Resource Summary Report

Generated by PRECISE-TBI on Sep 8, 2026

MBF BioScience: Stereo Investigator

RRID:SCR_002526
Type: Tool

Proper Citation

MBF BioScience: Stereo Investigator (RRID:SCR_002526)

Resource Information

URL: http://www.mbfbioscience.com/stereo-investigator

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Description: Stereo Investigator system includes microscope, computer, and Stereo Investigator software. Software works with Brightfield, Multi-Channel Fluorescence, Confocal, and Structured Illumination Microscopes. System used to provide estimates of number, length, area, and volume of cells or biological structures in tissue specimen in areas of neuroscience including neurodegenerative diseases, neuropathy, memory, and behavior, pulmonary research, spinal cord research, and toxicology.

Synonyms: Stereo Investigator system

Resource Type: instrument resource, software resource

Keywords: stereology, MBF Bioscience, number, length, area, volume cells, biological structures, tissue specimen

Availability: Restricted

Resource Name: MBF BioScience: Stereo Investigator

Resource ID: SCR_002526

Alternate IDs: SciRes_000114, SCR_024705, SCR_018948

Alternate URLs: http://www.nitrc.org/projects/si_stereology

Record Creation Time: 20220129T080213+0000

Record Last Update: 20260905T133227+0000

Ratings and Alerts

No rating or validation information has been found for MBF BioScience: Stereo Investigator.

No alerts have been found for MBF BioScience: Stereo Investigator.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 162 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Villard J, et al. (2026) Postnatal Development of the Perirhinal and Parahippocampal Cortices: A Stereological Study in Macaque Monkeys. The Journal of comparative neurology, 534(1), e70130.

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

Qi M, et al. (2026) Glutamatergic Heterogeneity in the Neuropeptide Projections From the Lateral Hypothalamus to the Mouse Olfactory Bulb. The Journal of comparative neurology, 534(1), e70118.

D'Addario SL, et al. (2026) Effects of neuromelanin buildup in rodent nigral dopamine neurons: implications for sex-biased vulnerability in Parkinson's disease. Neurobiology of disease, 223, 107378.

Bautista J, et al. (2026) Inhibitory Neurons in Human Anterior Entorhinal Cortex and Some Comparisons With the Rhesus Monkey. The Journal of comparative neurology, 534(7), e70181.

Casanova-Pagola J, et al. (2026) Early-life cognitive intervention preserves brain function in aged TgF344-AD rats with sex-specific effects. iScience, 29(1), 114381.

Hartswick D, et al. (2025) Connectivity and phenotype of vasopressin 1a receptor cells in the lateral septum. bioRxiv : the preprint server for biology.

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

Koiso R, et al. (2025) Emergence of the sex difference in calbindin D-28K neurons and the role of calbindin D-28K in clustering neurons of the preoptic area in mice. Cell and tissue research, 401(2), 117.

Fredericks JM, et al. (2025) Chemogenetic inhibition of amygdala to ventrolateral prefrontal cortex communication selectively impacts contingent learning. bioRxiv : the preprint server for biology.

Wang S, et al. (2025) Inhibition of soluble epoxide hydrolase confers neuroprotection and restores microglial homeostasis in a tauopathy mouse model. Molecular neurodegeneration, 20(1), 44.

Roach C, et al. (2025) Release and Reuptake Sites for Norepinephrine Are Differently Distributed Across Layers of the Primary Visual Cortex in Macaque Monkeys. The Journal of comparative neurology, 533(11), e70110.

Hauzman E, et al. (2025) Exceptional Visual-Opsin Coexpression and Phenotypic Diversity in Outer-Retinal Photoreceptors of Caenophidian Snakes. The Journal of comparative neurology, 533(10), e70092.

de Paiva Lopes K, et al. (2025) Gene module-trait network analysis uncovers cell type specific systems and genes relevant to Alzheimer's Disease. bioRxiv : the preprint server for biology.

Santana NNM, et al. (2025) Neuronal number and somal volume in calbindin-expressing neurons of the marmoset dorsal lateral geniculate nucleus are preserved during aging. PloS one, 20(5), e0323906.

Radiske A, et al. (2025) Theta-encoded information flow from dorsal CA1 to prelimbic cortex drives memory reconsolidation. iScience, 28(7), 112821.

Zanetti L, et al. (2025) Protocol to count the number of noradrenergic neurons in mouse locus coeruleus by unbiased stereology. STAR protocols, 7(1), 104273.

Wang S, et al. (2025) Inhibition of Soluble Epoxide Hydrolase Confers Neuroprotection and Restores Microglial Homeostasis in a Tauopathy Mouse Model. Research square.

Arai Y, et al. (2025) A male-dominant cell group expressing calbindin-D28K and androgen receptor in the mouse preoptic area requires postnatal testicular androgens and histone deacetylation. Journal of neuroendocrinology, 37(11), e70097.

Rademacher K, et al. (2025) Chronic hyperactivation of midbrain dopamine neurons causes preferential dopamine neuron degeneration. eLife, 13.