(12):e0244304. doi: 10.1371/journal.pone.0244304. eCollection 2020.

<https://doi.org/10.1371/journal.pone.0244304>

Saigusa D:

Metabolic profiling by integrated analysis with LC-MS and MSI

Medical Mass Spectrometry Vol. 7 No. 1, March 29, 2023. DOI: 10.24508/mms.2023.06.009

<https://doi.org/10.24508/mms.2023.06.009>

Saint-Geniez M, Jiang A, Abend S, Liu L, Sweigard H, Connor KM, Arany Z:

PGC-1 α Regulates Normal and Pathological Angiogenesis in the Retina

The American Journal of Pathology - 09 November 2012 (10.1016/j.ajpath.2012.09.003)

<http://www.journals.elsevierhealth.com/periodicals/ajpa/article/S0002-9440%2812%2900714-6/fulltext>

Sakimoto T, Ishimori A:

Anti-inflammatory effect of topical administration of tofacitinib on corneal inflammation

Experimental Eye Research 145 (2016) 110e117
<http://www.sciencedirect.com/science/article/pii/S0014483515300907>

Sanjeev A, Trivedi V, Sterkin A, Smadja D, and Zalevsky Z:
Enhanced Ablation of Cornea Doped with a Fluorescein Dye Using a Visible Wavelength Laser
ACS Omega 2023, XXXX, XXX, XXX-XXX; April 10, 2023
<https://doi.org/10.1021/acsomega.2c05541>

Santoro S, Lopez ID, Lombardi R, Zauli A, Osiceanu AM, Sorosina M, Clarelli F, Peroni S, Cazzato D, Marchi M, Quattrini A, Comi G, Calogero RA, Lauria G, Martinelli Boneschi F:
Laser capture microdissection for transcriptomic profiles in human skin biopsies
BMC Mol Biol. 2018 Jun 19;19(1):7. doi: 10.1186/s12867-018-0108-5.
<https://bmcmolbiol.biomedcentral.com/track/pdf/10.1186/s12867-018-0108-5>

Santos JSS:
Relação entre as versicanases ADAMTS e microambiente inflamatório no desenvolvimento de metástases: estudo em modelo de carcinoma mamário triplo negativo 4T1
Thesis, 2023, Spanish language
https://www.arca.fiocruz.br/bitstream/handle/iciict/62131/julia_santos_fioba_mest_2023.pdf

Schellong K, Melchior K, Ziska T, Ott R, Henrich W, Rancourt RC, Plagemann A:
Hypothalamic insulin receptor expression and DNA promoter methylation are sex-specifically altered in adult offspring of high-fat diet (HFD)-overfed mother rats
The Journal of Nutritional Biochemistry, 10 Feb 2019, <https://doi.org/10.1016/j.jnutbio.2019.01.014>
<https://www.sciencedirect.com/science/article/pii/S0955286318311392>

Schemmert S, Schartmann E, Zafiu C, Kass B, Hartwig S, Lehr S, Bannach O, Langen KJ, Shah NJ, Kutzsche J, Willuweit A, Willbold D:
A β Oligomer Elimination Restores Cognition in Transgenic Alzheimer's Mice with Full-blown Pathology
Mol Neurobiol. 2018 Jul 12. doi: 10.1007/s12035-018-1209-3.
<https://link.springer.com/content/pdf/10.1007%2Fs12035-018-1209-3.pdf>

Schmacke NA, Mädler SC, Wallmann G, Metousis A, Bérouti M, Harz H, Leonhardt H, Mann M, Horning V:
SPARCS, a platform for genome-scale CRISPR screening for spatial cellular phenotypes
bioRxiv, 1 June 2023, DOI: 10.1101/2023.06.01.542416
<https://doi.org/10.1101/2023.06.01.542416>

Schmidt H, Gorka S, Seki D, Schintlmeister A, and Woebken D:
Gold-FISH enables targeted NanoSIMS analysis of plant-associated bacteria
New Phytol. 2023 Jun 28. doi: 10.1111/nph.19112.
<https://doi.org/10.1111/nph.19112>

Schneider, B. and Hölscher, D.:
Laser microdissection and cryogenic nuclear magnetic resonance spectroscopy: an alliance for cell type-specific metabolite profiling
Planta 225: 763-770 (2007)
<http://www.springerlink.com/content/m5787044k63758q0/>

Schoffelen NJ, Mohr W, Ferdelman TG, Littmann S, Duerschlag J, Zubkov MV, Ploug H, Kuypers MMM:
Single-cell imaging of phosphorus uptake shows that key harmful algae rely on different phosphorus sources for growth
Sci Rep. 2018 Nov 21;8(1):17182. doi: 10.1038/s41598-018-35310-w.
<https://www.nature.com/articles/s41598-018-35310-w>

Schollaen K, Heinrich I, Helle G:

A novel approach for the preparation of high-resolution stable isotope records from tropical tree-rings

Dendrosymposium 2012/2013: In proceeding of: 11th TRACE conference, At Potsdam/Eberswalde, Germany, Volume: 11

http://www.researchgate.net/publication/255977905_A_novel_approach_for_the_preparation_of_high-resolution_stable_isotope_records_from_tropical_tree_rings

Schollaen K, Heinrich I, Helle G:

UV-laser-based microscopic dissection of tree rings – a novel sampling tool for $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ studies

New Phytol. 2013 Nov 13. doi: 10.1111/nph.12587.

<http://onlinelibrary.wiley.com/doi/10.1111/nph.12587/abstract>

Schorn S, Graf JS, Littmann S, Hach PF, Lavik G, Speth DR, Schubert CJ, Kuypers MMM, Milucka J:
Persistent activity of aerobic methane-oxidizing bacteria in anoxic lake waters due to metabolic versatility.

Nat Commun. 2024 Jun 21;15(1):5293. doi: 10.1038/s41467-024-49602-5.

<https://www.nature.com/articles/s41467-024-49602-5>

Schreiber, V., Ricoul, M., Ame, J.C., Dantzer, F., Meder, V., Spenlehauer, C., Stiegler, P., Niedergang, C., Sabitier, L., Favoudon, V., Ménéssier-de Murcia, J., and de Murcia, G.:

PARP-2: Structure-Function Relationship

Poly (ADP-Ribosyl)ation Chapter 2: Ed. A Bürkle, Eurekah (2004)

<http://www.landesbioscience.com/curie/chapter/1842/>

Segawa T, Yonezawa T, Edwards A, Akiyoshi A, Tanaka S, Uetake J, Irvine-Fynn T, Fukui K, Li Z, Takeuchi N:

Biogeography of cryoconite forming cyanobacteria on polar and Asian glaciers

Journal of Biogeography, 2017 Sep 9, DOI: 10.1111/jbi.13089

<http://onlinelibrary.wiley.com/doi/10.1111/jbi.13089/full>

Seldin DC and Santhorawala V:

Amlyoidomics comes of age

Blood February 23, 2012 vol. 119 no. 8 1795-1796; doi: 10.1182/blood-2011-10-381178

<http://bloodjournal.hematologylibrary.org/content/119/8/1795.full.pdf+html>

Sethi S, Gamez JD, Vrana JA, Theis JD, Bergen HR 3rd, Zipfel PF, Dogan A, Smith RJ:

Glomeruli of Dense Deposit Disease contain components of the alternative and terminal complement pathway

Kidney Int 75(9): 952-60 (2009)

<http://www.nature.com/ki/journal/v75/n9/abs/ki2008657a.html>

Shah D, Ali M, Pasha Z, Jaboori AJ, Jassim SH, Jain S, Aakalu VK:

Histatin-1 Expression in Human Lacrima Epithelium

PLoS One. 2016 Jan 29;11(1):e0148018. doi: 10.1371/journal.pone.0148018. eCollection 2016.

<http://dx.plos.org/10.1371/journal.pone.0148018>

Shalaby A, Hajhosseiny R, Zen Y, Davenport M, Quaglia A:

Planimetry of the Porta Hepatis in Biliary Atresia

Histopathology. 2016 Jul 5. doi: 10.1111/his.13028.

<http://onlinelibrary.wiley.com/doi/10.1111/his.13028/abstract>

Shibuya N, Imai Y, Lee YS, Kochi T, Tachi M:

Acute Rejection of Knee Joint Articular Cartilage in a Rat Composite Tissue Allotransplantation Model

J Bone Joint Surg Am. 2014 Jun 18;96(12):1033-1039.
<http://jbsj.org/content/96/12/1033>

Siddon A, Lozovatsky L, Mohamed A, Hudnall SD:

Human herpesvirus 6 positive Reed-Sternberg cells in nodular sclerosis Hodgkin lymphoma

Br J Haematol. 2012 Jul 4. doi: 10.1111/j.1365-2141.2012.09206.x.
<http://dx.doi.org/10.1111/j.1365-2141.2012.09206.x>

Smith HJ, Foster RA, McKnight DM, Lisle JT, Littmann S Kuypers MMM, Foreman CM:

Microbial formation of labile organic carbon in Antarctic glacial environments

Nature Geoscience, 3 Apr 2017 | DOI: 10.1038/NGEO2925
<http://www.nature.com/ngeo/journal/v10/n5/full/ngeo2925.html>

Sohn AL, Bowman AP, Barnes MM, Kullman SW, Muddiman DC:

Oversampling for Enhanced Spatial Resolution of Zebrafish by Top-Hat IR-MALDESI-MSI

J Am Soc Mass Spectrom. 2024 Jul 10. doi: 10.1021/jasms.4c00219.
<https://doi.org/10.1021/jasms.4c00219>

Sohn AL, Witherspoon JG, Smart RC, Muddiman DC:

Three-dimensional mass spectrometry imaging (3D MSI): incorporating top-hat IR-MALDESI and automatic z-axis correction

Anal Bioanal Chem. 2025 Mar;417(8):1649-1661. doi: 10.1007/s00216-025-05755-w.
<https://doi.org/10.1007/s00216-025-05755-w>

Spagnuolo V, Figlioli F, De Nicola F, Capozzi F, Giordano S:

Tracking the route of phenanthrene uptake in mosses: An experimental trial

Sci Total Environ. 2016 Sep 29. pii: S0048-9697(16)32104-0. doi: 10.1016/j.scitotenv.2016.09.174.
<http://www.sciencedirect.com/science/article/pii/S0048969716321040>

Spiegelhalter C, Tosch V, Hentsch D, Koch M, Kessler P, Schwab Y, Laporte J:

From dynamic live cell imaging to 3D ultrastructure: novel integrated methods for high pressure freezing and correlative light-electron microscopy

PLoS One. 2010 Feb 3;5(2):e9014
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0009014>

Splinter J, Jakob B, Lang M, Yano K, Engelhardt J, Hell SW, Chen DJ, Durante M, Taucher-Scholz G:

Biological dose estimation of UVA laser microirradiation utilizing charged particle-induced protein foci

Mutagenesis. 2010 May;25(3):289-97. doi: 10.1093/mutage/geq005.
<https://academic.oup.com/mutage/article-lookup/doi/10.1093/mutage/geq005>

Srivastava S:

Designing and sample size calculation in presence of heterogeneity in biological studies involving high-throughput data

Thesis, Aug 2019
<https://ir.library.louisville.edu/cgi/viewcontent.cgi?article=4485&context=etd>

Srivastava S, Merchant M, Rai A, Rai SN:

Standardizing Proteomics Workflow for Liquid Chromatography-Mass Spectrometry: Technical and Statistical Considerations

J Proteomics Bioinform 12: 048-055. doi: 10.4172/0974-276X.1000496

<https://www.longdom.org/open-access/standardizing-proteomics-workflow-for-liquid-chromatography-mass-spectrometry-technical-and-statistical-considerations.pdf>

Staroverov SA, Kozlov SV, Brovko FA, Fursova KK, Shardin VV, Fomin AS, Gabalov KP, Soldatov DA, Zhnichkova EG, Dykman LA, Guliy OI:

Phage antibodies against heat shock proteins as tools for in vitro cancer diagnosis

Biosensors and Bioelectronics: X, 11 (2022) 100211

<https://doi.org/10.1016/j.biosx.2022.100211>

Stahl A, Joyal JS, Chen J, Sapieha P, Juan AM, Hatton CJ, Pei DT, Hurst CG, Seaward MR, Krah NM, Dennison RJ, Greene ER, Boscolo E, Panigrahy D, Smith LE:

SOCS3 is an endogenous inhibitor of pathologic angiogenesis

Blood. 2012 Jul 12.

<http://bloodjournal.hematologylibrary.org/cgi/pmidlookup?view=long&pmid=22791286>

Strack R.:

Spatial proteomics with subcellular resolution.

Nat Methods. 2022. PMID: 35804240

<https://www.nature.com/articles/s41592-022-01554-8>

Summer S, Rossmanith E, Pasztorek M, Fiedler C, Gröger M, Rauscher S, Weber V, Fischer MB:

Mesenchymal stem cells support human vascular endothelial cells to form vascular sprouts in human platelet lysate-based matrices

PLoS One. 2022 Dec 15;17(12):e0278895. doi: 10.1371/journal.pone.0278895. eCollection 2022

<https://doi.org/10.1371/journal.pone.0278895>

Sun D, Hu J, Zhu X:

Size optimization and self-healing evaluation of microcapsules in asphalt binder

Colloid and Polymer Science, 4 Aug 2015

<http://link.springer.com/article/10.1007/s00396-015-3721-6>

Suryamohan K, Krishnankutty SP, Guillory J, Jevit M, Schröder MS, Wu M, Kuriakose B, Mathew OK, Perumal RC, Koludarov I, Goldstein LD, Senger K, Dixon MD, Velayutham D, Vargas D, Chaudhuri S, Muraleedharan M, Goel R, Chen YJ, Ratan A, Liu P, Faherty B, de la Rosa G, Shibata H, Baca M, Sagolla M, Ziai J, Wright GA, Vucic D, Mohan S, Antony A, Stinson J, Kirkpatrick DS, Hannoush RN, Durinck S, Modrusan Z, Stawiski EW, Wiley K, Raudsepp T, Kini RM, Zachariah A, Seshagiri S:

The Indian cobra reference genome and transcriptome enables comprehensive identification of venom toxins.

Nat Genet. 2020 Jan 6. doi: 10.1038/s41588-019-0559-8.

<https://www.nature.com/articles/s41588-019-0559-8.pdf>

Sutherland KM, Edwards PC, Combs TJ, Van Winkle LS:

Sex differences in the development of airway epithelial tolerance to naphthalene

Am J Physiol Lung Cell Mol Physiol. 2012 Jan 1;302(1):L68-81. doi: 10.1152/ajplung.00089.2011.

<http://ajplung.physiology.org/cgi/pmidlookup?view=long&pmid=22003090>

Tablin F, den Hartigh LJ, Aung HH, Lame MW, Kleeman MJ, Ham W, Norris JW, Pombo M, Wilson DW:

Seasonal influences on CAPs exposures: differential responses in platelet activation, serum cytokines and xenobiotic gene expression

Inhal Toxicol. 2012 Jul;24(8):506-17. doi: 10.3109/08958378.2012.695815.

<http://informahealthcare.com/doi/abs/10.3109/08958378.2012.695815>

Tadeo FR, Agustí J, Merelo P, Talón M:

Laser Microdissection: A High-Precision Approach to Isolate Specific Cell Types from Any Plant Species for Downstream Molecular Analyses

Methods Mol Biol. 2023;2642:365-373. doi: 10.1007/978-1-0716-3044-0_19
https://link.springer.com/protocol/10.1007/978-1-0716-3044-0_19

Takahashi K, Beltran WA, Sudharsan R:

An optimized workflow for transcriptomic analysis from archival paraformaldehyde-fixed retinal tissues collected by laser capture microdissection

Exp Eye Res. 2024 Jul 3:109989. doi: 10.1016/j.exer.2024.109989.
<https://doi.org/10.1016/j.exer.2024.109989>

Taketa Y, Yoshida M, Inoue K, Takahashi M, Sakamoto Y, Watanabe G, Taya K, Yamate J, Nishikawa A:
Differential Stimulation Pathways of Progesterone Secretion from Newly Formed Corpora Lutea in Rats Treated with Ethylene Glycol Monomethyl Ether, Sulpiride, or Atrazine

Toxicol Sci. 2011 Apr 6. [Epub ahead of print]
<http://toxsci.oxfordjournals.org/content/early/2011/03/21/toxsci.kfr062.short>

Taketa Y, Yoshida M, Inoue K, Takahashi M, Sakamoto Y, Watanabe G, Taya K, Yamate J, Nishikawa A:
The newly formed corpora lutea of normal cycling rats exhibit drastic changes in steroidogenic and luteolytic gene expressions

Exp Toxicol Pathol. 2011 Feb 21. [Epub ahead of print]
<http://dx.doi.org/10.1016/j.etp.2011.01.015>

Takeuchi N, Takahiro S, Murakami T, Ishiwatari K, Watanabe A:

Morphological Control of Microbial Ecosystems and Carbon Cycling in Greenlandic Cryoconite Holes

Research Square
<https://doi.org/10.21203/rs.3.rs-7116261/v1>

Tan QY, Zhang JQ, Wang N, Li XL, Xiong HR, Teng YZ, He D, Wu JY, Zhao CJ, Yin HF, Zhang LK:
Uricase from *Bacillus fastidious* loaded in alkaline enzymosomes: Enhanced biochemical and pharmacological characteristics in hypouricemic rats

Eur J Pharm Biopharm. 2012 Jun 15. [Epub ahead of print]
<http://www.sciencedirect.com/science/article/pii/S0939641112001890>

Tan YC, Low TY, Lee PY, Lim LC:

Single-cell proteomics by mass spectrometry: Advances and implications in cancer research

Proteomics. 2024 May 10:e2300210. doi: 10.1002/pmic.202300210.
<https://doi.org/10.1002/pmic.202300210>

Tanko NM, Pignatelli M, DeFrances MC, Dhir R:

Navigating the challenges of establishing a new residency program in anatomic pathology based on the Accreditation Council for Graduate Medical Education International standards in the post-Soviet era Kazakhstan: strategies and successes

Academic Pathology 11/2 (2024) 100121
<https://doi.org/10.1016/j.acpath.2024.100121>

Tezuka T, Nosaka-Takahashi M, Yoshikawa T, Sato Y

RNA Extraction from Rice Immature Embryo Using Laser Capture Microdissection

Methods in Molecular Biology, vol 2869. (2025) in: Kawakatsu, T. (eds) Rice.
https://doi.org/10.1007/978-1-0716-4204-7_4

Tian C, Wang J, Ye X, Chen J, Zheng R, Yu H, Li J, Yin G, Liu L, Zhao N, Feng G, Zhu Z, Wang J, Fan G, Liu L:

Culture conditions of mouse ESCs impact the tumor appearance in vivo

Cell Rep. 2023 Jun 13;42(6):112645. doi: 10.1016/j.celrep.2023.112645.
<https://doi.org/10.1016/j.celrep.2023.112645>

Tong X, Chen L, He S, Liu S, Yao J, Shao Z, YeY, Yao S, Lin Z, Zuo J:

Forsythia suspensa (Thunb.) Vahl extract ameliorates ulcerative colitis via inhibiting NLRP3 inflammasome activation through the TLR4/MyD88/NF- κ B pathway

Immun Inflamm Dis. 2023;11:e1069.

<https://doi.org/10.1002/iid3.1069>

Tripodi L, Molinaro D, Farini A, Cadio G, Villa C, and Torrente Y:

Flavonoids and Omega3 Prevent Muscle and Cardiac Damage in Duchenne Muscular Dystrophy Animal Model

Cells 2021, 10(11), 2917; <https://doi.org/10.3390/cells10112917>

<https://www.mdpi.com/2073-4409/10/11/2917/htm>

Tsukita S, Yamada T, Uno K, Takahashi K, Kaneko K, Ishigaki Y, Imai J, Hasegawa Y, Sawada S, Ishihara H, Oka Y, Katagiri H:

Hepatic Glucokinase Modulates Obesity Predisposition by Regulating BAT Thermogenesis via Neural Signals

Cell Metab. 2012 Dec 5;16(6):825-32. doi: 10.1016/j.cmet.2012.11.006.

<http://www.sciencedirect.com/science/article/pii/S1550413112004597>

Tsutsui S, Suzuki Y, Shibuya K, Nakamura O:

Sacciform cells in the epidermis of fugu (Takifugu rubripes) produce and secrete kalliklectin, a novel lectin found in teleosts

Fish Shellfish Immunol. 2018 Jun 11. pii: S1050-4648(18)30358-9. doi: 10.1016/j.fsi.2018.06.017.

<https://www.sciencedirect.com/science/article/pii/S1050464818303589>

Tu A, Muddiman DC

Systematic evaluation of repeatability of IR-MALDESI-MS and normalization strategies for correcting the analytical variation and improving image quality

Anal Bioanal Chem. 2019 Sep;411(22):5729-5743. doi: 10.1007/s00216-019-01953-5.

<https://dx.doi.org/10.1007/s00216-019-01953-5>

Tymen SD, Rojas IG, Zhou X, Fang ZJ, Zhao Y, and Marucha PT:

Restraint stress alters neutrophil and macrophage phenotypes during wound healing

Brain, Behavior, and Immunity, Available online 2 August 2012

<http://dx.doi.org/10.1016/j.bbi.2012.07.013>

Uddin MJ, Daramola DE, Velasquez E, Dickens TJ, Yan J, Hammel E, Cesano F and Okoli OI:

A high efficiency 3D photovoltaic microwire with carbon nanotubes (CNT)-quantum dot (QD) hybrid interface

Phys. Status Solidi RRL. doi: 10.1002/pssr.201409392

<http://onlinelibrary.wiley.com/doi/10.1002/pssr.201409392/abstract>

Ullsten S, Lau J, Carlsson PO:

Vascular heterogeneity between native rat pancreatic islets is responsible for differences in survival and revascularisation post transplantation

Diabetologia. 2014 Sep 26.

<http://link.springer.com/article/10.1007/s00125-014-3385-7>

Umbricht J:

Molecularly-guided spatial proteomics captures single-cell identity and heterogeneity of the nervous system

Thesis, 2023

<https://rosdok.uni->

[rosstock.de/file/rosdok_disshab_0000003217/rosdok_derivate_0000223438/Umbricht_Dissertation_2025.pdf](https://rosdok.uni-rostock.de/file/rosdok_disshab_0000003217/rosdok_derivate_0000223438/Umbricht_Dissertation_2025.pdf)

Ure AE, Forslund O:

Lack of methylation in the HPV type 6 upstream regulatory region from aerodigestive tract papillomas

J Virol. 2012 Oct 3.

<http://jvi.asm.org/content/early/2012/09/26/JVI.01938-12.abstract>

Ushio-Yamana H, Minegishi S, Ishigami T, Araki N, Umemura M, Tamura K, Maeda E, Kakizoe Y, Kitamura K, Umemura S:

Renin Angiotensin Antagonists Normalize Aberrant Activation of Epithelial Sodium Channels in Sodium-Sensitive Hypertension

Nephron Exp Nephrol. 2013 Apr 9;122(3-4):95-102.

<http://www.karger.com/Article/FullText/348660>

van Dijk, M.C., Rombout, P.D., Dijkman, H.B., Ruiter, D.J., and Bernsen, M.R.:

Improved resolution by mounting of tissue sections for laser microdissection

Mol Pathol 56(4): 240-243 (2003)

<http://mp.bmj.com/content/56/4/240.long>

van Wijk XM, Vallen MJ, van de Westerlo EM, Oosterhof A, Hao W, Versteeg EM, Raben J, Wismans RG, Smetsters TF, Dijkman HB, Schalkwijk J, van Kuppevelt TH:

Extraction and structural analysis of glycosaminoglycans from formalin-fixed, paraffin-embedded tissues

Glycobiology. 2012 Aug 2. [Epub ahead of print]

<http://glycob.oxfordjournals.org/content/early/2012/08/02/glycob.cws119.abstract>

Vara H, Collazos-Castro JE

Enhanced spinal cord microstimulation using conducting polymer-coated carbon microfibers

Acta Biomater. 2019 Mar 21. pii: S1742-7061(19)30212-0. doi: 10.1016/j.actbio.2019.03.037.

<https://www.sciencedirect.com/science/article/pii/S1742706119302120>

Veit F, Pak O, Egemnazarov B, Roth M, Kosanovic D, Sommer N, Seimetz M, Ghofrani H, Seeger W, Grimminger F, Brandes RP, Schermuly R, Weissmann N:

Function of NADPH oxidase 1 in pulmonary arterial smooth muscle cells after monocrotaline-induced pulmonary vascular remodeling

Antioxid Redox Signal. 2013 May 27

<http://dx.doi.org/10.1089/ars.2012.4904>

Vergani A, Clissi B, Sanvito F, Doglioni C, Fiorina P, Pardi R:

Laser capture microdissection as a new tool to assess graft-infiltrating lymphocytes gene profile in islet transplantation

Cell Transplant 18(8):827-32 (2009)

<http://www.ingentaconnect.com/content/cog/ct/2009/00000018/00000008/art00001>

Vermeulen I:

Multi-omics in drug discovery and development

Doctoral Thesis, Maastricht University, 2024

<https://doi.org/10.26481/dis.20241203iv>

Veron D, Bertuccio CA, Marlier A, Reidy K, Garcia AM, Jimenez J, Velazquez H, Kashgarian M, Moeckel GW, Tufro A:

Podocyte vascular endothelial growth factor (Vegf (164)) overexpression causes severe nodular glomerulosclerosis in a mouse model of type 1 diabetes

Diabetologia 54(5):1227-41 (2011)

<http://www.springerlink.com/content/e68403uw45767488/>

Villarreal JC, Kow K, Pham B, Egatz-Gomez A, Sandrin TR, Coleman PD, Ros A:

Intracellular Amyloid- β Detection from Human Brain Sections Using a Microfluidic Immunoassay in Tandem with MALDI-MS

Anal Chem. 2023 Mar 9. doi: 10.1021/acs.analchem.2c03825.

<https://doi.org/10.1021/acs.analchem.2c03825>

Visci G, Tolomeo D, Lonoce A, Arshadi A, Bascetta L, Trotta G, van Riel M, Vermeesch JR, Carbone R, Storlazzi CT:

A novel method for the isolation of single cells mimicking circulating tumour cells adhered on Smart Bio Surface slides by Laser Capture Microdissection

Protocols.io, 26 Oct 2023

<https://www.protocols.io/view/a-novel-method-for-the-isolation-of-single-cells-m-81wgbx5kolpk/v1>

Voelkel T, Karnik S:

The future of small and large molecule bioanalytics — today

White Paper, 2023

https://aliribio.com/wp-content/uploads/2023/05/ALR_small_vs_large_molecule_WP-1.pdf

von Eggeling F, Hoffmann F:

Microdissection – an essential prerequisite for spatial cancer omics

Proteomics. 2020 Jun 23;e2000077. doi: 10.1002/pmic.202000077.

<https://doi.org/10.1002/pmic.202000077>

Vukelic S, Stojadinovic O, Pastar I, Rabach M, Krzyzanowska A, Lebrun E, Davis SC, Resnik S, Brem H, Tomic-Canic M:

Cortisol synthesis in epidermis is induced by IL-1 and tissue injury

J Biol Chem. 2011 Mar 25;286(12):10265-75

<http://www.jbc.org/content/286/12/10265.short>

Wahlgren CM, Zheng W, Shaalan W, Tang J, Bassiouny HS:

Human carotid plaque calcification and vulnerability. Relationship between degree of plaque calcification, fibrous cap inflammatory gene expression and symptomatology

Cerebrovasc Dis 27(2):193-200 (2009)

<http://content.karger.com/produktedb/produkte.asp?doi=000189204&typ=pdf>

Wahlin KJ, Hackler L Jr, Adler R, Zack DJ:

Alternative splicing of neuroligin and its protein distribution in the outer plexiform layer of the chicken retina

J Comp Neurol. 2010 Dec 15;518(24):4938-62

<http://dx.doi.org/10.1002/cne.22499>

Wakim LM, Woodward-Davis A, Bevan MJ:

Memory T cells persisting within the brain after local infection show functional adaptations to their tissue of residence

Proc Natl Acad Sci U S A. 2010 Oct 19;107(42):17872-9

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2964240/>

Wakimoto T, Egami Y, Nakashima Y, Wakimoto Y, Mori T, Awakawa T, Ito T, Kenmoku H, Asakawa Y, Piel J, Abe I:

Calyculin biogenesis from a pyrophosphate protoxin produced by a sponge symbiont

Nat Chem Biol. 2014 Jun 29. doi: 10.1038/nchembio.1573

<http://dx.doi.org/10.1038/nchembio.1573>

Waldschmitt N, Berger E, Rath E, Sartor RB, Weigmann B, Heikenwalder M, Gerhard M, Janssen KP, Haller D:

C/EBP homologous protein inhibits tissue repair in response to gut injury and is inversely regulated with chronic inflammation

Mucosal Immunol. 2014 May 21. doi: 10.1038/mi.2014.34.

<http://www.nature.com/mi/journal/vaop/ncurrent/full/mi201434a.html>

Walsh HL, Sperry AJ, Blazer VS:

The effects of tissue fixation on sequencing and transcript abundance of nucleic acids from microdissected liver samples of smallmouth bass (*Micropterus dolomieu*)

PLoS One. 2020 Aug 10;15(8):e0236104. doi: 10.1371/journal.pone.0236104.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0236104>

Walton SD, Dasinger JH, Burns EC, Cherian-Shaw M, Abais-Battad JM, Mattson DL:

Functional NADPH oxidase 2 (NOX2) in T cells amplifies salt-sensitive hypertension and associated renal damage

Am J Physiol Renal Physiol. 2023 Jun 15. doi: 10.1152/ajprenal.00014.2023.

<https://doi.org/10.1152/ajprenal.00014.2023>

Wang J, Kano K, Saigusa D, Aoki J:

Measurement of the Spatial Distribution of S1P in Small Quantities of Tissues: Development and Application of a Highly Sensitive LC-MS/MS Method Combined with Laser Microdissection

Mass Spectrom (Tokyo). 2019;8(1):A0072. doi: 10.5702/massspectrometry.A0072.

https://www.jstage.jst.go.jp/article/massspectrometry/8/1/8_A0072/_pdf

Wang L, Shao YY, Ballock RT:

Carboxypeptidase Z (CPZ) links thyroid hormone and Wnt signaling pathways in growth plate chondrocytes

J Bone Miner Res. 2009 Feb;24(2):265-73

<http://onlinelibrary.wiley.com/doi/10.1359/jbmr.081014/full>

Wang MF, Ouyang Y, Segura T, Muddiman DC:

Optimizing neurotransmitter pathway detection by IR-MALDESI-MSI in mouse brain

Anal Bioanal Chem. 2024 Jun 1. doi: 10.1007/s00216-024-05354-1.

<https://doi.org/10.1007/s00216-024-05354-1>

Wang X, Zhang Q, Ren J, Jiang Z, Wang C, Zhuang W and Zhai T:

The preparation of sex-chromosome-specific painting probes and construction of sex chromosome DNA library in half-smooth tongue sole (*Cynoglossus semilaevis*)

Aquaculture 297(1-4): 78-84 (2009)

<http://dx.doi.org/10.1016/j.aquaculture.2009.09.020>

Wang Y, Pascal LE, Zhong M, Ai J, Wang D, Jing Y, Pilch J, Song Q, Rigatti LH, Graham LE, Nelson JB, Parwani AV, Wang Z :

Combined loss of EAF2 and p53 induces prostate carcinogenesis in male mice

Endocrinology. 2017 Sep 27. doi: 10.1210/en.2017-00409.

<https://academic.oup.com/endo/article-lookup/doi/10.1210/en.2017-00409>

Wang YE, Zeng WL, Cao ST, Zou JP, Liu CT, Shi JM, Li J, Qiu F, Wang Y:

Development of a sample preparation method for micro-proteomics analysis of the formaldehyde-fixed paraffin-embedded liver tissue samples

Talanta. 2023 Aug 23;266(Pt 2):125106. doi: 10.1016/j.talanta.2023.125106

<https://doi.org/10.1016/j.talanta.2023.125106>

Wang Z, Cui J, Li D, Ran S, Huang J, Chen G:

Morin exhibits a neuroprotective effect in MPTP-induced Parkinson's disease model via TFEB/AMPK-mediated mitophagy

Phytomedicine. 2023 May 13;116:154866. doi: 10.1016/j.phymed.2023.154866.
<https://doi.org/10.1016/j.phymed.2023.154866>

Whitehill JG, Henderson H, Schuetz M, Skyba O, Yuen MM, King J, Samuels AL, Mansfield SD, Bohlmann J:

Histology and cell wall biochemistry of stone cells in the physical defense of conifers against insects

Plant Cell Environ. 2015 Oct 17. doi: 10.1111/pce.12654.
<http://dx.doi.org/10.1111/pce.12654>

Wiggs JL, Yaspan BL, Hauser MA, Kang JH, Allingham RR, et al.

Common Variants at 9p21 and 8q22 Are Associated with Increased Susceptibility to Optic Nerve Degeneration in Glaucoma

PLoS Genet 8(4): e1002654. doi:10.1371/journal.pgen.1002654
<http://www.plosgenetics.org/article/info%3Adoi%2F10.1371%2Fjournal.pgen.1002654>

Wijesundera KK, Izawa T, Tennakoon AH, Golbar HM, Tanaka M, Kuwamura M, Yamate J:

M1-/M2-macrophages contribute to the development of GST-P-positive preneoplastic lesions in chemically-induced rat cirrhosis

Exp Toxicol Pathol. 2015 Jul 20. pii: S0940-2993(15)30002-6. doi: 10.1016/j.etp.2015.05.002.
[http://linkinghub.elsevier.com/retrieve/pii/S0940-2993\(15\)30002-6](http://linkinghub.elsevier.com/retrieve/pii/S0940-2993(15)30002-6)

Winkel M, Pjevac P, Kleiner M, Littmann S, Meyerdierks A, Amann R, Mußmann M:

Identification and activity of acetate-assimilating bacteria in diffuse fluids venting from two deep-sea hydrothermal systems

FEMS Microbiol Ecol. 2014 Sep 20. doi: 10.1111/1574-6941.12429.
<http://dx.doi.org/10.1111/1574-6941.12429>

Wu C-Y:

The effect of inducible nitric oxide synthase-ablation in pulmonary artery smooth muscle cells on cigarette smoke-induced pulmonary hypertension and emphysema development

thesis, 2023

<https://ilupub.ub.uni-giessen.de/bitstream/handle/ilupub/18430/WuCheng-Yu-2023-08-09.pdf>

Xi Y, Zhang S:

Protocol for constructing whole-genome libraries from mini-biopsies by using laser capture microdissection

STAR Protoc. 2024 Oct 15;5(4):103396. doi: 10.1016/j.xpro.2024.103396.
<https://doi.org/10.1016/j.xpro.2024.103396>

Xiong H, Zhou Y, Zhou Q, He D, Wan S, Tan Q, Zhang M, Deng X, Zhang J:

Nanosomal Microassemblies for Highly Efficient and Safe Delivery of Therapeutic Enzymes

ACS Appl Mater Interfaces. 2015 Sep 1.
<http://dx.doi.org/10.1021/acsami.5b05758>

Xue H, Jaenisch J, Sasse J, McGarrigle ER, Choi EH, Louie K, Gutbrod K, Dörmann P, Northen TR, Wildermuth MC:

Powdery mildew induces chloroplast storage lipid formation at the expense of host thylakoids to promote spore production

The Plant Cell, koaf041, <https://doi.org/10.1093/plcell/koaf041>
<https://doi.org/10.1093/plcell/koaf041>

Yamada A, Nishida Y, Wake K, Nakamura A, Sakamaki Y, Kuwahara H, Uchihara T, Yokota T:

Serial ultrathin sections to identify ultrastructural localization of GLUT1 molecules in vesicles in brain endothelial cells-correlative light and electron microscopy in depth

Microscopy (Oxf). 2022 Feb 14;dfac005. doi: 10.1093/jmicro/dfac005.
<https://academic.oup.com/jmicro/advance-article/doi/10.1093/jmicro/dfac005/6528365>

Yamaguchi Y, Suzuki T, Mizoro Y, Kori H, Okada K, Chen Y, Fustin JM, Yamazaki F, Mizuguchi N, Zhang J, Dong X, Tsujimoto G, Okuno Y, Doi M, Okamura H:

Mice Genetically Deficient in Vasopressin V1a and V1b Receptors Are Resistant to Jet Lag
Science. 2013 Oct 4;342(6154):85-90.

<http://www.sciencemag.org/cgi/pmidlookup?view=long&pmid=24092737>

Yamamoto K, Miki Y, Sato M, Taketomi Y, Nishito Y, Taya C, Muramatsu K, Ikeda K, Nakanishi H, Taguchi R, Kambe N, Kabashima K, Lambeau G, Gelb MH, Murakami M:

The role of group IIF-secreted phospholipase A2 in epidermal homeostasis and hyperplasia
J Exp Med. 2015 Oct 19;212(11):1901-19. doi: 10.1084/jem.20141904. Epub 2015 Oct 5.

<http://jem.rupress.org/cgi/pmidlookup?view=long&pmid=26438362>

Yamamoto K, Taketomi Y, Isogai Y, Miki Y, Sato H, Masuda S, Nishito Y, Morioka K, Ishimoto Y, Suzuki N, Yokota Y, Hanasaki K, Ishikawa Y, Ishii T, Kobayashi T, Fukami K, Ikeda K, Nakanishi H, Taguchi R, Murakami M:

Hair Follicular Expression and Function of Group X Secreted Phospholipase A2 in Mouse Skin
J Biol Chem. 2011 Apr 1;286(13):11616-31

<http://www.jbc.org/content/286/13/11616.short>

Yanagihara K, Niki H, Baba T:

Direct PCR amplification of the 16S rRNA gene from single microbial cells isolated from an Antarctic iceberg using laser microdissection microscopy

Polar Science, Volume 5, Issue 3, September 2011, Pages 375–382

<http://www.sciencedirect.com/science/article/pii/S1873965211000375>

Yao N, Jan YJ, Cheng S, Chen JF, Chung LW, Tseng HR, Posadas EM:

Structure and function analysis in circulating tumor cells: using nanotechnology to study nuclear size in prostate cancer

Am J Clin Exp Urol. 2018 Apr 1;6(2):43-54.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5902722/pdf/ajceu0006-0043.pdf>

Yegorenkova IV, Tregubova KV, Schelud'ko AV:

Motility in liquid and semisolid media of Paenibacillus polymyxa associative rhizobacteria differing in exopolysaccharide yield and properties

Symbiosis (2017). doi:10.1007/s13199-017-0492-5

<https://link.springer.com/article/10.1007/s13199-017-0492-5>

Zaitsev B, Borodina I, Alsowaidi A, Karavaeva O, Teplykh A, Guliy O :

Microbial Acoustical Analyzer for Antibiotic Indication

Sensors (Basel). 2022 Apr 12;22(8):2937. doi: 10.3390/s22082937.

<https://www.mdpi.com/1424-8220/22/8/2937>

Zhang H, Liu J, Qu D, Wang L, Wong CM, Lau CW, Huang Y, Wang YF, Huang H, Xia Y, Xiang L, Cai Z, Liu P, Wei Y, Yao X, Ma RCW, Huang Y :

Serum exosomes mediate delivery of arginase 1 as a novel mechanism for endothelial dysfunction in diabetes

Proc Natl Acad Sci U S A. 2018 Jul 2. pii: 201721521. doi: 10.1073/pnas.1721521115.

<http://www.pnas.org/cgi/pmidlookup?view=long&pmid=29967177>

Zhang P, Kishimoto Y, Grammatikakis I, Gottimukkala K, Cutler RG, Zhang S, Abdelmohsen K, Bohr VA, Misra Sen J, Gorospe M, Mattson MP:

Senolytic therapy alleviates A β -associated oligodendrocyte progenitor cell senescence and cognitive deficits in an Alzheimer's disease model

Nat Neurosci. 2019 May;22(5):719-728. doi: 10.1038/s41593-019-0372-9. Epub 2019 Apr 1.
<http://dx.doi.org/10.1038/s41593-019-0372-9>

Zhang Z, and Loudon A:

Circadian Gene Profiling in Laser Capture Microdissected Mouse Club Cells

Bio-protocol 10(08): e3590. DOI:10.21769/BioProtoc.3590
<https://bio-protocol.org/pdf/bio-protocol3590.pdf>

Zheng X, Mund A, Mann M:

Protocol for spatial proteomic profiling of tonsil cancer microenvironments using multiplexed imaging-powered deep visual proteomics

STAR Protoc. 2025 Jun 18;6(3):103901. doi: 10.1016/j.xpro.2025.103901.
<https://doi.org/10.1016/j.xpro.2025.103901>

Zhong M, Feng Y, Liao H, Hu X, Wan S, Zhu B, Zhang M, Xiong H, Zhou Y, Zhang J:

Azithromycin Cationic Non-Lecithoid Nano/Microparticles Improve Bioavailability and Targeting Efficiency

Pharm Res. 2014 Sep 11.
<http://link.springer.com/article/10.1007/s11095-014-1382-7>

Zhou S, Wright JL, Liu J, Sin DD, and Churg A:

Aging does not Enhance Experimental Cigarette Smoke-Induced COPD in the Mouse

PLoS ONE 8(8): e71410. doi:10.1371/journal.pone.0071410
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0071410>

Zhou W, Liang Z, Li P, Zhao Z, Chen J:

Tissue-specific chemical profiling and quantitative analysis of bioactive components of Cinnamomum cassia by combining laser-microdissection with UPLC-Q/TOF-MS

Chem Cent J. 2018 Jun 21;12(1):71. doi: 10.1186/s13065-018-0438-x.
<https://link.springer.com/content/pdf/10.1186%2Fs13065-018-0438-x.pdf>

Zhu Y, Colak T, Shenoy M, Liu L, Pai R, Li C, Mehta K, Pasricha PJ:

Nerve growth factor modulates TRPV1 expression and function and mediates pain in chronic pancreatitis

Gastroenterology. 2011 Jul;141(1):370-7. doi: 10.1053/j.gastro.2011.03.046.
[http://linkinghub.elsevier.com/retrieve/pii/S0016-5085\(11\)00417-3](http://linkinghub.elsevier.com/retrieve/pii/S0016-5085(11)00417-3)

Zhu Y, Zou C, Zhang J, Jiang W, Guan F, Tang K, Li S, Li G, Wang J, Ke Z:

Dynamically Monitoring the Clonal Evolution of Lung Cancer Based on the Molecular Characterization of Circulating Tumor Cells using Aptamer Cocktail-Modified Nanosubstrates

ACS Appl Mater Interfaces. 2020 Jan 15. doi: 10.1021/acsami.9b22234.
<https://dx.doi.org/10.1021/acsami.9b22234>

Zigler JS Jr, Zhang C, Grebe R, Sehrawat G, Hackler L Jr, Adhya S, Hose S, McLeod DS, Bhutto I, Barbour W, Parthasarathy G, Zack DJ, Sergeev Y, Luty GA, Handa JT, Sinha D:

Mutation in the β A3/A1-crystallin gene impairs phagosome degradation in the retinal pigmented epithelium of the rat

J Cell Sci. 2011 Feb 15;124(Pt 4):523-31. doi: 10.1242/jcs.078790.
<http://jcs.biologists.org/cgi/pmidlookup?view=long&pmid=21266465>

14. Live Cell Culture

Afshar K, Willard FS, Colombo K, Johnston CA, McCudden CR, Siderovski DP, Gönczy P:
RIC-8 is required for GPR-1/2-dependent Galpha function during asymmetric division of *C. elegans* embryos

Cell. 2004 Oct 15;119(2):219-30.

<http://linkinghub.elsevier.com/retrieve/pii/S0092867404008992>

Afshar, K., Willard, F.S., Colombo, K., Siderovski, D.P., and Gonczy, P.:

Cortical localization of the Galpha protein GPA-16 requires RIC-8 function during *C. elegans* asymmetric cell division

Development 132(20): 4449-4459 (2005)

<http://dev.biologists.org/content/132/20/4449.long>

Amé JC, Fouquerel E, Gauthier LR, Biard D, Boussin FD, Dantzer F, de Murcia G, Schreiber V:

Radiation-induced mitotic catastrophe in PARG-deficient cells

J Cell Sci. 2009 Jun 15;122(Pt 12):1990-2002.

<http://jcs.biologists.org/cgi/pmidlookup?view=long&pmid=19454480>

André EM, Daviaud N, Sindji L, Cayon J, Perrot R, Montero-Menei CN:

A novel ex vivo Huntington's disease model for studying GABAergic neurons and cell grafts by laser microdissection

PLoS One. 2018 Mar 5;13(3):e0193409. doi: 10.1371/journal.pone.0193409. eCollection 2018.

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0193409>

Bellon A, Iyer A, Bridi S, Lee FC, Ovando-Vázquez C, Corradi E, Longhi S, Roccuzzo M, Strohbuecker S, Naik S, Sarkies P, Miska E, Abreu-Goodger C, Holt CE, Baudet ML:

miR-182 Regulates Slit2-Mediated Axon Guidance by Modulating the Local Translation of a Specific mRNA

Cell Rep. 2017 Jan 31;18(5):1171-1186. doi: 10.1016/j.celrep.2016.12.093.

[https://linkinghub.elsevier.com/retrieve/pii/S2211-1247\(17\)30003-7](https://linkinghub.elsevier.com/retrieve/pii/S2211-1247(17)30003-7)

Bjerg JT, Boschker HTS, Larsen S, Berry D, Schmid M, Millo D, Tataru P, Meysman FJR, Wagner M, Nielsen LP, Schramm A:

Long-distance electron transport in individual, living cable bacteria

Proc Natl Acad Sci U S A. 2018 May 7. pii: 201800367. doi: 10.1073/pnas.1800367115.

<https://www.pnas.org/doi/10.1073/pnas.1800367115>

Chakrabarti S, Makhmut A, Mohammadi A, Luo W, Wang L, Lewin GR, Coscia F:

Ultrasensitive proteomics uncovers nociceptor diversity and novel pain targets

bioRxiv, Sept 21, 2025

<https://doi.org/10.1101/2025.09.20.677124>

Chen Y, Jiang H, Xiong J, Shang J, Chen Z, Wu A, Wang H:

Insight into the Molecular Characteristics of Langhans Giant Cell by Combination of Laser Capture Microdissection and RNA Sequencing

Journal of Inflammation Research, 2 Feb 2022, Vol. 15, DOI: <https://doi.org/10.2147/JIR.S337241>

<https://doi.org/10.2147/JIR.S337241>

Choe YJ, Min JY, Lee H, Lee SY, Kwon J, Kim HJ, Lee J, Kim HM, Park HS, Cho MY, Hyun JY, Kim HM, Chung YH, Ha SK, Jeong HG, Choi I, Kim TD, Hong KS, and Han EH:

Heterotypic cell-in-cell structures between cancer and NK cells are associated with enhanced anticancer drug resistance

iScience 25, 105017 September 16, 2022

<https://doi.org/10.1016/j.isci.2022.105017>

Funel N, Baron M, Pollina LE, Del Chiaro M, Salem FA, Boggi U, Bevilacqua G, Mosca F, Campani D:
Homozygosis Mutation in K-ras Oncogene in Primary Cell Culture from Pancreatic Ductal Adenocarcinoma. Characteristic of the Tumor or Adaptation in Vitro?

JOP. J Pancreas (Online) 2007; 8(5 Suppl):658-659.

<http://www.joplink.net/prev/200709/39.html>

Funel, N., Menicagli, M., Campani, D., Esposito, I., Pollina, L.E., Recarli, N., Di Cristofano, C., Cavazzana, A.O., Chifenti, B., Del Chiaro, M., Boggi, U., Mosca, T., and Bevilacqua, G.:

Laser Microdissection on Primary Cell Cultures of Pancreatic Adenocarcinoma

J Pancreas 5: 438-439 (2004)

<https://doi.org/10.1038/labinvest.2008.40>

Gao F, Zhang G, Liu Y, He Y, Sheng Y, Sun X, Du Y, Yang C:

Activation of CD44 signaling in leader cells induced by tumor-associated macrophages drives collective detachment in luminal breast carcinomas

Cell Death Dis. 2022 Jun 9;13(6):540. doi: 10.1038/s41419-022-04986-4.

<https://www.nature.com/articles/s41419-022-04986-4>

Handschiek K, Beuerlein K, Jurida L, Bartkuhn M, Müller H, Soelch J, Weber A, Dittrich-Breiholz O, Schneider H, Scharfe M, Jarek M, Stellzig J, Schmitz ML, Kracht M:

Cyclin-Dependent Kinase 6 Is a Chromatin-Bound Cofactor for NF- κ B-Dependent Gene Expression

Mol Cell. 2013 Dec 31. pii: S1097-2765(13)00870-8. doi: 10.1016/j.molcel.2013.12.002.

<https://www.cell.com/molecular-cell/abstract/S1097-2765%2813%2900870-8>

Hård J, Al Hakim E, Kindblom M, Björklund ÅK, Sennblad B, Demirci I, Paterlini M, Reu P, Borgström E, Ståhl PL, Michaelsson J, Mold JE, Frisén J:

Conbase: a software for unsupervised discovery of clonal somatic mutations in single cells through read phasing

Genome Biol. 2019 Apr 1;20(1):68. doi: 10.1186/s13059-019-1673-8.

<https://doi.org/10.1186/s13059-019-1673-8>

Kim Y, Jang H, Seo K, Kim JH, Cho HM, Kim HJ, Yang E, Kim H, Gim J-A, Park Y, Ryu JR, Sun W:

Cell position within human pluripotent stem cell colonies determines apical specialization via an actin cytoskeleton-based mechanism

Stem Cell Reports. 2021 Nov 27;S2213-6711(21)00586-5. doi: 10.1016/j.stemcr.2021.11.005.

<https://www.sciencedirect.com/science/article/pii/S2213671121005865>

Lammers G, Roth G, Heck M, Zengerle R, Tjabringa GS, Versteeg EM, Hafmans T, Wismans R, Reinhardt DP, Verwiel ET, Zeeuwen PL, Schalkwijk J, Brock R, Daamen WF, van Kuppevelt TH:

Construction of a Microstructured Collagen Membrane Mimicking the Papillary Dermis Architecture and Guiding Keratinocyte Morphology and Gene Expression

Macromol Biosci. 2012 Mar 13. doi: 10.1002/mabi.201100443. [Epub ahead of print]

<http://dx.doi.org/10.1002/mabi.201100443>

Lee KJ, Saha J, Sun J, Fattah KR, Wang SC, Jakob B, Chi L, Wang SY, Taucher-Scholz G, Davis AJ, Chen DJ:

Phosphorylation of Ku dictates DNA double-strand break (DSB) repair pathway choice in S phase

Nucleic Acids Res. 2016 Feb 29;44(4):1732-45. doi: 10.1093/nar/gkv1499.

<http://nar.oxfordjournals.org/content/44/4/1732.full.pdf+html>

Li J, Li SS, Liu Y, Tang WY, Liu XF, Meng CF, Zhang LY, Sun MX:

An efficient semi-in vivo zygotic embryogenesis system in Arabidopsis

In Vitro Cell.Dev.Biol.-Plant, 27. Dec 2022

<https://doi.org/10.1007/s11627-022-10319-z>

Li M, Zhang L, Li J, and Zhu Q:

Direct Reprogramming of Mouse Subchondral Bone Osteoblasts into Chondrocyte-Like Cells
Biomedicines 2022, 10, 2582.

<https://doi.org/10.3390/biomedicines10102582>

Li X, Sun Y, Wang S, Si C, Li H, and Chang B:

A 3-Dimensional Scaffolding System Recapitulates the Hierarchical Osteon Structure
ACS Omega 2024, XXXX, XXX, XXX-XXX

<https://doi.org/10.1021/acsomega.4c04146>

Malik S, Valdebenito S, D'Amico D, Prideaux B, Eugenin EA:

HIV infection of astrocytes compromises inter-organelle interactions and inositol phosphate metabolism: a potential mechanism of bystander damage and viral reservoir survival

Prog Neurobiol. 2021 Aug 26;102157. doi: 10.1016/j.pneurobio.2021.102157.

<https://www.sciencedirect.com/science/article/pii/S0301008221001714>

Metwaly H, Maruyama S, Yamazaki M, Tsuneki M, Abé T, Jen KY, Cheng J, Saku T

Parenchymal-stromal switching for extracellular matrix production on invasion of oral squamous cell carcinoma

Hum Pathol. 2012 May 9.

[http://linkinghub.elsevier.com/retrieve/pii/S0046-8177\(12\)00063-9](http://linkinghub.elsevier.com/retrieve/pii/S0046-8177(12)00063-9)

Mustafa A, Cenayko C, Mitry RR, Quaglia A:

Laser microdissection microscopy: application to cell culture

Methods Mol Biol. 2012;806:385-92.

https://link.springer.com/protocol/10.1007%2F978-1-61779-367-7_25

Nakatsu MN, Hughes CC:

An optimized three-dimensional in vitro model for the analysis of angiogenesis

Methods Enzymol. 2008;443:65-82.

<http://www.sciencedirect.com/science/article/pii/S0076687908020041>

Omatsu-Kanbe M, Nozuchi N, Nishino Y, Mukaisho KI, Sugihara H, Matsuura H:

Identification of cardiac progenitors that survive in the ischemic human heart after ventricular myocyte death

Sci Rep. 2017 Jan 25;7:41318. doi: 10.1038/srep41318.

<http://dx.doi.org/10.1038/srep41318>

Pensold D, Zimmer-Bensch G:

Methods for Single-Cell Isolation and Preparation

In: Yu B., Zhang J., Zeng Y., Li L., Wang X. (eds) Single-cell Sequencing and Methylation. Advances in Experimental Medicine and Biology, vol 1255.

https://link.springer.com/chapter/10.1007/978-981-15-4494-1_2

Podgorny OV:

Live cell isolation by laser microdissection with gravity transfer

Journal of Biomedical Optics, May 2013, Volume 18 Issue 5

<http://biomedicaloptics.spiedigitallibrary.org/article.aspx?articleid=1686701>

Podgorny OV, Polina NF, Babenko VV, Karpova IY, Kostryukova ES, Govorun VM, Lazarev VN:

Isolation of single Chlamydia-infected cells using laser microdissection

J Microbiol Methods. 2014 Dec 26. pii: S0167-7012(14)00367-4. doi: 10.1016/j.mimet.2014.12.018.

<http://www.sciencedirect.com/science/article/pii/S0167701214003674>

Riche S, Zouak M, Argoul F, Arneodo A, Pecreaux J, Delattre M:

Evolutionary comparisons reveal a positional switch for spindle pole oscillations in *Caenorhabditis* embryos

J Cell Biol. 2013 May 20.

<http://jcb.rupress.org/cgi/pmidlookup?view=long&pmid=23690175>

Schmacke NA, Mädler SC, Wallmann G, Metousis A, Bérouti M, Harz H, Leonhardt H, Mann M, Horning V:

SPARCS, a platform for genome-scale CRISPR screening for spatial cellular phenotypes

bioRxiv, 1 June 2023, DOI: 10.1101/2023.06.01.542416

<https://doi.org/10.1101/2023.06.01.542416>

Valdebenito S, Malik S, Luu R, Loudig O, Mitchell M, Okafo G, Bhat K, Prideaux B, Eugenin EA:

Tunneling nanotubes, TNT, communicate glioblastoma with surrounding non-tumor astrocytes to adapt them to hypoxic and metabolic tumor conditions

Sci Rep. 2021 Jul 15;11(1):14556. doi: 10.1038/s41598-021-93775-8.

<https://www.nature.com/articles/s41598-021-93775-8>

Visci G, Tolomeo D, Lonoce A, Arshadi A, Bascetta L, Trotta G, van Riel M, Vermeesch JR, Carbone R, Storlazzi CT:

A novel method for the isolation of single cells mimicking circulating tumour cells adhered on Smart Bio Surface slides by Laser Capture Microdissection

Protocols.io, 26 Oct 2023

<https://www.protocols.io/view/a-novel-method-for-the-isolation-of-single-cells-m-81wgbx5kolpk/v1>

Yokota S, Takihara Y, Arimura S, Miyake S, Takamura Y, Yoshimura N, Inatani M:

Altered Transport Velocity of Axonal Mitochondria in Retinal Ganglion Cells After Laser-Induced Axonal Injury In Vitro

Invest Ophthalmol Vis Sci. 2015 Dec 1;56(13):8019-8025. doi: 10.1167/iovs.15-17876.

<http://iovs.arvojournals.org/article.aspx?doi=10.1167/iovs.15-17876>

Zelissen R, Ahmadian S, Montilla-Rojo J, Timmer E, Ummelen M, Hopman A, Smeets H and van Tienen F:

Fusion of Wild-Type Mesoangioblasts with Myotubes of mtDNA Mutation Carriers Leads to a Proportional Reduction in mtDNA Mutation Load

Int. J. Mol. Sci. 2023, 24, 2679.

<https://doi.org/10.3390/ijms24032679>

Zhang B, Su W, Hu J, Xu J, Askar P, Bao S, Zhou S, Chen G, Gu Y:

Transcriptome Analysis of Schwann Cells at Various Stages of Myelination Implicates Chromatin Regulator Sin3A in Control of Myelination Identity

Neurosci Bull. 2022 Apr 10. doi: 10.1007/s12264-022-00850-9.

<https://link.springer.com/article/10.1007/s12264-022-00850-9>

Zhou X, Shi C, Zhao P, Sun M:

Isolation of living apical and basal cell lineages of early proembryos for transcriptome analysis

Plant Reprod. 2018 Dec 13. doi: 10.1007/s00497-018-00353-6.

<https://link.springer.com/article/10.1007/s00497-018-00353-6>

Zhu P, Ning Y, Yao L, Chen M, Xu C:

The proliferation, apoptosis, invasion of endothelial-like epithelial ovarian cancer cells induced by hypoxia

J Exp Clin Cancer Res. 2010 Sep 10;29:124. doi: 10.1186/1756-9966-29-124.

<http://www.ncbi.nlm.nih.gov/pmc/articles/pmid/20831794/>