## Accepted Manuscript

### **Research Article**

Hepatocyte-specific deletion of IL1-RI attenuatesliver injury by blocking IL-1 driven autoinflammation

Nadine Gehrke, Nadine Hövelmeyer, Ari Waisman, Beate K. Straub, Julia Weinmann-Menke, Marcus A. Wörns, Peter R. Galle, Jörn M. Schattenberg

PII:S0168-8278(18)30020-5DOI:https://doi.org/10.1016/j.jhep.2018.01.008Reference:JHEPAT 6827To appear in:Journal of Hepatology

11 5 1

Received Date:23 January 2017Revised Date:5 December 2017Accepted Date:10 January 2018



Please cite this article as: Gehrke, N., Hövelmeyer, N., Waisman, A., Straub, B.K., Weinmann-Menke, J., Wörns, M.A., Galle, P.R., Schattenberg, J.M., Hepatocyte-specific deletion of IL1-RI attenuatesliver injury by blocking IL-1 driven autoinflammation, *Journal of Hepatology* (2018), doi: https://doi.org/10.1016/j.jhep.2018.01.008

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**

#### Hepatocyte-specific deletion of IL1-RI attenuates liver injury by blocking IL-1 driven

#### autoinflammation

Nadine Gehrke<sup>1</sup>, Nadine Hövelmeyer<sup>2</sup>, Ari Waisman<sup>2</sup>, Beate K. Straub<sup>3</sup>, Julia Weinmann-Menke<sup>1</sup>, Marcus A. Wörns<sup>1</sup>, Peter R. Galle<sup>1</sup>, Jörn M. Schattenberg<sup>1\*</sup> <sup>1</sup>I. Department of Medicine, <sup>2</sup>Institute for Molecular Medicine and <sup>3</sup>Institute of Pathology, University Medical Center Mainz, Germany.

#### Corresponding author:

Jörn M. Schattenberg University Medical Center of the Johannes Gutenberg University I. Department of Medicine Langenbeckstraße 1 55131 Mainz, Germany Telephone: +49 6131 176074 Telefax: +49 6131 17477282 E-Mail: joern.schattenberg@unimedizin-mainz.de

Running title: IL-1RI in hepatocytes amplifies liver injury.

*Keywords:* interleukin-1; interleukin-1 receptor type 1; acute liver failure; acute on chronic liver failure; therapy; liver disease; inflammation; neutrophils; NALP3 inflammasome; caspase 1; pyroptosis; NF-kappaB; JNK; TLR4; TNF-alpha

Electronic word count: 5896

Number of figures and tables: 8 figures

Conflict of interest statement: The authors declare no conflict of interest.

*Financial support statement:* JMS received funding from the Deutsche Krebshilfe (grant number 93199) and support of intramural funds of the Johannes Gutenberg University Mainz. NG received funding from the Mainzer Wissenschaftsstiftung (MWS).

Download English Version:

https://daneshyari.com/en/article/8729080

Download Persian Version:

https://daneshyari.com/article/8729080

Daneshyari.com