CONTENTS

SHORT COMMUNICATIONS

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

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


ARTICLES

In Vitro Characterization of Sarizotan Metabolism: Hepatic Clearance, Identification and Characterization of Metabolites, Drug-Metabolizing Enzyme Identification, and Evaluation of Cytochrome P450 Inhibition. Dieter Gallemann, Elmar Wimmer, Constance C. Höfer, Achim Freisleben, Markus Fluck, Bernhard Ladstetter, and Hugues Dolgos


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 Kempshall, Russell Jones, Jacqueline Maximilien, Nicola Irvine, and Barry Jones

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

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


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


Drug Metabolism and Disposition (ISSN 0090-9556) is published monthly (one volume per year) by the American Society for Pharmacology and Experimental Therapeutics, 9650 Rockville Pike, Bethesda, MD 20814-3995; e-mail: subscriptions@aspet.org; Web site: aspet.org. Periodicals postage paid at Bethesda, MD, and at additional mailing offices. POSTMASTER: Send address changes to Drug Metabolism and Disposition, 9650 Rockville Pike, Bethesda, MD 20814-3995. Subscription rates: U.S.: $436.00; outside the U.S.: $515. Single copy: $40. GST Tax Number for Canadian subscribers: BN:13489 2330 RT. Indexed or abstracted by Biochemistry & Biophysics Citation Index®, Biological Abstracts, BIOSIS Previews Database, BioSciences Information Services, Current Awareness in Biological Sciences, Current Contents®/Life Sciences, EMBASE/Excerpta Medica, Index Medicus, International Pharmaceutical Abstracts, Medical Documentation Service®, Reference Update®, Research Alert®, Science Citation Index®, SciSearch®, and SICI Data Bases Copyright © 2010 by the American Society for Pharmacology and Experimental Therapeutics. All rights reserved. Printed in the U.S.A.
Contents (cont’d.)

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. Wahlstrom ........................................ 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.