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Publications

A fluid biomarker reveals loss of TDP-43 splicing repression in presymptomatic ALS-FTD

<https://doi.org/10.1038/s41591-023-02788-5>

Irwin KE, Jasin P, Braunstein KE, Sinha IR, Garret MA, et al.

Nature Medicine

2024 vol: 30(2) pp:382-93

Flexible ultrasound-induced retinal stimulating piezo-arrays for biomimetic visual prostheses

<https://doi.org/10.1038/s41467-022-31599-4>

Jiang L, Lu G, Zeng Y, Sun Y, Kang H, et al.

Nature Communications

2022 vol: 13(1) pp:3853

Ultra-transparent, hard and antibacterial coating with pendent quaternary pyridine salt

<https://doi.org/10.1016/j.porgcoat.2022.107369>

Cao Y, Yang Z, Ou J, Jiang L, Chu G, et al.

Progress in Organic Coatings

2023 vol: 175 pp:107369

Living Magnetotactic Microrobots Based on Bacteria with a Surface-Displayed CRISPR/Cas12a System for *Penaeus* Viruses Detection

<https://doi.org/10.1021/acsami.3c09690>

Chen H, Zhou T, Li S, Feng J, Li W, et al.

ACS Applied Materials & Interfaces

2023

Parallelized multidimensional analytic framework applied to mammary epithelial cells uncovers regulatory principles in EMT

<https://doi.org/10.1038/s41467-023-36122-x>

Paul I, Bolzan D, Youssef A, Gagnon KA, Hook H, et al.

Nature Communications

2023 vol: 14(1) pp:688

TMEM135 maintains the equilibrium of osteogenesis and adipogenesis by regulating mitochondrial dynamics

<https://doi.org/10.1016/j.metabol.2023.155767>

Liu J, Bao X, Huang J, Chen R, Tan Y, et al.

Metabolism

2024 vol: 152 pp:155767

Twin-bioengine self-adaptive micro/nanorobots using enzyme actuation and macrophage relay for gastrointestinal inflammation therapy

<https://doi.org/10.1126/sciadv.adc8978>

Zhang B, Pan H, Chen Z, Yin T, Zheng M, et al.

Science Advances

2023 vol: 9(8) pp:eadc8978

KCTD1/KCTD15 complexes control ectodermal and neural crest cell functions and their impairment causes aplasia cutis

<https://doi.org/10.1172/JCI174138>

Raymundo JR, Zhang H, Smaldone G, Zhu W, Daly KE, et al.

The Journal of Clinical Investigation

2023

Angiopoietin-2 and the Vascular Endothelial Growth Factor Promote Migration and Invasion in Hepatocellular Carcinoma- and Intrahepatic Cholangiocarcinoma-Derived Spheroids

<https://doi.org/10.3390/biomedicines12010087>

Romanzi A, Milosa F, Marcelli G, Critelli RM, Lasagni S, et al.

Biomedicines

2024 vol: 12(1) pp:87

Endometrial organoids: a reservoir of functional mitochondria for uterine repair

<https://doi.org/10.7150/thno.90538>

Hwang S-Y, Lee D, Lee G, Ahn J, Lee Y-G, et al.

Theranostics

2024 vol: 14(3) pp:954-72

Interview with Prof. Kang (last author)

Nox2 inhibition reduces trophoblast ferroptosis in preeclampsia via the STAT3/GPX4 pathway

<https://doi.org/10.1016/j.lfs.2024.122555>

Xu X, Zhu M, Zu Y, Wang G, Li X, et al.

Life Sciences

2024 vol: 343 pp:122555

Scaffold-free three-dimensional cartilage regeneration based on cartilaginous organoids
bioassembly technology

<https://doi.org/10.1002/agt2.619>

Huo Y, Ci Z, Wu S, Feng S, Sun Y, et al.

Aggregate

2024 pp:e619

Dendrimer Platforms for Targeted Doxorubicin Delivery: Physicochemical Properties in Context
of Biological Responses

<https://doi.org/10.3390/ijms25137201>

Szota M, Szwedowicz U, Rembialkowska N, Janicka-Klos A, Doveiko D, et al.

International Journal of Molecular Sciences

2024 vol: 25(13) pp:7201

Optimized rAAV8 targeting acinar KLF4 ameliorates fibrosis in chronic pancreatitis via
exosomes-enriched let-7s suppressing pancreatic stellate cells activation

<https://doi.org/10.1016/j.ymthe.2024.06.030>

Zhao Y, Feng Y, Sun F, Li L, Chen J, et al.

Molecular Therapy



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