

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

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: 20260801T190207+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 85 mentions in open access literature.

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

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.

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

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.

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.

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

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 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.

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

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.