Resource Summary Report

Generated by RRID on Aug 12, 2026

AxonDeepSeg

RRID:SCR_022531
Type: Tool

Proper Citation

AxonDeepSeg (RRID:SCR_022531)

Resource Information

URL: https://github.com/axondeepseg/axondeepseg

Proper Citation: AxonDeepSeg (RRID:SCR_022531)

Description: Open source software tool for automatic axon and myelin segmentation from microscopy data using convolutional neural networks.

Resource Type: software application, image analysis software, software resource, segmentation software, data processing software

Defining Citation: PMID:29491478

Keywords: automatically segmenting axons and myelin sheaths, microscopy images

Funding: Canada Research Chair in Quantitative Magnetic Resonance Imaging ;
Canadian Institute of Health Research ;
Canada Foundation for Innovation ;
Natural Sciences and Engineering Research Council of Canada ;
TransMedTech ;
Quebec BioImaging Network

Availability: Free, Available for download, Freely available

Resource Name: AxonDeepSeg

Resource ID: SCR_022531

License: MIT License

Record Creation Time: 20220701T050140+0000

Record Last Update: 20260812T044424+0000

Ratings and Alerts

No rating or validation information has been found for AxonDeepSeg.

No alerts have been found for AxonDeepSeg.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Zhang Y, et al. (2025) Neurons sequester the cholesterol-inhibiting TFEB in oligodendrocyte cytoplasm to safeguard myelination and neural function. Cell reports, 44(9), 116252.