

Resource Summary Report

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MIES

RRID:SCR_016443

Type: Tool

Proper Citation

MIES (RRID:SCR_016443)

Resource Information

URL: <https://github.com/AllenInstitute/MIES>

Proper Citation: MIES (RRID:SCR_016443)

Description: Software for Electrophysiology functions. It was developed by the Allen Institute.

Synonyms: Multichannel Igor Electrophysiology Suite, MIES - Multichannel Igor Electrophysiology Suite, MIES: Multichannel Igor Electrophysiology Suite, Multichannel Igor Electrophysiology Suite (MIES)

Resource Type: software resource, software application

Keywords: eeg, neuroscience, neuroimaging, channel, neuroanatomy, electricity

Availability: Free, Available for download

Resource Name: MIES

Resource ID: SCR_016443

License: 2-clause BSD license

Record Creation Time: 20220129T080330+0000

Record Last Update: 20260813T055131+0000

Ratings and Alerts

No rating or validation information has been found for MIES.

No alerts have been found for MIES.

Data and Source Information

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Su Z, et al. (2026) Topographic structure and function of locus coeruleus norepinephrine neurons. bioRxiv : the preprint server for biology.

Lakunina AA, et al. (2026) Neuropixels Opto: combining high-resolution electrophysiology and optogenetics. Nature methods, 23(6), 1207.

Liu XP, et al. (2026) Morphoelectric Diversity and Specialization of Neuronal Cell Types in the Primate Striatum. bioRxiv : the preprint server for biology.

Radaelli C, et al. (2026) HCN channels reveal conserved and divergent physiology in supragranular pyramidal neurons in primate species. Communications biology, 9(1), 279.

Hunker AC, et al. (2025) Enhancer AAV toolbox for accessing and perturbing striatal cell types and circuits. Neuron, 113(10), 1507.

Lee SY, et al. (2024) Cell-class-specific electric field entrainment of neural activity. Neuron, 112(15), 2614.

Ting JT, et al. (2024) Distinctive physiology of molecularly identified medium spiny neurons in the macaque putamen. Cell reports, 43(11), 114963.

Hunker AC, et al. (2024) Enhancer AAV toolbox for accessing and perturbing striatal cell types and circuits. bioRxiv : the preprint server for biology.

Mertens EJ, et al. (2024) Morpho-electric diversity of human hippocampal CA1 pyramidal neurons. Cell reports, 43(4), 114100.

Kim MH, et al. (2023) Target cell-specific synaptic dynamics of excitatory to inhibitory neuron connections in supragranular layers of human neocortex. eLife, 12.

Driessens SLW, et al. (2023) Genes associated with cognitive ability and HAR show overlapping expression patterns in human cortical neuron types. Nature communications, 14(1), 4188.

Lee SY, et al. (2023) Cell class-specific electric field entrainment of neural activity. bioRxiv : the preprint server for biology.

Sorensen SA, et al. (2023) Connecting single-cell transcriptomes to projectomes in mouse visual cortex. bioRxiv : the preprint server for biology.

Hage TA, et al. (2022) Synaptic connectivity to L2/3 of primary visual cortex measured by two-photon optogenetic stimulation. eLife, 11.

Bakken TE, et al. (2021) Comparative cellular analysis of motor cortex in human, marmoset and mouse. *Nature*, 598(7879), 111.

Dudok B, et al. (2021) Alternating sources of perisomatic inhibition during behavior. *Neuron*, 109(6), 997.

Lee BR, et al. (2021) Scaled, high fidelity electrophysiological, morphological, and transcriptomic cell characterization. *eLife*, 10.

Berg J, et al. (2021) Human neocortical expansion involves glutamatergic neuron diversification. *Nature*, 598(7879), 151.

Kalmbach BE, et al. (2021) Signature morpho-electric, transcriptomic, and dendritic properties of human layer 5 neocortical pyramidal neurons. *Neuron*, 109(18), 2914.

Gouwens NW, et al. (2020) Integrated Morphoelectric and Transcriptomic Classification of Cortical GABAergic Cells. *Cell*, 183(4), 935.