Resource Summary Report

Generated by dkNET on Sep 4, 2026

SPRUSTON / KATH LAB: Neuraling Modeling Database NEURAL MODELING DATABASE

RRID:SCR_001869
Type: Tool

Proper Citation

SPRUSTON / KATH LAB: Neuraling Modeling Database NEURAL MODELING DATABASE (RRID:SCR_001869)

Resource Information

URL: http://dendrites.esam.northwestern.edu/

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Description: This database contains morphologies of hippocampal pyramidal cells and interneurons (in Neurolucida, NEURON, and pdf formats) as well as data recorded from those cells. Sponsors:This work was supported by grants from the NIH (T32-GM-08061 to T.J.M., F32-NS-10532 to N.L.G., and R01-NS35180 and R01-NS 46064 to N.S. and W.L.K.) and NSF (IGERT fellowship to Y.K.). NS46064 is part of the NSF/NIH Collaborative Research in Computational Neuroscience Program

Synonyms: SPRUSTON / KATH LAB

Resource Type: data or information resource, database, simulation software, software application, software resource

Keywords: cell, hippocampal, interneuron, morphology, neurolucida, neuron, pyramidal cell

Availability: Free, Freely available

Resource Name: SPRUSTON / KATH LAB: Neuraling Modeling Database NEURAL MODELING DATABASE

Resource ID: SCR_001869

Alternate IDs: nif-0000-10434

Old URLs: http://www.northwestern.edu/neurobiology/faculty/spruston/sk_models/

Record Creation Time: 20220129T080210+0000

Record Last Update: 20260903T234459+0000

Ratings and Alerts

No rating or validation information has been found for SPRUSTON / KATH LAB: Neuraling Modeling Database NEURAL MODELING DATABASE.

No alerts have been found for SPRUSTON / KATH LAB: Neuraling Modeling Database NEURAL MODELING DATABASE.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Pavel AM, et al. (2023) Machine learning for the early prediction of infants with electrographic seizures in neonatal hypoxic-ischemic encephalopathy. Epilepsia, 64(2), 456.

Finn D, et al. (2019) Clamping the Umbilical Cord in Premature Deliveries (CUPiD): Neuromonitoring in the Immediate Newborn Period in a Randomized, Controlled Trial of Preterm Infants Born at 32??Weeks of Gestation. The Journal of pediatrics, 208, 121.

Parekh R, et al. (2013) Neuronal morphology goes digital: a research hub for cellular and system neuroscience. Neuron, 77(6), 1017.

Menon V, et al. (2013) Balanced synaptic impact via distance-dependent synapse distribution and complementary expression of AMPARs and NMDARs in hippocampal dendrites. Neuron, 80(6), 1451.

Allam SL, et al. (2012) A computational model to investigate astrocytic glutamate uptake influence on synaptic transmission and neuronal spiking. Frontiers in computational neuroscience, 6, 70.