Resource Summary Report

Generated by dkNET on Apr 22, 2025

Neuron Morpho

RRID:SCR_007270
Type: Tool

Proper Citation

Neuron Morpho (RRID:SCR_007270)

Resource Information

URL: http://www.maths.soton.ac.uk/staff/D'Alessandro/morpho/

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented May 10, 2017. A pilot effort that has developed a centralized, web-based biospecimen locator that presents biospecimens collected and stored at participating Arizona hospitals and biospecimen banks, which are available for acquisition and use by researchers. Researchers may use this site to browse, search and request biospecimens to use in qualified studies. The development of the ABL was guided by the Arizona Biospecimen Consortium (ABC), a consortium of hospitals and medical centers in the Phoenix area, and is now being piloted by this Consortium under the direction of ABRC. You may browse by type (cells, fluid, molecular, tissue) or disease. Common data elements decided by the ABC Standards Committee, based on data elements on the National Cancer Institute''s (NCI''s) Common Biorepository Model (CBM), are displayed. These describe the minimum set of data elements that the NCI determined were most important for a researcher to see about a biospecimen. The ABL currently does not display information on whether or not clinical data is available to accompany the biospecimens. However, a requester has the ability to solicit clinical data in the request. Once a request is approved, the biospecimen provider will contact the requester to discuss the request (and the requester''s questions) before finalizing the invoice and shipment. The ABL is available to the public to browse. In order to request biospecimens from the ABL, the researcher will be required to submit the requested required information. Upon submission of the information, shipment of the requested biospecimen(s) will be dependent on the scientific and institutional review approval. Account required. Registration is open to everyone., documented August 22, 2016. A plugin for ImageJ, an NIH-sponsored image viewer and analysis tool, that allows the user to extract from neuronal images measurements of coordinates and diameters of sections of neurons together with other information that can be used to reconstruct the neuron morphology. It allows the user to measure the x, y and z coordinates of a selected point of a stack of confocal images and the

radius of the corresponding section of the neuron together with other information that can be used to reconstruct the neuron morphology. The measurement output is in swc format. It is possible to transform it in a hoc file for the program neuron using the neuron morphology viewer cvapp.

Abbreviations: Neuron_Morpho

Synonyms: NeuronMorpho, Neuron_Morpho plugin, Neuron_Morpho plugin Homepage

Resource Type: software resource, data processing software, software application

Keywords: neuron, morphology

Funding:

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Neuron Morpho

Resource ID: SCR_007270

Alternate IDs: nif-0000-00106

Record Creation Time: 20220129T080240+0000

Record Last Update: 20250422T055404+0000

Ratings and Alerts

No rating or validation information has been found for Neuron Morpho.

No alerts have been found for Neuron Morpho.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Lefebvre R, et al. (2022) A path to gigantism: Three-dimensional study of the sauropodomorph limb long bone shape variation in the context of the emergence of the sauropod bauplan. Journal of anatomy, 241(2), 297.

Watanabe A, et al. (2019) Ecomorphological diversification in squamates from conserved pattern of cranial integration. Proceedings of the National Academy of Sciences of the United States of America, 116(29), 14688.

Wright SN, et al. (2013) Digital reconstruction and morphometric analysis of human brain arterial vasculature from magnetic resonance angiography. NeuroImage, 82, 170.