Resource Summary Report

Generated by RRID on Apr 8, 2025

MouseLight Neuron Browser

RRID:SCR_016669
Type: Tool

Proper Citation

MouseLight Neuron Browser (RRID:SCR_016669)

Resource Information

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

Proper Citation: MouseLight Neuron Browser (RRID:SCR_016669)

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

Funding:

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: 20250407T220339+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 18 mentions in open access literature.

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

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

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

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.

Radzicki D, et al. (2023) Morphological and molecular markers of mouse area CA2 along the proximodistal and dorsoventral hippocampal axes. Hippocampus, 33(3), 133.

Liang Z, et al. (2023) Using mesoscopic tract-tracing data to guide the estimation of fiber orientation distributions in the mouse brain from diffusion MRI. NeuroImage, 270, 119999.

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.

Im S, et al. (2022) Corticocortical innervation subtypes of layer 5 intratelencephalic cells in the murine secondary motor cortex. Cerebral cortex (New York, N.Y. : 1991), 33(1), 50.

Gong R, et al. (2020) Hindbrain Double-Negative Feedback Mediates Palatability-Guided Food and Water Consumption. Cell, 182(6), 1589.

Liu Y, et al. (2020) Viral vectors for neuronal cell type-specific visualization and manipulations. Current opinion in neurobiology, 63, 67.

Gleeson P, et al. (2019) Open Source Brain: A Collaborative Resource for Visualizing, Analyzing, Simulating, and Developing Standardized Models of Neurons and Circuits. Neuron, 103(3), 395.

Morita K, et al. (2019) Differential Striatal Axonal Arborizations of the Intratelencephalic and Pyramidal-Tract Neurons: Analysis of the Data in the MouseLight Database. Frontiers in neural circuits, 13, 71.

Phillips JW, et al. (2019) A repeated molecular architecture across thalamic pathways. Nature neuroscience, 22(11), 1925.

Bloss EB, et al. (2019) Revealing the Synaptic Hodology of Mammalian Neural Circuits With Multiscale Neurocartography. Frontiers in neuroinformatics, 13, 52.

Winnubst J, et al. (2019) Reconstruction of 1,000 Projection Neurons Reveals New Cell Types and Organization of Long-Range Connectivity in the Mouse Brain. Cell, 179(1), 268.

Cembrowski MS, et al. (2018) Dissociable Structural and Functional Hippocampal Outputs via Distinct Subiculum Cell Classes. Cell, 173(5), 1280.