## Accepted Manuscript

Characterization of dural sinus-associated lymphatic vasculature in human Alzheimer's dementia subjects

James R. Goodman, Zachariah O. Adham, Randall L. Woltjer, Amanda W. Lund, Jeffrey J. Iliff

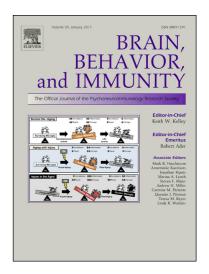
PII: S0889-1591(18)30366-0

DOI: https://doi.org/10.1016/j.bbi.2018.07.020

Reference: YBRBI 3455

To appear in: Brain, Behavior, and Immunity

Received Date: 6 March 2018 Revised Date: 23 July 2018 Accepted Date: 24 July 2018



Please cite this article as: Goodman, J.R., Adham, Z.O., Woltjer, R.L., Lund, A.W., Iliff, J.J., Characterization of dural sinus-associated lymphatic vasculature in human Alzheimer's dementia subjects, *Brain, Behavior, and Immunity* (2018), doi: https://doi.org/10.1016/j.bbi.2018.07.020

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.

CCEPTED MANUSCRIPT

Title: Characterization of dural sinus-associated lymphatic vasculature in human

Alzheimer's dementia subjects

James R. Goodman<sup>1,2</sup>, Zachariah O. Adham<sup>1</sup>, Randall L. Woltjer<sup>3</sup>, Amanda W. Lund<sup>4,5</sup>, Jeffrey J.

Iliff<sup>1,6,\*</sup>

<sup>1</sup>Department of Anesthesiology and Perioperative Medicine, <sup>2</sup>Department of Physiology and

Pharmacology, <sup>3</sup>Department of Pathology, <sup>4</sup>Department of Cell, Developmental and Cancer

Biology, <sup>5</sup>Knight Cancer Institute, <sup>6</sup>Knight Cardiovascular Research Institute; Oregon Health &

Science University, Portland, OR, USA.

\*Corresponding Author: Jeffrey J. Iliff, PhD

Department of Anesthesiology and Perioperative Medicine

Oregon Health & Science University

3181 SW Sam Jackson Park Rd.

Mail Code L459

Portland, OR 97239 USA

E-mail: <u>iliffj@ohsu.e</u>du

Phone: (503) 494-4047

**Keywords:** Lymphatic, meninges, Alzheimer's disease, amyloid beta, podoplanin, LYVE-1

1

## Download English Version:

## https://daneshyari.com/en/article/8960714

Download Persian Version:

https://daneshyari.com/article/8960714

<u>Daneshyari.com</u>