MINIREVIEW

Design and Interpretation of Human Sulfotransferase A1 Assays. Ting Wang, Ian Cook, and Thomas S. Leyh. 481

SYMPOSIUM REPORT

The Role of Protein-Protein and Protein-Membrane Interactions on P450 Function. Emily E. Scott, C. Roland Wolf, Michal Otyepka, Sara C. Humphreys, James R. Reed, Colin J. Henderson, Lesley A. McLaughlin, Markéta Palončyová, Veronika Navrátilová, Karel Berka, Pavel Anzenbacher, James A. Brozik, Jeffrey P. Jones, D. Fernando Estrada, Jennifer S. Laurence, Ji Won Park, and Wayne L. Backes 576

ARTICLES

Efflux Transport Characterization of Resveratrol Glucuronides in UDP-Glucuronosyltransferase 1A1 Transfected HeLa Cells: Application of a Cellular Pharmacokinetic Model to Decipher the Contribution of Multidrug Resistance–Associated Protein 4. Shuai Wang, Feng Li, Enxi Quan, Dong Dong, and Baojian Wu 485

Effect of Ondanestrone on Metformin Pharmacokinetics and Response in Healthy Subjects. Qing Li, Hong Yang, Dong Guo, Taolan Zhang, James E. Poll, Honghao Zhou, and Yan Shu 489

CYP267A1 and CYP267B1 from Sorangium cellulosum So ce56 are Highly Versatile Drug Metabolizers. Fredy Kern, Yogesh Khatri, Martin Litzenburger, and Rita Bernhardt 495


Hepatic Transporter Expression in Metabolic Syndrome: Phenotype, Serum Metabolic Hormones, and Transcription Factor Expression. Ajay C. Donepudi, Qiuyong Cheng, Zhengiang James Lu, Nathan J. Cherrington, and Angela L. Slitt 518

Determination of Human Hepatocyte Intrinsic Clearance for Slowly Metabolized Compounds: Comparison of a Primary Hepatocyte/Stromal Cell Co-culture with Plated Primary Hepatocytes and HepaRG. Britta Bonn, Petter Svanberg, Annika Janefeldt, la Hultman, and Ken Grime 527

Inactivation of CYP2A6 by the Dietary Phenylpropenoid trans-Cinnamic Aldehyde (Cinnamaldehyde) and Estimation of Interactions with Nicotine and Letrozole. Jeannine Chan, Tyler Oshtiro, Sarah Thomas, Allyson Higa, Stephen Black, Aleksandar Todorovic, Fawzy Elbarbry, and John P. Harrelson 534

Stereoselective Glucuronidation of Bupropion Metabolites In Vitro and In Vivo. Brandon T. Gufford, Jessica Bo Li Lu, Ingrid F. Metzger, David R. Jones, and Zeruesenay Desta 544

Sacubitril Is Selectively Activated by Carboxylesterase 1 (CES1) in the Liver and the Activation Is Affected by CES1 Genetic Variation. Jian Shi, Xinwen Wang, Jenny Nguyen, Audrey H. Wu, Barry E. Bleske, and Hao-Jie Zhu 554

Biomarkers of Flutamide-Bioactivation and Oxidative Stress In Vitro and In Vivo. Marieke Teppner, Franziska Boess, Beat Ernst, and Axel Pähler 560


Nonsterol Isoprenoids Activate Human Constitutive Androstane Receptor in an Isoform-Selective Manner in Primary Cultured Mouse Hepatocytes. Elizabth A. Rondini, Zofia Duniec-Dmuchowski, and Thomas A. Kocarek 595

Continued on next page
Identification of Epoxide-Derived Metabolite(s) of Benz bromarone. Kai Wang, Hui Wang, Ying Peng, and Jiang Zheng ............................................. 607

SHORT COMMUNICATION
Simvastatin Hydroxy Acid Fails to Attain Sufficient Central Nervous System Tumor Exposure to Achieve a Cytotoxic Effect: Results of a Pre-clinical Cerebral Microdialysis Study. Yogesh T. Patel, Megan O. Jacus, Abigail D. Davis, Nidal Boulos, David C. Turner, Pradeep K. Vuppala, Burgess B. Freeman, 3rd, Richard J. Gilbertson, and Clinton F. Stewart ..................... 591

ERRATA
Correction to: “Using the BacMam Baculovirus System to Study Expression and Function of Recombinant Efflux Drug Transporters in Polarized Epithelial Cell Monolayers”. ............................. 517
Correction to “Effects of Phenobarbital on Expression of UDP-Glucuronosyltransferase 1a6 and 1a7 in Rat Brain”. ............................................................... 605
Correction to: “A Novel Loading Method for Doxycycline Liposomes for Intracellular Drug Delivery: Characterization of In Vitro and In Vivo Release Kinetics and Efficacy in a J774A.1 Cell Line Model of Mycobacterium smegmatis Infection”. 606

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

About the cover: Nucleotide-linked cap closure determines substrate selection. See the article by Leyh et al., (dx.doi.org/10.1124/dmd.115.068205).