Resource Summary Report

Generated by dkNET on Apr 28, 2025

MetaMorph Microscopy Automation and Image Analysis Software

RRID:SCR_002368
Type: Tool

Proper Citation

MetaMorph Microscopy Automation and Image Analysis Software (RRID:SCR_002368)

Resource Information

URL: http://www.moleculardevices.com/Products/Software/Meta-Imaging-Series/MetaMorph.html

Proper Citation: MetaMorph Microscopy Automation and Image Analysis Software (RRID:SCR_002368)

Description: Software tool for automated microscope acquisition, device control, and image analysis. Used for integrating dissimilar fluorescent microscope hardware and peripherals into a single custom workstation, while providing all the tools needed to perform analysis of acquired images. Offers user friendly application modules for analysis such as cell signaling, cell counting, and protein expression.

Abbreviations: MetaMorph

Synonyms: MetaMorph version 7.8.0.0, Molecular Devices Metamorph Premier Software, MetaMorph image analysis software, MetaMorph Microscopy Automation and Image Analysis Software

Resource Type: data processing software, software resource, data acquisition software, image acquisition software, image analysis software, software application

Defining Citation: PMID:18367250

Keywords: automated, microscope, acquisition, device, control, image, analysis, fluorescent, cell, signaling, counting, protein, expression, Molecular Devices

Funding:

Availability: Commercially available

Resource Name: MetaMorph Microscopy Automation and Image Analysis Software

Resource ID: SCR_002368

Alternate IDs: SciRes_000136

Record Creation Time: 20220129T080213+0000

Record Last Update: 20250428T052938+0000

Ratings and Alerts

No rating or validation information has been found for MetaMorph Microscopy Automation and Image Analysis Software.

No alerts have been found for MetaMorph Microscopy Automation and Image Analysis Software.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 8008 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Kawasumi R, et al. (2025) Systemic administration of induced pluripotent stem cell-derived mesenchymal stem cells improves cardiac function through extracellular vesicle-mediated tissue repair in a rat model of ischemic cardiomyopathy. Regenerative therapy, 28, 253.

Huang X, et al. (2025) Molecular condensation of the CO/NF-YB/NF-YC/FT complex gates floral transition in Arabidopsis. The EMBO journal, 44(1), 225.

Phipps J, et al. (2025) Cohesin complex oligomerization maintains end-tethering at DNA double-strand breaks. Nature cell biology, 27(1), 118.

Hasenauer FC, et al. (2025) Genome-wide mapping of spontaneous DNA replication error-hotspots using mismatch repair proteins in rapidly proliferating Escherichia coli. Nucleic acids research, 53(2).

Inberg S, et al. (2025) Sensory experience controls dendritic structure and behavior by distinct pathways involving degenerins. eLife, 14.

Lima BA, et al. (2025) Genetic modulation of RNA splicing rescues BRCA2 function in mutant cells. Life science alliance, 8(3).

Mautone L, et al. (2025) Understanding retinal tau pathology through functional 2D and 3D iPSC-derived in vitro retinal models. Acta neuropathologica communications, 13(1), 19.

Gould M, et al. (2025) Location and Movement of the Oxytocin Receptor Differ Between the Normal and Diseased Prostate. Cancers, 17(2).

Qureshi NS, et al. (2025) Tracking transcription-translation coupling in real time. Nature, 637(8045), 487.

Ren Z, et al. (2025) SMC translocation is unaffected by an excess of nucleoid associated proteins in vivo. Scientific reports, 15(1), 2447.

Itsuno M, et al. (2025) MAPT-A152T mutation drives neuronal hyperactivity through Fyn-NMDAR signaling in human iPSC-Derived neurons: Insights into Alzheimer's pathogenesis. Regenerative therapy, 28, 201.

Rios KT, et al. (2025) Widespread release of translational repression across Plasmodium's host-to-vector transmission event. PLoS pathogens, 21(1), e1012823.

Hervé S, et al. (2025) Chromosome mis-segregation triggers cell cycle arrest through a mechanosensitive nuclear envelope checkpoint. Nature cell biology, 27(1), 73.

Seifert-Dávila W, et al. (2025) Structural and kinetic insights into tRNA promoter engagement by yeast general transcription factor TFIIIC. Nucleic acids research, 53(1).

Harada K, et al. (2025) Intestinal butyric acid-mediated disruption of gut hormone secretion and lipid metabolism in vasopressin receptor-deficient mice. Molecular metabolism, 91, 102072.

Antinone SE, et al. (2025) Tethered release of the pseudorabies virus deubiquitinase from the capsid promotes enzymatic activity. Journal of virology, 99(1), e0151724.

Vora M, et al. (2025) Genome-wide analysis of Smad and Schnurri transcription factors in C. elegans demonstrates widespread interaction and a function in collagen secretion. eLife, 13.

Nelson KA, et al. (2025) The Drosophila hematopoietic niche assembles through collective cell migration controlled by neighbor tissues and Slit-Robo signaling. eLife, 13.

Nie L, et al. (2025) Klp2-mediated Rsp1-Mto1 colocalization inhibits microtubule-dependent microtubule assembly in fission yeast. Science advances, 11(1), eadq0670.

Shioi G, et al. (2025) Trans-scale live-imaging of an E5.5 mouse embryo using incubator-type biaxial light-sheet microscopy. Life science alliance, 8(3).