

Resource Summary Report

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Scope

RRID:SCR_017454

Type: Tool

Proper Citation

Scope (RRID:SCR_017454)

Resource Information

URL: <http://rkscope.sourceforge.net/>

Proper Citation: Scope (RRID:SCR_017454)

Description: Two photon microscope control software with multi area capabilities.

Resource Type: software resource, software application

Keywords: Two, photon, microscope, control, BRAIN Initiative

Funding: NINDS NS090475

Availability: Free, Available for download, Freely available

Resource Name: Scope

Resource ID: SCR_017454

Record Creation Time: 20220129T080335+0000

Record Last Update: 20260801T191108+0000

Ratings and Alerts

No rating or validation information has been found for Scope.

No alerts have been found for Scope.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Itkis DG, et al. (2025) Luminos: open-source software for bidirectional microscopy. bioRxiv : the preprint server for biology.

Rupprecht P, et al. (2024) Centripetal integration of past events in hippocampal astrocytes regulated by locus coeruleus. *Nature neuroscience*, 27(5), 927.

Lee DG, et al. (2024) Perirhinal cortex learns a predictive map of the task environment. *Nature communications*, 15(1), 5544.

Germeys C, et al. (2024) Targeting EGLN2/PHD1 protects motor neurons and normalizes the astrocytic interferon response. *Cell reports*, 43(9), 114719.

Vessey KA, et al. (2022) Treatments targeting autophagy ameliorate the age-related macular degeneration phenotype in mice lacking APOE (apolipoprotein E). *Autophagy*, 18(10), 2368.

Clough M, et al. (2021) Flexible simultaneous mesoscale two-photon imaging of neural activity at high speeds. *Nature communications*, 12(1), 6638.

Plana-Bonamaisó A, et al. (2020) Post-translational regulation of retinal IMPDH1 in vivo to adjust GTP synthesis to illumination conditions. *eLife*, 9.

Calvo E, et al. (2020) Deleterious Effect of NMDA Plus Kainate on the Inner Retinal Cells and Ganglion Cell Projection of the Mouse. *International journal of molecular sciences*, 21(5).

Kakavand K, et al. (2020) Photoreceptor Degeneration in Pro23His Transgenic Rats (Line 3) Involves Autophagic and Necroptotic Mechanisms. *Frontiers in neuroscience*, 14, 581579.

Plana-Bonamaisó A, et al. (2020) GCAP neuronal calcium sensor proteins mediate photoreceptor cell death in the rd3 mouse model of LCA12 congenital blindness by involving endoplasmic reticulum stress. *Cell death & disease*, 11(1), 62.

Omlor W, et al. (2019) Context-dependent limb movement encoding in neuronal populations of motor cortex. *Nature communications*, 10(1), 4812.

Potter S, et al. (2019) Effects of inhibiting mTOR with rapamycin on behavior, development, neuromuscular physiology and cardiac function in larval *Drosophila*. *Biology open*, 8(11).

Tang AD, et al. (2016) Construction and Evaluation of Rodent-Specific rTMS Coils. *Frontiers in neural circuits*, 10, 47.

Zhu YY, et al. (2013) Patterned high-frequency stimulation induces a form of long-term depression dependent on GABAA and mACh receptors in the hippocampus. *Neuroscience*, 250, 658.

López-Redondo F, et al. (1997) Effects of cannabinoid receptor ligands on electrophysiological properties of myenteric neurones of the guinea-pig ileum. *British journal of pharmacology*, 122(2), 330.