SHORT COMMUNICATION

Down-Regulation of Liver Drug-Metabolizing Enzymes in a Murine Model of Chronic Renal Failure. Mélina Dani, Caroline Boisvert, Josée Michaud, Judith Naud, Stéphane Lefrançois, François A. Leblond, and Vincent Pichette

ARTICLES


Identification of Human UGT2B7 as the Major Isoform Involved in the O-Glucuronidation of Chloramphenicol. Mei Chen, Barbara LeDuc, Stephen Kerr, David Howe, and David A. Williams

Identification of Cytochrome P450 Isoforms Involved in the Metabolism of Paroxetine and Estimation of Their Importance for Human Paroxetine Metabolism Using a Population-Based Simulator. Jakob Jornil, Klaus Gjervig Jensen, Frank Larsen, and Kristian Linnet

Glucuronidation of Psilocin and 4-Hydroxyindole by the Human UDP-Glucuronosyltransferases. Ne nad Manevski, Mika Kurkela, Camilla Höglund, Timo Mauriala, Michael H. Court, Jari Yli-Kauhaluoma, and Moshe Finel


New Insights into the Regulation of CYP2C9 Gene Expression: The Role of the Transcription Factor GATA-4. Jessica Mwinyi, Jana Nekvindová, Jára Cavaco, Yvonne Hofmann, Rasmus Steen Pedersen, Ellie Landman, Sören Mkrtchian, and Magnus Ingelman-Sundberg

In Silico Prediction of Biliary Excretion of Drugs in Rats Based on Physicochemical Properties. Gang Luo, Stephen Johnson, Mei-Mann Hsueh, Joanna Zheng, Hong Cai, Baomin Xin, Saeho Chong, Kan He, and Timothy W. Harper

Glucuronidation of Dihydropyandrosterone and trans-Androsterone by Recombinant UDP-Glucuronosyltransferase (UGT) 1A4: Evidence for Multiple UGT1A4 Aglycone Binding Sites. Jin Zhou, Timothy S. Tracy, and Rory P. Remmel

Monocarboxylate Transporter-Mediated Transport of γ-Hydroxybutyric Acid in Human Intestinal Caco-2 Cells. Wing Ki Lam, Melanie A. Felmlee, and Marilyn E. Morris

In Vitro Assessment of Metabolic Drug-Drug Interaction Potential of Apixaban through Cytochrome P450 Phenotyping, Inhibition, and Induc-
Content (Cont.)

Pharmacokinetics, Metabolism, and Excretion of Anacetrapib, a Novel Inhibitor of the Cholesteryl Ester Transfer Protein, in Rats and Rhesus Monkeys. Eugene Y. Tan, Georgy Hartmann, Qing Chen, Antonio Pereira, Scott Bradley, George Doss, Andy ShiQing Zhang, Jonathan Z. Ho, Matthew P. Braun, Dennis C. Dean, Wei Tang, and Sanjeev Kumar ....................... 459


UDP-Glucuronosyltransferase 1A10: Activity against the Tobacco-Specific Nitrosamine, 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanol, and a Potential Role for a Novel UGT1A10 Promoter Deletion Polymorphism in Cancer Susceptibility. Rene M. Balliet, Gang Chen, Ryan W. Dellinger, and Philip Lazarus ....................... 484


Metabolism and Excretion of the Novel Bioreductive Prodrug PR-104 in Mice, Rats, Dogs, and Humans. Yongchuan Gu, Graham J. Atwell, and William R. Wilson ....................... 498

Glucuronide Production by Whole-Cell Biotransformation Using Genetically Engineered Fission Yeast Schizosaccharomyces pombe. Călin-Aurel Drăgan, Daniela Buchheit, Daniel Bischoff, Thomas Ebner, and Matthias Bureik ....................... 509

Stable Expression, Activity, and Inducibility of Cytochromes P450 in Differentiated HepaRG Cells. Sébastien Anthérieu, Christophe Chesné, Ruoya Li, Sandrine Canus, Agustin Lahoz, Laura Picozo, Mia Turpeinen, Ari Tolonen, Jouko Uusitalo, Christiane Guguen-Guillouzo, and André Guillouzo ....................... 516

Expressions of Cytochrome P450, UDP-Glucuronosyltranferase, and Transporter Genes in Monolayer Carcinoma Cells Change in Subcutaneous Tumors Grown As Xenografts in Immunodeficient Nude Mice. Michiko Sugawara, Kiyoshi Okamoto, Tadashi Kadowaki, Kazutomi Kusano, Akiyoshi Fujimizu, and Tsutomu Yoshimura ....................... 526

LETTERS TO THE EDITOR

Comment on “Permeability, Transport, and Metabolism of Solutes in Caco-2 Cell Monolayers: A Theoretical Study”. Yuan-Sheng Zhao, Zhe-Yi Hu, Rong-Rong Jiang, Jun-Ling Yang, and Feng Chen .... 534

Response to Letter to the Editor on “Permeability, Transport, and Metabolism of Solutes in Caco-2 Cell Monolayers: A Theoretical Study”. Hua-dong Sun and K. Sandy Pang .... 536

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

About the cover: The HepaRG cells were incubated with fluorescent substrates (CDFDA, fluorescent substrate of MRP2 and BODIPY FL vinblastine, fluorescent substrate of BSEP and MDRI) for 30 min at 37°C and then observed under phase contrast and fluorescence microscopy. See the article by Anthérieu et al. on page 516 of this issue.