

Resource Summary Report

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mousebrain.org

RRID:SCR_018356

Type: Tool

Proper Citation

mousebrain.org (RRID:SCR_018356)

Resource Information

URL: <http://mousebrain.org>

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Description: Atlas of brain cell types, derived from single cell RNA-Seq data from Linnarsson Lab. Can be browsed by taxon, cell type, tissue, and gene, with information on enriched genes, specific markers, anatomical location and more.

Resource Type: atlas, data or information resource

Defining Citation: [PMID:30096314](#)

Keywords: Atlas, brain cell, cell type, single cell RNA seq data, taxon, tissue, gene, marker, anatomical location, data

Funding: Knut and Alice Wallenberg Foundation ;
Swedish Foundation for Strategic Research ;
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Availability: Free, Freely available

Resource Name: mousebrain.org

Resource ID: SCR_018356

Record Creation Time: 20220129T080339+0000

Record Last Update: 20260903T235501+0000

Ratings and Alerts

No rating or validation information has been found for mousebrain.org.

No alerts have been found for mousebrain.org.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 64 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#).

Golf SR, et al. (2023) Astrocytic Neuroligins Are Not Required for Synapse Formation or a Normal Astrocyte Cytoarchitecture. bioRxiv : the preprint server for biology.

Bartosovic M, et al. (2023) Multimodal chromatin profiling using nanobody-based single-cell CUT&Tag. Nature biotechnology, 41(6), 794.

Borm LE, et al. (2023) Scalable in situ single-cell profiling by electrophoretic capture of mRNA using EEL FISH. Nature biotechnology, 41(2), 222.

Gan S, et al. (2023) Distinct tumor architectures for metastatic colonization of the brain. bioRxiv : the preprint server for biology.

Gershon Z, et al. (2023) A Genetic Locus Mediating Attentional Processing. bioRxiv : the preprint server for biology.

Duperron MG, et al. (2023) Genomics of perivascular space burden unravels early mechanisms of cerebral small vessel disease. Nature medicine, 29(4), 950.

Dharshika C, et al. (2023) Enteric Neuromics: How High-Throughput "Omics" Deepens Our Understanding of Enteric Nervous System Genetic Architecture. Cellular and molecular gastroenterology and hepatology, 15(2), 487.

Mezias C, et al. (2022) Matrix Inversion and Subset Selection (MISS): A pipeline for mapping of diverse cell types across the murine brain. Proceedings of the National Academy of Sciences of the United States of America, 119(14), e2111786119.

Verkest C, et al. (2022) Mechanisms of Action of the Peptide Toxins Targeting Human and Rodent Acid-Sensing Ion Channels and Relevance to Their In Vivo Analgesic Effects. Toxins, 14(10).

Chalazonitis A, et al. (2022) Similarities and differences between nigral and enteric dopaminergic neurons unravel distinctive involvement in Parkinson's disease. NPJ Parkinson's disease, 8(1), 50.

Jiao S, et al. (2022) Comparative description of the mRNA expression profile of Na⁺ /K⁺ - ATPase isoforms in adult mouse nervous system. The Journal of comparative neurology,

530(3), 627.

Stankiewicz AM, et al. (2022) Stress and the brain transcriptome: Identifying commonalities and clusters in standardized data from published experiments. *Progress in neuro-psychopharmacology & biological psychiatry*, 119, 110558.

Lopez JP, et al. (2022) Ketamine exerts its sustained antidepressant effects via cell-type-specific regulation of Kcnq2. *Neuron*, 110(14), 2283.

Lotfollahi M, et al. (2022) Mapping single-cell data to reference atlases by transfer learning. *Nature biotechnology*, 40(1), 121.

Latragna A, et al. (2022) Prdm12 modulates pain-related behavior by remodeling gene expression in mature nociceptors. *Pain*, 163(8), e927.

Luecken MD, et al. (2022) Benchmarking atlas-level data integration in single-cell genomics. *Nature methods*, 19(1), 41.

Baur K, et al. (2022) A novel stem cell type at the basal side of the subventricular zone maintains adult neurogenesis. *EMBO reports*, 23(9), e54078.

Spix B, et al. (2022) Whole-body analysis of TRPML3 (MCOLN3) expression using a GFP-reporter mouse model reveals widespread expression in secretory cells and endocrine glands. *PloS one*, 17(12), e0278848.

Xian F, et al. (2022) Deep proteome profiling reveals signatures of age and sex differences in paw skin and sciatic nerve of naïve mice. *eLife*, 11.

Grisanti Canozo FJ, et al. (2022) Cell-type modeling in spatial transcriptomics data elucidates spatially variable colocalization and communication between cell-types in mouse brain. *Cell systems*, 13(1), 58.