

Resource Summary Report

Generated by ASWG on Aug 30, 2026

MIRROR: FlyBrain, An Online Atlas and Database of the Drosophila Nervous System

RRID:SCR_007661

Type: Tool

Proper Citation

MIRROR: FlyBrain, An Online Atlas and Database of the Drosophila Nervous System (RRID:SCR_007661)

Resource Information

URL: <http://flybrain.neurobio.arizona.edu/>

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Description: An interactive database of the Drosophila melanogaster nervous system. It is used by the drosophila neuroscience community and by other researchers studying arthropod brain structure. Flybrain contains neuroanatomical peer reviewed descriptions of the central and peripheral nervous system of Drosophila melanogaster. It also contains an introductory hypertext tour guide to the basic structure of the nervous system, as well as more specific information concerning different anatomical structures, developmental stages, and visualization techniques for the Drosophila nervous system. Additionally, The site contains schematic representations, a 3D project, immunocytology stains, a library of golgi impregnations, and enhancer-trap images.

Synonyms: FlyBrain

Resource Type: atlas, data or information resource, data processing software, software application, software resource, training resource

Keywords: drosophila melanogaster, drosophila melanogaster nervous system, drosophila melanogaster neuroanatomy, ganglion, gene, 3-dimensional, abdominal, anatomy, arthropod, autofluorescence, chemical, development, developmental, golgi, histology, immunocytology, impregnation, map, model, morphology, nervous system, neuroanatomical, neuroanatomy, neuron, neuropil, periphery, phenotype, structure, thoracic, visualization

Resource Name: MIRROR: FlyBrain, An Online Atlas and Database of the Drosophila Nervous System

Resource ID: SCR_007661

Alternate IDs: nif-0000-02843

Record Creation Time: 20220129T080243+0000

Record Last Update: 20260829T182255+0000

Ratings and Alerts

No rating or validation information has been found for MIRROR: FlyBrain, An Online Atlas and Database of the Drosophila Nervous System.

No alerts have been found for MIRROR: FlyBrain, An Online Atlas and Database of the Drosophila Nervous System.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Tang S, et al. (2010) Intrinsic activity in the fly brain gates visual information during behavioral choices. PloS one, 5(12), e14455.

Nikolaev A, et al. (2009) Network adaptation improves temporal representation of naturalistic stimuli in Drosophila eye: II mechanisms. PloS one, 4(1), e4306.

Homberg U, et al. (2008) Evolution of the central complex in the arthropod brain with respect to the visual system. Arthropod structure & development, 37(5), 347.

Galperin MY, et al. (2005) The Molecular Biology Database Collection: 2005 update. Nucleic acids research, 33(Database issue), D5.

Zemelman BV, et al. (2001) Genetic schemes and schemata in neurophysiology. Current opinion in neurobiology, 11(4), 409.