

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

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

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: 20260808T185744+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 190 mentions in open access literature.

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

Shakir D, et al. (2026) NF- κ B is a central regulator of hypoxia-induced gene expression. EMBO reports, 27(2), 416.

Singh RN, et al. (2026) Restoration of Defective CFTR in Human Nasal Respiratory Epithelial Cells by CFTR Modulators and mRNA Transfection. International journal of molecular sciences, 27(4).

Reinger C, et al. (2026) Intestinal obstruction impairs feeding and promotes sleep in Drosophila melanogaster. Science advances, 12(21), eady2183.

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

Pereirinha J, et al. (2026) SLBP-independent control of maternal histone mRNA. bioRxiv : the preprint server for biology.

Romero IC, et al. (2026) Digitizing microscope slide-based natural history collections: A protocol using slide scanner technology. PloS one, 21(4), e0346139.

Kalamara M, et al. (2026) Regulatory rewiring drives intraspecies competition in Bacillus subtilis. PLoS genetics, 22(2), e1012050.

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

Damani-Yokota P, et al. (2026) Type 2 immune history imprints local training in nerve and airway associated interstitial macrophages (NAMs) for disease tolerance during lethal respiratory viral infection. Research square.

Bleau JR, et al. (2026) Aphid effector pair Mp1-Mp58 forms an effector complex that targets a host trafficking protein. Journal of experimental botany, 77(12), 3880.

Höppner S, et al. (2026) Telomere damage enhances immunogenicity of neuroblastoma and accelerates response to anti-PD-L1 treatment. Oncoimmunology, 15(1), 2653918.

Dost AFM, et al. (2026) Interferon- γ selectively promotes survival of alveolar progenitor cells in a human lung organoid model. The EMBO journal, 45(10), 3364.

Klink N, et al. (2026) Targeted degradation of USP7 in solid cancer cells reveals distinct effects of deubiquitinase degraders and inhibitors. Nature communications, 17(1).

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.

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

Devlin KL, et al. (2025) Growth factors maintain intratumoral heterogeneity and drive therapeutic resistance in triple-negative breast cancer. Cell reports, 45(1), 116826.

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.

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

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

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