CONTENTS

SPECIAL SECTION ON PERSPECTIVE ON DRUG METABOLISM AND DISPOSITION, PART I

50TH ANNIVERSARY CELEBRATION COLLECTION

Special Section on Perspectives on Drug Metabolism and Disposition, Part I—Editorial. Yurong Lai and Xinxin Ding .................. 645


Fifty Years of Aryl Hydrocarbon Receptor Research as Reflected in the Pages of Drug Metabolism and Disposition. David S. Riddick ................. 657

Epigenetic Mechanisms Contribute to Intraindividual Variations of Drug Metabolism Mediated by Cytochrome P450 Enzymes. Jing Jin and Xiao-bo Zhong .................. 672

Recombinant Technologies Facilitate Drug Metabolism, Pharmacokinetics, and General Biomedical Research. Joseph M. Cronin and Ai-Ming Yu .......... 685

Impact of Intracellular Lipid Binding Proteins on Endogenous and Xenobiotic Ligand Metabolism and Disposition. King Clyde B. Yabut and Nina Isoherranen .................. 700

MINIREVIEW

50TH ANNIVERSARY CELEBRATION COLLECTION

Combined Oral Contraceptives As Victims of Drug Interactions. Li Li, Xinning Yang, Doanh Tran, Shirley K. Seo, and Yanhui Lu .................. 718

ARTICLES

Characterization of Enzymes Involved in Nintedanib Metabolism in Humans. Shimon Nakashima, Rei Sato, Tesuchi Fukami, Takashi Kudo, Shiori Hashiba, Gaku Morinaga, Masataka Nakano, Eva Ludwig-Schwellinger, Akiko Matsui, Naoki Ishiguro, Thomas Ebner, and Miki Nakajima ............ 733

A Physiologically-Based Pharmacokinetic Model for Cannabidiol in Healthy Adults, Hepatically-Impaired Adults, and Children. Sumit Bansal, Mayur K. Ladumor, Mary F. Paine, and Jashvant D. Unadkat ................. 743


Mechanistic Study of Icaritin-Induced Inactivation of Cytochrome P450 2C9. Xiang Chen, Luyao Han, YuLin Zhao, Haoyan Huang, He Pan, Chenmeng Zhang, Huali Chen, Shanliang Sun, Sihui Yao, Xijing Chen, and Yongjie Zhang ............ 771

Mechanistic Investigation of the Time-Dependent Aldehyde Oxidase Inhibitor Hydralazine. J. Paige Barns, Shaoyun M. Yang, Taylor S. Thompson, Caitlynne M. Guevarra, Shaniya S. Pleasant, Tri Q. Do, and Rachel D. Crouch .................. 782

About the cover: “Binding characteristics of xenobiotic ligands of FABPs.” See the article by Yabut and Isoherranen (dx.doi.org/10.1124/dmd.122.001010).