Resource Summary Report

Generated by NIF on Apr 17, 2025

NeuroScope

RRID:SCR_002455

Type: Tool

Proper Citation

NeuroScope (RRID:SCR_002455)

Resource Information

URL: http://www.nitrc.org/projects/neuroscope/

Proper Citation: NeuroScope (RRID:SCR_002455)

Description: An advanced viewer for electrophysiological and behavioral data: it can display local field potentials (EEG), neuronal spikes, behavioral events, as well as the position of the animal in the environment. It also features limited editing capabilities.

Abbreviations: NeuroScope

Resource Type: data processing software, software resource, data visualization software,

software application

Defining Citation: PMID:16580733

Keywords: eeg, meg, electrocorticography, behavior, neuronal spike, behavioral event, edit

Funding:

Availability: GNU General Public License

Resource Name: NeuroScope

Resource ID: SCR_002455

Alternate IDs: nlx_155828

Record Creation Time: 20220129T080213+0000

Record Last Update: 20250417T065110+0000

Ratings and Alerts

No rating or validation information has been found for NeuroScope.

No alerts have been found for NeuroScope.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 75 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Wisniewski DJ, et al. (2025) Spatial control of doping in conducting polymers enables complementary, conformable, implantable internal ion-gated organic electrochemical transistors. Nature communications, 16(1), 517.

Miranda M, et al. (2024) Retrieval of contextual memory can be predicted by CA3 remapping and is differentially influenced by NMDAR activity in rat hippocampus subregions. PLoS biology, 22(7), e3002706.

Dubanet O, et al. (2024) Retrosplenial inputs drive visual representations in the medial entorhinal cortex. Cell reports, 43(7), 114470.

González-Pereyra P, et al. (2024) Preconfigured cortico-thalamic neural dynamics constrain movement-associated thalamic activity. Nature communications, 15(1), 10185.

Dahal P, et al. (2023) Hippocampal-cortical coupling differentiates long-term memory processes. Proceedings of the National Academy of Sciences of the United States of America, 120(7), e2207909120.

Labouesse M, et al. (2023) A non-canonical striatopallidal "Go" pathway that supports motor control. Research square.

Malagon-Vina H, et al. (2023) Firing patterns of ventral hippocampal neurons predict the exploration of anxiogenic locations. eLife, 12.

Arendt Nielsen T, et al. (2023) Adynamic response to cold pain reflects dysautonomia in type 1 diabetes and polyneuropathy. Scientific reports, 13(1), 11318.

Soma S, et al. (2023) Rat hippocampal CA1 region represents learning-related action and reward events with shorter latency than the lateral entorhinal cortex. Communications biology, 6(1), 584.

Labouesse MA, et al. (2023) A non-canonical striatopallidal Go pathway that supports motor control. Nature communications, 14(1), 6712.

Wang H, et al. (2023) The laterodorsal tegmentum-ventral tegmental area circuit controls depression-like behaviors by activating ErbB4 in DA neurons. Molecular psychiatry, 28(3), 1027.

Li Q, et al. (2023) Reinstating olfactory bulb-derived limbic gamma oscillations alleviates depression-like behavioral deficits in rodents. Neuron, 111(13), 2065.

Shao S, et al. (2023) Ventral hippocampal CA1 modulates pain behaviors in mice with peripheral inflammation. Cell reports, 42(1), 112017.

Hassan AR, et al. (2022) Translational Organic Neural Interface Devices at Single Neuron Resolution. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 9(27), e2202306.

Luma AY, et al. (2022) The Central Medial Thalamic Nucleus Facilitates Bilateral Movement Execution in Rats. Neuroscience, 499, 118.

Pimentel-Farfan AK, et al. (2022) Cortico-striatal circuits for bilaterally coordinated movements. Science advances, 8(9), eabk2241.

Karalis N, et al. (2022) Breathing coordinates cortico-hippocampal dynamics in mice during offline states. Nature communications, 13(1), 467.

Gao F, et al. (2022) A non-canonical retina-ipRGCs-SCN-PVT visual pathway for mediating contagious itch behavior. Cell reports, 41(1), 111444.

Martinez MC, et al. (2022) Dorsal striatum coding for the timely execution of action sequences. eLife, 11.

Chohan MO, et al. (2022) Developmental impact of glutamate transporter overexpression on dopaminergic neuron activity and stereotypic behavior. Molecular psychiatry, 27(3), 1515.