Resource Summary Report

Generated by NIF on May 23, 2025

MapMyCells

RRID:SCR_024672
Type: Tool

Proper Citation

MapMyCells (RRID:SCR_024672)

Resource Information

URL: https://portal.brain-map.org/atlases-and-data/bkp/mapmycells

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Description: MapMyCells maps single cell and spatial transcriptomics data sets to massive, high-quality, and high-resolution cell type taxonomies. It enables speeding up the creation of brain reference atlases by facilitating the integration of datasets from the scientific community with a shared reference. MapMyCells is part of the growing Brain Knowledge Platform. Its key advantage is scale: researchers can provide up to 327 million cell-gene pairs from their own data, a huge leap forward for working with whole-brain datasets. Allen Institute and its collaborators continue to add new reference taxonomies and algorithms to MapMyCells.

Synonyms: Allen MapMyCells

Resource Type: web application, software application, software resource, algorithm resource

Keywords: mapping of single cell and spatial transcriptomics data, mapping to whole mouse brain taxonomy, mapping to human brain taxonomy, correlation mapping, hierarchical mapping, label transfer

Funding: NIMH U24MH130918;
Paul G. Allen Foundation

Availability: Free, Freely available

Resource Name: MapMyCells

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Alternate URLs: https://knowledge.brain-map.org/mapmycells/process/, https://portal.brain-map.org/atlases-and-data/bkp/mapmycells/mapmycells-use-case-single-cell-genomics

Record Creation Time: 20231103T050226+0000

Record Last Update: 20250523T055641+0000

Ratings and Alerts

No rating or validation information has been found for MapMyCells.

No alerts have been found for MapMyCells.

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 NIF.

Fushiki A, et al. (2024) A Vulnerable Subtype of Dopaminergic Neurons Drives Early Motor Deficits in Parkinson's Disease. bioRxiv : the preprint server for biology.

Yen A, et al. (2024) MYT1L deficiency impairs excitatory neuron trajectory during cortical development. Nature communications, 15(1), 10308.

Kahn RA, et al. (2024) Antibody characterization is critical to enhance reproducibility in biomedical research. eLife, 13.

Schroeder ME, et al. (2024) Astrocyte regional specialization is shaped by postnatal development. bioRxiv : the preprint server for biology.

Yao Z, et al. (2023) A high-resolution transcriptomic and spatial atlas of cell types in the whole mouse brain. Nature, 624(7991), 317.