Accepted Manuscript

Title: Semi-automatic 3D morphological reconstruction of neurons with densely branching morphology: application to retinal AII amacrine cells imaged with multi-photon excitation microscopy

Authors: Bas-Jan Zandt, Are Losnegård, Erlend Hodneland, Margaret Lin Veruki, Arvid Lundervold, Espen Hartveit

PII: S0165-0270(17)30008-0

DOI: http://dx.doi.org/doi:10.1016/j.jneumeth.2017.01.008

Reference: NSM 7663

To appear in: Journal of Neuroscience Methods

Received date: 26-9-2016 Revised date: 10-1-2017 Accepted date: 11-1-2017

Please cite this article as: Zandt Bas-Jan, Losnegård Are, Hodneland Erlend, Veruki Margaret Lin, Lundervold Arvid, Hartveit Espen.Semi-automatic 3D morphological reconstruction of neurons with densely branching morphology: application to retinal AII amacrine cells imaged with multi-photon excitation microscopy. *Journal of Neuroscience Methods* http://dx.doi.org/10.1016/j.jneumeth.2017.01.008

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Semi-automatic 3D morphological reconstruction of neurons with densely

branching morphology: application to retinal AII amacrine cells imaged with multi-

photon excitation microscopy

(Research article)

Bas-Jan Zandt^{1,3}, Are Losnegård^{1,4}, Erlend Hodneland^{1,5}, Margaret Lin Veruki¹, Arvid

Lundervold^{1,2} and Espen Hartveit¹

¹Department of Biomedicine, University of Bergen, Bergen, Norway

²Department of Radiology, Haukeland University Hospital, Bergen, Norway

³Current affiliation: Blue Brain Project, École polytechnique fédérale de Lausanne

(EPFL), Geneva, Switzerland

4Current affiliations: Department of Radiology, Haukeland University Hospital,

Bergen, Norway; Department of Clinical Medicine, University of Bergen, Bergen,

Norway

⁵Current affiliation: Christian Michelsen Research, Bergen, Norway

Corresponding author: Espen Hartveit, University of Bergen, Department of

Biomedicine, Jonas Lies vei 91, N-5009 Bergen, Norway.

espen.hartveit@biomed.uib.no

Abbreviated title: Automatic reconstruction of densely branching neurons

Number of pages: 47

Number of figures: 11

Number of tables: 2

1

Download English Version:

https://daneshyari.com/en/article/5737261

Download Persian Version:

https://daneshyari.com/article/5737261

<u>Daneshyari.com</u>