## CONTENTS

### MINIREVIEW

- **Role of Extracellular Vesicle-Derived Biomarkers in Drug Metabolism and Disposition.** Zivile Useckaite, A. David Rodrigues, Ashley M. Hopkins, Lauren A. Newman, Jillian Johnson, Michael J. Sorich, and Andrew Rowland. 
  - Page: 961

### ARTICLES

- **Identification of Food-Derived Isoflavone Sulfates as Inhibition Markers for Intestinal Breast Cancer Resistance Proteins.** Rina Agustina, Yusuke Masuo, Yasuto Kido, Kyosuke Shinoda, Takahiro Ishimoto, and Yukio Kato. 
  - Page: 972

- **The Interleukin-6/Signal Transducer and Activator of Transcription-3/Cystathionine γ-Lyase Axis Deciphers the Transformation Between the Sensitive and Resistant Phenotypes of Breast Cancer Cells.** Zhaoyi Tan, Chun Ge, Dong Feng, Chen Xu, Bei Cao, Yuan Xie, Yonghao Zhou, Guangji Wang, and Jiye Aa. 
  - Page: 985

- **Reaction Phenotyping of Low-Turnover Compounds in Long-Term Hepatocyte Cultures Through Persistent Selective Inhibition of Cytochromes P450.** Sheri Smith, Michael Lyman, Bennett Ma, Donald Tweedie, and Karsten Menzel. 
  - Page: 995

- **Predicting Maternal-Fetal Disposition of Fentanyl Following Intravenous and Epidural Administration Using Physiologically Based Pharmacokinetic Modeling.** Sara Shum, Danny D. Shen, and Nina Isoherranen. 
  - Page: 1003

- **Identification of Human UDP-Glucuronosyltransferase and Sulfotransferase as Responsible for the Metabolism of Dotinurad, a Novel Selective Urate Reabsorption Inhibitor.** Koichi Omura, Keisuke Motoki, Seiichi Kobashi, Kengo Miyata, Katsushiro Yamano, and Takashi Iwanaga. 
  - Page: 1016

- **Elucidation of Metabolic and Disposition Pathways for Maribavir in Nonhuman Primates through Mass Balance and Semi-Physiologically Based Modeling Approaches.** Kefeng Sun and Devin Welty. 
  - Page: 1025

---

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

*About the cover:* Overview of extracellular vesicle cargo relevant to general characterization and DMD analysis. See the article by Useckaite et al (dx.doi.org/10.1124/dmd.121.000411).