

Accepted Manuscript

Fibroblast Growth Factor Signaling Controls Liver Size in Mice With Humanized Livers

Willscott E. Naugler, Branden D. Tarlow, Lev M. Fedorov, Matthew Taylor, Carl Pelz, Bin Li, Jennifer Darnell, Markus Grompe

PII: S0016-5085(15)00770-2
DOI: [10.1053/j.gastro.2015.05.043](https://doi.org/10.1053/j.gastro.2015.05.043)
Reference: YGAST 59814

To appear in: *Gastroenterology*
Accepted Date: 20 May 2015

Please cite this article as: Naugler WE, Tarlow BD, Fedorov LM, Taylor M, Pelz C, Li B, Darnell J, Grompe M, Fibroblast Growth Factor Signaling Controls Liver Size in Mice With Humanized Livers, *Gastroenterology* (2015), doi: 10.1053/j.gastro.2015.05.043.

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.

All studies published in *Gastroenterology* are embargoed until 3PM ET of the day they are published as corrected proofs on-line. Studies cannot be publicized as accepted manuscripts or uncorrected proofs.



Title: Fibroblast Growth Factor Signaling Controls Liver Size in Mice With Humanized Livers

Short title: Bile acid pool controls the hepatostat.

Willscott E. Naugler^{1,2}

Branden D. Tarlow³

Lev M. Fedorov⁴

Matthew Taylor⁵

Carl Pelz⁶

Bin Li²

Jennifer Darnell¹

Markus Grompe^{2,5}

¹Dept. of Medicine, Division of GI & Hepatology

²Oregon Stem Cell Center

³Dept. of Cell, Developmental, and Cancer Biology

⁴OHSU Transgenic Mouse Models Shared Resource

⁵Dept. of Hematology & Oncology

⁶Dept. of Pediatrics, Papé Family Pediatric Research Institute

Oregon Health & Science Center, Portland, OR

Abbreviations used in this paper: FAH, fumarylacetoacetate hydrolase; FGF19, Fibroblast growth factor 19; Fgf15, Fibroblast growth factor 15; FGFR4, Fibroblast growth factor receptor 4; FXR, farnesoid X receptor; BAC, Bacterial artificial chromosome; PV, Portal vein; BDL, Bile duct ligation; NPC, Non-parenchymal cells

Corresponding author:

Dr. Willscott E. Naugler

Dept. of Medicine, Division of GI & Hepatology

Oregon Health & Science University, MC L461

Portland, OR 97239

Tel: 503-494-7137

Download English Version:

<https://daneshyari.com/en/article/6092716>

Download Persian Version:

<https://daneshyari.com/article/6092716>

[Daneshyari.com](https://daneshyari.com)