CellExplorer

RRID:SCR_022358
Type: Tool

Proper Citation

CellExplorer (RRID:SCR_022358)

Resource Information

URL: https://cellexplorer.org/

Proper Citation: CellExplorer (RRID:SCR_022358)

Description: Open source framework for single cell characterization and visualization.Graphical user interface, standardized processing module and data structure for exploring and classifying single cells acquired using extracellular electrodes.

Resource Type: data processing software, software resource, software application, time-series analysis software, 1d time-series analysis software, data analysis software

Defining Citation: DOI:10.1016/j.neuron.2021.09.002

Keywords: OpenBehavior, single cell characterization and visualization, classifying single cells, extracellular electrodes

Funding:

Availability: Free, Available for download, Freely available

Resource Name: CellExplorer

Resource ID: SCR_022358

Alternate URLs: https://edspace.american.edu/openbehavior/project/cellexplorer/, https://github.com/petersenpeter/CellExplorer

License: BSD 3-Clause "New" or "Revised" License

Record Creation Time: 20220602T050140+0000

Record Last Update: 20250412T060456+0000

Ratings and Alerts

No rating or validation information has been found for CellExplorer.

No alerts have been found for CellExplorer.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Hou R, et al. (2024) Coordinated Interactions between the Hippocampus and Retrosplenial Cortex in Spatial Memory. Research (Washington, D.C.), 7, 0521.

Wang Y, et al. (2024) Ventral Hippocampal CA1 Pyramidal Neurons Encode Nociceptive Information. Neuroscience bulletin, 40(2), 201.

Bhandari K, et al. (2024) Selective vulnerability of the ventral hippocampus-prelimbic cortex axis parvalbumin interneuron network underlies learning deficits of fragile X mice. Cell reports, 43(5), 114124.

Prince SM, et al. (2023) New information triggers prospective codes to adapt for flexible navigation. bioRxiv : the preprint server for biology.

Horváth C, et al. (2021) Dataset of cortical activity recorded with high spatial resolution from anesthetized rats. Scientific data, 8(1), 180.