

Resource Summary Report

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uManager

RRID:SCR_000415

Type: Tool

Proper Citation

uManager (RRID:SCR_000415)

Resource Information

URL: <http://micro-manager.org>

Proper Citation: uManager (RRID:SCR_000415)

Description: Software package for control of automated microscopes. Cross-platform desktop application, to control motorized microscopes, scientific cameras, stages, illuminators, and other microscope accessories.

Synonyms: Micro-Manager, Micro Manager

Resource Type: data processing software, data acquisition software, software application, software resource, software toolkit

Keywords: microscopy, plugin, data acquisition, automated microscope control,

Funding:

Availability: Free, Freely available

Resource Name: uManager

Resource ID: SCR_000415

Alternate IDs: SCR_016865, nlx_155812

Alternate URLs: https://micro-manager.org/wiki/Download_Micro-Manager_Latest_Release, <https://sources.debian.org/src/micromanager/>, <http://www.nitrc.org/projects/micromanager>

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Ratings and Alerts

No rating or validation information has been found for uManager.

No alerts have been found for uManager.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 269 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Gama de Barcellos Filho P, et al. (2024) Oxytocin and corticotropin-releasing hormone exaggerate nucleus tractus solitarius neuronal and synaptic activity following chronic intermittent hypoxia. *The Journal of physiology*, 602(14), 3375.

Acreman S, et al. (2024) The endoplasmic reticulum plays a key role in β -cell intracellular Ca^{2+} dynamics and glucose-regulated glucagon secretion in mouse islets. *iScience*, 27(5), 109665.

Cheng H, et al. (2024) Phasic/tonic glial GABA differentially transduce for olfactory adaptation and neuronal aging. *Neuron*.

Laefferenz-Schlogelhofer H, et al. (2024) Bioelectric control of locomotor gaits in the walking ciliate *Euplotes*. *Current biology : CB*, 34(4), 697.

Northey JJ, et al. (2024) Mechanosensitive hormone signaling promotes mammary progenitor expansion and breast cancer risk. *Cell stem cell*, 31(1), 106.

Ho DV, et al. (2024) Post-meiotic mechanism of facultative parthenogenesis in gonochoristic whiptail lizard species. *eLife*, 13.

Shore AN, et al. (2024) Heterozygous expression of a *Kcnt1* gain-of-function variant has differential effects on somatostatin- and parvalbumin-expressing cortical GABAergic neurons. *eLife*, 13.

Campbell EP, et al. (2023) Electrical signals in the ER are cell type and stimulus specific with extreme spatial compartmentalization in neurons. *Cell reports*, 42(1), 111943.

Dimou E, et al. (2023) Super-resolution imaging unveils the self-replication of tau aggregates upon seeding. *Cell reports*, 42(7), 112725.

Smith LJ, et al. (2023) The GBA variant E326K is associated with alpha-synuclein aggregation and lipid droplet accumulation in human cell lines. *Human molecular genetics*, 32(5), 773.

Jiang ZJ, et al. (2023) The SphK1/S1P Axis Regulates Synaptic Vesicle Endocytosis via TRPC5 Channels. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(21), 3807.

van Breugel ME, et al. (2023) Locus-specific proteome decoding reveals Fpt1 as a chromatin-associated negative regulator of RNA polymerase III assembly. *Molecular cell*, 83(23), 4205.

Bakshi A, et al. (2023) Cytoplasmic division cycles without the nucleus and mitotic CDK/cyclin complexes. *Cell*, 186(21), 4694.

Reinhart KM, et al. (2023) Ketamine improves neuronal recovery following spreading depolarization in peri-infarct tissues. *Journal of neurochemistry*.

Fernandez-Abascal J, et al. (2022) A glial CIC Cl⁻ channel mediates nose touch responses in *C. elegans*. *Neuron*, 110(3), 470.

Hoffman JA, et al. (2022) Multimodal regulatory elements within a hormone-specific super enhancer control a heterogeneous transcriptional response. *Molecular cell*, 82(4), 803.

Virdi GS, et al. (2022) Protein aggregation and calcium dysregulation are hallmarks of familial Parkinson's disease in midbrain dopaminergic neurons. *NPJ Parkinson's disease*, 8(1), 162.

Wang L, et al. (2022) Glial regulators of ions and solutes required for specific chemosensory functions in *Caenorhabditis elegans*. *iScience*, 25(12), 105684.

Banta KL, et al. (2022) Mechanistic convergence of the TIGIT and PD-1 inhibitory pathways necessitates co-blockade to optimize anti-tumor CD8⁺ T cell responses. *Immunity*, 55(3), 512.

Chen D, et al. (2022) The Voltage-Gated Calcium Channel EGL-19 Acts on Glia to Drive Olfactory Adaptation. *Frontiers in molecular neuroscience*, 15, 907064.