Resource Summary Report

Generated by ASWG on Aug 2, 2026

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

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: 20260801T190532+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

Source: SciCrunch Registry

Usage and Citation Metrics

We found 71 mentions in open access literature.

Listed below are recent publications. The full list is available at ASWG .

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

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.

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.

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

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

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

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

Savani RH, et al. (2025) Individual paraventricular hypothalamic GLP-1R neurons track ingestion across energy states. iScience, 28(12), 114070.

Someya M, et al. (2025) Distinct circuit motifs evaluate opposing innate values of odors. Cell.

Lo H, et al. (2025) Feeding-induced olfactory cortex suppression reduces satiation. Neuron, 113(17), 2856.

Bounds HA, et al. (2025) Network influence determines the impact of cortical ensembles on stimulus detection. Neuron, 113(14), 2358.

Majumdar A, et al. (2025) Distinct representations of economic variables across regions and projections of the frontal cortex. Neuron, 113(24), 4232.

Mishra W, et al. (2024) Activation of M1 cholinergic receptors in mouse somatosensory cortex enhances information processing and detection behaviour. Communications

biology, 7(1), 3.

Gauld OM, et al. (2024) A latent pool of neurons silenced by sensory-evoked inhibition can be recruited to enhance perception. Neuron, 112(14), 2386.

Conway M, et al. (2024) Perceptual constancy for an odor is acquired through changes in primary sensory neurons. Science advances, 10(50), eado9205.

Huang Y, et al. (2024) Interactions between excitatory neurons and parvalbumin interneurons in V1 underlie neural mechanisms of amblyopia and visual stimulation treatment. Communications biology, 7(1), 1564.

Zada D, et al. (2024) Development of neural circuits for social motion perception in schooling fish. Current biology : CB, 34(15), 3380.

M??dol L, et al. (2024) Somatostatin interneurons control the timing of developmental desynchronization in cortical networks. Neuron, 112(12), 2015.

Marriott BA, et al. (2024) Brain-state-dependent constraints on claustrocortical communication and function. Cell reports, 43(1), 113620.