

# 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>

**Proper Citation:** Neurolucida Explorer (RRID:SCR\_017348)

**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:** data analytics software, software application, software resource

**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:** 20260919T195815+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 116 mentions in open access literature.

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

Hill SF, et al. (2026) Developmental dysregulation of chandelier cell excitability in a mouse model of Dravet Syndrome. *bioRxiv : the preprint server for biology*.

Anjali , et al. (2026) Developmental trajectories of somatostatin-positive interneurons in the human auditory cortex from migration to maturation. *Communications biology*, 9(1).

Qi G, et al. (2026) Transport-related effects on intrinsic and synaptic properties of human cortical neurons: A comparative study. *The Journal of physiology*, 604(5), 2060.

Liebergall SR, et al. (2026) Use-dependent regulation of the axonal action potential in parvalbumin-expressing interneurons. *bioRxiv : the preprint server for biology*.

Hinestroza-Morales S, et al. (2026) Differential morphology and distribution of GFAP astrocytes in vocal brain circuit in a songbird Southern house wren and humans. *Frontiers in neuroanatomy*, 20, 1606172.

Hobby EL, et al. (2026) A Multi-Network Approach Identifies Proteins Related to Dendritic Spines in Alzheimer's Disease. *eNeuro*, 13(4).

Ghosh M, et al. (2026) Propentofylline and Interleukin-4 Modulate Lesion-Associated Myeloid Responses and Improve Functional Recovery After Spinal Cord Injury. *Cells*, 15(7).

Li Z, et al. (2026) Prefrontal Cortex 5-HT<sub>1A</sub> Receptor-Coupled Inwardly Rectifying Potassium Channels Decreased Seizure Susceptibility in Rat Models With Autism Spectrum Disorder. *Neural plasticity*, 2026(1), e4005949.

Razlan AN, et al. (2026) Characterisation of cold-selective lamina I spinal projection neurons in the mouse. *eLife*, 14.

Hasegawa K, et al. (2026) Age-related decline in nuclear envelope LINC complex drives neuronal aging via axon initial segment dysfunction. *EMBO reports*, 27(13), 3788.

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.

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.

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.

Caban Rivera C, et al. (2025) The ventral hippocampus and nucleus accumbens as neural substrates for cocaine contextual memory reconsolidation. *Translational psychiatry*, 16(1), 2.

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.

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

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

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

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