

Resource Summary Report

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[Neurodatabase.org](http://neurodatabase.org)

RRID:SCR_007091

Type: Tool

Proper Citation

Neurodatabase.org (RRID:SCR_007091)

Resource Information

URL: <http://neurodatabase.org>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented on June 09, 2015. A repository of neurophysiology data conforming to BrainML data models and protocols: BrainML-formatted experimental data submissions are published in searchable, browsable form. Registered users may submit new experiments. The site contains spike trains, voltage time series, and some derived histograms from single cell and multi-unit activity. The database focuses on in vivo somatosensory and visual activity during task performance. This resource contains only a few datasets, but they are of high quality and have been used for reanalysis by several parties. There are three primary interfaces for querying data from this repository: a web-based browse interface, a web-based HTML query form, and a Java web start desktop application. In addition, there is an XML interface useful for direct access by software clients. To download the source code, please read and acknowledge the license agreement.

Synonyms: Neurodatabase.org: Laboratory of Neuroinformatics Weill Medical College, Neurodatabase, neurodatabase.org Laboratory of Neuroinformatics Weill Medical College of Cornell University, LNI: neurodatabase.org

Resource Type: data or information resource, data repository, database, service resource, storage service resource

Keywords: neurophysiology, source code, spike train, voltage time series, histogram, single cell, multi-unit, in vivo, somatosensory, visual, task, data set

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Neurodatabase.org

Resource ID: SCR_007091

Alternate IDs: nif-0000-00001

Alternate URLs: <http://neurodatabase.org/dataserver/goto.do?page=.home>

Record Creation Time: 20220129T080239+0000

Record Last Update: 20260821T193801+0000

Ratings and Alerts

No rating or validation information has been found for Neurodatabase.org.

No alerts have been found for Neurodatabase.org.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Martone ME, et al. (2023) The past, present and future of neuroscience data sharing: a perspective on the state of practices and infrastructure for FAIR. *Frontiers in neuroinformatics*, 17, 1276407.

Smith LS, et al. (2015) Why sharing matters for electrophysiological data analysis. *Brain research bulletin*, 119(Pt B), 145.

Teeters JL, et al. (2015) Neurodata Without Borders: Creating a Common Data Format for Neurophysiology. *Neuron*, 88(4), 629.

Kreuz T, et al. (2011) Time-resolved and time-scale adaptive measures of spike train synchrony. *Journal of neuroscience methods*, 195(1), 92.

Chicharro D, et al. (2011) What can spike train distances tell us about the neural code? *Journal of neuroscience methods*, 199(1), 146.

Bollimunta A, et al. (2007) Trial-by-trial estimation of amplitude and latency variability in neuronal spike trains. *Journal of neuroscience methods*, 160(1), 163.

Genovesio A, et al. (2007) MatOFF: a tool for analyzing behaviorally complex neurophysiological experiments. *Journal of neuroscience methods*, 165(1), 38.