NeuronVisio

RRID:SCR_006839
Type: Tool

Proper Citation

NeuronVisio (RRID:SCR_006839)

Resource Information

**URL:** http://neuronvisio.org/

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**Description:** A Graphical User Interface for NEURON simulator environment with 3D capabilities. Neuronvisio makes easy to select and investigate sections’’’ properties and it offers easy integration with matplotlib for plotting the results. The geometry can be saved using NeuroML and the computational results in a customized and extensible HDF5 format; the results can then be reload in the software and analyzed in a later stage, without re-running the simulation. Featuring 3D visualization of the model with the possibility to change it runtime; creation of vectors to record any variables present in the section; pylab integration to plot directly the result of the simulation; exploration of the timecourse of any variable among time using a color coded scale; saving the results simulation for later analysis; automatic download and running of models in ModelDB.

**Abbreviations:** Neuronvisio

**Synonyms:** Neuron visio

**Resource Type:** 3d visualization software

**Defining Citation:** PMID:22685429

**Keywords:** 3d visualization, electrophysiological model, hdf storage, matplotlib integration, neuron model, visualization, neuron, visualization, electrophysiology

**Funding Agency:** Wellcome Trust

**Availability:** GNU General Public License, Acknowledgement requested
Resource Name: NeuronVisio
Resource ID: SCR_006839
Alternate IDs: nlx_156723

Ratings and Alerts
No rating or validation information has been found for NeuronVisio.
No alerts have been found for NeuronVisio.

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 RRID.

