Accepted Manuscript

Distinct inflammatory response patterns are evident among men and women with higher depressive symptoms

Marzieh Majd, Jennifer E. Graham-Engeland, Joshua M. Smyth, Martin J. Sliwinski, Richard B. Lipton, Mindy J. Katz, Christopher G. Engeland

Smyth, Katz, **PHYSIOLOGY**

BEHAVIOR

An International Journal

&

PII: S0031-9384(17)30400-6

DOI: doi:10.1016/j.physbeh.2017.11.009

Reference: PHB 11972

To appear in: Physiology & Behavior

Received date: 10 July 2017

Revised date: 7 November 2017 Accepted date: 8 November 2017

Please cite this article as: Marzieh Majd, Jennifer E. Graham-Engeland, Joshua M. Smyth, Martin J. Sliwinski, Richard B. Lipton, Mindy J. Katz, Christopher G. Engeland, Distinct inflammatory response patterns are evident among men and women with higher depressive symptoms. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Phb(2017), doi:10.1016/j.physbeh.2017.11.009

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

 $Distinct inflammatory \, response \, patterns \, are \, evident \, among \, men \, and \, women \, with \, higher \, depressive \, symptoms$

Marzieh Majd^a, Jennifer E. Graham-Engeland^{a,b}, Joshua M. Smyth^{a,b,c}, Martin J. Sliwinski^{b,d}, Richard B. Lipton^e, Mindy J. Katz^f, Christopher G. Engeland^{a,b,g}.

^a Department of Biobehavioral Health, The Pennsylvania State University, University Park, PA, USA.

^b Center for Healthy Aging, The Pennsylvania State University, University Park, Pennsylvania, PA, USA.

^c Penn State Milton S. Hershey Medical Center, The Pennsylvania State University, PA, USA.

^d Department of Human Development and Family Studies and Center for Healthy Aging,
The Pennsylvania State University, University Park, Pennsylvania, USA.

^e Department of Neurology, Department of Psychiatry and Behavioral Sciences, Department of Epidemiology and Population Health, Albert Einstein College of Medicine, Bronx, USA.

^f Department of Neurology, Albert Einstein College of Medicine, Bronx, USA.

⁹ College of Nursing, The Pennsylvania State University, University Park, Pennsylvania, USA.

Corresponding author:

Dr. Christopher G. Engeland, Associate Professor, Department of Biobehavioral Health, 229 Biobehavioral Health Building, The Pennsylvania State University, University Park, PA 16802; 814-865-4694, email: cge2@psu.edu

Download English Version:

https://daneshyari.com/en/article/8650697

Download Persian Version:

https://daneshyari.com/article/8650697

<u>Daneshyari.com</u>