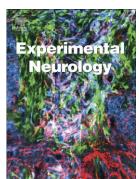
### Accepted Manuscript

Cutaneous tissue damage induces long-lasting nociceptive sensitization and regulation of cellular stress- and nerve injury-associated genes in sensory neurons

Kristofer K. Rau, Caitlin E. Hill, Benjamin J. Harrison, Gayathri Venkat, Heidi M. Koenig, Sarah B. Cook, Alexander G. Rabchevsky, Bradley K. Taylor, Tsonwin Hai, Jeffrey C. Petruska



PII:	S0014-4886(16)30159-5
DOI:	doi: 10.1016/j.expneurol.2016.06.002
Reference:	YEXNR 12318

To appear in: Experimental Neurology

Received date:4 January 2016Revised date:10 May 2016Accepted date:1 June 2016

Please cite this article as: Rau, Kristofer K., Hill, Caitlin E., Harrison, Benjamin J., Venkat, Gayathri, Koenig, Heidi M., Cook, Sarah B., Rabchevsky, Alexander G., Taylor, Bradley K., Hai, Tsonwin, Petruska, Jeffrey C., Cutaneous tissue damage induces long-lasting nociceptive sensitization and regulation of cellular stress- and nerve injury-associated genes in sensory neurons, *Experimental Neurology* (2016), doi: 10.1016/j.expneurol.2016.06.002

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

#### Title Page

**Title:** Cutaneous tissue damage induces long-lasting nociceptive sensitization and regulation of cellular stress- and nerve injury-associated genes in sensory neurons.

#### Authors:

Kristofer K. Rau<sup>\*1,2,3</sup>, Caitlin E. Hill<sup>\*4</sup>, Benjamin J. Harrison<sup>2,3,5</sup>, Gayathri Venkat<sup>2,3</sup>, Heidi M. Koenig<sup>1</sup>, Sarah B. Cook<sup>4</sup>, Alexander G. Rabchevsky<sup>6,7</sup>, Bradley K. Taylor<sup>6</sup>, Tsonwin Hai<sup>8</sup>, and Jeffrey C. Petruska<sup>2,3,5,9</sup>

\*contributed equally

#### Affiliation:

<sup>1</sup>University of Louisville, Department of Anesthesiology, Louisville, Kentucky

<sup>2</sup>University of Louisville, Department of Anatomical Sciences and Neurobiology, Louisville, Kentucky

<sup>3</sup>University of Louisville, KY Spinal Cord Injury Research Center, Louisville, Kentucky

<sup>4</sup>Weill Medical College of Cornell University, Burke Rehabilitation Institute, White Plains, New York

<sup>5</sup>University of Louisville, KY Biomedical Research Infrastructure Network (KBRIN), Louisville, Kentucky

<sup>6</sup>University of Kentucky, Department of Physiology, Lexington, Kentucky

<sup>7</sup>University of Kentucky, Spinal Cord and Brain Injury Research Center, Lexington, Kentucky

<sup>8</sup>The Ohio State University, Department of Molecular and Cellular Biochemistry, Columbus, Ohio

<sup>9</sup>University of Louisville, Department of Neurological Surgery, Louisville, Kentucky

#### Running Head:

Skin incision induces lasting changes in sensory neurons.

#### Address for Correspondence:

Jeffrey C Petruska j.petruska@louisville.edu 502-852-8057 University of Louisville Department of Anatomical Sciences and Neurobiology 511 South Floyd Street, MDR Building 6<sup>th</sup> floor Louisville, KY 40292

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

Download English Version:

# https://daneshyari.com/en/article/6016933

Download Persian Version:

https://daneshyari.com/article/6016933

Daneshyari.com