Resource Summary Report

Generated by ASWG on Aug 4, 2026

Neuromantic

RRID:SCR_013597
Type: Tool

Proper Citation

Neuromantic (RRID:SCR_013597)

Resource Information

URL: http://www.rdg.ac.uk/neuromantic/

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Description: Neuromantic is a freeware reconstruction tool for Windows-based machines. It is designed to allow the efficient creation of 3D neuronal reconstructions from serial stacks of images. :Neuron, Morphological Reconstruction, Morphology, Freeware, Software, Dendritic Morphology : :May be used as a freeware alternative to Neurolucida or Neuron_Morpho for the 3D reconstruction of neurons from serial image stacks.

Synonyms: Neuromantic

Resource Type: software resource

Resource Name: Neuromantic

Resource ID: SCR_013597

Alternate IDs: nif-0000-00197

Record Creation Time: 20220129T080317+0000

Record Last Update: 20260801T190450+0000

Ratings and Alerts

No rating or validation information has been found for Neuromantic.

No alerts have been found for Neuromantic.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 68 mentions in open access literature.

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

De Pauw L, et al. (2025) Intact corticostriatal function in aged system xc- - deficient mice. Translational psychiatry, 15(1), 471.

Francavilla R, et al. (2025) Syngap1 regulates the synaptic drive and membrane excitability of Parvalbumin-positive interneurons in mouse auditory cortex. eLife, 13.

Utashiro N, et al. (2024) Long-range inhibition from prelimbic to cingulate areas of the medial prefrontal cortex enhances network activity and response execution. Nature communications, 15(1), 5772.

Ozsv??r A, et al. (2024) A combinatory genetic strategy for targeting neurogliaform neurons in the mouse basolateral amygdala. Frontiers in cellular neuroscience, 18, 1254460.

Jiang J, et al. (2024) The gut metabolite indole-3-propionic acid activates ERK1 to restore social function and hippocampal inhibitory synaptic transmission in a 16p11.2 microdeletion mouse model. Microbiome, 12(1), 66.

McFarlan AR, et al. (2024) The short-term plasticity of VIP interneurons in motor cortex. Frontiers in synaptic neuroscience, 16, 1433977.

Gradwell MA, et al. (2024) Multimodal sensory control of motor performance by glycinergic interneurons of the mouse spinal cord deep dorsal horn. Neuron.

Li K, et al. (2023) Endogenous but not sensory-driven activity controls migration, morphogenesis and survival of adult-born juxtaglomerular neurons in the mouse olfactory bulb. Cellular and molecular life sciences : CMLS, 80(4), 98.

Cao Q, et al. (2023) Longitudinal characterization of behavioral, morphological and transcriptomic changes in a tauopathy mouse model. Aging, 15(21), 11697.

Akram MA, et al. (2023) Machine learning classification reveals robust morphometric biomarker of glial and neuronal arbors. Journal of neuroscience research, 101(1), 112.

Verbruggen L, et al. (2022) Lifespan extension with preservation of hippocampal function in aged system xc--deficient male mice. Molecular psychiatry, 27(4), 2355.

Zheng J, et al. (2022) Pyk2 suppresses contextual fear memory in an autophosphorylation-independent manner. Journal of molecular cell biology, 13(11), 808.

Yen TY, et al. (2022) Inhibitory projections connecting the dentate gyri in the two hemispheres support spatial and contextual memory. Cell reports, 39(7), 110831.

Conze C, et al. (2022) Caspase-cleaved tau is senescence-associated and induces a toxic gain of function by putting a brake on axonal transport. Molecular psychiatry, 27(7), 3010.

Kontou G, et al. (2021) Miro1-dependent mitochondrial dynamics in parvalbumin interneurons. eLife, 10.

Luchetti A, et al. (2021) Within-Trial Persistence of Learned Behavior as a Dissociable Behavioral Component in Hippocampus-Dependent Memory Tasks: A Potential Postlearning Role of Immature Neurons in the Adult Dentate Gyrus. eNeuro, 8(4).

Muzyka VV, et al. (2021) Genetic interplay between transcription factor Pou4f1/Brn3a and neurotrophin receptor Ret in retinal ganglion cell type specification. Neural development, 16(1), 5.

Ajibola MI, et al. (2021) Hypothalamic Glutamate/GABA Cotransmission Modulates Hippocampal Circuits and Supports Long-Term Potentiation. The Journal of neuroscience : the official journal of the Society for Neuroscience, 41(39), 8181.

Zhou L, et al. (2021) Rare CASP6N73T variant associated with hippocampal volume exhibits decreased proteolytic activity, synaptic transmission defect, and neurodegeneration. Scientific reports, 11(1), 12695.

de Kloet SF, et al. (2021) Bi-directional regulation of cognitive control by distinct prefrontal cortical output neurons to thalamus and striatum. Nature communications, 12(1), 1994.