

Resource Summary Report

Generated by [RRID](#) on Apr 11, 2025

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

Defining Citation: [DOI:10.1016/j.neuron.2021.09.002](https://doi.org/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: 20250411T060232+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.