

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 8, 2026

## OpenElectrophy

RRID:SCR\_000819

Type: Tool

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### Proper Citation

OpenElectrophy (RRID:SCR\_000819)

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### 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:** 20260905T132426+0000

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## Ratings and Alerts

No rating or validation information has been found for OpenElectrophy.

No alerts have been found for OpenElectrophy.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 10 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

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.

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

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.

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.