

Resource Summary Report

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MicroBrightfield, Inc.

RRID:SCR_004314

Type: Tool

Proper Citation

MicroBrightfield, Inc. (RRID:SCR_004314)

Resource Information

URL: <http://www.mbfbioscience.com/>

Proper Citation: MicroBrightfield, Inc. (RRID:SCR_004314)

Description: A provider for commercial products for analyzing neuronal morphology, stereology, etc.

Abbreviations: MBF

Synonyms: mbf Bioscience, MicroBrightfield

Resource Type: commercial organization

Keywords: neurolucida, neuronal morphology, neuronal stereology

Availability: Organization

Resource Name: MicroBrightfield, Inc.

Resource ID: SCR_004314

Alternate IDs: Wikidata: Q6714719, grid.421345.5, nif-0000-00110

Alternate URLs: <https://ror.org/02zynam48>

Record Creation Time: 20220129T080223+0000

Record Last Update: 20260801T190234+0000

Ratings and Alerts

No rating or validation information has been found for MicroBrightfield, Inc..

No alerts have been found for MicroBrightfield, Inc..

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 58 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Hercher C, et al. (2026) Cerebellar astrocytic alterations in depression. Translational psychiatry, 16(1).

Hercher C, et al. (2025) Distribution and morphological features of astrocytes and Purkinje cells in the human cerebellum. Frontiers in neuroanatomy, 19, 1592671.

Tsoi SC, et al. (2025) Daily high doses of atorvastatin alter neuronal morphology in a juvenile songbird model. PloS one, 20(4), e0314690.

Li B, et al. (2023) CHD8 mutations increase gliogenesis to enlarge brain size in the nonhuman primate. Cell discovery, 9(1), 27.

Pieczonka K, et al. (2023) Human Spinal Oligodendrogenic Neural Progenitor Cells Enhance Pathophysiological Outcomes and Functional Recovery in a Clinically Relevant Cervical Spinal Cord Injury Rat Model. Stem cells translational medicine, 12(9), 603.

Gonzalez-Sepulveda M, et al. (2023) In vivo reduction of age-dependent neuromelanin accumulation mitigates features of Parkinson's disease. Brain : a journal of neurology, 146(3), 1040.

Guo Y, et al. (2023) Elevated levels of FMRP-target MAP1B impair human and mouse neuronal development and mouse social behaviors via autophagy pathway. Nature communications, 14(1), 3801.

Chalif JI, et al. (2022) Control of mammalian locomotion by ventral spinocerebellar tract neurons. Cell, 185(2), 328.

Fernández-Pérez A, et al. (2022) Restricting feeding to dark phase fails to entrain circadian activity and energy expenditure oscillations in Pitx3-mutant Aphakia mice. Cell reports, 38(2), 110241.

Panicker N, et al. (2022) Neuronal NLRP3 is a parkin substrate that drives neurodegeneration in Parkinson's disease. Neuron, 110(15), 2422.

Surles-Zeigler MC, et al. (2022) Extending and using anatomical vocabularies in the stimulating peripheral activity to relieve conditions project. Frontiers in neuroinformatics, 16, 819198.

Park H, et al. (2022) PAAN/MIF nuclease inhibition prevents neurodegeneration in Parkinson's disease. Cell, 185(11), 1943.

Anstötz M, et al. (2022) Glutamate released by Cajal-Retzius cells impacts specific hippocampal circuits and behaviors. *Cell reports*, 39(7), 110822.

Riquier AJ, et al. (2022) Terminal field volume of the glossopharyngeal nerve in adult rats reverts to prepruning size following microglia depletion with PLX5622. *Developmental neurobiology*, 82(7-8), 613.

Purkart L, et al. (2022) Trigeminal ganglion and sensory nerves suggest tactile specialization of elephants. *Current biology : CB*, 32(4), 904.

Sullivan AE, et al. (2022) A Comprehensive, FAIR File Format for Neuroanatomical Structure Modeling. *Neuroinformatics*, 20(1), 221.

Srivastava M, et al. (2022) Form, synapses and orientation topography of a new cell type in layer 6 of the cat's primary visual cortex. *Scientific reports*, 12(1), 15428.

Eroglu B, et al. (2022) Dusp26 phosphatase regulates mitochondrial respiration and oxidative stress and protects neuronal cell death. *Cellular and molecular life sciences : CMLS*, 79(4), 198.

Nassif C, et al. (2022) Integrity of Neuronal Size in the Entorhinal Cortex Is a Biological Substrate of Exceptional Cognitive Aging. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(45), 8587.

Shen M, et al. (2021) FXR1 regulation of parvalbumin interneurons in the prefrontal cortex is critical for schizophrenia-like behaviors. *Molecular psychiatry*, 26(11), 6845.