CONTENTS

ACCELERATED COMMUNICATION

DAVID G. SAWUTZ, STEPHEN M. LANIER, CHRISTOPHER D. WARREN, AND ROBERT M. GRAHAM. Glycosylation of the Mammalian $\alpha_1$-Adrenergic Receptor by Complex Type $N$-Linked Oligosaccharides .......................... 565

ARTICLES

GEOFFREY I. SUNAHARA, KAREN G. NELSON, THOMAS K. WONG, AND GEORGE W. LUCIER. Decreased Human Birth Weights after In Utero Exposure to PCBs and PCDFs Are Associated with Decreased Placental EGF-Stimulated Receptor Autophosphorylation Capacity .............................................. 572

STANLEY A. THAYER, LANE D. HIRNING, AND RICHARD J. MILLER. The Distribution of Multiple Types of Ca$^{2+}$ Channels in Rat Sympathetic Neurons In Vitro .......................................................... 579

C. FRANK BENNETT, SEYMOUR MONG, HSIAO-LING W. WU, MIKE A. CLARK, LARRY WHEELER, AND STANLEY T. CROOKE. Inhibition of Phosphoinositide-Specific Phospholipase C by Manoalide ................................................................. 587

A. BEAUMONT, J.-F. HERNANDEZ, P. CHAILLET, P. CRINE, AND B. P. ROQUES. Irreversible Photolabeling of the Active Site of Neutral Endopeptidase-24.11 "Enkephalinase" by Azidothiorphan and [14C]-Azidothiorphan ........................................... 594

MARY MCGRATH, DULIO CASCIO, ROGER WILLIAMS, DAVID JOHNSON, MARIE GREENE, AND ALEXANDER MCPHERSON. Propidium Binding to a Ribonuclease-DNA Complex: X-Ray and Fluorescence Studies ...................................................... 600

JONATHAN MAYBAUM, ANDREW N. BAINNSON, W. MAURICE ROETHEL, SUDHIR AJMERA, LYNN M. IWANIEC, DANIEL TERBUSH, AND JEFFREY J. KROLL. Effects of Incorporation of 6-Thioguanine into SV 401 DNA .................................................. 606

DAVID J. WAXMAN, DAVID P. LAPENSON, SANG S. PARK, CYNTHIA ATTISANO, AND HARRY V. GELBOIN. Monoclonal Antibodies Inhibitory to Rat Hepatic Cytochromes P-450: P-450 Form Specificities and Use as Probes for Cytochrome P-450-Dependent Steroid Hydroxylations ................................................................. 615

GREGORY A. WEILAND, JULIE A. DURKIN, JEREMY M. HENLEY, AND STEVEN M. SIMASKO. Effects of Substance P on the Binding of Ligands to Nicotinic Acetylcholine Receptors .................................................. 625


H. CRISS HARTZELL AND RODOLPHE FISCHMEISTER. Effect of Forskolin and Acetylcholine on Calcium Current in Single Isolated Cardiac Myocytes ................................................................. 639

HERVÉ PARIS, MOHAMMED TAOUIS, AND JEAN GALITZKY. In Vitro Study of $\alpha_2$-Adrenoceptor Turnover and Metabolism Using the Adenocarcinoma Cell Line HT29 .................................................. 646

ALI NASSERI AND KENNETH P. MINNEMAN. Relationship between $\alpha_2$-Adrenergic Receptor Binding Sites and the Functional Receptors Inhibiting Norepinephrine Release in Rat Cerebral Cortex ................................................................. 655

R. K. RIERER, ALAN GOLDFIEN, AND JAMES M. ROBERTS. Estrogen Increases Adrenergic-But Not Cholinergic-Mediated Production of Inositol Phosphates in Rabbit Uterus ................................................................. 663

L. NORONHA-BLOB, V. C. LOWE, W. J. KINNIER, AND D. C. U'PRICHARD. Heterologous Up-Regulation of $N_7$-Coupled Receptors in Cultured Neural Hybrid Cells by a Transferable Factor, Whose Expression Is Inhibited in a Cyclic AMP-Dependent, Cell-Specific Manner ................................................................. 669

GABRIEL AMITAI, JEFFREY M. HERZ, RACHEL BRUCKSTEIN, AND SHIRA LUZ-CHAPMAN. The Muscarinic Antagonists Aprophen and Benactyzine Are Noncompetitive Inhibitors of the Nicotinic Acetylcholine Receptor .................................................. 678

Continued
CONTENTS (cont'd)

MELVIN REICHMAN, WU NEN, AND LOWELL E. HOKIN. Effects of Δ^2-Tetrahydrocannabinol on Prostaglandin Formation in Brain ........................................ 686

TOHRU GONNO!, YASUSHI OHIZUMI, JUN'ICHI KOBAYASHI, HIDESHI NAKAMURA, AND WILLIAM A. CATTERALL. Actions of Polypeptide Toxin from the Marine Snail Conus striatus on Voltage-Sensitive Sodium Channels ........................................ 691

ROMAN OSMAN, SID TOPIO!, LESTER RUBENSTEIN, AND HAREL WEINSTEIN. A Molecular Model for Activation of a 5-Hydroxytryptamine Receptor ........................................ 699

RICHARD T. OKITA, ROY J. SOBERMAN, J. M. BERGHOLTE, BETTIE SUE S. MASTERS, ROGER HAYES, AND ROBERT C. MURPHY. ω-Hydroxylation of 15-Hydroxyeicosatetraenoic Acid by Lung Microsomes from Pregnant Rabbits ........................................ 706

KARL L. PLATT AND I. REISCHMANN. Regio- and Stereoselective Metabolism of Di-benz[a,h]anthracene: Identification of 12 New Microsomal Metabolites .................. 710