Accepted Manuscript

Cellular cholesterol accumulation modulates high fat high sucrose (HFHS) diet-induced ER stress and hepatic inflammasome activation in the development of non-alcoholic steatohepatitis

Amir Bashiri, Dinushan Nesan, Ghazaleh Tavallaee, Ian Sue-Chue-Lam, Kevin Chien, Graham F. Maguire, Mark Naples, Jing Zhang, Lilia Magomedova, Khosrow Adeli, Carolyn L. Cummins, Dominic S. Ng

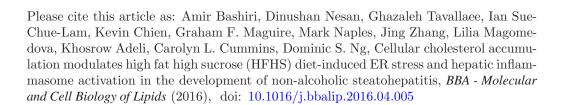
PII: S1388-1981(16)30099-3

DOI: doi: 10.1016/j.bbalip.2016.04.005

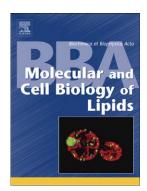
Reference: BBAMCB 57953

To appear in: BBA - Molecular and Cell Biology of Lipids

Received date: 9 November 2015 Revised date: 5 April 2016 Accepted date: 11 April 2016



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

Cellular cholesterol accumulation modulates high fat high sucrose (HFHS) dietinduced ER stress and hepatic inflammasome activation in the development of non-alcoholic steatohepatitis

Amir Bashiri^{1,2}, Dinushan Nesan¹, Ghazaleh Tavallaee¹, Ian Sue-Chue-Lam¹, Kevin Chien¹, Graham F. Maguire¹, Mark Naples⁵, Jing Zhang⁵, Lilia Magomedova⁴, Khosrow Adeli⁵, Carolyn L. Cummins⁴, Dominic S. Ng^{1,2,3}

From Keenan Research Centre, Li Ka Shing Knowledge Institute, Department of Medicine, St Michael's Hospital, Toronto¹, Department of Physiology, Faculty of Medicine, University of Toronto, Toronto², Department of Laboratory Medicine and Pathobiology, University of Toronto, Toronto³, Faculty of Pharmacy, University of Toronto, Toronto, Toronto⁴, Molecular Structure and Function Program, Research Institute, The Hospital for Sick Children, Toronto, Ontario, Canada ⁵.

Running head: Role of cellular and ER free cholesterol in diet-induced NAFLD

Address correspondence to: Dominic S. Ng, PhD, MD, Keenan Research Center, St. Michael's Hospital, 30 Bond St, Shuter 3-041, Toronto, ON, Canada, M5B1W8
Tel: 416-864-5197, Fax: 416-864-5584, E-mail: ngd@smh.ca

Download English Version:

https://daneshyari.com/en/article/8301682

Download Persian Version:

https://daneshyari.com/article/8301682

<u>Daneshyari.com</u>