Resource Summary Report

Generated by NIF on May 3, 2025

CRCNS

RRID:SCR 005608

Type: Tool

Proper Citation

CRCNS (RRID:SCR_005608)

Resource Information

URL: http://crcns.org

Proper Citation: CRCNS (RRID:SCR_005608)

Description: Website for brain experimental data and other resources such as stimuli and analysis tools. Provides marketplace and discussion forum for sharing tools and data in neuroscience. Data repository and collaborative tool that supports integration of theoretical and experimental neuroscience through collaborative research projects. CRCNS offers funding for new class of proposals focused on data sharing and other resources.

Abbreviations: CRCNS

Synonyms: CRCNS Data sharing, Collaborative Research in Computational Neuroscience - Data sharing, Collaborative Research in Computational Neuroscience, CRCNS - Data sharing

Resource Type: storage service resource, data repository, service resource, funding resource, data or information resource, collaborative tool

Defining Citation: PMID:18259695

Keywords: collaborative research, data sharing, computational model, brain, computational neuroscience, data set, FASEB list

Funding: NIH; NSF IIS-0749049; NSF 0636838

Availability: Free, Freely available

Resource Name: CRCNS

Resource ID: SCR_005608

Alternate IDs: nif-0000-00255

Alternate URLs: https://api.datacite.org/dois?prefix=10.6080

License: GNU General Public License

Record Creation Time: 20220129T080231+0000

Record Last Update: 20250503T055754+0000

Ratings and Alerts

No rating or validation information has been found for CRCNS.

No alerts have been found for CRCNS.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 115 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

Gardères PM, et al. (2024) Coexistence of state, choice, and sensory integration coding in barrel cortex LII/III. Nature communications, 15(1), 4782.

Gonzalez J, et al. (2024) Communication subspace dynamics of the canonical olfactory pathway. iScience, 27(12), 111275.

Santiago RMM, et al. (2024) Waveform-based classification of dentate spikes. Scientific reports, 14(1), 2989.

Rançon U, et al. (2024) A general model unifying the adaptive, transient and sustained properties of ON and OFF auditory neural responses. PLoS computational biology, 20(8), e1012288.

Maggi S, et al. (2024) Tracking subjects' strategies in behavioural choice experiments at trial resolution. eLife, 13.

Lazarevich I, et al. (2023) Spikebench: An open benchmark for spike train time-series classification. PLoS computational biology, 19(1), e1010792.

Colins Rodriguez A, et al. (2023) Motor cortex latent dynamics encode arm movement direction and urgency independently. bioRxiv: the preprint server for biology.

Robotka H, et al. (2023) Sparse ensemble neural code for a complete vocal repertoire. Cell reports, 42(2), 112034.

Subash P, et al. (2023) A comparison of neuroelectrophysiology databases. Scientific data, 10(1), 719.

Santiago RMM, et al. (2023) Waveform-based classification of dentate spikes. bioRxiv: the preprint server for biology.

Gonzalez J, et al. (2023) Mechanisms and functions of respiration-driven gamma oscillations in the primary olfactory cortex. eLife, 12.

Zhu RJB, et al. (2023) Unsupervised approach to decomposing neural tuning variability. Nature communications, 14(1), 2298.

Modi B, et al. (2023) State-dependent coupling of hippocampal oscillations. eLife, 12.

Pakravan M, et al. (2022) Coordinated multivoxel coding beyond univariate effects is not likely to be observable in fMRI data. NeuroImage, 247, 118825.

Chae S, et al. (2022) Investigation of Neural Substrates of Erroneous Behavior in a Delayed-Response Task. eNeuro, 9(2).

Oberto VJ, et al. (2022) Distributed cell assemblies spanning prefrontal cortex and striatum. Current biology: CB, 32(1), 1.

Berners-Lee A, et al. (2022) Hippocampal replays appear after a single experience and incorporate greater detail with more experience. Neuron, 110(11), 1829.

Johnston R, et al. (2022) EEG Signals Index a Global Signature of Arousal Embedded in Neuronal Population Recordings. eNeuro, 9(3).

Vich C, et al. (2022) Identifying control ensembles for information processing within the cortico-basal ganglia-thalamic circuit. PLoS computational biology, 18(6), e1010255.

Strickland JA, et al. (2022) Brainstem networks construct threat probability and prediction error from neuronal building blocks. Nature communications, 13(1), 6192.