

# Accepted Manuscript

Eosinophils mediate tissue injury in autoimmune skin disease bullous pemphigoid

Lan Lin, Bin-Jin Hwang, Donna A. Culton, Ning Li, Susan Burette, Beverly H. Koller, Kelly A. Messingham, Janet A. Fairley, James J. Lee, Russell P. Hall, Lijia An, Luis A. Diaz, Zhi Liu

PII: S0022-202X(17)33250-5

DOI: [10.1016/j.jid.2017.11.031](https://doi.org/10.1016/j.jid.2017.11.031)

Reference: JID 1203

To appear in: *The Journal of Investigative Dermatology*

Received Date: 15 December 2016

Revised Date: 3 November 2017

Accepted Date: 14 November 2017

Please cite this article as: Lin L, Hwang B-J, Culton DA, Li N, Burette S, Koller BH, Messingham KA, Fairley JA, Lee JJ, Hall RP, An L, Diaz LA, Liu Z, Eosinophils mediate tissue injury in autoimmune skin disease bullous pemphigoid, *The Journal of Investigative Dermatology* (2018), doi: 10.1016/j.jid.2017.11.031.

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.



**Eosinophils mediate tissue injury in autoimmune skin disease bullous pemphigoid**

Lan Lin<sup>1,2\*</sup>, Bin-Jin Hwang<sup>1\*</sup>, Donna A. Culton<sup>1</sup>, Ning Li<sup>1</sup>, Susan Burette<sup>1</sup>, Beverly H. Koller<sup>3</sup>, Kelly A. Messingham<sup>4</sup>, Janet A. Fairley<sup>4</sup>, James J. Lee<sup>5</sup>, Russell P. Hall<sup>6</sup>, Lijia An<sup>2</sup>, Luis A. Diaz<sup>1</sup>, and Zhi Liu<sup>1,7,8</sup>

Departments of <sup>1</sup>Dermatology, <sup>3</sup>Genetics, and <sup>7</sup>Microbiology and Immunology, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599, USA; <sup>2</sup>School of Life Science and Biotechnology, Dalian University of Technology, Dalian, Liaoning, P.R.C.; <sup>4</sup>Department of Dermatology, University of Iowa, Iowa City, IA; <sup>5</sup>Mayo Clinic Arizona, Department of Biochemistry and Molecular Biology, Scottsdale, AZ; <sup>6</sup>Department of Dermatology, Duke University Medical Center, Durham, NC; <sup>8</sup>Lineberger Comprehensive Cancer Center, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599, USA.

\* These authors made equal contributions to this work.

**Corresponding author:** Zhi Liu, PhD, Department of Dermatology, University of North Carolina at Chapel Hill, 2360 Genome Sciences Building, CB#7287, Chapel Hill, North Carolina 27599, USA. Email: zhi\_liu@med.unc.edu Phone: 919-966-0788, Fax: 919-966-3898

**Conflict of interest statement:** The authors have declared that no conflict of interest exists.

**Abbreviations:** BP, bullous pemphigoid; BMZ, basement membrane zone; hNC16A, human BP180 noncollagenous 16A domain; MPO, myeloperoxidase; EPO, eosinophil peroxidase.

Download English Version:

<https://daneshyari.com/en/article/8715927>

Download Persian Version:

<https://daneshyari.com/article/8715927>

[Daneshyari.com](https://daneshyari.com)