MINIREVIEW

Trimethylamine and Trimethylamine N-Oxide, a Flavin-Containing Monoxygenase 3 (FMO3)-Mediated Host-Microbiome Metabolic Axis Implicated in Health and Disease. Diede Fennema, Ian R. Phillips, and Elizabeth A. Shephard .................... 1839

ARTICLES

Hepatic Clearance Predictions from In Vitro–In Vivo Extrapolation and the Biopharmaceutics Drug Disposition Classification System. Christine M. Bowman and Leslie Z. Benet ..................... 1731

Rifampin-Mediated Induction of Tamoxifen Metabolism in a Humanized PXR-CAR-CYP3A4/3A7-CYP2D6 Mouse Model. Jae H. Chang, John Chen, Liling Liu, Kirsten Messick, and Justin Ly ............. 1736

A High Dose of Isoniazid Disturbs Endobiotic Homeostasis in Mouse Liver. Feng Li, Pengcheng Wang, Ke Liu, Mariana G. Tarrago, Jie Lu, Eduardo N. Chini, and Xiaochao Ma .................. 1742

Transporter Expression in Liver Tissue from Subjects with Alcoholic or Hepatitis C Cirrhosis Quantified by Targeted Quantitative Proteomics. Li Wang, Carol Collins, Edward J. Kelly, Xiaoyan Chu, Adrian S. Ray, Laurent Salphati, Guangqing Xiao, Caroline Lee, Yurong Lai, Mingxiang Liao, Anita Mathias, Raymond Evers, William Humphreys, Cornelis E. C. A. Hop, Sean C. Kumer, and Jashvant D. Unadkat ............. 1752


Roles of Residues F206 and V367 in Human CYP2B6: Effects of Mutations on Androgen Hydroxylation, Mechanism-Based Inactivation, and Reversible Inhibition. Hsia- lien Lin, Haoming Zhang, Cesar Kenaan, and Paul F. Hollenberg ............. 1771

Early Alterations of Bile Canaliculi Dynamics and the Rho Kinase/Myosin Light Chain Kinase Pathway Are Characteristics of Drug-Induced Intrahepatic Cholestasis. Matthew G. Burbank, Audrey Burban, Ahmad Sharamek, Richard J. Weaver, Christiane Guguen-Guillouzo, and André Guillouzo ....... 1780

Nonalcoholic Steatohepatitis Modulates Membrane Protein Retrieval and Insertion Processes. A. L. Dzierlenga, J. D. Clarke, and N. J. Cherrington .................................................. 1799

The Prediction of the Relative Importance of CYP3A/P-glycoprotein to the Nonlinear Intestinal Absorption of Drugs by Advanced Compartmental Absorption and Transit Model. Junichi Takano, Kazuya Maeda, Michael B. Bolger, and Yuichi Sugiyama ................. 1808


SHORT COMMUNICATIONS

A Fragment-Based Approach for the Computational Prediction of the Nonspecific Binding of Drugs to Hepatic Microsomes. Pramod C. Nair, Ross A. McKinnon, and John O. Miners ............. 1794

Evaluation of 24 CYP2D6 Variants on the Metabolism of Nebivolol In Vitro. Xiaoxia Hu, Tian Lan,