CONTENTS

STUART E. LEFF, MARK W. HAMBLIN, AND IAN CREESE. Interactions of Dopamine Agonists with Brain D1 Receptors Labeled by 3H-Antagonists: Evidence for the Presence of High and Low Affinity Agonist-Binding States .............................................. 171

STUART E. LEFF AND IAN CREESE. Interactions of Dopaminergic Agonists and Antagonists with Dopaminergic D3 Binding Sites in Rat Striatum: Evidence that [3H]Dopamine Can Label a High Affinity Agonist-Binding State of the D1 Dopamine Receptor ........... 184

H. B. NIZNIK, J. H. GUAN, J. L. NEUMEYER, AND P. SEEMAN. A Photoaffinity Ligand for Dopamine D1 Receptors: Azidoclebopride ......................................................... 193

KURT R. SCHWARZ, STEPHEN M. LANIER, EDWARD A. CARTER, CHARLES J. HOMCY, AND ROBERT M. GRAHAM. Rapid Reciprocal Changes in Adrenergic Receptors in Intact Isolated Hepatocytes during Primary Cell Culture ........................................... 200

GOZOH TSUJIMOTO AND BRIAN B. HOFFMAN. Desensitization of β-Adrenergic Receptor-Mediated Smooth Muscle Relaxation ................................................................. 210

SUMIO SHIMA, NOBU AKAMATSU, MASANAO HIRAI, AND HIROSHI KOUYAMA. Age-Related Alterations in the Catecholamine-Sensitive Adenylate Cyclase System of the Prostate ..................................................... 218

M. MCKINNEY, S. STENSTROM, AND E. RICHELSON. Muscarinic Responses and Binding in a Murine Neuroblastoma Clone (N1E-115): Mediation of Separate Responses by High Affinity and Low Affinity Agonist-Receptor Conformations ....... 223

G. KURT HOGABOOM, SEYMOUR MONG, JEFFREY M. STADEL, AND STANLEY T. CROOKE. Characterization of Guinea Pig Myocardial Leukotriene C4 Binding Sites: Regulation by Cations and Sulphydryl-Directed Reagents .......... 236

C. E. SPIVAK AND E. X. ALBUQUERQUE. Triphenylmethylphosphonium Blocks the Nicotinic Acetylcholine Receptor Noncompetitively ............................................. 246

JANET D. MAGRUDER, MADELINE WAID-JONES, AND RONALD C. RETZ. Ethanol-Induced Alterations in Rat Synaptosomal Plasma Membrane Phospholipids: Relationship to Changes in the Phospholipid Methyltransferases ................ 256

FREDERIK GRØNHOJ LARSEN, CHRISTIAN GRØNHOJ LARSEN, PREBEN JAKOBSEN, AND ROLF BRODERSEN. Interaction of Warfarin with Human Serum Albumin: a Stoichiometric Description ........................................ 263

LORENZ POELLINGER AND DONALD GULLBERG. Characterization of the Hydrophobic Properties of the Receptor for 2,3,7,8-Tetrachlorodibenzo-p-dioxin .................................. 271

DAVID ROSS, ROGER LARSSON, KAJSA NORBECK, RAGNAR RYHAGE, AND PETER MOLDÉUS. Characterization and Mechanism of Formation of Reactive Products Formed during Peroxidase-Catalyzed Oxidation of p-Phenetidine: Trapping of Reactive Species by Reduced Glutathione and Buylated Hydroxyanisole .......... 277

DAVID DANKOVIC, RUTH E. BILLINGS, WILLIAM SEIFERT, AND WANDA G. STILLWELL. Bromobenzene Metabolism in Isolated Rat Hepatocytes: 18O2 Incorporation Studies .............. 287

JUDY L. RAUCY AND ERIC F. JOHNSON. Variations among Untreated Rabbits in Benzo(a)pyrene Metabolism and Its Modulation by 7,8-Benzoflavone .......... 296

C. PAUL SPEARS, JASHOVAM SHANI, ANTRANIK H. SHAHINIAN, WALTER WOLF, CHARLES HEIDELBERGER, AND PETER V. DANENBERG. Assay and Time Course of 5-Fluorouracil Incorporation into RNA of Li210/0 Ascites Cells in Vivo ........................................... 302

MARVIN B. COHEN AND ROBERT I. GLAZER. Cytotoxicity and the Inhibition of Ribosomal RNA Processing in Human Colon Carcinoma Cells ..................... 308

Continued