

# Resource Summary Report

Generated by [dkNET](#) on Apr 26, 2025

## CellExplorer

RRID:SCR\_022358

Type: Tool

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### Proper Citation

CellExplorer (RRID:SCR\_022358)

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### 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, data analysis software, 1d time-series analysis software, time-series analysis software, software resource, software application

**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:** 20250426T060858+0000

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## Ratings and Alerts

No rating or validation information has been found for CellExplorer.

No alerts have been found for CellExplorer.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 5 mentions in open access literature.

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

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.