## Accepted Manuscript

Gut microbiota mediates diurnal variation of acetaminophen induced acute liver injury in mice

Shenhai Gong, Tian Lan, Liyan Zeng, Haihua Luo, Xiaoyu Yang, Na Li, Xiaojiao Chen, Zhanguo Liu, Rui Li, Sanda Win, Shuwen Liu, Hongwei Zhou, Bernd Schnabl, Yong Jiang, Neil Kaplowitz, Peng Chen

PII: S0168-8278(18)30146-6

DOI: https://doi.org/10.1016/j.jhep.2018.02.024

Reference: JHEPAT 6885

To appear in: Journal of Hepatology

Received Date: 27 November 2017 Revised Date: 1 February 2018 Accepted Date: 20 February 2018



Please cite this article as: Gong, S., Lan, T., Zeng, L., Luo, H., Yang, X., Li, N., Chen, X., Liu, Z., Li, R., Win, S., Liu, S., Zhou, H., Schnabl, B., Jiang, Y., Kaplowitz, N., Chen, P., Gut microbiota mediates diurnal variation of acetaminophen induced acute liver injury in mice, *Journal of Hepatology* (2018), doi: https://doi.org/10.1016/j.jhep. 2018.02.024

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

# Gut microbiota mediates diurnal variation of acetaminophen induced acute liver injury in mice

Shenhai Gong<sup>1,2,3#</sup>, Tian Lan<sup>6#</sup>, Liyan Zeng<sup>7</sup>, Haihua Luo<sup>1,2,3</sup>, Xiaoyu Yang<sup>1,2,3</sup>, Na Li<sup>1,2,3</sup>, Xiaojiao Chen<sup>1</sup>, Zhanguo Liu<sup>8</sup>, Rui Li<sup>6</sup>, Sanda Win<sup>4</sup>, Shuwen Liu<sup>1,7</sup>, Hongwei Zhou<sup>1</sup>, Bernd Schnabl<sup>5</sup>, Yong Jiang<sup>1,2,3\*,a</sup>, Neil Kaplowitz<sup>4,a</sup> and Peng Chen<sup>1,2,3,8\*,a</sup>

<sup>1</sup>State Key Laboratory of Organ Failure Research; Southern Medical University, Guangzhou, China,

<sup>2</sup>Guangdong Provincial Key Laboratory of Proteomics, Southern Medical University, Guangzhou, China,

<sup>3</sup>Department of Pathophysiology, Southern Medical University, Guangzhou, China,

<sup>4</sup>University of Southern California Research Center for Liver Diseases, Keck School of Medicine, University of Southern California, Los Angeles, USA,

<sup>5</sup>Department of Medicine, University of California San Diego, La Jolla, USA,

<sup>6</sup>Guangdong Pharmaceutical University, Guangzhou, China.

<sup>7</sup>School of Pharmaceutical Sciences, Southern Medical University, Guangzhou, China,

<sup>8</sup>Department of Intensive Care Unit, Zhujiang Hospital, Southern Medical University,
Guangzhou, China.

\*Correspondence: Peng Chen, Ph.D, Department of Pathophysiology, Southern Medical University, GuangZhou, China, Tel: +86(20)61648172-839; Email perchen@smu.edu.cn; or Yong Jiang, Ph.D, Department of Pathophysiology, Southern Medical University, GuangZhou, China, Tel: +86(20)61648231; Email jiang48231@163.com

Keywords: acetaminophen; gut microbiota; metabolomics; acute liver injury

1

<sup>#</sup> These authors contribute equally to this work

<sup>&</sup>lt;sup>a</sup> These authors share co-senior author

#### Download English Version:

# https://daneshyari.com/en/article/8728961

Download Persian Version:

https://daneshyari.com/article/8728961

<u>Daneshyari.com</u>