

Resource Summary Report

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Nornir

RRID:SCR_016458

Type: Tool

Proper Citation

Nornir (RRID:SCR_016458)

Resource Information

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

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Description: Software application to take large sets of overlapping images in 2D and 3D and produce registered 3D volumes of any size and scale. Registered slices may be exported as a single large images or viewed/annotated with Viking viewer. Used on transmission electron microscopy, scanning electron microscopy images, and light microscopy images.

Resource Type: data acquisition software, data processing software, image acquisition software, software application, software resource, software toolkit

Keywords: overlapping, image, 2D, 3D, produce, registered, aligned, 3D volume, microscopy

Availability: Free, Available for download, Freely available

Resource Name: Nornir

Resource ID: SCR_016458

Alternate URLs: <https://github.com/nornir/>, <http://nornir.github.io/>

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Record Creation Time: 20220129T080330+0000

Record Last Update: 20260905T132809+0000

Ratings and Alerts

No rating or validation information has been found for Nornir.

No alerts have been found for Nornir.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Iseri E, et al. (2026) Impact of Aii Amacrine Cell Rewiring in a Pathoconnectome-Based Computational Model of Early Retinal Degeneration. bioRxiv : the preprint server for biology.

Tetenborg S, et al. (2026) Uncovering the electrical synapse proteome in retinal neurons via in vivo proximity labeling. eLife, 14.

Tolman N, et al. (2026) Single-cell profiling of trabecular meshwork identifies mitochondrial dysfunction in a glaucoma model that is protected by vitamin B3 treatment. eLife, 14.

Marshak DW, et al. (2026) Synaptic Inputs to OFF Parasol Ganglion Cells in Macaque Retina: An Analysis Using Serial Blockface Scanning Electron Microscopy. Brain sciences, 16(6).

Kumari R, et al. (2025) Retrograde control of sympathetic neuron-satellite glia interactions by target-derived NGF signaling. Cell reports, 44(12), 116697.

Marshak DW, et al. (2025) Amacrine cell inputs to OFF midget ganglion cells in macaque retina. The Journal of physiology.

Tetenborg S, et al. (2025) Uncovering the electrical synapse proteome in retinal neurons via in vivo proximity labeling. bioRxiv : the preprint server for biology.

Patterson SS, et al. (2024) Synaptic Origins of the Complex Receptive Field Structure in Primate Smooth Monostratified Retinal Ganglion Cells. eNeuro, 11(1).

Sigulinsky CL, et al. (2020) Network Architecture of Gap Junctional Coupling among Parallel Processing Channels in the Mammalian Retina. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(23), 4483.