

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 application, software resource

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: 20250508T065753+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

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

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.

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.

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).

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

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.