

Resource Summary Report

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Crustacean stomatogastric model neuron database

RRID:SCR_008260

Type: Tool

Proper Citation

Crustacean stomatogastric model neuron database (RRID:SCR_008260)

Resource Information

URL: <http://www.biology.emory.edu/research/Prinz/database/database.html>

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Description: This page describes the contents of a database of 1.7 million model neurons. This database is available for interested researchers after contacting the creators, but is not web accessible. The construction and analysis of the database are described in detail in Prinz AA, Billimoria CP, Marder E (2003). Alternative to hand-tuning conductance-based models: construction and analysis of databases of model neurons. J Neurophysiol 90: 3998-4015. Because of its size (over 6 GB even in the zipped version), it is not practicable to download the database over the internet. Instead, we have made multiple copies of the database on sets of two DVDs each. We are happy to send a set of DVDs to anybody who is interested upon e-mail request to Astrid Prinz.

Synonyms: CSMNDB

Resource Type: database, data or information resource

Keywords: current, model, modeling, neuronal currents

Funding:

Resource Name: Crustacean stomatogastric model neuron database

Resource ID: SCR_008260

Alternate IDs: nif-0000-22727

Record Creation Time: 20220129T080246+0000

Ratings and Alerts

No rating or validation information has been found for Crustacean stomatogastric model neuron database.

No alerts have been found for Crustacean stomatogastric model neuron database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Jiang X, et al. (2017) Sustainable Methods for Decontamination of Microcystin in Water Using Cold Plasma and UV with Reusable TiO₂ Nanoparticle Coating. International journal of environmental research and public health, 14(5).

Pereira TA, et al. (2017) Hydrogel increases localized transport regions and skin permeability during low frequency ultrasound treatment. Scientific reports, 7, 44236.

Trejo-Tzab R, et al. (2017) Controlled Phase Changes of Titania Using Nitrogen Plasma. Nanoscale research letters, 12(1), 32.

Huang H, et al. (2016) Data on the identification of protein interactors with the Evening Complex and PCH1 in Arabidopsis using tandem affinity purification and mass spectrometry (TAP-MS). Data in brief, 8, 56.

Robbins SJ, et al. (2016) Genome-Centric Analysis of Microbial Populations Enriched by Hydraulic Fracture Fluid Additives in a Coal Bed Methane Production Well. Frontiers in microbiology, 7, 731.

Huang H, et al. (2016) Identification of Evening Complex Associated Proteins in Arabidopsis by Affinity Purification and Mass Spectrometry. Molecular & cellular proteomics : MCP, 15(1), 201.

Huang H, et al. (2016) PCH1 integrates circadian and light-signaling pathways to control photoperiod-responsive growth in Arabidopsis. eLife, 5, e13292.

Wu G, et al. (2015) Graphitic carbon nitride nanosheet electrode-based high-performance ionic actuator. *Nature communications*, 6, 7258.

Gloster J, et al. (2011) Normal variation in thermal radiated temperature in cattle: implications for foot-and-mouth disease detection. *BMC veterinary research*, 7, 73.