CONTENTS

SHORT COMMUNICATIONS

Human Liver Expression of CYP2C8: Gender, Age, and Genotype Effects. Suresh Babu Narahari-setti, Yvonne S. Lin, Mark Rieder, Kristin Marcianite, Bruce M. Psaty, Kenneth E. Thummel, and Rheem A. Totah ............ 889

Impact of the CYP2C19*17 Allele on the Pharmacokinetics of Omeprazole and Pantoprazole in Children: Evidence for a Differential Effect. Gregory L. Kearns, J. Steven Leeder, and Andrea Gaedigk .. 894


ARTICLES


N-desmethyl-Loperamide Is Selective for P-Glycoprotein among Three ATP-Binding Cassette Transporters at the Blood-Brain Barrier. Pavitra Kannan, Kyle R. Brimacome, Sami S. Zoghbi, Jeih-San Liow, Cheryl Morse, Andrew K. Taku, Victor W. Pike, Christier Hallidin, Robert B. Innis, Michael M. Gottesman, and Matthew D. Hall . 917

Investigation into UDP-Glucuronosyltransferase (UGT) Enzyme Kinetics of Imidazole- and Triazole-Containing Antifungal Drugs in Human Liver Microsomes and Recombinant UGT Enzymes. Karine Bourcier, Ruth Hyland, Sarah Kemphshall, Russell Jones, Jacqueline Maximilien, Nicola Irvine, and Barry Jones . 923

Pharmacokinetic Interaction between JBP485 and Cephalexin in Rats. Jian Zhang, Changyuan Wang, Qi Liu, Qiang Meng, Jian Cang, Huijun Sun, Ying Gao, Taichi Kaku, and Kexin Liu . 930

Intestinal Absorption of γ-Tocotrienol Is Mediated by Niemann-Pick C1-Like 1: In Situ Rat Intestinal Perfusion Studies. Bilal Abuasal, Paul W. Sylvestor, and Amal Kaddoumi ............. 939


In Vitro Glucuronidation of 2,2-Bis(bromomethyl)-1,3-propanediol by Microsomes and Hepatocytes from Rats and Humans. Golric Rad, Simone I. Hoehle, Robert K. Kuester, and I. Glenn Sipes ............. 957


Continued on next page
Identification and Characterization of Human UDP-Glucuronosyltransferases Responsible for the In Vitro Glucuronidation of Daphnetin. Si-Cheng Liang, Guang-Bo Ge, Hui-Xin Liu, Yan-Yan Zhang, Li-Ming Wang, Jiang-Wei Zhang, Lu Yin, Wei Li, Zhong-Ze Fang, Jing-Jing Wu, Guo-Hui Li, and Ling Yang ................................. 973

Selection of Alternative CYP3A4 Probe Substrates for Clinical Drug Interaction Studies Using In Vitro Data and In Vivo Simulation. Robert S. Foti, Dan A. Rock, Larry C. Wienkers, and Jan L. Wahlström ............................................. 981

A Comparison of Whole Genome Gene Expression Profiles of HepaRG Cells and HepG2 Cells to Primary Human Hepatocytes and Human Liver Tissues. Steven N. Hart, Ye Li, Kaori Nakamoto, Eva-anne Subileau, David Steen, and Xiao-bo Zhong ......................................................... 988

CYP3A4 Catalytic Activity Is Induced in Confluent Huh7 Hepatoma Cells. Louise Sivertsson, Monica Ek, Malin Darnell, Irene Edebert, Magnus Ingelman-Sundberg, and Etienne P. A. Neve .......................................................... 995

CYP2C9-CYP3A4 Protein-Protein Interactions: Role of the Hydrophobic N Terminus. Murali Subramanian, Harrison Tam, Helen Zheng, and Timothy S. Tracy ........................................ 1003

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

About the cover: Hierarchical clustering analysis of gene expression. See the article by Hart et al. on page 988 of this issue.