SPECIAL SECTION ON MECHANISTIC AND TRANSLATIONAL RESEARCH ON TRANSPORTERS IN TOXICOLOGY

*Special Section on Mechanistic and Translational Research on Transporters in Toxicology—Editorial.*

Yurong Lai and Xiao-bo Zhong .......................... 1361

Regulation of Placental Efflux Transporters during Pregnancy Complications. Danielle Kozlosky, Emily Barrett, and Lauren M. Aleksunes ............. 1364

Role and Regulation of Hepatobiliary ATP-Binding Cassette Transporters during Chemical-Induced Liver Injury. Carolina I. Ghanem and Jose E. Manautou ........................................ 1376

Attenuated Ochratoxin A Transporter Expression in a Mouse Model of Nonalcoholic Steatohepatitis Protects against Proximal Convoluted Tubule Toxicity. Joseph L. Jilek, Kayla L. Frost, Solene Marie, Cassandra M. Myers, Michael Goedken, Stephen H. Wright, and Nathan J. Cherrington ............................................. 1389

Perfluorinated Carboxylic Acids with Increasing Carbon Chain Lengths Upreregulate Amino Acid Transporters and Modulate Compensatory Response of Xenobiotic Transporters in HepaRG Cells. Joe Jongpyo Lim, Youjun Suh, Elaine M. Faustman, and Julia Yue Cui .............................. 1396

S Effect of Chronic Cadmium Exposure on Brain and Liver Transporters and Drug-Metabolizing Enzymes in Male and Female Mice Genetically Predisposed to Alzheimer’s Disease. Hao Wang, Liang Zhang, Zhengui Xia, and Julia Yue Cui ....... 1414

**COMMENTARY**

Physiologically Based Pharmacokinetic Modeling To Predict Drug-Biologic Interactions with Cytokine Modulators: Are These Relevant and Is Interleukin-6 Enough? Kuan-Fu Chen, Hannah M. Jones, and Katherine L. Gill ................. 1322

**ARTICLES**

S Inhibition of Cytochrome P450 2J2-Mediated Metabolism of Rivaroxaban and Arachidonic Acid by Ibrutinib and Osimertinib. Ziteng Wang and Eric Chun Yong Chan .................. 1332

S Isolation and Identification of 3,4-Seco-Solanidine-3,4-dioic Acid as a Urinary Biomarker of CYP2D6 Activity. Andrew C Behrle, Justin Douglas, J. Steven Leeder, and Leon van Haandel .......... 1342

S Mesenchymal Stem Cell Fates in Murine Acute Liver Injury and Chronic Liver Fibrosis Induced by Carbon Tetrachloride. Chenhui Ma, Li Han, Jiajun Wu, Feng Tang, Qiangqiang Deng, Ting He, Zhitao Wu, Chen Ma, Wei Huang, Ruimin Huang, and Guoyu Pan .... 1352

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

About the cover: Human Placenta Structure and Invasion of the Uterus. See the article by Kozlosky et al. (dx.doi.org/10.1124/dmd.121.000449).