Resource Summary Report

Generated by NIF on Aug 9, 2026

KiloSort

RRID:SCR_016422
Type: Tool

Proper Citation

KiloSort (RRID:SCR_016422)

Resource Information

URL: https://github.com/cortex-lab/Kilosort

Proper Citation: KiloSort (RRID:SCR_016422)

Description: Software tool that implements an integrated template matching framework for detecting and clustering spikes from multi-channel electrophysiological recordings.

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

Keywords: implement, integrated, template, matching, framework, detect, cluster, spike, multi, channel, electrophysiology, recording, data

Availability: Free, Available for download, Freely available

Resource Name: KiloSort

Resource ID: SCR_016422

License: GNU General Public License v2.0

Record Creation Time: 20220129T080330+0000

Record Last Update: 20260808T190054+0000

Ratings and Alerts

No rating or validation information has been found for KiloSort.

No alerts have been found for KiloSort.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 129 mentions in open access literature.

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

Causse AA, et al. (2026) A learning-evoked slow-oscillatory architecture paces population activity for offline reactivation across the human medial temporal lobe. Neuron.

Weiler S, et al. (2026) Protocol for minimizing off-target neuronal activation during optical stimulation in vivo. STAR protocols, 7(1), 104342.

Gopal A, et al. (2026) Multiple groups of neurons in the superior colliculus convert value signals into saccadic vigor. iScience, 29(2), 114563.

Rautio IV, et al. (2026) Prefrontal cortex encodes behavior states decoupled from motor execution. Cell reports, 45(4), 117138.

Shiotani K, et al. (2026) Encoding of odor information and reward anticipation in anterior cortical amygdaloid nucleus. iScience, 29(2), 114590.

Hosford PS, et al. (2026) Control of representation updating by higher-order thalamus enables history-based decision-making. Neuron.

Deveau CE, et al. (2026) Recurrent cortical networks encode natural sensory statistics via sequence filtering. Neuron, 114(8), 1489.

Pi??a Novo D, et al. (2025) Cortical dynamics in hand/forelimb S1 and M1 evoked by brief photostimulation of the mouse's hand. eLife, 14.

Horrocks M, et al. (2025) The serotonergic psychedelic DOI impairs deviance detection in the auditory cortex. Journal of neurophysiology, 133(2), 388.

Angeles-Perez L, et al. (2025) Cerebellar contributions to tau-mediated cognitive and behavioral dysfunction. Cell reports, 44(8), 116036.

Vega-Zuniga T, et al. (2025) A thalamic hub-and-spoke network enables visual perception during action by coordinating visuomotor dynamics. Nature neuroscience, 28(3), 627.

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

Woo J, et al. (2025) Dynamic changes in chloride homeostasis coordinate midbrain inhibitory network activity during reward learning. Nature communications, 16(1), 10903.

Abad-Perez P, et al. (2025) Evidence of spatial periodic firing in the subiculum of mice. Frontiers in neural circuits, 19, 1648844.

Ahmadlou M, et al. (2025) A subcortical switchboard for perseverative, exploratory and disengaged states. Nature, 641(8061), 151.

Reid AP, et al. (2025) Asynchronous development of the mouse auditory cortex is driven by hemispheric identity and sex. Nature communications, 16(1), 3654.

Abbaspoor S, et al. (2025) Experience reorganizes content-specific memory traces in macaques. bioRxiv : the preprint server for biology.

Khateb M, et al. (2025) Cortical Intra-Layer Hypersynchronization in Levodopa-Induced Dyskinesia Mouse Model. Brain and behavior, 15(10), e70963.

Paz RM, et al. (2025) Repetitive Levodopa Treatment Drives Cell Type-Specific Striatal Adaptations Associated With Progressive Dyskinesia in Parkinsonian Mice. bioRxiv : the preprint server for biology.

Setogawa S, et al. (2025) Acquisition of auditory discrimination mediated by different processes through two distinct circuits linked to the lateral striatum. eLife, 13.