Resource Summary Report

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Max Planck Institute for Biological Intelligence Circuits - Computation – Models

RRID:SCR_008048
Type: Tool

Proper Citation

Max Planck Institute for Biological Intelligence Circuits - Computation – Models (RRID:SCR_008048)

Resource Information

URL: https://www.bi.mpg.de/borst

Proper Citation: Max Planck Institute for Biological Intelligence Circuits - Computation – Models (RRID:SCR_008048)

Description: Merger of the Max Planck Institute of Neurobiology and the Max Planck Institute of Ornithology and has been renamed to Circuits - Computation – Models. Department devoted to the study of how the brain computes to understand neural information processing at the level of individual neurons and small neural circuits.

Synonyms: , Max Planck Institute of Neurobiology Systems and Computational Neurobiology, Circuits - Computation – Models, MPI S&C Neurobiology

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

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 kuehnlenz, tissue, vector, visual system, image

Funding:

Resource Name: Max Planck Institute for Biological Intelligence Circuits - Computation – Models

Resource ID: SCR_008048

Alternate IDs: nif-0000-10288

Old URLs: http://www.neuro.mpg.de/borst, http://www.neuro.mpg.de/english/rd/scn/research/Theory_and_modeling_of_motion_vision/Compartme _Download/index.html

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Record Last Update: 20250519T203527+0000

Ratings and Alerts

No rating or validation information has been found for Max Planck Institute for Biological Intelligence Circuits - Computation – Models.

No alerts have been found for Max Planck Institute for Biological Intelligence Circuits - Computation – Models.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.