Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 25, 2025

Simple Neurite Tracer

RRID:SCR_016566
Type: Tool

Proper Citation

Simple Neurite Tracer (RRID:SCR_016566)

Resource Information

URL: http://imagej.net/Simple_Neurite_Tracer

Proper Citation: Simple Neurite Tracer (RRID:SCR_016566)

Description: Software tool for reconstruction, visualization and analysis of neuronal processes .Fiji's framework for semi-automated tracing of neurons and other tube-like structures (blood vessels) through 3D image stacks.

Resource Type: image analysis software, image reconstruction software, data visualization software, software resource, software application, data analysis software, data processing software

Defining Citation: PMID:21727141

Keywords: reconstruction, visualization, analysis, tube, structure, neuronal, process, blood, vessel, image

Funding: EPSRC ;
MRC ;
BBSRC

Availability: Free, Available for download, Freely available

Resource Name: Simple Neurite Tracer

Resource ID: SCR_016566

Alternate URLs:
https://github.com/fiji/Simple_Neurite_Tracer/releases/tag/Simple_Neurite_Tracer-3.1.3

License: GNU General Public Licence (GPL)

Record Creation Time: 20220129T080331+0000

Record Last Update: 20250425T060152+0000

Ratings and Alerts

No rating or validation information has been found for Simple Neurite Tracer.

No alerts have been found for Simple Neurite Tracer.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 31 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Tecuatl C, et al. (2024) Accelerating the continuous community sharing of digital neuromorphology data. FASEB bioAdvances, 6(7), 207.

Madeira D, et al. (2023) Modification of astrocytic Cx43 hemichannel activity in animal models of AD: modulation by adenosine A2A receptors. Cellular and molecular life sciences : CMLS, 80(11), 340.

Brivio E, et al. (2023) Sex shapes cell-type-specific transcriptional signatures of stress exposure in the mouse hypothalamus. Cell reports, 42(8), 112874.

Madeira D, et al. (2023) Astrocytic A2A receptors silencing negatively impacts hippocampal synaptic plasticity and memory of adult mice. Glia.

Acutain MF, et al. (2023) Reduced expression of GluN2A induces a delay in neuron maturation. Journal of neurochemistry.

Jakobs MAH, et al. (2022) Unrestrained growth of correctly oriented microtubules instructs axonal microtubule orientation. eLife, 11.

Bonacossa-Pereira I, et al. (2022) Neuron-epidermal attachment protects hyper-fragile axons from mechanical strain. Cell reports, 38(10), 110501.

Patterson SS, et al. (2022) Conserved circuits for direction selectivity in the primate retina. Current biology : CB, 32(11), 2529.

O'Neil SD, et al. (2021) Action potential-coupled Rho GTPase signaling drives presynaptic plasticity. eLife, 10.

Call CL, et al. (2021) Cortical neurons exhibit diverse myelination patterns that scale between mouse brain regions and regenerate after demyelination. Nature communications, 12(1), 4767.

Rochon PL, et al. (2021) The cell adhesion molecule Sdk1 shapes assembly of a retinal circuit that detects localized edges. eLife, 10.

Tworig JM, et al. (2021) Excitatory neurotransmission activates compartmentalized calcium transients in Müller glia without affecting lateral process motility. eLife, 10.

Tsuboyama K, et al. (2020) A widespread family of heat-resistant obscure (Hero) proteins protect against protein instability and aggregation. PLoS biology, 18(3), e3000632.

Tamming RJ, et al. (2020) Atrx Deletion in Neurons Leads to Sexually Dimorphic Dysregulation of miR-137 and Spatial Learning and Memory Deficits. Cell reports, 31(13), 107838.

Tiwari R, et al. (2020) Androgen deprivation upregulates SPINK1 expression and potentiates cellular plasticity in prostate cancer. Nature communications, 11(1), 384.

Spyrka J, et al. (2020) Early life stress-induced alterations in the activity and morphology of ventral tegmental area neurons in female rats. Neurobiology of stress, 13, 100250.

Kugler C, et al. (2020) Epothilones Improve Axonal Growth and Motor Outcomes after Stroke in the Adult Mammalian CNS. Cell reports. Medicine, 1(9), 100159.

Özcan OO, et al. (2020) Differential Coding Strategies in Glutamatergic and GABAergic Neurons in the Medial Cerebellar Nucleus. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(1), 159.

Simmons AB, et al. (2020) Increased density and age-related sharing of synapses at the cone to OFF bipolar cell synapse in the mouse retina. The Journal of comparative neurology, 528(7), 1140.

Zheng J, et al. (2020) Interneuron Accumulation of Phosphorylated tau Impairs Adult Hippocampal Neurogenesis by Suppressing GABAergic Transmission. Cell stem cell, 26(3), 331.