Resource Summary Report

Generated by dkNET on Apr 25, 2025

UltraMegaSort 2000

RRID:SCR_015857
Type: Tool

Proper Citation

UltraMegaSort 2000 (RRID:SCR_015857)

Resource Information

URL: https://neurophysics.ucsd.edu/software.php

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Description: Matlab-based routines for the detection and clustering of putative single units from a multi-unit time series, along with quality metrics. This sofwtare was developed by the David Kleinfeld Laboratory at UC San Diego.

Synonyms: UltraMegaSort

Resource Type: software resource, algorithm resource

Defining Citation: PMID:21677152

Keywords: matlab, detection, clustering, putative single unit, multi-unit time series, metric data

Funding: NINDS NS051177;
NINDS FNS054393A;
US-Israeli Binational Science Foundation 2007121

Availability: Free, Available for download

Resource Name: UltraMegaSort 2000

Resource ID: SCR_015857

Record Creation Time: 20220129T080327+0000

Record Last Update: 20250424T065412+0000

Ratings and Alerts

No rating or validation information has been found for UltraMegaSort 2000.

No alerts have been found for UltraMegaSort 2000.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Paraouty N, et al. (2023) Sensory cortex plasticity supports auditory social learning. Nature communications, 14(1), 5828.

Veit J, et al. (2023) Cortical VIP neurons locally control the gain but globally control the coherence of gamma band rhythms. Neuron, 111(3), 405.

Hung YC, et al. (2023) Loss of oxytocin receptors in hilar mossy cells impairs social discrimination. Neurobiology of disease, 187, 106311.

Ji X, et al. (2021) Brain microvasculature has a common topology with local differences in geometry that match metabolic load. Neuron, 109(7), 1168.

Antoine MW, et al. (2019) Increased Excitation-Inhibition Ratio Stabilizes Synapse and Circuit Excitability in Four Autism Mouse Models. Neuron, 101(4), 648.

Yao JD, et al. (2018) Developmental deprivation-induced perceptual and cortical processing deficits in awake-behaving animals. eLife, 7.

Isett BR, et al. (2018) Slip-Based Coding of Local Shape and Texture in Mouse S1. Neuron, 97(2), 418.

Mateo C, et al. (2017) Entrainment of Arteriole Vasomotor Fluctuations by Neural Activity Is a Basis of Blood-Oxygenation-Level-Dependent "Resting-State" Connectivity. Neuron, 96(4), 936.

Cronin T, et al. (2014) Efficient transduction and optogenetic stimulation of retinal bipolar cells by a synthetic adeno-associated virus capsid and promoter. EMBO molecular medicine, 6(9), 1175.