Resource Summary Report

Generated by <u>NIF</u> on May 16, 2025

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, service resource, data or information resource, database, storage service resource

Defining Citation: PMID:21129968

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

Funding:

Resource Name: Flycircuit

Resource ID: SCR_006375

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

Alternate URLs: https://bio.tools/FlyCircuit

Record Creation Time: 20220129T080235+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 46 mentions in open access literature.

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

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

Suárez 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.

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

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.

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

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.

Deutsch D, et al. (2020) The neural basis for a persistent internal state in Drosophila females. eLife, 9.

Bates AS, et al. (2020) The natverse, a versatile toolbox for combining and analysing neuroanatomical data. eLife, 9.

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.

Morimoto MM, et al. (2020) Spatial readout of visual looming in the central brain of Drosophila. eLife, 9.

Seguin C, et al. (2019) Inferring neural signalling directionality from undirected structural connectomes. Nature communications, 10(1), 4289.