

Accepted Manuscript

Prostaglandin E₂ stimulates adaptive IL-22 production and promotes allergic contact dermatitis

Calum T. Robb, PhD, Henry J. McSorley, PhD, Jinju Lee, MSc, Tomohiro Aoki, MD, PhD, Cunjing Yu, PhD, Siobhan Crittenden, MSc, Anne Astier, PhD, Jennifer M. Felton, PhD, Nicholas Parkinson, MA, MS, VetMB, Adane Ayele, MD, Richard M. Breyer, PhD, Stephen M. Anderton, PhD, Shuh Narumiya, MD, PhD, Adriano G. Rossi, PhD, DSc, Sarah E. Howie, PhD, Emma Guttman-Yassky, MD, PhD, Richard B. Weller, MD, FRCP, Chengcan Yao, PhD

PII: S0091-6749(17)30914-4

DOI: [10.1016/j.jaci.2017.04.045](https://doi.org/10.1016/j.jaci.2017.04.045)

Reference: YMAI 12841

To appear in: *Journal of Allergy and Clinical Immunology*

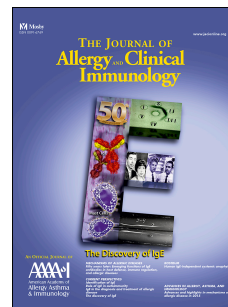
Received Date: 30 November 2016

Revised Date: 10 April 2017

Accepted Date: 11 April 2017

Please cite this article as: Robb CT, McSorley HJ, Lee J, Aoki T, Yu C, Crittenden S, Astier A, Felton JM, Parkinson N, Ayele A, Breyer RM, Anderton SM, Narumiya S, Rossi AG, Howie SE, Guttman-Yassky E, Weller RB, Yao C, Prostaglandin E₂ stimulates adaptive IL-22 production and promotes allergic contact dermatitis, *Journal of Allergy and Clinical Immunology* (2017), doi: 10.1016/j.jaci.2017.04.045.

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.



1 **Title page**

2

3 **Original Article**

4

5 **Prostaglandin E₂ stimulates adaptive IL-22 production and promotes allergic contact**
6 **dermatitis**

7

8 Calum T. Robb, PhD,^a Henry J. McSorley, PhD,^a Jinju Lee, MSc^{b,c} Tomohiro Aoki, MD,
9 PhD^{b,c} Cunjing Yu, PhD,^a Siobhan Crittenden, MSc,^a Anne Astier, PhD,^a Jennifer M Felton,
10 PhD^a Nicholas Parkinson, MA, MS, VetMB^a Adane Ayele, MD,^d Richard M. Breyer, PhD,^{e,f}
11 Stephen M. Anderton, PhD,^a Shuh Narumiya, MD, PhD,^{b,c} Adriano G. Rossi, PhD, DSc^a
12 Sarah E. Howie, PhD,^a Emma Guttman-Yassky, MD, PhD,^{g,h} Richard B. Weller, MD,
13 FRCP,^a Chengcan Yao, PhD,^a

14

15 ^a Medical Research Council (MRC) Centre for Inflammation Research, Queen's Medical
16 Research Institute, The University of Edinburgh, Edinburgh EH16 4TJ, UK.

17 ^b Center for Innovation in Immunoregulative Technology and Therapeutics (AK Project),
18 Kyoto University Graduate School of Medicine, Kyoto 606-8501, Japan.

19 ^c Core Research for Evolutional Science and Technology, Medical Innovation Center, Kyoto
20 University Graduate School of Medicine, Kyoto 606-8507, Japan.

21 ^d Department of Dermatovenereology, School of Medicine, □College of Health Sciences,
22 Addis Ababa University, □Addis Ababa, Ethiopia.

23 ^e Department of Veterans Affairs, Tennessee Valley Health Authority, Nashville, TN 37212,
24 USA.

25 ^f Department of Medicine, Vanderbilt University Medical Center, Nashville, TN 37232, USA.

Download English Version:

<https://daneshyari.com/en/article/8713786>

Download Persian Version:

<https://daneshyari.com/article/8713786>

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