

## 1. DNA-Research

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.bioreprod.org/content/72/6/1297.long>

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, Hurlings 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](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, Berensztein E, Rivarola MA, Belgorosky A:  
**DNA methylation is not involved in specific down-regulation of HSD3B2, NR4A1 and RARβ 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>

Bayona-Bafaluy, M.P., Blits, B., Battersby, B.J., Shoubridge, 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>

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>

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, Yvrol 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>

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 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>

Chatziandreou I, Tsioli P, Sakellariou S, Mourkioti 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 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](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  $\beta$ -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>

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](https://dx.doi.org/10.1007/978-1-0716-0860-9_3)

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](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 K W Y, 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>

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>

De Raeve, L.E., Claes, A., Ruiters, 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>

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>

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)

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>

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>

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, Vértesy 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, 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](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>

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>

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>

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>

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>

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>

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>

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**

Virology 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/9uuvwg5dtv43bcqxh/?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>

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>

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)

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>

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>

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>

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>

Katz SF, Lechel A, Obenaus AC, Begus-Nahrman 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>

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, 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>

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>

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](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/r736437041711552/#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/q920m483112120k6/#section=676826&page=1>

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>

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>

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, Paindavoine S, Dechelotte PJ, Besse B, Vignaud JM, Brevet M, Fadel E, Richer W, Treilleux I, Masliah-Planchon J, Devouassoux-Shisheboran M, Zalczman 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>

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, Boschiroli 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- $\gamma$  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, 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, 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 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, 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 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](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 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 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>

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](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](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/>

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, Labгаа 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>

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 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>

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>

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>

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>

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>

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, Shiraiishi 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>

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>

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>

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, 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>

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>

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)

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>

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](https://dx.doi.org/10.1007/978-1-4939-7292-0_21)

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://bmclinpathol.biomedcentral.com/articles/10.1186/s12907-017-0042-3>



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 J, Ogoe HÁ, 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>

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>

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>

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/PMC2630990/>

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>

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>

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>

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, Leigh 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>

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>

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>

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](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>

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-Nahrman 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>

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)

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](https://link.springer.com/protocol/10.1007/978-1-4939-7447-4_18)

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, Steenberg 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>

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>

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](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>

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>

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>

Teixeira VH, Nadarajan P, Graham TA, Pipinikas CP, Brown JM, Falzon M, Nye E, Poulson 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/](https://www.jstage.jst.go.jp/article/jafst/19/1/19_1/article/-char/ja/)

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>

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, Succi 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>

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>

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>

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>

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>

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 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/6872721wl5042721/>

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, 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, 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/>

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#!>

Wilting SM, Snijders PJ, Verlaat 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>

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>

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>

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>

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 lentiginos**

Exp Dermatol. 2019 Apr 25. doi: 10.1111/exd.13949.

<https://onlinelibrary.wiley.com/doi/pdf/10.1111/exd.13949>

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  $\omega$ -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 H, Xu C, Tang Y, Wan C, Liu W, Wang L:

**The significance of multiplex PCR/heteroduplex analysis-based TCR- $\gamma$  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>

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>

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>

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 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>

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>

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>

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>