

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 14, 2026

SpiCoDyn

RRID:SCR_015744

Type: Tool

Proper Citation

SpiCoDyn (RRID:SCR_015744)

Resource Information

URL: <http://www.nitrc.org/projects/spicodyn/>

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Description: Software for the analysis of multi-site neuronal spike signals. SPICODYN processes electrophysiological signals, focusing on spiking and bursting dynamics and functional-effective connectivity analysis.

Resource Type: data analysis software, data processing software, software application, source code, software resource

Keywords: spike signal, neuron, multi-site neuronal spike signal, eeg, electrophysiology, brain imaging

Availability: Open source, Available for download

Resource Name: SpiCoDyn

Resource ID: SCR_015744

Record Creation Time: 20220129T080327+0000

Record Last Update: 20260814T042929+0000

Ratings and Alerts

No rating or validation information has been found for SpiCoDyn.

No alerts have been found for SpiCoDyn.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Pastore VP, et al. (2018) SPICODYN: A Toolbox for the Analysis of Neuronal Network Dynamics and Connectivity from Multi-Site Spike Signal Recordings. Neuroinformatics, 16(1), 15.

Pastore VP, et al. (2018) Identification of excitatory-inhibitory links and network topology in large-scale neuronal assemblies from multi-electrode recordings. PLoS computational biology, 14(8), e1006381.