

Resource Summary Report

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Suite2P

RRID:SCR_016434

Type: Tool

Proper Citation

Suite2P (RRID:SCR_016434)

Resource Information

URL: <https://github.com/cortex-lab/Suite2P>

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Description: Software package for processing two-photon recordings. Available together with a graphical user interface that allows manual curation of the results. Used in two-photon microscopy for the analysis of data from two-photon imaging. Registers raw movies, detects active cells, extracts their calcium traces and infers their spike times.

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

Keywords: two, photon, microscopy, processing, image, data, record

Availability: Free, Available for download, Freely available

Resource Name: Suite2P

Resource ID: SCR_016434

License: GNU General Public License, GUI

Record Creation Time: 20220129T080330+0000

Record Last Update: 20260912T195839+0000

Ratings and Alerts

No rating or validation information has been found for Suite2P.

No alerts have been found for Suite2P.

Data and Source Information

Usage and Citation Metrics

We found 84 mentions in open access literature.

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

Li VJ, et al. (2026) Protocol for blastomere injection to generate bilateral hemimosaic *Xenopus* tadpoles. STAR protocols, 7(1), 104387.

Wengert ER, et al. (2026) Impaired excitability of fast-spiking neurons in a novel mouse model of KCNC1 epileptic encephalopathy. eLife, 13.

Rajan R, et al. (2026) Visual experience exerts an instructive role on cortical feedback inputs to the primary visual cortex. Current biology : CB, 36(4), 1033.

Benfey NJ, et al. (2026) Norepinephrine acts through radial astrocytes in the developing optic tectum to enhance threat detection and escape behavior. Cell reports, 45(2), 116911.

Jeong M, et al. (2026) Distinct interneuronal dynamics selectively gate target-specific cortical projections in drug seeking. Neuron, 114(10), 1800.

Niethard N, et al. (2026) Sleep spindles promote hippocampal network downregulation during sleep. Current biology : CB, 36(6), 1385.

Hendricks WD, et al. (2026) Feature-tuned synaptic inputs to somatostatin interneurons drive context-dependent processing. Neuron, 114(7), 1257.

Zhao Y, et al. (2026) Multimodal imaging of gene expression, morphology, and activity of the same neuron. Cell, 189(15), 4792.

Wright WJ, et al. (2026) Local plasticity underlies the reorganization of cortical circuit dynamics during motor learning. Current biology : CB, 36(12), 3020.

Zanella E, et al. (2026) Damage-induced i-loops generate eccDNA from repetitive elements. Molecular cell, 86(10), 1856.

Zhang YE, et al. (2026) Adaptive reorganization of history encoding in the retrosplenial cortex supports flexible decision-making strategies. Neuron, 114(12), 2272.

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

Huang JY, et al. (2025) From initial formation to developmental refinement: GABAergic inputs shape neuronal subnetworks in the primary somatosensory cortex. iScience, 28(3), 112104.

Kim JH, et al. (2025) A combinatorial neural code for long-term motor memory. Nature, 637(8046), 663.

Abd El Hay MY, et al. (2025) Diverging roles of TRPV1 and TRPM2 in warm-temperature detection. *eLife*, 13.

Kow TF, et al. (2025) Surrogate GPR139 Agonists Reverse Short-Term Startle Habituation Impairment in Larval Zebrafish. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(10), e70656.

Wolcott NS, et al. (2025) The estrous cycle modulates hippocampal spine dynamics, dendritic processing, and spatial coding. *Neuron*, 113(14), 2297.

Scheer I, et al. (2025) The olivocerebellar system differentially encodes the effect sensory events exert on behavior. *Cell reports*, 44(10), 116444.

Shymkiv Y, et al. (2025) Slow cortical dynamics generate context processing and novelty detection. *Neuron*, 113(6), 847.

Wu CH, et al. (2025) Learning-Associated Flexibility of Cortical Taste Coding Is Impaired in Shank3 Knockout Mice. *bioRxiv : the preprint server for biology*.