Resource Summary Report

Generated by NIF on Apr 23, 2025

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

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

Funding:

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: 20250423T060929+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 6 mentions in open access literature.

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

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

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).

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.

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.