

Resource Summary Report

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

Defining Citation: [PMID:21727141](#)

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

Funding: BBSRC ;
EPSRC ;
MRC

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: 20260821T194107+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 40 mentions in open access literature.

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

Kobayashi H, et al. (2026) A self-amplifying nerve-fibroblast circuit drives colorectal cancer progression. *Cancer cell*.

Marini C, et al. (2026) The pivotal role of endoplasmic reticulum in cancer glucose metabolism. *iScience*, 29(1), 114503.

Lopes CR, et al. (2026) Genetic Deletion of Adenosine A2A Receptors Attenuates Aged-Related Alterations of Glial Cells Morphology and of Inflammasome in the Hippocampus and Prefrontal Cortex of Mice. *Glia*, 74(9), e70197.

Blasco-Agell L, et al. (2025) LRRK2-mutant microglia and neuromelanin synergize to drive dopaminergic neurodegeneration in an iPSC-based Parkinson's disease model. *Communications biology*, 8(1), 1203.

Tecuatl C, et al. (2025) Hippocampome.org, a resource for subicular neuron types and beyond. *bioRxiv : the preprint server for biology*.

Kobayashi H, et al. (2025) Neuro-Mesenchymal Interaction Mediated by a α 2-Adrenergic Nerve Growth Factor Feedforward Loop Promotes Colorectal Cancer Progression. *Cancer discovery*, 15(1), 202.

Olguin AGR, et al. (2025) Cadherin 4 assembles a family of color-preferring retinal circuits that respond to light offset. *Current biology : CB*, 35(6), 1298.

Li J, et al. (2025) Dynamic redistribution of AMPA receptors toward memory-related neuronal ensembles in mice barrel cortex during sensory learning. *Neuron*.

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

Bobula B, et al. (2024) Maternal fluoxetine impairs synaptic transmission and plasticity in the medial prefrontal cortex and alters the structure and function of dorsal raphe nucleus neurons in offspring mice. *Pharmacology, biochemistry, and behavior*, 244, 173849.

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.

Evans EE, et al. (2022) Semaphorin 4D is upregulated in neurons of diseased brains and triggers astrocyte reactivity. Journal of neuroinflammation, 19(1), 200.

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.

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

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