COMMENTS

Clearance Prediction Methodology Needs Fundamental Improvement: Trends Common to Rat and Human Hepatocytes/Microsomes and Implications for Experimental Methodology. F. L. Wood, J. B. Houston, and D. Hallifax

ARTICLES

Wuzhi Tablet (Schisandra sphenanthera Extract) is a Promising Tacrolimus-Sparing Agent for Renal Transplant Recipients Who are CYP3A5 Expressers: a Two-Phase Prospective Study. Jiali Li, Siyang Chen, Xiaoling Qin, Qian Fu, Huichang Bi, Yu Zhang, Xueding Wang, Longshan Liu, Changxi Wang, and Min Huang

Measurement and Mathematical Characterization of Cell-Level Pharmacokinetics of Antibody-Drug Conjugates: A Case Study with Trastuzumab-vc-MMAE. Aman P. Singh and Dhaval K. Shah

CYP-Mediated Sulfoximine Deimination of AZD6738. Barry C. Jones, Roshini Markandu, Chungang Gu, and Graeme Scarfe


A Comprehensive Functional Assessment of Carboxylesterase 1 Nonsynonymous Polymorphisms. Xinwen Wang, Nada Rida, Jian Shi, Audrey H. Wu, Barry E. Bleske, and Hao-Jie Zhu

Physiologically Based Pharmacokinetic Model of the CYP2D6 Probe Atomoxetine: Extrapolation to Special Populations and Drug-Drug Interactions. Weize Huang, Mariko Nakano, Jennifer Sager, Isabelle Ragueneau-Majlessi, and Nina Isoherranen


Hepatic Flavin-Containing Monoxygenase 3 Enzyme Suppressed by Type 1 Allergy-Produced Nitrile Oxide. Tadatoshi Tanino, Toru Bando, Akira Komada, Yukie Nojiri, Yuna Okada, Yukari Ueda, and Eiichi Sakurai

Novel Interactions between Gut Microbiome and Host Drug-Processing Genes Modify the Hepatic Metabolism of the Environmental Chemicals Polybrominated Diphenyl Ethers. Cindy Yanfei Li, Soowan Lee, Sara Cade, Li-Jung Kuo, Irvin R. Schultz, Deepak K. Bhatt, Bhagwat Prasad, Theo K. Bammler, and Julia Yue Cui

ERRATA

Correction to “Interaction of 2,4-Diaminopyrimidine Containing Drugs Including Fedratinib and Trimethoprim with Thiamine Transporters“.

Correction to “Involvement of Nuclear Factor κB, not Pregnan X Receptor, in Inflammation-Mediated Regulation of Hepatic Transporters”.

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

About the cover: Formation of unconjugated MMAE in the media and cellular space of GFP-MCF7 cells after incubation with 75 nM T-vc-MMAE. Please see the article by Singh and Shah (dx.doi.org/10.1124/dmd.117.076414).