### Accepted Manuscript

Suppressed osteoclast differentiation at the chondro-osseous junction mediates endochondral ossification retardation in long bones of Wistar fetal rats with prenatal ethanol exposure

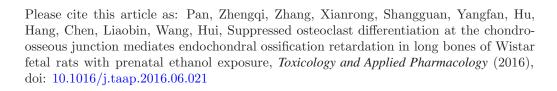
Zhengqi Pan, Xianrong Zhang, Yangfan Shangguan, Hang Hu, Liaobin Chen, Hui Wang

PII: S0041-008X(16)30155-7 DOI: doi: 10.1016/j.taap.2016.06.021

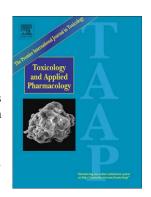
Reference: YTAAP 13685

To appear in: Toxicology and Applied Pharmacology

Received date: 12 April 2016 Revised date: 17 June 2016 Accepted date: 18 June 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**

#### **Title Page**

Suppressed osteoclast differentiation at the chondro-osseous junction mediates endochondral ossification retardation in long bones of Wistar fetal rats with prenatal ethanol exposure

Zhengqi Pan a,b,1, Xianrong Zhang c,1, Yangfan Shangguan a, Hang Hu a, Liaobin Chen a,c\*, Hui Wang b,c\*

<sup>a</sup> Department of Orthopedic Surgery, Zhongnan Hospital of Wuhan University, Wuhan 430071, China

<sup>b</sup> Department of Pharmacology, Basic Medical School of Wuhan University, Wuhan 430071, China

<sup>c</sup> Hubei Provincial Key Laboratory of Developmentally Originated Disease, Wuhan 430071, China

<sup>1</sup>Zhengqi Pan and Xianrong Zhang have contributed equally to this work.

#### \*Corresponding Authors:

Liaobin Chen, Ph.D., Department of Orthopedic Surgery, Zhongnan Hospital of Wuhan University. Tel: +86-27-67812892; Fax: +86-27-67812892; E-mail: lbchen@whu.edu.cn; Hui Wang, Ph.D., Department of Pharmacology, Basic Medical School of Wuhan University. Tel: +86-27-68758665; Fax: +86-27-68759222; E-mail: wanghui19@whu.edu.cn.

#### Download English Version:

# https://daneshyari.com/en/article/5845851

Download Persian Version:

https://daneshyari.com/article/5845851

<u>Daneshyari.com</u>