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Publications 2022

[Glycine-induced NMDA receptor internalization provides neuroprotection and preserves vasculature following ischemic stroke](#)

J Cappelli, P Khacho, B Wang, A Sokolovski, W Bakkar, S Raymond, N Ahlskog, J Pitney, J Wu, P Chudalayandi, AYC Wong, R Bergeron
iScience
2022 25(2)

[Imaging mitosis with lattice lightsheet](#)

A Barazia, C Monks
Mitosis
2022 10

[Deletion of ABCB10 in beta-cells protects from high-fat diet induced insulin resistance](#)

M Shum, M Segawa, R Gharakhanian, A Viñuela, M Wortham, S Baghdasarian, DM Wolf, SB Sereda, L Nocito, L Stiles, Z Zhou, V Gutierrez, M Sander, OS Shirihi, M Liesa
Molecular Metabolism
2022 55

[Morphological heterogeneity description enabled early and parallel non-invasion prediction of T-cell proliferation inhibitory potency and growth rate for facilitating donor selection of human mesenchymal stem cells](#)

Y Imai, K Kanie, R Kato
Inflammation and Regeneration
2022 42

A female in vivo haploid-induction system via mutagenesis of egg cell-specific peptidases

X Zhang, C Shi, S Li, B Zhang, T Dresselhaus, MX Sun

Research Square

2022 Preprint

Abscisic acid drives stomatal closure through increases in hydrogen peroxide in distinct subcellular compartments including mitochondria

AE Postiglione, GK Muday

BioRxiv

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In vivo simultaneous nonlinear absorption Raman and fluorescence (SNARF) imaging of mouse brain cortical structures

AT Francis, B Manifold, EC Thomas, R Hu, AH Hill, S Men, D Fu

Communications Biology

2022 5

Traip controls mushroom body size by suppressing mitotic defects

RS O'Neill, NM Rusan

Development

2022 149(7)

Expansion of fibroblast cell sheets using a modified MEEK micrografting technique for wound healing applications

K Benchapraphanphom, P Sakulaue, W Siriawatwechakul, P Muangman, K Chinaronchai, N

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Research Square

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Myc supports self-renewal of basal cells in the esophageal epithelium

T Hishida, E Vazquez-Ferrer, Y Hishida-Nozaki, Y Takemoto, F Hatanaka, K Yoshida, J Prieto, SK

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Frontiers in Cell and Developmental Biology

2022

Automated stain-free histomorphometry of peripheral nerve by contrast-enhancing techniques and artificial intelligence

IC Hernández, S Mohan, N Jowett

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2022 375

Nutritional control of thyroid morphogenesis through gastrointestinal hormones

M Takagishi, BM Aleogho, M Okamura, K Ushida, Y Yamada, Y Seino, S Fujimura, K Nakashima, A Shindo

Current Biology

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Y Wang, H Jeon

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K Sato, M Sakai, A Ishii, K Maehata, Y Takada, K Yasuda, T Kotani

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Mitapivat increases ATP and decreases oxidative stress and erythrocyte mitochondria retention in a SCD mouse model

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2022 95

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R Tsai, G Interlandi
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