## **Accepted Manuscript**

Histological validation of diffusion MRI fiber orientation distributions and dispersion

Kurt G. Schilling, Vaibhav Janve, Yurui Gao, Iwona Stepniewska, Bennett A. Landman, Adam W. Anderson

PII: \$1053-8119(17)30872-8

DOI: 10.1016/j.neuroimage.2017.10.046

Reference: YNIMG 14424

To appear in: Neurolmage

Received Date: 11 August 2017
Revised Date: 4 October 2017
Accepted Date: 21 October 2017

Please cite this article as: Schilling, K.G., Janve, V., Gao, Y., Stepniewska, I., Landman, B.A., Anderson, A.W., Histological validation of diffusion MRI fiber orientation distributions and dispersion, *NeuroImage* (2017), doi: 10.1016/j.neuroimage.2017.10.046.

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.



## **ACCEPTED MANUSCRIPT**

Histological Validation of Diffusion MRI Fiber Orientation Distributions and Dispersion

Kurt G Schilling $^{1,2,*}$ , Vaibhav Janve $^{1,2}$ , Yurui Gao $^{1,2}$ , Iwona Stepniewska $^3$ , Bennett A Landman $^{1,2,4,5}$ , Adam W Anderson $^{1,2,4}$ 

Email address: kurt.g.schilling@vanderbilt.edu

Keywords: Validation, Diffusion Magnetic Resonance Imaging, Histology, Fiber Orientation Distribution, Dispersion, HARDI, Reconstruction

<sup>&</sup>lt;sup>1</sup>Vanderbilt University Institute of Imaging Science, Vanderbilt University, Nashville, TN, USA

<sup>&</sup>lt;sup>2</sup>Department of Biomedical Engineering, Vanderbilt University, Nashville, TN, USA

<sup>&</sup>lt;sup>3</sup>Department of Psychology, Vanderbilt University, Nashville, TN, USA

<sup>&</sup>lt;sup>4</sup>Radiology and Radiological Sciences, Vanderbilt University, Nashville, TN, United States

<sup>&</sup>lt;sup>5</sup>Department of Electrical Engineering, Vanderbilt University, Nashville, TN, USA

<sup>\*</sup> Corresponding author at

## Download English Version:

## https://daneshyari.com/en/article/8687397

Download Persian Version:

https://daneshyari.com/article/8687397

Daneshyari.com