# Resource Summary Report

Generated by dkNET on Jul 31, 2026

## Snudda

RRID:SCR_021210
Type: Tool

### Proper Citation

Snudda (RRID:SCR_021210)

### Resource Information

**URL:** https://github.com/Hjorthmedh/Snudda

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**Description:** Software tool to create realistic networks of neurons, synapses placed using touch detection between axons and dendrites.Used to create detailed network of connected neurons, where connectivity is derived from reconstructed neuronal morphologies as well as from more qualitative experimental knowledge. Supports creation of network with connectivity based on touch detection.

**Resource Type:** data processing software, software application, data analysis software, software resource

**Defining Citation:** DOI:10.1101/2021.04.15.439985

**Keywords:** Connected neurons network, reconstructed neuronal morphologies, touch detection, synapses, realistic networks creation

**Funding:** Horizon 2020 Framework Programme ;
Swedish e-science Research Center ;
KTH Digital Futures

**Availability:** Free, Available for download, Freely available

**Resource Name:** Snudda

**Resource ID:** SCR_021210

**License:** GNU GPL v3.0

**Record Creation Time:** 20220129T080354+0000

**Record Last Update:** 20260731T043042+0000

### Ratings and Alerts

No rating or validation information has been found for Snudda.

No alerts have been found for Snudda.

## 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 dkNET .

Frost Nyl??n J, et al. (2023) The roles of surround inhibition for the intrinsic function of the striatum, analyzed in silico. Proceedings of the National Academy of Sciences of the United States of America, 120(45), e2313058120.

Hjorth JJJ, et al. (2021) Predicting Synaptic Connectivity for Large-Scale Microcircuit Simulations Using Snudda. Neuroinformatics, 19(4), 685.

Frost Nylen J, et al. (2021) Dopaminergic and Cholinergic Modulation of Large Scale Networks in silico Using Snudda. Frontiers in neural circuits, 15, 748989.