Resource Summary Report

Generated by nidm-terms on Sep 23, 2026

MouseLight Project

RRID:SCR_016668
Type: Tool

Proper Citation

MouseLight Project (RRID:SCR_016668)

Resource Information

URL: https://www.janelia.org/project-team/mouselight

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Description: Software imaging platform to generate datasets of whole mouse brains imaged at submicron resolution that allow reconstructions of complete axonal arbors of individual neurons across the entire mouse brain.

Synonyms: MouseLight, The Mouse Light Project, Janelia MouseLight project, Mouse Light Project, Mouse Light, MouseLight Project

Resource Type: analysis service resource, data access protocol, data analysis service, data or information resource, database, portal, production service resource, service resource, software resource, web service

Keywords: neuronal, reconstruction, connectomics, projectomics, brain, tissue, image, dataset, mouse, axonal, arbor, individual, neuron

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

Resource Name: MouseLight Project

Resource ID: SCR_016668

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

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Record Creation Time: 20220129T080331+0000

Record Last Update: 20260919T195327+0000

Ratings and Alerts

No rating or validation information has been found for MouseLight Project.

No alerts have been found for MouseLight Project.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

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

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

Jiang Y, et al. (2025) Contrastive learning-driven framework for neuron morphology classification. Scientific reports, 15(1), 27752.

Sun C, et al. (2024) Multi-gate Weighted Fusion Network for neuronal morphology classification. Frontiers in neuroscience, 18, 1322623.

Bolaños-Puchet S, et al. (2024) Enhancement of brain atlases with laminar coordinate systems: Flatmaps and barrel column annotations. Imaging neuroscience (Cambridge, Mass.), 2.

Cavarretta F, et al. (2023) Modeling Synaptic Integration of Bursty and ? Oscillatory Inputs in Ventromedial Motor Thalamic Neurons in Normal and Parkinsonian States. eNeuro, 10(12).

Gandolfi D, et al. (2023) Full-scale scaffold model of the human hippocampus CA1 area. Nature computational science, 3(3), 264.

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.

Gandolfi D, et al. (2022) A realistic morpho-anatomical connection strategy for modelling full-scale point-neuron microcircuits. Scientific reports, 12(1), 13864.

Etemadi L, et al. (2022) Remote cortical perturbation dynamically changes the network solutions to given tactile inputs in neocortical neurons. iScience, 25(1), 103557.

Bichler EK, et al. (2021) Changes in Excitability Properties of Ventromedial Motor Thalamic Neurons in 6-OHDA Lesioned Mice. eNeuro, 8(1).

Ascoli GA, et al. (2021) Farewell, Neuroinformatics! Neuroinformatics, 19(4), 551.