Resource Summary Report

Generated by dkNET on Aug 19, 2026

mousebrain.org

RRID:SCR_016999
Type: Tool

Proper Citation

mousebrain.org (RRID:SCR_016999)

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. 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

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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: 20260815T182921+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 135 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Cerda-Jara CA, et al. (2026) The history and function of a circular RNA. Nature communications, 17(1).

Gaunt JR, et al. (2026) Distribution and Levels of Insulin-like Growth Factor 2 Receptor Across Mouse Brain Cell Types. Receptors (Basel, Switzerland), 5(1).

Urbina-Treviño L, et al. (2026) Increased P2X7 level does not affect anxiety or stress-coping behavior in male mice. Purinergic signalling, 22(3).

Wu Q, et al. (2026) Inhibiting Liver-Derived C3 Protein Rescues Anesthesia/Surgery-Induced Cognitive Impairment, Synaptic Disorders, and Microglial Phagocytosis. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(2), e02034.

Kim H, et al. (2026) Cell type-specific barcoding reveals the single-neuron projectional architecture of the mouse midbrain dopaminergic system. bioRxiv : the preprint server for biology.

Farsi Z, et al. (2026) Aberrant mRNA splicing and impaired hippocampal neurogenesis in Grin2b mutant mice. iScience, 29(2), 114700.

Hadley CK, et al. (2026) The focal adhesion kinases regulate leptin action and the weight reducing effect of HDAC6 inhibition. Nature communications, 17(1), 1212.

Verhaege D, et al. (2026) Base barrier cells provide compartmentalization of choroid plexus, brain and CSF. Nature neuroscience, 29(3), 551.

Halawani D, et al. (2026) AhR inhibition promotes axon regeneration via a stress-growth switch. Nature, 653(8116), 1119.

Xu L, et al. (2025) Neuron-specific homologous coding genes and non-coding regulatory regions are the most conserved amongst amniotes despite neuron-specific cell size diversity. Scientific reports, 15(1), 43971.

Perzel Mandell KA, et al. (2025) Meta-analysis of the brain transcriptomes of multiple genetic mouse models of schizophrenia highlights dysregulation in striatum and thalamus. Translational psychiatry, 15(1), 345.

Senf K, et al. (2025) Unraveling the Role of Ensheathing Cells and Perineural Fibroblasts in Olfactory Neurogenesis. Glia, 73(12), 2407.

Shahapal A, et al. (2025) Partial FAM19A5 deficiency in mice leads to disrupted spine maturation, hyperactivity, and an altered fear response. PloS one, 20(8), e0327493.

Zhou J, et al. (2025) Dual lineage origins contribute to neocortical astrocyte diversity. Nature communications, 16(1), 6992.

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.

Johnston KG, et al. (2025) Single-cell spatial transcriptomics reveals distinct patterns of dysregulation in non-neuronal and neuronal cells induced by the Trem2R47H Alzheimer's risk gene mutation. Molecular psychiatry, 30(2), 461.

Cummins MJ, et al. (2025) Aging disrupts blood-brain and blood-spinal cord barrier homeostasis, but does not increase paracellular permeability. GeroScience, 47(1), 263.

Habib AM, et al. (2025) MDFIC2 is a PIEZO channel modulator that can alleviate mechanical allodynia associated with neuropathic pain. Proceedings of the National Academy of Sciences of the United States of America, 122(45), e2512426122.

Bocchi R, et al. (2025) Astrocyte heterogeneity reveals region-specific astrogenesis in the white matter. Nature neuroscience, 28(3), 457.

Kirikae H, et al. (2025) Gene Expression Profiling in the Cortex of Fabp4 Knockout Mice. Neuropsychopharmacology reports, 45(1), e70006.