

Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 30, 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: 20260725T190756+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 [SPARC SAWG](#) .

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.

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.

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.

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.