

Resource Summary Report

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

Defining Citation: [PMID:18367250](#)

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

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: 20260729T044024+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 8275 mentions in open access literature.

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

Park JY, et al. (2026) Engineering and evaluation of precision-glycosylated clickable albumin nanoplatfrom for targeting the tumor microenvironment. *Theranostics*, 16(3), 1482.

Panda K, et al. (2026) HIV disrupts the lung molecular clock, leading to lung inflammation and features of emphysema. *Communications biology*, 9(1), 11.

Liu J, et al. (2026) Trade-off between branching and polarity controls decision-making during cell migration. *Science advances*, 12(1), eads2734.

Favarin A, et al. (2026) Actomyosin-dependent assembly of the mechanosensitive machinery from adherens junctions triggers actin polymerization and organization. *Science advances*, 12(1), eady4863.

Estaún-Panzano J, et al. (2026) Nanoscopic Mapping of the Extracellular Space in Amyloid Plaque-rich Cortex. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(1), e15674.

O'Brien SL, et al. (2026) Intracrine FFA4 signaling controls lipolysis at lipid droplets. *Nature chemical biology*, 22(1), 109.

Boyer NP, et al. (2026) Spectrin condensates provide a nidus for assembling the axonal membrane-associated periodic skeleton. *iScience*, 29(1), 114454.

Suhag M, et al. (2026) Mechanical feedback between a transient core cell and a contractile valve ensures robust organ morphogenesis in *C. elegans*. *Current biology : CB*,

36(2), 307.

Simkin D, et al. (2025) Machine Learning Resolves Functional Phenotypes and Therapeutic Responses in KCNQ2 Developmental Epileptic Encephalopathy iPSC Models. *bioRxiv : the preprint server for biology*.

Narozna M, et al. (2025) Origin of chromosome 12 trisomy surge in human induced pluripotent stem cells. *The Journal of cell biology*, 224(11).

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

Kijima ST, et al. (2025) Control of plasma membrane-associated actin polymerization specifies the pattern of the cell wall in xylem vessels. *Nature communications*, 16(1), 1921.

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.

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.

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

Pertici I, et al. (2025) Creatine transporter (SLC6A8) knockout mice exhibit reduced muscle performance, disrupted mitochondrial Ca²⁺ homeostasis, and severe muscle atrophy. *Cell death & disease*, 16(1), 99.

Wagner AS, et al. (2025) GATA1-deficient human pluripotent stem cells generate neutrophils with improved antifungal immunity that is mediated by the integrin CD18. *PLoS pathogens*, 21(2), e1012654.

Akabuogu E, et al. (2025) Emergence of ion-channel-mediated electrical oscillations in *Escherichia coli* biofilms. *eLife*, 13.

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).