Resource Summary Report

Generated by NIF on Aug 27, 2026

Neural Open Simulation

RRID:SCR_002916
Type: Tool

Proper Citation

Neural Open Simulation (RRID:SCR_002916)

Resource Information

URL: http://www.neurogems.org/neosim/

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Description: Simulation software that includes a parallel discrete event simulation kernel for running models of spiking neurons on a cluster of workstations. Models are specified using NeuroML, and visualized using Java2D. Simulation components are distributed across a parallel machine or network and communicate using timestamped events. The successor NEOSIM2 project under the NeuroGems umbrella at Edinburgh University (http://www.neurogems.org) continues to distribute the software, http://www.neurogems.org/neosim2/ The NEOSIM project includes: * a parallel discrete event simulation kernel for running models of spiking neural networks on clusters of machines. * a modules kit for extending the behavior of neurons and connectivity patterns. * a user interface for building and running simulations. OS: Linux, MS-Windows

Abbreviations: NEOSIM

Synonyms: NEOSIM - Neural Open Simulation

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

Keywords: systems modeling, simulation, model, neuron, spiking, neural network, behavior, connectivity, source code, xml

Funding: NIMH MH-57358

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Neural Open Simulation

Resource ID: SCR_002916

Alternate IDs: nif-0000-00161

Record Creation Time: 20220129T080216+0000

Record Last Update: 20260821T193655+0000

Ratings and Alerts

No rating or validation information has been found for Neural Open Simulation.

No alerts have been found for Neural Open Simulation.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.