

Resource Summary Report

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Microscopy Image Browser

RRID:SCR_016560

Type: Tool

Proper Citation

Microscopy Image Browser (RRID:SCR_016560)

Resource Information

URL: <http://mib.helsinki.fi/>

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Description: Software package for advanced image processing, analysis, segmentation and visualization of multi-dimensional (2D-4D) light and electron microscopy datasets.

Abbreviations: MIB

Synonyms: MIB, Microscopy Image Browser

Resource Type: data analysis software, data processing software, data visualization software, image processing software, software application, software resource, standalone software

Defining Citation: [PMID:26727152](#)

Keywords: segmentation, analysis, multidimensional, dataset, light, electron, microscopy, image, processing, visualization, data, bio.tools

Funding: Biocenter Finland ;
Biological Imaging Network Academy of Finland ;
University of Helsinki

Availability: Free, Available for download, Freely available

Resource Name: Microscopy Image Browser

Resource ID: SCR_016560

Alternate IDs: biotools:mib

Alternate URLs:

https://www.youtube.com/watch?v=I9FWmJX_nl0&index=1&list=PLGkFvW985wz8cj8CWmXOFkXp

<https://bio.tools/mib>

License: GNU General Public License v2

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Ratings and Alerts

No rating or validation information has been found for Microscopy Image Browser.

No alerts have been found for Microscopy Image Browser.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 160 mentions in open access literature.

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

Verhaege D, et al. (2026) Base barrier cells provide compartmentalization of choroid plexus, brain and CSF. *Nature neuroscience*, 29(3), 551.

Eichler J, et al. (2026) STARD3 regulates lysosome positioning and contacts via a GSK3-controlled phosphorylation switch. *The EMBO journal*, 45(7), 2239.

Kyyriäinen J, et al. (2026) Multimodal approach to characterize surgically removed epileptogenic zone from patients with focal drug-resistant epilepsy: From operating room to wet lab. *Epilepsia open*, 11(1), 347.

Jadav N, et al. (2026) Uncovering mitotic ultrastructure in the native hair follicle using volume electron microscopy. *Journal of cell science*, 139(4).

Paschen C, et al. (2026) Visceral Adipose Tissue Alters Podometrics and Renal Compensation After Uninephrectomy. *Kidney international reports*, 11(3), 103739.

Kumamoto K, et al. (2026) Altered ciliary morphology reduces mechanosensation in a cystic kidney model as indicated by a mathematical model. *Scientific reports*, 16(1).

Karabova MK, et al. (2026) Tracking tau and cellular responses in human iPSC-microglia: from uptake to seedable secretion, including in extracellular vesicles. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 22(4), e71337.

Freitas-Filho EG, et al. (2026) RAB5c orchestrates LC3-associated phagocytosis to promote microbicidal function of macrophages. *Science advances*, 12(19), eadz0196.

Tervonen A, et al. (2026) Nucleus softens during herpesvirus infection. *PLoS pathogens*, 22(1), e1013873.

van der Kolk BW, et al. (2026) Human Skeletal Muscle Mitochondria Responses to Weight Loss Induced by Bariatric Surgery or Lifestyle Intervention. *Acta physiologica (Oxford, England)*, 242(2), e70150.

Masó-Martínez M, et al. (2026) Impact of oxidative stress on *Magnetospirillum gryphiswaldense* MSR-1 physiology and magnetosome biomineralization at the single-cell level. *mBio*, 17(2), e0326525.

Li LA, et al. (2026) Piezo1 Knockdown Attenuates Hypertension-Induced Cardiac Fibrosis by Inhibiting $Ca^{2+}/\text{?}$ -Catenin Signalling Pathway. *Clinical and experimental pharmacology & physiology*, 53(5), e70130.

Rudinskiy M, et al. (2025) The intrinsically disordered regions of organellophagy receptors are interchangeable and control organelle fragmentation, ER-phagy and mitophagy flux. *Nature cell biology*, 27(9), 1431.

Albargothy MJ, et al. (2025) 3D electron microscopy reveals novel ultrastructural changes in the diabetic retinal neurovascular unit. *Diabetologia*, 68(12), 2899.

Abdollahzadeh A, et al. (2025) Scattering approach to diffusion quantifies axonal damage in brain injury. *ArXiv*.

Ezure T, et al. (2025) Three-dimensional ultrastructural analysis of human skin with the arrector pili muscle interacting with the hair follicle epithelium. *Scientific reports*, 15(1), 4195.

Fatima K, et al. (2025) Ribosome-binding protein 1 maintains peroxisome biogenesis. *Journal of cell science*, 138(24).

Buhr A, et al. (2025) Neprilysin 4 controls acrosome structure and male fertility in *Drosophila melanogaster*. *Communications biology*, 8(1), 1701.

Molteni R, et al. (2025) Mechanisms of hematopoietic clonal dominance in VEXAS syndrome. *Nature medicine*, 31(6), 1911.

Padman BS, et al. (2025) AI-directed voxel extraction and volume EM identify intrusions as sites of mitochondrial contact. *The Journal of cell biology*, 224(10).