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: data or information resource, portal

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-opportunies/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 16 mentions in open access literature.

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

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.

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

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

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

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