

Resource Summary Report

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Max Planck Institute of Neurobiology Systems and Computational Neurobiology

RRID:SCR_008048

Type: Tool

Proper Citation

Max Planck Institute of Neurobiology Systems and Computational Neurobiology
(RRID:SCR_008048)

Resource Information

URL: <http://www.neuro.mpg.de/borst>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on April 17,2025. Department devoted to the study of how motion information from retinal images is computed in the fly visual system and how this information is decoded for flight control.

Synonyms: MPI S&C Neurobiology

Resource Type: portal, organization portal, department portal, data or information resource

Keywords: drosophila melanogaster, experimental, expression, flight control, fly, fruitfly, genetic, activity in collaboration with winfried denk (mpi for medical research, analysis, animal, blow fly, brightness, cappiphora vicina, computed, heidelberg), indicator, intracellular, medulla, membrane, motion, natural, nervous, network, neural optic flow, neuron, pharmacology, property, retinal, specie, technique, the knowledge about the fly motion vision system goes into the development of miniature airborne vehicles (internrobofly). t, theoretical, this resource also try to fully reconstruct important parts of the optic lobes of both species at the ultrastructural level using his recently developed serial block face scanning electron microscope (internbluefly). biophysically realistic compartmental models of individual neurons obtained from 2p-image stacks allow us to reconstitute the network of motion processing neurons in computer simulations (internmodelfly). as a joint project with martin bussand kolja kuehnlentz, tissue, vector, visual system, image

Funding:**Availability:** THIS RESOURCE IS NO LONGER IN SERVICE**Resource Name:** Max Planck Institute of Neurobiology Systems and Computational Neurobiology**Resource ID:** SCR_008048**Alternate IDs:** nif-0000-10288**Old URLs:**

http://www.neuro.mpg.de/english/rd/scn/research/Theory_and_modeling_of_motion_vision/Compartmental_Download/index.html

Record Creation Time: 20220129T080245+0000**Record Last Update:** 20250418T055153+0000

Ratings and Alerts

No rating or validation information has been found for Max Planck Institute of Neurobiology Systems and Computational Neurobiology.

No alerts have been found for Max Planck Institute of Neurobiology Systems and Computational Neurobiology.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.