

Resource Summary Report

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Huygens Software

RRID:SCR_014237

Type: Tool

Proper Citation

Huygens Software (RRID:SCR_014237)

Resource Information

URL: <https://svi.nl/HuygensSoftware>

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Description: A set of fluorescence microscope image processing packages which perform image restoration, interactive analysis, and volume visualization of 2D and 3D multi channel microscopy images or time series. The restoration is based on different deconvolution algorithms, that permit the recovery of objects from images that are degraded by blurring and noise. Tutorials and documentation are available on the website.

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

Keywords: deconvolution, fluorescence microscopy, volume visualization, image analysis software, image restoration

Availability: Acknowledgement requested, Freeware is available, Some tools require a license

Resource Name: Huygens Software

Resource ID: SCR_014237

License: May obtain a test license

Record Creation Time: 20220129T080319+0000

Record Last Update: 20260814T042909+0000

Ratings and Alerts

No rating or validation information has been found for Huygens Software.

No alerts have been found for Huygens Software.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 468 mentions in open access literature.

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

Siedlecki-Wullich D, et al. (2026) Inflammatory stimulus enhances synaptic material uptake by adult APP microglia in a microfluidic neuron-microglia co-culture model. *Journal of neuroinflammation*, 23(1).

Mrkacek M, et al. (2026) ORMDL Proteins Turnover via Proteasome and Autophagy Is Cell-Type Dependent and Tied to Ceramide Homeostasis. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 40(6), e71655.

Rahmani M, et al. (2026) Type 2 diabetes disrupts T-tubule and RyR2 organization in male but not in female rat ventricular muscle. *American journal of physiology. Heart and circulatory physiology*, 330(4), H1048.

Bacher MC, et al. (2026) Divergent Rickettsia species exhibit distinct mechanisms of actin-based motility. *The Journal of cell biology*, 225(7).

Goral RO, et al. (2026) Mesoscopic analysis of GABAergic marker expression in acetylcholine neurons in the whole mouse brain. *iScience*, 29(1), 114531.

Chirackal Jose A, et al. (2026) Plasma membrane mediated GLUT10 mitochondrial targeting regulates intracellular ascorbic acid homeostasis. *iScience*, 29(6), 115891.

Hasegawa K, et al. (2026) Age-related decline in nuclear envelope LINC complex drives neuronal aging via axon initial segment dysfunction. *EMBO reports*, 27(13), 3788.

Bissen D, et al. (2026) Ethological learning during the critical period resets synaptic setpoints in mouse binocular visual cortex. *Neuron*.

Ramirez JJ, et al. (2026) Astrocyte-microglia crosstalk through Hevin and Toll-like receptor signaling controls developmental thalamocortical synapse refinement. *Neuron*, 114(8), 1433.

Abdrakhmanov A, et al. (2026) A lineage-specific selective autophagy receptor module mediates P-body turnover. *Developmental cell*, 61(4), 744.

Larsson E, et al. (2026) Lipid packing contributes to the confinement of caveolae to the plasma membrane. *eLife*, 14.

Taneja N, et al. (2026) The actin crosslinker Fimbrin is required for force sensing at tricellular junctions. *Developmental cell*.

Atchou K, et al. (2025) Expanding the fluorescent toolkit: Blue fluorescent protein-expressing *Plasmodium berghei* for enhanced multiplex microscopy. *PloS one*, 20(3), e0308055.

Liu H, et al. (2025) Mechanisms that regulate the C1-C2B mutual inhibition control functional switch of UNC-13. *eLife*, 14.

Han X, et al. (2025) MSC transplantation ameliorates depression in lupus by suppressing Th1 cell-shaped synaptic stripping. *JCI insight*, 10(8).

Yu J, et al. (2025) Genetically-encoded markers for confocal visualization of single dense core vesicles. *Communications biology*, 8(1), 383.

Leon-Diaz F, et al. (2025) Translation of unspliced retroviral genomic RNA in the host cell is regulated in both space and time. *The Journal of cell biology*, 224(4).

Kondrychyn I, et al. (2025) Combined forces of hydrostatic pressure and actin polymerization drive endothelial tip cell migration and sprouting angiogenesis. *eLife*, 13.

Hrckulak D, et al. (2025) Development of a new flippase-dependent mouse model for red fluorescence-based isolation of KRASG12D oncogene-expressing tumor cells. *Transgenic research*, 34(1), 9.

von Glasenapp V, et al. (2025) Spatio-temporal control of mitosis using light via a Plk1 inhibitor caged for activity and cellular permeability. *Nature communications*, 16(1), 1599.