

Resource Summary Report

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Brain Image Library

RRID:SCR_017272

Type: Tool

Proper Citation

Brain Image Library (RRID:SCR_017272)

Resource Information

URL: <http://www.brainimagelibrary.org>

Proper Citation: Brain Image Library (RRID:SCR_017272)

Description: Public, NIH-funded repository and analysis ecosystem for brain microscopy data, designed to store, share, and process massive volumetric datasets. It enables researchers to access whole-brain images, neuron morphologies, and spatial data without needing to download, fostering collaborative discovery. Used to deposit, analyze, mine, share and interact with large brain image datasets.

Abbreviations: BIL

Synonyms: Brain Image Library

Resource Type: data or information resource, data repository, service resource, storage service resource

Defining Citation: [PMID:38187527](#)

Keywords: archive, dataset, confocal, microscopy, brain, image, data, brain microscopy data,

Funding: BRAIN Initiative ;
NIMH R24 MH114793

Availability: Free, Available for download, Freely available

Resource Name: Brain Image Library

Resource ID: SCR_017272

Alternate IDs: DOI:10.17616/R31NJN9G, DOI:10.35077, r3d100013956

Alternate URLs: <https://doi.org/10.17616/R31NHN9G>,
<https://doi.org/10.17616/r31NHN9G>, <https://doi.org/10.35077/>, <https://dx.doi.org/10.35077/>,
<https://doi.org/10.17616/R31NHN9G>

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Record Creation Time: 20220129T080334+0000

Record Last Update: 20260905T132821+0000

Ratings and Alerts

No rating or validation information has been found for Brain Image Library.

No alerts have been found for Brain Image Library.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Ray PL, et al. (2026) A layered standards framework for integrating single-cell and spatial omics data into brain cell atlases. bioRxiv : the preprint server for biology.

, et al. (2026) A Community Standard Multispecies Cell Atlas of the Basal Ganglia. bioRxiv : the preprint server for biology.

Gao Y, et al. (2026) Conserved Cell Type Signatures Across the Brainstem and Spinal Cord in the Mouse Central Nervous System. bioRxiv : the preprint server for biology.

Sarwar A, et al. (2025) Cross-expression meta-analysis of mouse brain slices reveals coordinated gene expression across spatially adjacent cells. Genome biology, 26(1), 373.

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

Tasic B, et al. (2025) Exploring brain circuits, one cell type-or more- at a time. Neuron, 113(10), 1469.

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

Eichler K, et al. (2024) Somatotopic organization among parallel sensory pathways that promote a grooming sequence in Drosophila. eLife, 12.

Kenney M, et al. (2024) The Brain Image Library: A Community-Contributed Microscopy Resource for Neuroscientists. *Scientific data*, 11(1), 1212.

Hawrylycz M, et al. (2023) A guide to the BRAIN Initiative Cell Census Network data ecosystem. *PLoS biology*, 21(6), e3002133.

Liu Y, et al. (2023) Full-Spectrum Neuronal Diversity and Stereotypy through Whole Brain Morphometry. *Research square*.

Wong KKL, et al. (2023) Origin of wiring specificity in an olfactory map revealed by neuron type-specific, time-lapse imaging of dendrite targeting. *eLife*, 12.

Jwa AS, et al. (2022) The spectrum of data sharing policies in neuroimaging data repositories. *Human brain mapping*, 43(8), 2707.

Ishibashi M, et al. (2022) Analysis of rod/cone gap junctions from the reconstruction of mouse photoreceptor terminals. *eLife*, 11.

Guo S, et al. (2022) Image enhancement to leverage the 3D morphological reconstruction of single-cell neurons. *Bioinformatics (Oxford, England)*, 38(2), 503.

Muñoz-Castañeda R, et al. (2021) Cellular anatomy of the mouse primary motor cortex. *Nature*, 598(7879), 159.

Scala F, et al. (2021) Phenotypic variation of transcriptomic cell types in mouse motor cortex. *Nature*, 598(7879), 144.

, et al. (2021) A multimodal cell census and atlas of the mammalian primary motor cortex. *Nature*, 598(7879), 86.

Ascoli GA, et al. (2021) Farewell, Neuroinformatics! *Neuroinformatics*, 19(4), 551.

Litvina E, et al. (2019) BRAIN Initiative: Cutting-Edge Tools and Resources for the Community. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 39(42), 8275.