CONTENTS

RONALD E. TYNES AND RICHARD M. PHILPOT. Tissue- and Species-Dependent Expression of Multiple Forms of Mammalian Microsomal Flavin-Containing Monooxygenase ........................................... 569

AMY L. BULLER, MARGIE L. CLAPPER, AND KENNETH D. TEW. Glutathione S-Transferases in Nitrogen Mustard-Resistant and -Sensitive Cell Lines ................................................................. 575

MASAKIYO HOSOKAWA, TAKAKO MAKI, AND TETSUO SATOH. Multiplicity and Regulation of Hepatic Microsomal Carboxylesterase in Rats .............................................................. 579

MICHAEL W. H. COUGHTRE, BRIAN BURCHELL, ISOBEL M. SHEPHERD, AND JOHN R. BEND. Defective Induction of Phenol Glucuronidation by 3-Methylcholanthrene in Gunn Rats Is Due to the Absence of a Specific UDP-Glucuronosyltransferase Isoenzyme ............................................... 585

EMANUEL MELLER, KAREN BOHMAKER, YOICHIRO NAMBA, ARNOLD J. FRIEDHOFF, AND MENEK GOLDSTEIN. Relationship Between Receptor Occupancy and Response at Striatal Dopamine Autoreceptors .............................................................. 592

HENRY I. MOSBERG, JOHN R. OMNAAS, AND AVRAM GOLDSTEIN. Structural Requirements for δ Opioid Receptor Binding .............................................................. 599

AVRAM GOLDSTEIN AND RONALD W. BARRETT. Ligand Dissociation Constants from Competition Binding Assays: Errors Associated with Ligand Depletion ...................................................... 603

HARVEY ALAN BERMAN, MILDRED M. DECKER, MARK W. NOWAK, KATHRYN J. LEONARD, MARLENE McCAULEY, WM. MARK BAKER, AND PALMER TAYLOR. Site Selectivity of Fluorescent Bisquaternary Phenanthridinium Ligands for Acetylcholinesterase ...................................................... 610

NOHAD GRESH. Theoretical Studies of the Binding of Trifluoperazine Derivatives to Site (82-93) of Calmodulin: Effect of Lengthenings of the Methylene Linker Chain on the Binding Affinity ...................................................... 617


TARUN B. PATEL, HANI M. RASHED, JOHN DYSON, AND FELICIA M. WALLER. Stimulation of Biliary Glutathione Secretion by Sulfonylureas ...................................................... 638

ANGELO A. VLESSIS AND LEENA MELA-RIKER. Selenite-Induced NAD(P)H Oxidation and Calcium Release in Isolated Mitochondria: Relationship to In Vivo Toxicity ...................................................... 643

D. J. PORUBEK, M. RUNDGREN, P. J. HARVISON, S. D. NELSON, AND P. MOLDEUS. Investigation of Mechanisms of Acetaminophen Toxicity in Isolated Rat Hepatocytes with the Acetaminophen Analogues 3,5-Dimethylacetaminophen and 2,6-Dimethylacetaminophen ...................................................... 647

AUTHOR INDEX FOR VOLUME 31 ............................................................................... 654

SUBJECT INDEX FOR VOLUME 31 ........................................................................... 659