CONTENTS

SHORT COMMUNICATIONS

- Essential Role of the Cytochrome P450 Enzyme CYP2A5 in Olfactory Mucosal Toxicity of Naphthalene. Jinping Hu, Li Sheng, Lei Li, Xin Zhou, Fang Xie, Jaime D’Agostino, Yan Li, and Xinxin Ding. 23

- Candidate Gene Polymorphisms in Patients with Acetaminophen-Induced Acute Liver Failure. Michael H. Court, Inga Peter, Swagmani Hazarika, Magdalini Vasiadi, David J. Greenblatt, William M. Lee, and The Acute Liver Failure Study Group. 28

- Selective Inhibition of Cytochrome P450 2D6 by Sarpogrelate and Its Active Metabolite, M-1, in Human Liver Microsomes. Doo-Yeoun Cho, Soo Hyeon Bae, Joeng Kee Lee, Yang Weon Kim, Bom-Taeck Kim, and Soo Kyung Bae. 33


SYMPOSIUM REPORT


ARTICLES

- MicroRNA-561 Promotes Acetaminophen-Induced Hepatotoxicity in HepG2 Cells and Primary Human Hepatocytes through Downregulation of the Nuclear Receptor Corepressor Dosage-Sensitive Sex-Reversal Adrenal Hypoplasia Congenital Critical Region on the X Chromosome, Gene 1 (DAX-1). Minghua Li, Yinxue Yang, Zhi-Xu He, Zhi-Wei Zhou, Tianxin Yang, Peixuan Guo, Xueji Zhang, and Shu-Feng Zhou. 44

- Oatp1a1 Requires PDZK1 to Traffic to the Plasma Membrane by Selective Recruitment of Microtubule-Based Motor Proteins. Wen-Jun Wang, John W. Murray, and Allan W. Wolcok. 62

- A Role for Cytochrome b5 in the In Vivo Disposition of Anticancer and Cytochrome P450 Probe Drugs in Mice. Colin J. Henderson, Lesley A. McLaughlin, Robert D. Finn, Sebastien Ronseaux, Yury Kapelyukh, and C. Roland Wolf. 70


- Localization of Multidrug Resistance-Associated Proteins along the Blood-Testis Barrier in Rat, Macaque, and Human Testis. David M. Klein, Stephen H. Wright, and Nathan J. Cherrington. 89

- Deoxyschizandrin, a Naturally Occurring Lignan, Is a Specific Probe Substrate of Human Cytochrome P450 3A. Jingjing Wu, Yunfeng Cao, Yanyan Zhang, Yong Liu, James Y. Hong, Liangliang Zhu, Guangbo Ge, and Ling Yang. 94

Continued on next page

In Vitro Hydrolysis and Transesterification of CDP323, an α4β1/α4β7 Integrin Antagonist Ester Prodrug. Hugues Chanteux, Maria Rosa, Claude Delatour, Chandra Prakash, Steven Smith, and Jean-Marie Nicolas


Role of Constitutive Androstane Receptor in Toll-Like Receptor-Mediated Regulation of Gene Expression in Hepatic Drug-Metabolizing Enzymes and Transporters. Pranav Shah, Tao Guo, David D. Moore, and Romi Ghose


In Vivo to In Vitro Effects of Six Bioactive Lignans of Wuzhi Tablet (Schisandra Sphenanthera Extract) on the CYP3A/P-glycoprotein–Mediated Absorption and Metabolism of Tacrolimus. Xiao Ling Qin, Xiao Chen, Ying Wang, Xin Ping Xue, Ying Wang, Jia Li Li, Xue Ding Wang, Guo Ping Zhong, Chang Xi Wang, Hui Yang, Min Huang, and Hui Chang Bi

**ERRATUM**

Correction to “Meeting the Challenge of Predicting Hepatic Clearance of Compounds Slowly Metabolized by Cytochrome P450 Using a Novel Hepatocyte Model, HepatoPac”.

Supplemental material is available online at http://dmd.aspetjournals.org.

*About the cover:* Histopathological analysis of nasal mucosal injury caused by NA treatment in WT and Cyp2a5-null mice. See article by Hu et al. (dx.doi.org/10.1124/dmd.113.054429)