CONTENTS

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, Marketa Paloncynova, Veronika Navratilova, Karel Berka, Pavel Anzenbacher, Upendra P. Dahal, Carlo Barnaba, 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 Ondansetron on Metformin Pharmacokinetics and Response in Healthy Subjects. Qing Li, Hong Yang, Dong Guo, Taolan Zhang, James E. Polli, Honghao Zhou, and Yan Shu 489
CYP267A1 and CYP267B1 from Sorangium cellulosum So ce56 are Highly Versatile Drug Metabolizers. Fredy Kern, Yogan Khatri, Martin Litzenburger, and Rita Bernhardt 495
Hepatic Transporter Expression in Metabolic Syndrome: Phenotype, Serum Metabolic Hormones, and Transcription Factor Expression. Ajay C. Donepudi, Qiuqiong Cheng, Zhendiag 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, Jia 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 Oshiro, Sarah Thomas, Allyson Higa, Stephen Black, Aleksandar Todorovic, Pawe 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 Carboxylase- terase 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 Pahler 560
Nonsterol Isoprenoids Activate Human Constitutive Androstane Receptor in an Isoform-Selective Manner in Primary Cultured Mouse Hepatocytes. Elizabeth A. Rondini, Zofia Duntec-Dmuchowski, and Thomas A. Kocarek 595
Continued on next page
Identification of Epoxide-Derived Metabolite(s) of Benzbromarone. 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).