

Resource Summary Report

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NeuroScope

RRID:SCR_002455

Type: Tool

Proper Citation

NeuroScope (RRID:SCR_002455)

Resource Information

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

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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: software resource, software application, data visualization software, data processing software

Defining Citation: [PMID:16580733](#)

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

Availability: Free, Freely available

Resource Name: NeuroScope

Resource ID: SCR_002455

Alternate IDs: nlx_155828

License: GNU General Public License

Record Creation Time: 20220129T080213+0000

Record Last Update: 20260808T185750+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 88 mentions in open access literature.

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

Soma S, et al. (2026) Hierarchical Distribution of Reward Representation in the Cortical and Hippocampal Regions. eNeuro, 13(2).

Bueno-Junior LS, et al. (2026) Learning and Motivation State Fluctuations from Motoric and Neurophysiologic Metrics during a Somatosensory Task in Mice. eNeuro, 13(5).

Földi T, et al. (2026) Non-vectorial integration of intersectional short-pulse stimulation enables enhanced deep brain modulation and effective seizure control. Communications medicine, 6(1).

Wang J, et al. (2025) Cell-type-specific networks during hippocampal seizures at the micro- and macroscale. Brain : a journal of neurology, 148(10), 3592.

Boys AJ, et al. (2025) Implantable bioelectronics for gut electrophysiology. Nature communications, 16(1), 10240.

Pompili MN, et al. (2025) Adaptive communication between cell assemblies and "reader" neurons shapes flexible brain dynamics. PLoS biology, 23(12), e3003505.

Pompili MN, et al. (2025) Ventral Hippocampus Modulates Prefrontal Control of Background Contextual Fear After Cued Extinction. The European journal of neuroscience, 62(8), e70287.

Isaacson M, et al. (2025) MouseGoggles: an immersive virtual reality headset for mouse neuroscience and behavior. Nature methods, 22(2), 380.

Ferrero JJ, et al. (2025) Closed-loop electrical stimulation prevents focal epilepsy progression and long-term memory impairment. Nature neuroscience, 28(8), 1753.

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.

Rios A, et al. (2025) Modulation of Hippocampal Sharp-Wave Ripples by Behavioral States and Body Movements in Head-Fixed Rodents. eNeuro, 12(7).

Louie S, et al. (2025) Contorted acene ribbons for stable and ultrasensitive neural probes. *Science advances*, 11(14), eadu2356.

Chouvaeff M, et al. (2025) A top-down control of stress-induced REM sleep shortening. *Current biology : CB*, 35(17), 4151.

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.

Aizawa H, et al. (2024) Potassium Release From the Habenular Astrocytes Induces Depressive-Like Behaviors in Mice. *Glia*.

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 angiogenic locations. *eLife*, 12.