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Employment

Academic Staff

Chair of Neural Development and Regeneration
Technische Universität Dresden
1 Jul 2021 → present

Member

Clusters of Excellence PoL: Physics of Life
Technische Universität Dresden
1 Jul 2021 → present

Academic Staff

Faculty of Biology
Technische Universität Dresden
1 Jul 2021 → present

Research outputs

Microglia are essential for tissue contraction in wound closure after brain injury in zebrafish larvae

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C9ORF72 Deficiency Results in Neurodegeneration in the Zebrafish Retina

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Drug screening in zebrafish larvae reveals inflammation-related modulators of secondary damage after spinal cord injury in mice

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Rapid Testing of Gene Function in Axonal Regeneration After Spinal Cord Injury Using Larval Zebrafish

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Controlled Semi-Automated Lased-Induced Injuries for Studying Spinal Cord Regeneration in Zebrafish Larvae

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Ortega-Liebana, M. C., Porter, N. J., Adam, C., Valero, T., Hamilton, L., Sieger, D., Becker, C. G., & 1 others Unciti-Broceta, A., 3 Nov 2021, In: Angewandte Chemie. 134, 1

A unique macrophage subpopulation signals directly to progenitor cells to promote regenerative neurogenesis in the zebrafish spinal cord

Cavone, L., McCann, T., Drake, L. K., Aguzzi, E. A., Opreașoreanu, A. M., Pedersen, E., Sandi, S., & 10 others Selvarajah, J., Tsarouchas, T. M., Wehner, D., Keatinge, M., Mysiak, K. S., Henderson, B. E. P., Dobie, R., Henderson, N. C., Becker, T. & Becker, C. G., 7 Jun 2021, In: Developmental cell. 56, 11, p. 1617-1630.e6

CRISPR gRNA phenotypic screening in zebrafish reveals pro-regenerative genes in spinal cord injury

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RETRACTED: Expression of the zebrafish recognition molecule F3/F11/contactin in a subset of differentiating neurons is regulated by cofactors associated with LIM domains

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Prizes

Alexander-von-Humboldt Professorship

Becker, C. (Recipient), 1 Jul 2021