

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on May 17, 2025

mousebrain.org

RRID:SCR_016999

Type: Tool

Proper Citation

mousebrain.org (RRID:SCR_016999)

Resource Information

URL: <http://mousebrain.org/>

Proper Citation: mousebrain.org (RRID:SCR_016999)

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. Single cell gene expression atlas of mouse nervous system.

Synonyms: Linnarsson lab Mouse Brain Atlas

Resource Type: data or information resource, atlas

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 ;
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Åke Wiberg Foundation

Availability: Free, Available for download, Freely available

Resource Name: mousebrain.org

Resource ID: SCR_016999

Alternate IDs: SCR_018356

Record Creation Time: 20220129T080333+0000

Record Last Update: 20250516T054143+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 102 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Yan G, et al. (2025) Categorization of 34 computational methods to detect spatially variable genes from spatially resolved transcriptomics data. Nature communications, 16(1), 1141.

Vicari M, et al. (2024) Spatial multimodal analysis of transcriptomes and metabolomes in tissues. Nature biotechnology, 42(7), 1046.

Theparambil SM, et al. (2024) Adenosine signalling to astrocytes coordinates brain metabolism and function. Nature, 632(8023), 139.

Yan G, et al. (2024) Categorization of 33 computational methods to detect spatially variable genes from spatially resolved transcriptomics data. ArXiv.

Ferns M, et al. (2024) Electrically silent KvS subunits associate with native Kv2 channels in brain and impact diverse properties of channel function. bioRxiv : the preprint server for biology.

Li K, et al. (2024) K⁺ channel-mediated retarded maturation of interneurons and its role in

neurodevelopmental disorders. *Neural regeneration research*, 19(7), 1403.

Mathys H, et al. (2024) Single-cell multiregion dissection of Alzheimer's disease. *Nature*, 632(8026), 858.

Yin W, et al. (2024) SpatialcoGCN: deconvolution and spatial information-aware simulation of spatial transcriptomics data via deep graph co-embedding. *Briefings in bioinformatics*, 25(3).

Virtanen HT, et al. (2024) Interindividual Variation in Gut Nitrergic Neuron Density Is Regulated By GDNF Levels and ETV1. *Cellular and molecular gastroenterology and hepatology*, 18(6), 101405.

Schevenels G, et al. (2024) A brain-specific angiogenic mechanism enabled by tip cell specialization. *Nature*, 628(8009), 863.

Assali A, et al. (2024) EphB1 controls long-range cortical axon guidance through a cell non-autonomous role in GABAergic cells. *Development (Cambridge, England)*, 151(5).

Sun SY, et al. (2024) Histamine H4 receptor and TRPV1 mediate itch induced by cadaverine, a metabolite of the microbiome. *Molecular pain*, 20, 17448069241272149.

Schormair B, et al. (2024) Genome-wide meta-analyses of restless legs syndrome yield insights into genetic architecture, disease biology and risk prediction. *Nature genetics*, 56(6), 1090.

Vicario R, et al. (2024) Mechanism of neurodegeneration mediated by clonal inflammatory microglia. *bioRxiv : the preprint server for biology*.

Benthal JT, et al. (2024) Meta-atlas of Juvenile and Adult Enteric Neuron scRNA-seq for Dataset Comparisons and Consensus on Transcriptomic Definitions of Enteric Neuron Subtypes. *bioRxiv : the preprint server for biology*.

Madsen S, et al. (2024) A fluorescent perilipin 2 knock-in mouse model reveals a high abundance of lipid droplets in the developing and adult brain. *Nature communications*, 15(1), 5489.

Kwak H, et al. (2024) Is FAM19A5 an adipokine? Peripheral FAM19A5 in wild-type, FAM19A5 knockout, and LacZ knockin mice. *Molecules and cells*, 47(12), 100125.

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

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

van Oostrum M, et al. (2023) The proteomic landscape of synaptic diversity across brain regions and cell types. *Cell*, 186(24), 5411.