ModelDB
RRID:SCR_007271
Type: Tool

Proper Citation

ModelDB (RRID:SCR_007271)

Resource Information

URL: http://senselab.med.yale.edu/modeldb/

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Description: Curated database of published models so that they can be openly accessed, downloaded, and tested to support computational neuroscience. Provides accessible location for storing and efficiently retrieving computational neuroscience models. Coupled with NeuronDB. Models can be coded in any language for any environment. Model code can be viewed before downloading and browsers can be set to auto-launch the models. The model source code has to be available from publicly accessible online repository or WWW site. Original source code is used to generate simulation results from which authors derived their published insights and conclusions.

Abbreviations: ModelDB

Synonyms: Model Database, Model DB, Model-DB, Model_DB

Resource Type: data repository, data or information resource, service resource, database, storage service resource

Defining Citation: PMID:15218350, PMID:15055399, PMID:8930855

Keywords: repository, collection, network, neuron, computational, neuroscience, model, simulation, neural, data

Funding Agency: NIMH, NINDS, NCI, Human Brain Project, NIDCD, NIDCD

Availability: Free, Freely available, Acknowledgement requested
**Resource Name:** ModelDB

**Resource ID:** SCR_007271

**Alternate IDs:** nif-0000-00004

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**Ratings and Alerts**

No rating or validation information has been found for ModelDB.

No alerts have been found for ModelDB.

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**Data and Source Information**

**Source:** [SciCrunch Registry](https://scicrunch.org)

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**Usage and Citation Metrics**

We found 253 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [RRID](https://scicrunch.org).


Gentiletti D, et al. (2022) Focal seizures are organized by feedback between neural activity and ion concentration changes. eLife, 11.


Kelley C, et al. (2022) Multiscale Computer Modeling of Spreading Depolarization in Brain


