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

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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


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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

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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

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Tissue-Specific Metabolism of Benzo[a]pyrene in Rainbow Trout (Oncorhynchus mykiss): A Comparison between the Liver and Immune Organs. Anja-Maria Möller, Corinna Hermsen, Tilman Floehr, Marja H. Lamoree, and Helmut Segner.

Nonlinear Pharmacokinetics of (+)3,4-Methylenedioxymethamphetamine (MDMA) and Its Pharmacodynamic Consequences in the Rat. Marta Concheiro, Michael H. Baumann, Karl B. Scheidweiler, Richard B. Rothman, Gina F. Marrone, and Marilyn A. Huestis.

In Vitro Drug Metabolism by Human Carboxylesterase 1: Focus on Angiotensin-Converting Enzyme Inhibitors. Ragnar Thomsen, Henrik B. Rasmussen, Kristian Linnet, and The INDICES Consortium.


Multiple Cytochrome P450 Isoforms Are Involved in the Generation of a Pharmacologically Active Thiol Metabolite, whereas Paraoxonase 1 and Carboxylesterase 1 Catalyze the Formation of a Thiol Metabolite Isomer from Ticlopidine. Min-Jung Kim, Eun Sook Jeong, Jung-Soon Park, Su-Jun Lee, Jong Lyul Ghim, Chang-Soo Choi, Jae-Gook Shin, and Dong-Hyun Kim.

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.


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, Xiaofeng Xiao, 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)