

Resource Summary Report

Generated by SPARC SAWG on Jul 28, 2026

Allen Cell Types Database

RRID:SCR_014806

Type: Tool

Proper Citation

Allen Cell Types Database (RRID:SCR_014806)

Resource Information

URL: <http://celltypes.brain-map.org>

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Description: Database of neuronal cell types based on multimodal characterization of single cells to enable data-driven approaches to classification. It includes data such as electrophysiology recordings, imaging data, morphological reconstructions, and RNA and DNA sequencing data.

Synonyms: Allen Brain Atlas Cell Types, Allen Brain Atlas Data Portal, Allen Brain Atlas

Resource Type: database, data or information resource

Keywords: database, neuron, classification, imaging, electrophysiology, eeg, imaging, rna, dna, sequencing

Availability: Freely Available, Free, Available for download

Resource Name: Allen Cell Types Database

Resource ID: SCR_014806

Alternate IDs: SCR_015719

License URLs: <http://www.alleninstitute.org/legal/terms-use/>

Record Creation Time: 20220129T080322+0000

Record Last Update: 20260725T191210+0000

Ratings and Alerts

No rating or validation information has been found for Allen Cell Types Database.

No alerts have been found for Allen Cell Types Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 71 mentions in open access literature.

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

Loui J, et al. (2026) Neuronal THY1 Signaling Maintains Astrocytes in a Quiescent State. *Glia*, 74(1), e70083.

Zhang Y, et al. (2025) SCRIPT: Predicting Single-Cell Long-Range Cis-Regulation Based on Pretrained Graph Attention Networks. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(41), e05021.

Makarov R, et al. (2025) DendroTweaks, an interactive approach for unraveling dendritic dynamics. *eLife*, 13.

Hunker AC, et al. (2025) Enhancer AAV toolbox for accessing and perturbing striatal cell types and circuits. *Neuron*, 113(10), 1507.

Jiang Y, et al. (2025) Contrastive learning-driven framework for neuron morphology classification. *Scientific reports*, 15(1), 27752.

Miller JA, et al. (2025) Incorporating the thermodynamic effects of temperature and pressure on modeling neuronal gating kinetics. *PloS one*, 20(10), e0333592.

Wen W, et al. (2024) Modular Arrangement of Synaptic and Intrinsic Homeostatic Plasticity within Visual Cortical Circuits. *bioRxiv : the preprint server for biology*.

Zhang A, et al. (2024) Rabies virus-based barcoded neuroanatomy resolved by single-cell RNA and in situ sequencing. *eLife*, 12.

Ben-Simon Y, et al. (2024) A suite of enhancer AAVs and transgenic mouse lines for genetic access to cortical cell types. *bioRxiv : the preprint server for biology*.

Li N, et al. (2024) Bi-allelic variants in CEP295 cause Seckel-like syndrome presenting with primary microcephaly, developmental delay, intellectual disability, short stature, craniofacial and digital abnormalities. *EBioMedicine*, 99, 104940.

Pronold J, et al. (2024) Multi-scale spiking network model of human cerebral cortex. *Cerebral cortex (New York, N.Y. : 1991)*, 34(10).

Makarov R, et al. (2024) DendroTweaks: An interactive approach for unraveling dendritic dynamics. *bioRxiv : the preprint server for biology*.

Hunker AC, et al. (2024) Enhancer AAV toolbox for accessing and perturbing striatal cell types and circuits. *bioRxiv : the preprint server for biology*.

Ali D, et al. (2024) Direct targets of MEF2C are enriched for genes associated with schizophrenia and cognitive function and are involved in neuron development and mitochondrial function. *PLoS genetics*, 20(9), e1011093.

Chi Y, et al. (2023) scBrainMap: a landscape for cell types and associated genetic markers in the brain. *Database : the journal of biological databases and curation*, 2023.

Driessens SLW, et al. (2023) Genes associated with cognitive ability and HAR show overlapping expression patterns in human cortical neuron types. *Nature communications*, 14(1), 4188.

Ament SA, et al. (2023) The Neuroscience Multi-Omic Archive: a BRAIN Initiative resource for single-cell transcriptomic and epigenomic data from the mammalian brain. *Nucleic acids research*, 51(D1), D1075.

West TO, et al. (2023) When do bursts matter in the primary motor cortex? Investigating changes in the intermittencies of beta rhythms associated with movement states. *Progress in neurobiology*, 221, 102397.

Real R, et al. (2023) Association between the LRP1B and APOE loci and the development of Parkinson's disease dementia. *Brain : a journal of neurology*, 146(5), 1873.

Zeng Y, et al. (2023) BrainCog: A spiking neural network based, brain-inspired cognitive intelligence engine for brain-inspired AI and brain simulation. *Patterns (New York, N.Y.)*, 4(8), 100789.