# Resource Summary Report

Generated by NIF on Aug 8, 2026

## MouseLight Neuron Browser

RRID:SCR_016669
Type: Tool

### Proper Citation

MouseLight Neuron Browser (RRID:SCR_016669)

### Resource Information

**URL:** http://ml-neuronbrowser.janelia.org/

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**Description:** Interactive web platform for anyone to explore, search, filter and visualize the single neuron reconstructions.

**Synonyms:** Neuron Browser, NeuronBrowser, MouseLight Neuron Browser

**Resource Type:** web application, software resource

**Keywords:** explore, search, filter, visualize, single, neuron, reconstruction, mouse, brain

**Availability:** Free, Freely available, Tutorial available, Acknowledgement required

**Resource Name:** MouseLight Neuron Browser

**Resource ID:** SCR_016669

**Alternate URLs:** http://mouselight.janelia.org/

**Record Creation Time:** 20220129T080331+0000

**Record Last Update:** 20260807T042856+0000

### Ratings and Alerts

No rating or validation information has been found for MouseLight Neuron Browser.

No alerts have been found for MouseLight Neuron Browser.

### Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 31 mentions in open access literature.

**Listed below are recent publications.** The full list is available at NIF .


Bhandiwad AA, et al. (2026) A curvilinear coordinate flatmap for visualizing hippocampal structure and development. bioRxiv : the preprint server for biology.

Wang Q, et al. (2026) Genoarchitecture and input-output organization of the mouse basal ganglia and thalamic parafascicular nucleus. Nature neuroscience, 29(5), 1248.

Thompson WS, et al. (2026) Motor cortex directly excites the substantia nigra pars reticulata, the basal ganglia output nucleus. Nature communications, 17(1).

Reimann MW, et al. (2026) Modeling and simulation of neocortical micro- and mesocircuitry (Part I, anatomy). eLife, 13.

Banerjee S, et al. (2025) Skeletonization of neuronal processes using Discrete Morse techniques from computational topology. ArXiv.

Liu L, et al. (2025) Connectivity of single neurons classifies cell subtypes in mouse brains. Nature methods, 22(4), 861.

Kinman AI, et al. (2025) Atypical hippocampal excitatory neurons express and govern object memory. Nature communications, 16(1), 1195.

Wheeler DW, et al. (2025) A novel method for clustering cellular data to improve classification. Neural regeneration research, 20(9), 2697.

Banerjee S, et al. (2025) Skeletonization of neuronal processes using Discrete Morse techniques from computational topology. Research square.

Banerjee S, et al. (2025) Skeletonization of neuronal processes using Discrete Morse techniques from computational topology. bioRxiv : the preprint server for biology.

Wang Y, et al. (2025) Integrated Classification of Cortical Cells and Quantitative Projectomic Mapping Unveil Organizational Principles of Brain-Wide Connectomes at Single Cell Level. bioRxiv : the preprint server for biology.

B??sz E, et al. (2025) A cortico-subcortical loop for motor control via the pontine reticular formation. Cell reports, 44(2), 115230.

Timonidis N, et al. (2024) Analyzing Thalamocortical Tract-Tracing Experiments in a Common Reference Space. Neuroinformatics, 22(1), 23.

Wheeler DW, et al. (2024) Unsupervised classification of brain-wide axons reveals the presubiculum neuronal projection blueprint. Nature communications, 15(1), 1555.

Yang L, et al. (2024) Projection-TAGs enable multiplex projection tracing and multi-modal profiling of projection neurons. bioRxiv : the preprint server for biology.

Wheeler DW, et al. (2024) A Novel Method for Clustering Cellular Data to Improve Classification. ArXiv.

Athey TL, et al. (2024) Preserving Derivative Information while Transforming Neuronal Curves. Neuroinformatics, 22(1), 63.

Yang W, et al. (2023) Structural and functional map for forelimb movement phases between cortex and medulla. Cell, 186(1), 162.

Zhu J, et al. (2023) Activity map of a cortico-cerebellar loop underlying motor planning. Nature neuroscience, 26(11), 1916.

Iavarone E, et al. (2023) Thalamic control of sensory processing and spindles in a biophysical somatosensory thalamoreticular circuit model of wakefulness and sleep. Cell reports, 42(3), 112200.