CONTENTS

ACCELERATED COMMUNICATIONS

FONG-SEN WU, TERRILL T. GIBBS, AND DAVID H. FARB. Inverse Modulation of \( \gamma \)-Aminobutyric Acid- and Glycine-Induced Currents by Progesterone .......................... 597

DANIEL C. JAVITT, MARK J. FRUSCIANTE, AND STEPHEN R. ZUKIN. Rat Brain N-Methyl-d-aspartate Receptors Require Multiple Molecules of Agonist for Activation .......................... 603

ARTICLES

SATISH DOGRA, JOHANNES DOEHMER, HANSRUEDI GLATT, HORST MÖLDERS, PETER SIEGERT, THOMAS FRIEDBERG, ALBRECHT SEIDEL, AND FRANZ OESCH. Stable Expression of Rat Cytochrome P-450IA1 cDNA in V79 Chinese Hamster Cells and Their Use in Mutagenicity Testing ............................................................... 608

HAI-TAO HE, STEPHANIE RENS-DOMIANO, JEAN-MICHEL MARTIN, SUSAN F. LAW, STEVEN BORISLOW, MARILYN WOOLKALIS, DAVID MANNING, AND TERRY REISINE. Solubilization of Active Somatostatin Receptors from Rat Brain ......................................................... 614

KATHRYN J. IVINS AND PERRY B. MOLINOFF. Serotonin-2 Receptors Coupled to Phosphoinositide Hydrolysis in a Clonal Cell Line ................................................................. 622

CHRISTOPHER REITHMANN, PETER GIERSCHIK, URSULA MÜLLER, KARL WERDAN, AND KARL H. JAKOBS. Pseudomonas Exotoxin A Prevents \( \beta \)-Adrenoceptor-Induced Up-regulation of G, Protein \( \alpha \)-Subunits and Adenylyl Cyclase Desensitization in Rat Heart Muscle Cells ................................................. 631

WILLIAM E. EVANS AND MARY V. RELLING. XbaI 16- plus 9-Kilobase DNA Restriction Fragments Identify a Mutant Allele for Debrisoquin Hydroxylase: Report of a Family Study ......................................................... 639

ALLAN E. RETTIE, BRIAN D. BOGUCKI, INA LIM, AND G. PATRICK MEIER. Stereoselective Sulfoxidation of a Series of Alkyl \( p \)-Tolyl Sulfoxides by Microsomal and Purified Flavin-Containing Monoxygenases .............................................................................................................. 643

KENNON M. GARRETT, NAOKI SAITO, RONALD S. DUMAN, MARC S. ABEL, ROBERT A. ASHTON, SONIA FUJIMORI, BERNARD BEER, JOHN F. TALLMAN, MICHAEL P. VITEK, AND ARTHUR J. BLUME. Differential Expression of \( \gamma \)-Aminobutyric Acid, Receptor Subunits ................................................................. 652

ERIK DE CLERCQ, RIA BERNERTS, ALES MERTA, AND BRIGITTE ROSENWIRTH. Mechanism of Action of 5-(2-Chloroethyl)-2'-Deoxyuridine, a Selective Inhibitor of Herpes Simplex Virus Replication ................................................................. 658

ARNOLD FRIDLAND, MICHELE C. CONNELLY, AND RICHARD ASHMUN. Relationship of Deoxynucleotide Changes to Inhibition of DNA Synthesis Induced by the Anti-retroviral Agent 3'-Azido-3'-deoxythymidine and Release of its Monophosphate by Human Lymphoid Cells (CCRF-CEM) ......................................................................................... 665

D. H. MAURICE AND R. J. HASLAM. Molecular Basis of the Synergistic Inhibition of Platelet Function by Nitrovasodilators and Activators of Adenylate Cyclase: Inhibition of Cyclic AMP Breakdown by Cyclic GMP ......................................................................................... 671

EL BDAOUI HADDAD, YVES LANDRY, AND JEAN PIERRE GIES. Sialic Acid Residues as Catalysts for \( \mu \)-Muscarnic Agonist-Receptor Interactions .......................... 682

FERDINANDO NICOLETTI, VALERIA BRUNO, SEBASTIANO CAVALLARO, AGATA COPANI, MARIA ANGELA SORINO, AND PIER LUIGI CANONICO. Specific Binding Sites for Inositolhexakisphosphate in Brain and Anterior Pituitary .......... 689

Continued