

Resource Summary Report

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OpenElectrophy

RRID:SCR_000819

Type: Tool

Proper Citation

OpenElectrophy (RRID:SCR_000819)

Resource Information

URL: <http://neuralensemble.org/trac/OpenElectrophy>

Proper Citation: OpenElectrophy (RRID:SCR_000819)

Description: Software Python module for electrophysiology data analysis.

Abbreviations: OpenElectrophy

Resource Type: data analysis software, data processing software, software application, software resource

Defining Citation: [PMID:19521545](#)

Keywords: neurophysiology, electrophysiology, python, intracellular, extracellular, data sharing, analysis sharing, neural signal, spike, oscillation, mysql, eeg, meg, electrocorticography

Funding: NIBIB 5R24EB029173

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: OpenElectrophy

Resource ID: SCR_000819

Alternate IDs: nlx_151873

Alternate URLs: <http://www.nitrc.org/projects/openelectrophy>,
<https://sources.debian.org/src/openelectrophy/>

License: GPL-Style Open unspecified license

Record Creation Time: 20220129T080203+0000

Record Last Update: 20260919T194931+0000

Ratings and Alerts

No rating or validation information has been found for OpenElectrophy.

No alerts have been found for OpenElectrophy.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Niewiadomska-Cimicka A, et al. (2021) SCA7 Mouse Cerebellar Pathology Reveals Preferential Downregulation of Key Purkinje Cell-Identity Genes and Shared Disease Signature with SCA1 and SCA2. The Journal of neuroscience : the official journal of the Society for Neuroscience, 41(22), 4910.

??zcan OO, et al. (2020) Differential Coding Strategies in Glutamatergic and GABAergic Neurons in the Medial Cerebellar Nucleus. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(1), 159.

Grangeray-Vilmint A, et al. (2018) Short-Term Plasticity Combines with Excitation-Inhibition Balance to Expand Cerebellar Purkinje Cell Dynamic Range. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(22), 5153.

Chelminski Y, et al. (2017) Odor-Induced Neuronal Rhythms in the Olfactory Bulb Are Profoundly Modified in ob/ob Obese Mice. Frontiers in physiology, 8, 2.

Senova S, et al. (2017) Experimental assessment of the safety and potential efficacy of high irradiance photostimulation of brain tissues. Scientific reports, 7, 43997.

Briffaud V, et al. (2012) The relationship between respiration-related membrane potential slow oscillations and discharge patterns in mitral/tufted cells: what are the rules? PloS one, 7(8), e43964.

Martin C, et al. (2012) Alteration of sensory-evoked metabolic and oscillatory activities in the olfactory bulb of GLAST-deficient mice. Frontiers in neural circuits, 6, 1.

Esclassan F, et al. (2012) Faster, deeper, better: the impact of sniffing modulation on bulbar olfactory processing. PloS one, 7(7), e40927.

Hegoburu C, et al. (2011) The RUB Cage: Respiration-Ultrasonic Vocalizations-Behavior Acquisition Setup for Assessing Emotional Memory in Rats. Frontiers in behavioral neuroscience, 5, 25.

Garcia S, et al. (2009) OpenElectrophy: An Electrophysiological Data- and Analysis-Sharing Framework. Frontiers in neuroinformatics, 3, 14.