

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/>

Proper Citation: Microscopy Image Browser (RRID:SCR_016560)

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>

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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 [kravitz2](#) .

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.

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

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

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.

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.

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

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

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 Ca²⁺/Catenin Signalling Pathway. Clinical and experimental pharmacology & physiology, 53(5), e70130.

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).

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

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.

Adams R, et al. (2025) How the Topology of the Mitochondrial Inner Membrane Modulates ATP Production. Cells, 14(4).

Hagen KD, et al. (2025) Giardia's domed ventral disc architecture is essential for attachment and contributes to epithelial barrier disruption. Molecular biology of the cell, 36(8), ar93.

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