# Author's Accepted Manuscript

Distal airway microbiome is associated with immunoregulatory myeloid cell responses in lung transplant recipientsMicrobiome and immuneregulation in transplant

Nirmal S. Sharma, Keith M. Wille, S Athira, Degui Zhi, Kenneth P. Hough, Enrique Diaz-Guzman, Kui Zhang, Ranjit Kumar, Sunad Rangarajan, Peter Eipers, Yong Wang, Ritesh K. Srivastava, Jose Vicente Rodriguez Dager, Mohammad Athar, Casey Morrow, Charles W. Hoopes, David D. Chaplin, Victor J. Thannickal, Jessy S. Deshane



PII: S1053-2498(17)31898-3

DOI: http://dx.doi.org/10.1016/j.healun.2017.07.007

Reference: HEALUN6559

To appear in: Journal of Heart and Lung Transplantation

Cite this article as: Nirmal S. Sharma, Keith M. Wille, S Athira, Degui Zhi, Kenneth P. Hough, Enrique Diaz-Guzman, Kui Zhang, Ranjit Kumar, Sunad Rangarajan, Peter Eipers, Yong Wang, Ritesh K. Srivastava, Jose Vicente Rodriguez Dager, Mohammad Athar, Casey Morrow, Charles W. Hoopes, David D. Chaplin, Victor J. Thannickal and Jessy S. Deshane, Distal airway microbiome is associated with immunoregulatory myeloid cell responses in lung transplant recipientsMicrobiome and immune-regulation in transplant, *Journal of Heart and Lung Transplantation*, http://dx.doi.org/10.1016/j.healun.2017.07.007

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 galley proof before it is published in its final citable 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**

## Distal Airway Microbiome is Associated with Immunoregulatory Myeloid Cell

#### **Responses In Lung Transplant Recipients**

Nirmal S. Sharma<sup>1</sup>, Keith M. Wille<sup>1</sup>, S Athira<sup>2</sup>, Degui Zhi<sup>3</sup>, Kenneth P. Hough<sup>1</sup>, Enrique Diaz-Guzman<sup>1</sup>, Kui Zhang<sup>3</sup>, Ranjit Kumar<sup>4</sup>, Sunad Rangarajan<sup>1</sup>, Peter Eipers<sup>5</sup>, Yong Wang<sup>1</sup>, Ritesh K. Srivastava<sup>6</sup>, Jose Vicente Rodriguez Dager<sup>1</sup>, Mohammad Athar<sup>6</sup>, Casey Morrow<sup>5</sup>,

Departments of <sup>1</sup>Medicine: Division of Pulmonary Allergy & Critical Care Medicine,

Charles W. Hoopes<sup>7</sup>, David D. Chaplin<sup>6</sup>, Victor J. Thannickal<sup>1</sup>, Jessy S. Deshane<sup>1</sup>.

<sup>3</sup>Biostatistics, <sup>4</sup>Biomedical Informatics, <sup>5</sup>Cell Developmental and Integrative Biology,

<sup>6</sup>Dermatology, <sup>7</sup> Surgery, University of Alabama at Birmingham, Birmingham AL, USA.

<sup>2</sup>Cognub Decision Solutions, Kerala, India

## **Reprint Requests to the Corresponding Author**

Jessy S. Deshane, PhD

1900 University Boulevard, Room THT-433A

University of Alabama, Birmingham, AL 35294

Phone: 205-996-2041

Fax; 205-934-1721

E-mail: treena@uab.edu

#### **Author contributions**

N.S.S, K.M.W., E.D.G., S.R., V.J.T., D.D.C., C.M. and J.S.D. designed the research; N.S.S., E.D.G., and K.M.W., C.W. collected the samples; N.S.S., Y.W., P.E., J.V.R.D., C.M., R.K. and J.S.D. processed samples and performed research; N.S.S., S.A., M.A., R.S. D.Z., K.Z. K.P.H. and J.S.D. analyzed data; N.S.S. and J.D. wrote the manuscript and N.S.S., D.Z., S.R., K.M.W., D.D.C., C.W.H., K.P.H, C.M., V.J.T. and J.S.D. performed critical review of the manuscript.

#### Download English Version:

# https://daneshyari.com/en/article/8669542

Download Persian Version:

https://daneshyari.com/article/8669542

<u>Daneshyari.com</u>