

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/R31NJN9G>,
<https://doi.org/10.17616/r31NJN9G>, <https://doi.org/10.35077/>, <https://dx.doi.org/10.35077/>,
<https://doi.org/10.17616/R31NJN9G>

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Record Creation Time: 20220129T080334+0000

Record Last Update: 20260821T194109+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 [NIF](#) .

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.

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

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.

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.
- Guo S, et al. (2022) Image enhancement to leverage the 3D morphological reconstruction of single-cell neurons. *Bioinformatics (Oxford, England)*, 38(2), 503.
- Ishibashi M, et al. (2022) Analysis of rod/cone gap junctions from the reconstruction of mouse photoreceptor terminals. *eLife*, 11.
- 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.