

Resource Summary Report

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

Defining Citation: [PMID:18259695](#)

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

Funding: NIH ;
NSF 0636838;
NSF IIS-0749049

Availability: Free, Freely available

Resource Name: CRCNS

Resource ID: SCR_005608

Alternate IDs: nif-0000-00255, r3d100011269

Alternate URLs: <https://api.datacite.org/doi?prefix=10.6080>,
<https://doi.org/10.17616/R31S7P>

License: GNU General Public License

Record Creation Time: 20220129T080231+0000

Record Last Update: 20260821T193736+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 123 mentions in open access literature.

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

Cai D, et al. (2025) Encoding of interdependent features of head direction and angular head velocity in navigation. PNAS nexus, 4(10), pgaf320.

Lopes PH, et al. (2025) Speed encoding in the rat striatum. PloS one, 20(10), e0334601.

Zhang W, et al. (2025) Evaluating Place Cell Detection Methods in Rats and Humans - Implications for Cross-Species Spatial Coding: Place Cell Detection and Cross-Species Spatial Coding. bioRxiv : the preprint server for biology.

Rançon U, et al. (2025) Temporal recurrence as a general mechanism to explain neural responses in the auditory system. Communications biology, 8(1), 1456.

Ardelean ER, et al. (2025) A Study of Non-Linear Manifold Feature Extraction in Spike Sorting. Neuroinformatics, 23(4), 48.

Scheffer-Teixeira R, et al. (2025) On CA1 ripple oscillations in rats and the reassessment of asynchronicity evidence. eLife, 14.

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

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

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.

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

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

Subash P, et al. (2023) A Comparison of Neuroelectrophysiology Databases. ArXiv.

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

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