Resource Summary Report

Generated by dkNET on Apr 23, 2025

neurodata

RRID:SCR_014264
Type: Tool

Proper Citation

neurodata (RRID:SCR_014264)

Resource Information

URL: http://neurodata.io/

Proper Citation: neurodata (RRID:SCR_014264)

Description: Project portal dedicated to understand animal and machine intelligence and repository of data and tools. Suite of tools to analyze and graph imaging data. Image and data repository for large, publicly available neuro-specific data files and images. Contains tools for analytics, databases, cloud computing, and Web-services applied to both big neuroimages and big neurographs.

Resource Type: data repository, storage service resource, portal, image repository, software resource, service resource, data or information resource, project portal

Keywords: neuroscience, neuroimage, graph explorer, data repository, johns hopkins university, BRAIN Initiative, FASEB list

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NIDA R01 DA036400;
NIBIB R01 EB016411;
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NSF ACI-1261715;
NSF OCI-1040114;
DARPA

Availability: Free, Freely available

Resource Name: neurodata

Resource ID: SCR_014264

Alternate URLs: https://neurodata.io/tools/

License URLs: CC 3.0

Record Creation Time: 20220129T080319+0000

Record Last Update: 20250423T060756+0000

Ratings and Alerts

No rating or validation information has been found for neurodata.

No alerts have been found for neurodata.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 90 mentions in open access literature.

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

Köhler CA, et al. (2024) Facilitating the Sharing of Electrophysiology Data Analysis Results Through In-Depth Provenance Capture. eNeuro, 11(6).

Meyer-Baese L, et al. (2024) Cortical Networks Relating to Arousal Are Differentially Coupled to Neural Activity and Hemodynamics. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(25).

Hulsey D, et al. (2024) Decision-making dynamics are predicted by arousal and uninstructed movements. Cell reports, 43(2), 113709.

Sprague DY, et al. (2024) Unifying community-wide whole-brain imaging datasets enables robust automated neuron identification and reveals determinants of neuron positioning in C. elegans. 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.

Walling SG, et al. (2023) Sprague-Dawley Rats Differ in Responses to Medial Perforant Path Paired Pulse and Tetanic Activation as a Function of Sex and Age. eNeuro, 10(7).

Wyrick DG, et al. (2023) Differential encoding of temporal context and expectation under representational drift across hierarchically connected areas. bioRxiv : the preprint server for

biology.

Sadeghi M, et al. (2023) Localization and Registration of 2D Histological Mouse Brain Images in 3D Atlas Space. Neuroinformatics, 21(3), 615.

Duncan D, et al. (2023) Data Archive for the BRAIN Initiative (DABI). Scientific data, 10(1), 83.

Kuramoto E, et al. (2022) Local Connections of Pyramidal Neurons to Parvalbumin-Producing Interneurons in Motor-Associated Cortical Areas of Mice. eNeuro, 9(1).

Rübel O, et al. (2022) The Neurodata Without Borders ecosystem for neurophysiological data science. eLife, 11.

Kievits AJ, et al. (2022) How innovations in methodology offer new prospects for volume electron microscopy. Journal of microscopy, 287(3), 114.

Dard RF, et al. (2022) The rapid developmental rise of somatic inhibition disengages hippocampal dynamics from self-motion. eLife, 11.

Wildenberg GA, et al. (2021) Primate neuronal connections are sparse in cortex as compared to mouse. Cell reports, 36(11), 109709.

Song A, et al. (2021) Neural anatomy and optical microscopy (NAOMi) simulation for evaluating calcium imaging methods. Journal of neuroscience methods, 358, 109173.

Muñoz-Castañeda R, et al. (2021) Cellular anatomy of the mouse primary motor cortex. Nature, 598(7879), 159.

Awwad B, et al. (2020) Synaptic Recruitment Enhances Gap Termination Responses in Auditory Cortex. Cerebral cortex (New York, N.Y. : 1991), 30(8), 4465.

Korotkov A, et al. (2020) microRNA-132 is overexpressed in glia in temporal lobe epilepsy and reduces the expression of pro-epileptogenic factors in human cultured astrocytes. Glia, 68(1), 60.

Chellappa K, et al. (2019) The leptin sensitizer celastrol reduces age-associated obesity and modulates behavioral rhythms. Aging cell, 18(3), e12874.

Feldman-Goriachnik R, et al. (2018) Cholinergic responses of satellite glial cells in the superior cervical ganglia. Neuroscience letters, 671, 19.