

Resource Summary Report

Generated by PRECISE-TBI on Sep 8, 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: data or information resource, database

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: 20260905T133211+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 84 mentions in open access literature.

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

Sandle JG, et al. (2026) Group I metabotropic glutamate receptors differentially modulate excitatory transmission across interneuron types in the human cortex. *Frontiers in synaptic neuroscience*, 18, 1766413.

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

Oruro EM, et al. (2026) New directions for complex systems in contemporary neuroscience: a morphodynamic and emergent function approach. *Frontiers in computational neuroscience*, 20, 1800523.

Hunker AC, et al. (2026) Technical and biological sources of noise confound multiplexed enhancer AAV screening. *Nature communications*, 17(1).

Gu Z, et al. (2026) The External Globus Pallidus is a Basal Ganglia Output Hub with Action-Specific Circuits. *bioRxiv : the preprint server for biology*.

Sun L, et al. (2026) Transcriptomic signatures of synaptic loss in Alzheimer's disease. *iScience*, 29(7), 116336.

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.

Olejniczak B, et al. (2025) Transcriptomic analysis of the TRP gene family in human brain physiopathology. *Frontiers in molecular neuroscience*, 18, 1576941.

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.

Talapka P, et al. (2025) Dendritic synaptome of calcium-binding protein containing GABAergic interneurons in the mouse primary visual cortex. *Frontiers in neural circuits*, 19, 1644572.

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

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

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.

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.

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

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

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.