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, Swagamani 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**

- Evaluation and Mechanistic Analysis of the Cytotoxicity of the Acyl Glucuronide of Nonsteroidal Anti-Inflammatory Drugs. **Taishi Miyashita, Kento Kimura, Tatsuki Fukami, Miki Nakajima, and Tsuyoshi Yokoi** .................................................. 1

- 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. Wolko** ............. 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
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)