SHORT COMMUNICATION

Cytochrome P450 Expression of Cultured Rat Small Hepatocytes after Long-Term Cryopreservation. HIDEKAZU OOE, JUNKO KON, SHIGEKI MIYAMOTO, YOSHIYASU OZONE, SHIN-ICHI NINOMIYA, AND TOSHIHIRO MITAKA .................... 1667

ARTICLES

CYP2A13 in Human Respiratory Tissues and Lung Cancers: An Immunohistochemical Study with A New Peptide-Specific Antibody. LIANG-RU ZHU, PAUL E. THOMAS, GANGLU WANG, SHOU-LIN WANG, CHUNG S. YANG, XIAO-YANG HE, AND JUN-YAN HONG .............. 1672

Dietary Inulin Alleviates Hepatic Steatosis and Xenobiotics-Induced Liver Injury in Rats Fed a High-Fat and High-Sucrose Diet: Association with the Suppression of Hepatic Cytochrome P450 and Hepatocyte Nuclear Factor 4a Expression. JUNKO SUGATANI, TADASHI WADA, MAKOTO OSABE, KAZUMI YAMAKAWA, KOUICHI YOSHINARI, AND MASAO MIWA ..................... 1677

Amiodarone Analog-Dependent Effects on CYP2C9-Mediated Metabolism and Kinetic Profiles. VIKAS KUMAR, CHUCK W. LOCUSON, YUK Y. SHAM, AND TIMOTHY S. TRACY .................... 1688

In Vivo and in Vitro Metabolism of Arylamine Procarcinogens in Acetyltransferase-Deficient Mice. K. S. SUGAMORI, D. B. RENNEMAN, AND D. M. GRANT .................. 1697

Characterization of the Rhesus Monkey CYP3A64 Enzyme: Species Comparisons of CYP3A Substrate Specificity and Kinetics Using Baculovi-rus-Expressed Recombinant Enzymes. BRIAN CARR, RYAN NORCROSS, YULIN FANG, PING LU, A. DAVID RODRIGUES, MAGANG SHOU, TOM RUSHMORE, AND CATHERINE BOOTH-GENTHE ........... 1703

In Vivo Metabolism and Final Disposition of a Novel Nonsteroidal Androgen in Rats and Dogs. MINOLI A. PERERA, DONGHUA YIN, DI WU, KENNETH K. CHAN, DUANE D. MILLER, AND JAMES DALTON .... 1713


Substrate Specificity of Carboxylesterase Isozymes and Their Contribution to Hydrolase Activity in Human Liver and Small Intestine. TERUKO IMAI, MEIGUMI TAKETANI, MAYUMI SHII, MASAKIYO HOSOKAWA, AND KAN CHIBA ..................... 1734

Use of Immortalized Human Hepatocytes to Predict the Magnitude of Clinical Drug-Drug Interactions Caused by CYP3A4 Induction. SHARON L. RIPP, JESSICA B. MILLS, ODETTE A. FAHMI, KRISTEN A. TREVENA, JENNIFER L. LIRAS, TRISTAN S. MAURER, AND SONIA M. DE MORAIS ................. 1742


Differential Regulation of Sinusoidal and Canalicular Hepatic Drug Transporter Expression by Xeno-
Contents (cont’d.)

Biotics Activating Drug-Sensing Receptors in Primary Human Hepatocytes. Émilie Jigorel, Marc Le Vee, Claire Boursier-Neyret, Yannick Parmentier, and Olivier Fardeel .......................... 1756

Species Differences in the in Vitro Metabolism of Deltamethrin and Esfenvalerate: Differential Oxidative and Hydrolytic Metabolism by Humans and Rats. Stephen J. Godin, Edward J. Scollon, Michael F. Hughes, Philip M. Potter, Michael J. DeVito, and Matthew K. Ross .................. 1764

Induction of Rat UDP-Glucuronosyltransferases in Liver and Duodenum by Microsomal Enzyme Inducers ThatActivate Various Transcriptional Pathways. M. K. Shelby and C. D. Klaassen ... 1772

Metabolism of Endosulfan-α by Human Liver Microsomes and Its Utility as a Simultaneous in Vitro Probe for CYP2B6 and CYP3A4. Richard C. T. Casabar, Andrew D. Wallace, Ernest Hodgson, and Randy L. Rose .................. 1779

Methylated Flavonoids Have Greatly Improved Intestinal Absorption and Metabolic Stability. Xia Wen and Thomas Walle .................. 1786

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

About the cover: Immunohistochemical analysis of CYP2A13 protein in human tissues (original magnification, 200×). See the article by Zhu et al. on page 1672 of this issue.