Resource Summary Report

Generated by dkNET on Sep 16, 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: data management software, data processing software, data visualization software, image analysis software, software application, software resource

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: 20260912T195543+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 dkNET .

Shakir D, et al. (2026) NF-?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).

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

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

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

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

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.

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.

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.

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

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

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. bioRxiv : the preprint server for biology.

Gkotsoulias 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.