

Resource Summary Report

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MPScope

RRID:SCR_000065

Type: Tool

Proper Citation

MPScope (RRID:SCR_000065)

Resource Information

URL: <http://physics.ucsd.edu/neurophysics/links.html>

Proper Citation: MPScope (RRID:SCR_000065)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on August 16,2023. Software suite for custom-built multiphoton microscopes available as freeware for the Wintel platform. The MPScope package features the acquisition software MPScan, analysis program MPView and several software utilities.

Abbreviations: MPScope

Resource Type: software resource, software toolkit

Defining Citation: [PMID:16621010](https://pubmed.ncbi.nlm.nih.gov/16621010/)

Keywords: custom built multiphoton microscopes suite,

Funding:

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: MPScope

Resource ID: SCR_000065

Alternate IDs: nlx_155796

Alternate URLs: <http://www.nitrc.org/projects/mpscope>

Record Creation Time: 20220129T080159+0000

Record Last Update: 20250410T064506+0000

Ratings and Alerts

No rating or validation information has been found for MPScope.

No alerts have been found for MPScope.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Wagner MJ, et al. (2021) A neural circuit state change underlying skilled movements. *Cell*, 184(14), 3731.

Lin AC, et al. (2014) Sparse, decorrelated odor coding in the mushroom body enhances learned odor discrimination. *Nature neuroscience*, 17(4), 559.

Cianchetti FA, et al. (2013) Stimulus-evoked calcium transients in somatosensory cortex are temporarily inhibited by a nearby microhemorrhage. *PloS one*, 8(5), e65663.

Chausson P, et al. (2013) Dynamics of intrinsic dendritic calcium signaling during tonic firing of thalamic reticular neurons. *PloS one*, 8(8), e72275.

Shih AY, et al. (2013) The smallest stroke: occlusion of one penetrating vessel leads to infarction and a cognitive deficit. *Nature neuroscience*, 16(1), 55.

Perisse E, et al. (2013) Different kenyon cell populations drive learned approach and avoidance in *Drosophila*. *Neuron*, 79(5), 945.

Blinder P, et al. (2013) The cortical angiome: an interconnected vascular network with noncolumnar patterns of blood flow. *Nature neuroscience*, 16(7), 889.

Norris G, et al. (2012) Increased signals from short-wavelength-excited fluorescent molecules using sub-Ti:Sapphire wavelengths. *Journal of microscopy*, 248(2), 200.

Kim TN, et al. (2012) Line-scanning particle image velocimetry: an optical approach for quantifying a wide range of blood flow speeds in live animals. *PloS one*, 7(6), e38590.

Norris G, et al. (2012) A promising new wavelength region for three-photon fluorescence microscopy of live cells. *Journal of microscopy*, 246(3), 266.