Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 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

Proper Citation: MBF BioScience: Stereo Investigator (RRID:SCR_002526)

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: software resource, instrument 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: 20260801T042518+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 145 mentions in open access literature.

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

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.

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

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.

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.

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

Marshall LG, et al. (2025) Specializations in Amygdalar and Hippocampal Innervation of the Primate Nucleus Accumbens Shell. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(24).

Friesen CN, et al. (2025) Sex difference in the effects of ventral pallidum vasopressin 1a receptor partial knockdown on social behavior in mice. Hormones and behavior, 174, 105792.

Di Martino E, et al. (2024) Inflammatory, metabolic, and sex-dependent gene-regulatory dynamics of microglia and macrophages in neonatal hippocampus after hypoxia-ischemia.

iScience, 27(4), 109346.

Elorette C, et al. (2024) The neural basis of resting-state fMRI functional connectivity in fronto-limbic circuits revealed by chemogenetic manipulation. Nature communications, 15(1), 4669.

Laguna A, et al. (2024) Modelling human neuronal catecholaminergic pigmentation in rodents recapitulates age-related neurodegenerative deficits. Nature communications, 15(1), 8819.

Avvisati R, et al. (2024) Distributional coding of associative learning in discrete populations of midbrain dopamine neurons. Cell reports, 43(4), 114080.

La Vitola P, et al. (2024) Mitochondrial oxidant stress promotes ?-synuclein aggregation and spreading in mice with mutated glucocerebrosidase. NPJ Parkinson's disease, 10(1), 233.

Malikovi? J, et al. (2024) NECAB1-3, parvalbumin, calbindin, and calretinin in the hippocampus of the European mole. Frontiers in neuroanatomy, 18, 1452722.

Massaro Cenere M, et al. (2024) Systemic inflammation accelerates neurodegeneration in a rat model of Parkinson's disease overexpressing human alpha synuclein. NPJ Parkinson's disease, 10(1), 213.

Santana NNM, et al. (2024) Neuronal Stability, Volumetric Changes, and Decrease in GFAP Expression of Marmoset (Callithrix jacchus) Subcortical Visual Nuclei During Aging. The Journal of comparative neurology, 532(7), e25649.

Riddle A, et al. (2024) Mild neonatal hypoxia disrupts adult hippocampal learning and memory and is associated with CK2-mediated dysregulation of synaptic calcium-activated potassium channel KCNN2. bioRxiv : the preprint server for biology.

Villard J, et al. (2024) Stereological Analysis of the Rhesus Monkey Perirhinal and Parahippocampal Cortices. The Journal of comparative neurology, 532(11), e25684.

Bedolla AM, et al. (2024) A comparative evaluation of the strengths and potential caveats of the microglial inducible CreER mouse models. Cell reports, 43(1), 113660.