

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 15, 2026

Flycircuit

RRID:SCR_006375

Type: Tool

Proper Citation

Flycircuit (RRID:SCR_006375)

Resource Information

URL: <http://www.flycircuit.tw/>

Proper Citation: Flycircuit (RRID:SCR_006375)

Description: FlyCircuit is a public database for online archiving, cell type inventory, browsing, searching, analysis and 3D visualization of individual neurons in the Drosophila brain.

Synonyms: Fly Circuit - A Database of Drosophila Brain Neurons, Fly Circuit, Flycircuit database, Fly Circuit Database, FlyCircuit - A Database of Drosophila Brain Neurons

Resource Type: atlas, data or information resource, database, service resource, storage service resource

Defining Citation: [PMID:21129968](#)

Keywords: drosophila, fly brain, neuron reconstruction, bio.tools, FASEB list

Resource Name: Flycircuit

Resource ID: SCR_006375

Alternate IDs: r3d100012173, nif-0000-07738, biotools:FlyCircuit

Alternate URLs: <https://bio.tools/FlyCircuit>, <https://doi.org/10.17616/R3293N>

Record Creation Time: 20220129T080235+0000

Record Last Update: 20260912T195639+0000

Ratings and Alerts

No rating or validation information has been found for Flycircuit.

No alerts have been found for Flycircuit.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 50 mentions in open access literature.

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

Deutsch D, et al. (2025) Sexually-dimorphic neurons in the Drosophila whole-brain connectome. Research square.

Tzou FY, et al. (2025) Functional profiling and visualization of the sphingolipid metabolic network in vivo. EMBO reports, 26(24), 6380.

Milisav F, et al. (2025) A simulated annealing algorithm for randomizing weighted networks. Nature computational science, 5(1), 48.

Deutsch D, et al. (2025) Sexually-dimorphic neurons in the Drosophila whole-brain connectome. bioRxiv : the preprint server for biology.

Yamakoshi H, et al. (2025) Mating status-dependent dopaminergic modulation of auditory sensory neurons in Drosophila. iScience, 28(9), 113232.

Su??rez LE, et al. (2024) Connectome-based reservoir computing with the conn2res toolbox. Nature communications, 15(1), 656.

Hsu KY, et al. (2024) LYNSU: automated 3D neuropil segmentation of fluorescent images for Drosophila brains. Frontiers in neuroinformatics, 18, 1429670.

Aimon S, et al. (2023) Global change in brain state during spontaneous and forced walk in Drosophila is composed of combined activity patterns of different neuron classes. eLife, 12.

Sizemore TR, et al. (2023) Heterogeneous receptor expression underlies non-uniform peptidergic modulation of olfaction in Drosophila. Nature communications, 14(1), 5280.

Dorkenwald S, et al. (2022) FlyWire: online community for whole-brain connectomics. Nature methods, 19(1), 119.

Galili DS, et al. (2022) Connectomics and the neural basis of behaviour. Current opinion in insect science, 54, 100968.

Sterne GR, et al. (2021) Classification and genetic targeting of cell types in the primary taste and premotor center of the adult Drosophila brain. eLife, 10.

Chiu H, et al. (2021) A circuit logic for sexually shared and dimorphic aggressive behaviors in Drosophila. Cell, 184(2), 507.

Su CZ, et al. (2021) Identification of Neuronal Polarity by Node-Based Machine Learning. *Neuroinformatics*, 19(4), 669.

Heinze S, et al. (2021) A unified platform to manage, share, and archive morphological and functional data in insect neuroscience. *eLife*, 10.

Shih CT, et al. (2021) NeuroRetriever: Automatic Neuron Segmentation for Connectome Assembly. *Frontiers in systems neuroscience*, 15, 687182.

Lazar AA, et al. (2021) Accelerating with FlyBrainLab the discovery of the functional logic of the *Drosophila* brain in the connectomic and synaptomic era. *eLife*, 10.

Tai CY, et al. (2021) Comprehensive map of visual projection neurons for processing ultraviolet information in the *Drosophila* brain. *The Journal of comparative neurology*, 529(8), 1988.

Bates AS, et al. (2020) Complete Connectomic Reconstruction of Olfactory Projection Neurons in the Fly Brain. *Current biology : CB*, 30(16), 3183.

Marin EC, et al. (2020) Connectomics Analysis Reveals First-, Second-, and Third-Order Thermosensory and Hygrosensory Neurons in the Adult *Drosophila* Brain. *Current biology : CB*, 30(16), 3167.