

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

MountainSort

RRID:SCR_017446

Type: Tool

Proper Citation

MountainSort (RRID:SCR_017446)

Resource Information

URL: <https://github.com/flatironinstitute/mountainsort>

Proper Citation: MountainSort (RRID:SCR_017446)

Description: Neurophysiological spike sorting software.

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

Keywords: Neurophysiological, spike, sorting, BRAIN Initiative

Funding: NINDS NS090537

Availability: Free, Available for download, Freely available

Resource Name: MountainSort

Resource ID: SCR_017446

Record Creation Time: 20220129T080335+0000

Record Last Update: 20260808T190322+0000

Ratings and Alerts

No rating or validation information has been found for MountainSort.

No alerts have been found for MountainSort.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Varani AP, et al. (2026) Multiple functions of cerebello-thalamic neurons in learning and offline consolidation of a motor skill in mice. *eLife*, 13.

Lin Z, et al. (2025) Spike sorting AI agent. *bioRxiv* : the preprint server for biology.

Li C, et al. (2025) Probabilistically constrained vector summation of motion direction in the mouse superior colliculus. *Current biology* : CB, 35(4), 723.

van der Goes MH, et al. (2024) Coordinated head direction representations in mouse anterodorsal thalamic nucleus and retrosplenial cortex. *eLife*, 13.

Symanski CA, et al. (2022) Rhythmic coordination and ensemble dynamics in the hippocampal-prefrontal network during odor-place associative memory and decision making. *eLife*, 11.

Widloski J, et al. (2022) Flexible rerouting of hippocampal replay sequences around changing barriers in the absence of global place field remapping. *Neuron*, 110(9), 1547.

Skyberg R, et al. (2022) Coarse-to-fine processing drives the efficient coding of natural scenes in mouse visual cortex. *Cell reports*, 38(13), 110606.

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

Tanabe S, et al. (2022) Strong tuning for stereoscopic depth indicates orientation-specific recurrent circuitry in tree shrew V1. *Current biology* : CB, 32(24), 5274.

Khanna P, et al. (2021) Low-frequency stimulation enhances ensemble co-firing and dexterity after stroke. *Cell*, 184(4), 912.

Strohl JJ, et al. (2021) Framework for automated sorting of neural spikes from Neuralynx-acquired tetrode recordings in freely-moving mice. *Bioelectronic medicine*, 7(1), 17.

Prince SM, et al. (2021) Alzheimer's pathology causes impaired inhibitory connections and reactivation of spatial codes during spatial navigation. *Cell reports*, 35(3), 109008.

Dudok B, et al. (2021) Recruitment and inhibitory action of hippocampal axo-axonic cells during behavior. *Neuron*, 109(23), 3838.

Sosa M, et al. (2020) Dorsal and Ventral Hippocampal Sharp-Wave Ripples Activate Distinct Nucleus Accumbens Networks. *Neuron*, 105(4), 725.

Joo HR, et al. (2019) A microfabricated, 3D-sharpened silicon shuttle for insertion of flexible electrode arrays through dura mater into brain. *Journal of neural engineering*, 16(6), 066021.