

Resource Summary Report

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Neurolucida Explorer

RRID:SCR_017348

Type: Tool

Proper Citation

Neurolucida Explorer (RRID:SCR_017348)

Resource Information

URL: <https://www.mbfbioscience.com/neurolucida-explorer>

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Description: Companion analytical software for Neurolucida and Neurolucida 360, designed to perform extensive morphometric analysis on neuron reconstructions, serial section reconstructions, and brain maps.

Resource Type: software application, software resource, data analytics software

Keywords: Morphometric, analysis, neuron, reconstruction, section, brain, map, mbfbioscience, MBF Bioscience

Resource Name: Neurolucida Explorer

Resource ID: SCR_017348

Record Creation Time: 20220129T080334+0000

Record Last Update: 20260731T043013+0000

Ratings and Alerts

No rating or validation information has been found for Neurolucida Explorer.

No alerts have been found for Neurolucida Explorer.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 103 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Ouellette A, et al. (2025) Evaluation of hippocampal DLGAP2 overexpression on cognition, synaptic function, and dendritic spine structure in a translationally relevant AD mouse model. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 21(10), e70728.

Asari T, et al. (2025) Effects of Acute Probenecid Administration on Histopathological and Functional Outcomes after Spinal Cord Injury in Rats. *Neurotrauma reports*, 6(1), 425.

Webster JM, et al. (2025) Tau, amyloid- β and α -synuclein co-pathologies synergistically enhance neuroinflammation and neuropathology. *bioRxiv : the preprint server for biology*.

Samokhina E, et al. (2025) Potassium homeostasis during disease progression of Alzheimer's disease. *The Journal of physiology*, 603(11), 3405.

Ouellette A, et al. (2025) Evaluation of hippocampal DLGAP2 overexpression on cognition, synaptic function, and dendritic spine structure in a translationally relevant AD mouse model. *bioRxiv : the preprint server for biology*.

Frick MA, et al. (2025) Orexin/Hypocretin Modulates Neuroinflammatory Response to LPS in a Sex and Brain-Region Specific Manner in Young Rats. *Journal of neurochemistry*, 169(8), e70175.

Jiang HH, et al. (2025) Dendritic Morphology of Developing Hippocampal Neurons in Cyp11a1 Null Mice. *Developmental neuroscience*, 47(3), 157.

Kondo H, et al. (2025) Basal Forebrain Projections to the Retrosplenial and Cingulate Cortex in Rats. *The Journal of comparative neurology*, 533(2), e70027.

Egawa R, et al. (2025) Activity-dependent refinement of axonal projections forms one-to-one connection pattern in the developing chick ciliary ganglion. *Frontiers in cellular neuroscience*, 19, 1560402.

McGeachan RI, et al. (2025) Evidence for trans-synaptic propagation of oligomeric tau in human progressive supranuclear palsy. *Nature neuroscience*, 28(8), 1622.

Hintiryan H, et al. (2025) Distinct subnetworks of the mouse anterior thalamic nuclei. *Nature communications*, 16(1), 6018.

Villanueva CB, et al. (2025) Human glial progenitors transplanted into Huntington disease mice normalize neuronal gene expression, dendritic structure, and behavior. *Cell reports*, 44(6), 115762.

Wagner VA, et al. (2025) Astrocytic GABA controls fidelity of temporal cortical processing in Fragile X Syndrome. *Neurobiology of disease*, 219, 107233.

Cano JC, et al. (2025) Newly generated striatal neurons rescue motor circuitry in a Huntington's disease mouse model. *Cell reports*, 44(4), 115440.

Gao Y, et al. (2025) Multimodal analyses reveal genes driving electrophysiological maturation of neurons in the primate prefrontal cortex. *Neuron*, 113(15), 2490.

Fuller-Jackson JP, et al. (2025) A 3D Atlas of Visceral and Somatic Pelvic Motor Neurons in Whole Mounts of Female and Male Rat Spinal Cords. *The Journal of comparative neurology*, 533(11), e70109.

Parishar P, et al. (2024) Changes in the dopaminergic circuitry and adult neurogenesis linked to reinforcement learning in corvids. *Frontiers in neuroscience*, 18, 1359874.

Takács V, et al. (2024) Synaptic and dendritic architecture of different types of hippocampal somatostatin interneurons. *PLoS biology*, 22(3), e3002539.

López-Murillo C, et al. (2024) Differences in vocal brain areas and astrocytes between the house wren and the rufous-tailed hummingbird. *Frontiers in neuroanatomy*, 18, 1339308.

Sutley-Koury SN, et al. (2024) EphB2 Signaling Is Implicated in Astrocyte-Mediated Parvalbumin Inhibitory Synapse Development. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(45).