

Accepted Manuscript

Hyperoxia-mediated transcriptional activation of cytochrome P4501A1 (*CYP1A1*) and decreased susceptibility to oxygen-mediated lung injury in newborn mice

Weiwu Jiang, Paramahansa Maturu, Yanhong Wei Liang, Lihua Wang, Krithika Lingappan, Xanthi Couroucli



PII: S0006-291X(17)32151-4

DOI: [10.1016/j.bbrc.2017.10.166](https://doi.org/10.1016/j.bbrc.2017.10.166)

Reference: YBBRC 38783

To appear in: *Biochemical and Biophysical Research Communications*

Received Date: 24 October 2017

Accepted Date: 29 October 2017

Please cite this article as: W. Jiang, P. Maturu, Y.W. Liang, L. Wang, K. Lingappan, X. Couroucli, Hyperoxia-mediated transcriptional activation of cytochrome P4501A1 (*CYP1A1*) and decreased susceptibility to oxygen-mediated lung injury in newborn mice, *Biochemical and Biophysical Research Communications* (2017), doi: 10.1016/j.bbrc.2017.10.166.

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.

HYPEROXIA-MEDIATED TRANSCRIPTIONAL ACTIVATION OF CYTOCHROME P4501A1
(CYP1A1) AND DECREASED SUSCEPTIBILITY TO OXYGEN-MEDIATED LUNG INJURY IN
NEWBORN MICE

Weiwu Jiang, Paramahansa Maturu, Yanhong Wei Liang, Lihua Wang, Krithika Lingappan, and
Xanthi Couroucli*

Authors Institutional affiliation: ^aDepartment of Pediatrics, Section of Neonatology, Texas
Children's Hospital, Baylor College of Medicine, Houston, Texas, USA Address: 1102 Bates
Avenue, MC: FC530.01, Houston, Texas 77030.

***Corresponding author:**

Xanthi Couroucli, M.D.
Department of Pediatrics
Section of Neonatology
Texas Children's Hospital
Baylor College of Medicine
1102 Bates Avenue, MC: FC530.01
Houston, Texas 77030, USA

Phone: +1-832-824-3209.
Fax: +1-832-825-3204.
E-mail: xanthic@bcm.edu

Key words: Hyperoxia; bronchopulmonary dysplasia (BPD); cytochrome P450; human *CYP1A1*-
luciferase; lung injury; newborn

Download English Version:

<https://daneshyari.com/en/article/8295608>

Download Persian Version:

<https://daneshyari.com/article/8295608>

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