

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

<https://bio.tools/mib>

**License:** GNU General Public License v2

**Record Creation Time:** 20220129T080331+0000

**Record Last Update:** 20260912T195841+0000

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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.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 160 mentions in open access literature.

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

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  $Ca^{2+}$ /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).