Uric acid promotes vascular stiffness, maladaptive inflammatory responses and proteinuria in western diet fed mice

Annayya R. Aroor, Guanghong Jia, Javad Habibi, Zhe Sun, Francisco I. Ramirez-Perez, Barron Brady, Dongqing Chen, Luis A. Martinez-Lemus, Camila Manrique, Ravi Nistala, Adam T. Whaley-Connell, Vincent Demarco, Gerald A. Meininger, James R. Sowers

PII: S0026-0495(17)30165-8
DOI: doi: 10.1016/j.metabol.2017.06.006
Reference: YMETA 53612

To appear in: *Metabolism*

Received date: 8 April 2017
Accepted date: 15 June 2017

Please cite this article as: Aroor Annayya R., Jia Guanghong, Habibi Javad, Sun Zhe, Ramirez-Perez Francisco I., Brady Barron, Chen Dongqing, Martinez-Lemus Luis A., Manrique Camila, Nistala Ravi, Whaley-Connell Adam T., Demarco Vincent, Meininger Gerald A., Sowers James R., Uric acid promotes vascular stiffness, maladaptive inflammatory responses and proteinuria in western diet fed mice, *Metabolism* (2017), doi: 10.1016/j.metabol.2017.06.006

Uric acid promotes vascular stiffness, maladaptive inflammatory responses and proteinuria in western diet fed mice

Annayya R. Aroor*[a,d], Guanghong Jia[a,d], Javad Habibi[a,d], Zhe Sun[e], Francisco I. Ramirez-Perez [e], Barron Brady[a,d], Dongqing Chen [a,d], Luis A. Martinez-Lemus[c,e], Camila Manrique[a,d], Ravi Nistala[a,b,d], Adam T. Whaley-Connell[a,b,d], Vincent Demarco[a,c,d], Gerald A. Meininger[c,e], and James R. Sowers *[a,c,d].

Diabetes and Cardiovascular Research Center[a], Division of Nephrology and Hypertension[b], Department of Medicine, and Department of Medical Pharmacology and Physiology[c], University of Missouri Columbia, School of Medicine, Research Service Harry S Truman Memorial Veterans Hospital[d], and Dalton Cardiovascular Research Center[e], University of Missouri School of Medicine, Columbia, MO, 65212, USA.

Corresponding author:
Annayya R Aroor MD PhD or James R Sowers MD
Diabetes and Cardiovascular Research Center
Department of Medicine, Medical Pharmacology and Physiology
University of Missouri. School of Medicine
D109 Diabetes Center HSC
One Hospital Drive, Columbia, MO 65212
Phone: (573) 884-0769
Fax: (573) 884-5530
E-mail: aroora@health.missouri.edu or sowersj@health.missouri.edu