

Resource Summary Report

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CSIM

RRID:SCR_014256

Type: Tool

Proper Citation

CSIM (RRID:SCR_014256)

Resource Information

URL: <http://www.lsm.tugraz.at/csim/>

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Description: Software tool for simulating heterogeneous networks composed of different model neurons and synapses. CSIM simulates networks containing up to a few thousand neurons and up to the order of 1.000.000 synapses. It is capable of supporting different levels of modeling and has an object oriented design. A user manual is available on the site.

Synonyms: Circuit SIMulator, CSIM: A neural Circuit SIMulator

Resource Type: simulation software, software application, software resource

Keywords: simulation software, circuit simulator, heterogeneous network, object oriented design

Availability: Available for download

Resource Name: CSIM

Resource ID: SCR_014256

License: GNU General Public License

Record Creation Time: 20220129T080319+0000

Record Last Update: 20260912T195814+0000

Ratings and Alerts

No rating or validation information has been found for CSIM.

No alerts have been found for CSIM.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

van Well EB, et al. (2026) Comparing the Influence of Heterogeneity on Model Outcomes in Individual-Level and Cohort Simulations: An Exploratory Simulation Study. *PharmacoEconomics*, 44(4), 429.

Posselt C, et al. (2024) Simulation of acquisition shifts in T2 weighted fluid-attenuated inversion recovery magnetic resonance images to stress test artificial intelligence segmentation networks. *Journal of medical imaging (Bellingham, Wash.)*, 11(2), 024013.

Kassamali-Escobar Z, et al. (2024) Antimicrobial stewardship and quality improvement strategies in critical access hospitals: a process evaluation of an intensive quality improvement cohort. *Antimicrobial stewardship & healthcare epidemiology : ASHE*, 4(1), e201.

Ciarkowski CE, et al. (2024) Antimicrobial stewardship to reduce overtreatment of asymptomatic bacteriuria in critical access hospitals: measuring a quality improvement intervention. *Infection control and hospital epidemiology*, 46(2), 1.

Fan C, et al. (2023) A likelihood-based framework for demographic inference from genealogical trees. *bioRxiv : the preprint server for biology*.

Zhang X, et al. (2017) Familiarity Detection is an Intrinsic Property of Cortical Microcircuits with Bidirectional Synaptic Plasticity. *eNeuro*, 4(3).

J??hling F, et al. (2016) metilene: fast and sensitive calling of differentially methylated regions from bisulfite sequencing data. *Genome research*, 26(2), 256.

Card SE, et al. (2011) Determining specific competencies for General Internal Medicine residents (PGY 4 and PGY 5). What are they and are programs currently teaching them? A survey of practicing Canadian General Internists. *BMC research notes*, 4, 480.

Maass W, et al. (2007) Computational aspects of feedback in neural circuits. *PLoS computational biology*, 3(1), e165.

Hicks GA, et al. (1998) Ca²⁺-dependent inactivation of large conductance Ca²⁺-activated K⁺ (BK) channels in rat hippocampal neurones produced by pore block from an associated particle. *The Journal of physiology*, 508 (Pt 3)(Pt 3), 721.

Hirschberg B, et al. (1998) Gating of recombinant small-conductance Ca-activated K⁺ channels by calcium. *The Journal of general physiology*, 111(4), 565.