

Resource Summary Report

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BRAIN Initiative Cell Atlas Network

RRID:SCR_022794

Type: Tool

Proper Citation

BRAIN Initiative Cell Atlas Network (RRID:SCR_022794)

Resource Information

URL: <https://www.portal.brain-bican.org/>

Proper Citation: BRAIN Initiative Cell Atlas Network (RRID:SCR_022794)

Description: Provides molecular and anatomical foundational framework for study of brain function and disorders. Comprehensive Center on Human and Non-Human Primate Brain Cell Atlases with goal to build reference brain cell atlases that will be used throughout research community.

Abbreviations: BICAN

Resource Type: portal, data or information resource

Keywords: Cell Atlas Network, study of brain function and disorders, build reference brain cell atlases

Funding: NIH MH130968;
NIH MH130918

Availability: Free, Freely available

Resource Name: BRAIN Initiative Cell Atlas Network

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Alternate URLs: <https://www.braininitiative.org/funding-opportunity/brain-initiative-cell-atlas-network-bican-comprehensive-center-on-human-and-non-human-primate-brain-cell-atlases-um1-clinical-trial-not-allowed/>, <https://braininitiative.nih.gov/funding-opportunities/brain-initiative-cell-atlas-network-bican-specialized-collaboratory-human-non>

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Ratings and Alerts

No rating or validation information has been found for BRAIN Initiative Cell Atlas Network .

No alerts have been found for BRAIN Initiative Cell Atlas Network .

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Gao Y, et al. (2025) Continuous cell-type diversification in mouse visual cortex development. *Nature*, 647(8088), 127.

van Velthoven CTJ, et al. (2025) Transcriptomic and spatial organization of telencephalic GABAergic neurons. *Nature*, 647(8088), 143.

Kenney M, et al. (2024) The Brain Image Library: A Community-Contributed Microscopy Resource for Neuroscientists. *bioRxiv : the preprint server for biology*.

van Velthoven CTJ, et al. (2024) The transcriptomic and spatial organization of telencephalic GABAergic neuronal types. *bioRxiv : the preprint server for biology*.

Gao Y, et al. (2024) Continuous cell type diversification throughout the embryonic and postnatal mouse visual cortex development. *bioRxiv : the preprint server for biology*.

Ding SL, et al. (2024) Lamination, Borders, and Thalamic Projections of the Primary Visual Cortex in Human, Non-Human Primate, and Rodent Brains. *Brain sciences*, 14(4).

Ament SA, et al. (2024) The single-cell opioid responses in the context of HIV (SCORCH) consortium. *Molecular psychiatry*.

Zhang K, et al. (2023) SnapATAC2: a fast, scalable and versatile tool for analysis of single-cell omics data. *bioRxiv : the preprint server for biology*.

Williams LM, et al. (2023) Precision psychiatry and Research Domain Criteria: Implications for clinical trials and future practice. *CNS spectrums*, 1.

Dams-O'Connor K, et al. (2023) Alzheimer's Disease-Related Dementias Summit 2022: National Research Priorities for the Investigation of Post-Traumatic Brain Injury Alzheimer's Disease and Related Dementias. *Journal of neurotrauma*, 40(15-16), 1512.

Li C, et al. (2023) SpaceWalker enables interactive gradient exploration for spatial transcriptomics data. *Cell reports methods*, 3(12), 100645.

Venkadesh S, et al. (2023) Combinatorial quantification of distinct neural projections from retrograde tracing. *Nature communications*, 14(1), 7271.

Wilbers R, et al. (2023) Structural and functional specializations of human fast-spiking neurons support fast cortical signaling. *Science advances*, 9(41), eadf0708.

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.

Ngai J, et al. (2022) BRAIN 2.0: Transforming neuroscience. *Cell*, 185(1), 4.

Normile D, et al. (2022) China's big brain project is finally gathering steam. *Science* (New York, N.Y.), 377(6613), 1368.

Costantini I, et al. (2022) Editorial: The human brain multiscale imaging challenge. *Frontiers in neuroanatomy*, 16, 1060405.

Pennisi E, et al. (2022) Genomes tell tales of spores versus seeds. *Science* (New York, N.Y.), 377(6613), 1369.