

Resource Summary Report

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OMERO

RRID:SCR_002629

Type: Tool

Proper Citation

OMERO (RRID:SCR_002629)

Resource Information

URL: <http://www.openmicroscopy.org/site/products/omero>

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Description: Client-server software for management, visualization, and analysis of biological microscopy images. OMERO handles images in a secure central repository where users can view, organize, analyze and share data from anywhere with internet access. Work with images from a desktop app (Windows, Mac or Linux), from the web or from 3rd party software.

Abbreviations: OMERO

Synonyms: OMERO - Open Microscopy Environment Remote Objects, Open Microscopy Environment Remote Objects, OME Remote Objects

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

Defining Citation: [PMID:22373911](#)

Keywords: light microscopy, electron microscopy, genotype, archiving, data repository, data sharing, image, metadata

Funding: BBSRC BB/G022585;
BBSRC BB/I000755;
BBSRC BB/G022577;
Jisc REXDAT03

Availability: Free, Available for download, Freely available

Resource Name: OMERO

Resource ID: SCR_002629

Alternate IDs: nlx_156069

License: GNU General Public License, Or through commercial license from Glencoe Software

Record Creation Time: 20220129T080214+0000

Record Last Update: 20260731T042632+0000

Ratings and Alerts

No rating or validation information has been found for OMERO.

No alerts have been found for OMERO.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 176 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Landt C, et al. (2026) Complement C4d Informs the Differential Diagnosis of Inflammatory Demyelinating CNS Diseases. Neurology(R) neuroimmunology & neuroinflammation, 13(2), e200528.

Pizzagalli DU, et al. (2026) Systematic analysis of immune cell motility leveraging the open intravital microscopy database Immunemap. The EMBO journal, 45(1), 334.

Lauritzen I, et al. (2025) Presenilins as hub proteins controlling the endocytic and autophagic pathways and small extracellular vesicle secretion. Journal of extracellular vesicles, 14(1), e70019.

Leder A, et al. (2025) A multichaperone condensate enhances protein folding in the endoplasmic reticulum. Nature cell biology, 27(9), 1422.

Rasouliha SH, et al. (2025) Shaping and interpretation of Dpp morphogen gradient by endocytic trafficking. PLoS genetics, 21(7), e1011766.

Irmer B, et al. (2025) Syntenin Controls Extracellular Vesicle-Induced Tumour Migration by Regulating the Expression of Adhesion Proteins on Small Extracellular Vesicles. Journal of extracellular vesicles, 14(8), e70133.

Perry CH, et al. (2025) TEAD switches interacting partners along neural progenitor lineage progression to execute distinct functions. bioRxiv : the preprint server for biology.

Perry CH, et al. (2025) TEAD switches interacting partners along neural progenitor lineage progression to execute distinct functions. *Genes & development*, 39(13-14), 849.

Pardo LA, et al. (2025) Preserved fascicular architecture predicts neuroma pain: a morphometric study. *Acta neuropathologica communications*, 13(1), 248.

Chamma H, et al. (2025) The methyl-CpG-binding protein 2 inhibits cGAS-associated signaling. *Nature communications*, 16(1), 9827.

Gkotsoulas DG, et al. (2025) Bridging mesoscopic and microscopic scales in multiple sclerosis: Post mortem brain block multi-contrast 9.4T MRI and histology quantification. *STAR protocols*, 6(4), 104203.

Pang M, et al. (2025) CelloType: a unified model for segmentation and classification of tissue images. *Nature methods*, 22(2), 348.

Müller JT, et al. (2025) Nebulization of RNA-Loaded Micelle-Embedded Polyplexes as a Potential Treatment of Idiopathic Pulmonary Fibrosis. *ACS applied materials & interfaces*, 17(8), 11861.

Palacio V, et al. (2025) Single-cell profiling of penta- and tetradactyl mouse limb buds identifies mesenchymal progenitors controlling digit numbers and identities. *Nature communications*, 16(1), 1226.

Duong TE, et al. (2025) A Multimodal Spatial and Epigenomic Atlas of Human Adult Lung Topography. *bioRxiv : the preprint server for biology*.

Qiao X, et al. (2025) LIMA1-alpha staining predicts curative intent surgery response in HPV negative head and neck cancer. *EMBO molecular medicine*, 17(8), 2095.

Yang Z, et al. (2025) Phosphorylation enables progressive microtubule-associated protein proteolysis and functionalisation during neural development. *bioRxiv : the preprint server for biology*.

Zarges C, et al. (2025) The mitochondrial disulphide relay substrate FAM136A safeguards IMS proteostasis and cellular fitness. *Redox biology*, 87, 103884.

Chester M, et al. (2025) Reduction in minipubertal gonadotropin levels alters reproductive lifespan and ovarian follicular loss in female mice. *Human reproduction (Oxford, England)*, 40(4), 717.

Lee JTH, et al. (2025) Integrated histopathology, spatial and single cell transcriptomics resolve cellular drivers of early and late alveolar damage in COVID-19. *Nature communications*, 16(1), 1979.