



JUN 09, 2023

Create Mask for Axonal Quantification Analysis with Fiji

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OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.14egn3b9yl5d/v1

Protocol Citation: Oscar Moreno Ramos, Elizabeth P. 2023. Create Mask for Axonal Quantification Analysis with Fiji. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.14egn3b9yl5d/v1>

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Protocol status: Working
We use this protocol and it's working

Created: Jun 09, 2023

Last Modified: Jun 09, 2023

PROTOCOL integer ID:
83151

ABSTRACT

This is a protocol describing how to create a quantified mask from an image of fluorescence-tagged axonal projections using FIJI/ImageJ software.

- 1 Upload TIFF image of single-channel fluorescent axons to Fiji

- 2 Adjust brightness/contrast (keyboard shortcut: ctrl + shift + C)
- 3 Select Plugins -> Analyze -> Tubeness
- 4 Enter 0.5 for the sigma value
- 5 Synchronize windows: select Analyze -> Tools -> Synchronize windows
- 6 Open thresholding (shortcut: ctrl + shift + T)
- 7 Adjust the thresholding value to your needs
- 8 Select apply and create mask.
- 9 Save created mask as tiff file.

