MINIREVIEW


ARTICLES

In Vitro–In Vivo Inaccuracy: The CYP3A4 Anomaly. Christine M. Bowman, and Leslie Z. Benet .......................... 1368

Ginsenoside Rc Is a New Selective UGT1A9 Inhibitor in Human Liver Microsomes and Recombinant Human UGT Isoforms. Hyunyoung Lee, Jae-Kyung Heo, Ga-Hyun Lee, So-Young Park, Su-Nyeong Jang, Hyun-Ji Kim, Mi Jeong Kwon, Im-Sook Song, and Kwang-Hyeon Liu .......................... 1372

An Accurate In Vitro Prediction of Human VDss Based on the Øie–Tozer Equation and Primary Physicochemical Descriptors. 3. Analysis and Assessment of Predictivity on a Large Dataset. Giuliano Berellini and Franco Lombardo .......................... 1380

Role of L- and D-Menthol in the Glucuronidation and Detoxification of the Major Lung Carcinogen, NNAL. Shannon Kozlovich, Gang Chen, Christy J.W. Watson, William J. Blot, and Philip Lazarus .......................... 1388

Protein Binding and Hepatic Clearance: Re-Examining the Discrimination between Models of Hepatic Clearance with Diazepam in the Isolated Perfused Rat Liver Preparation. Hong-Jaan Wang and Leslie Z. Benet 1397

Brain Distributional Kinetics of a Novel MDM2 Inhibitor SAR405838: Implications for Use in Brain Tumor Therapy. Minjee Kim, Janice K. Laracy, Gautham Gampa, Karen E. Parrish, Richard Brundage, Jann N. Sarkaria, and William F. Elmquist .......................... 1403


CYP2D1 Gene Knockout Reduces the Metabolism and Efficacy of Venlafaxine in Rats. Hongqiu Zhou, Li Yang, Changsuo Wang, Zhiqiang Li, Zhen Ouyang, Mangting Shan, Jun Gu, and Yuan Wei .......................... 1425

Organic Anion-Transporting Polypeptide Genes Are Not Induced by the Pregnane X Receptor Activator Rifampin: Studies in Hepatocytes In Vitro and in Monkeys In Vivo. Congrong Niu, Li Yang, Xiaofeng Zhao, Sam Tep, Eisuke Murakami, Raju Subramanian, Bill Smith, and Yurong Lai .......................... 1433


Toxicokinetic Interaction between Hepatic Disposition and Pulmonary Bioactivation of Inhaled Naphthalene Studied Using Cyp2abfgs-Null and CYP2A13/2F1-Humanized Mice with Deficient Hepatic Cytochrome P450 Activity. Nataliia Kovalchuk, Qings-Yu Zhang, Jacklyn Kelty, Laura Van Winkle, and Xinxin Ding .......................... 1469

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

About the cover: Overview on cellular clearance and biotransformation processes in endothelial cells and hematopoietic cells (primarily macrophages). See the article by Schadt et al. (dx.doi.org/10.1124/dmd.119.088997).