CONTENTS

ACCELERATED COMMUNICATION

ULRICH G. KLUPELBERG, XAVIER MOLERO, RONALD W. BARRETT, AND LAURENCE J. MILLER. Biochemical Characterization of the Cholecystokinin Receptor on CHP212 Human Neuroblastoma Cells ........................................... 159

ARTICLES

CHRISTINA G. BENISHIN. Potassium Channel Blockade by the B Subunit of \(\beta\)-Bungarotoxin .......................................................... 164

RAVI MUNSHI AND JOEL LINDEN. Interaction of Purified Bovine Brain \(\alpha_2\)-Adenosine Receptors with Guanine Nucleotide-Binding Proteins of Human Platelet Membranes following Reconstitution .................................................... 170

WILLIAM W. BARRINGTON, KENNETH A. JACOBSON, AND GARY L. STILES. Glycoprotein Nature of the \(\alpha_2\)-Adenosine Receptor Binding Subunit ........................................... 177

YOSHIHISA KITAMURA, SHIN-ICHI IMAI, REI MATSUEDA, AND YASUYUKI NOMURA. Effects of Sulfhydryl-Modifying Reagents, 3-Nitro-2-pyridinesulfenyl Compounds, on the Coupling between Inhibitory Receptors and GTP-Binding Proteins \(G_\gamma/G_\delta\) in Rat Brain Membranes ........................................................................ 184

STEFAN WESTIN, ANDERS STRÖM, JAN-ÅKE GUSTAFSSON, AND PETER G. ZAPHIROPoulos. Growth Hormone Regulation of the Cytochrome P-450IIC Subfamily in the Rat: Inductive, Repressive, and Transcriptional Effects on P-450f (IIC7) and P-450f8 (IIC6) Gene Expression .......................................................... 192

FRANK J. RAUSCHER III, TERRY A. BEERMAN, AND RAYMOND M. BAKER. Characterization of Auromycin-Resistant Hamster Cell Mutants that Display a Multidrug Resistance Phenotype .................................................................. 198

STEVEN A. WRIGHTON, WILLIAM R. BRIAN, MARIE-AGNES SARI, MASAHIKO IWASAKI, PETER GUENGERICH, JUDY L. RAUCY, DAVID T. MOLOWA, AND MARK VAN DENBRAN- DEN. Studies on the Expression and Metabolic Capabilities of Human Liver Cytochrome P450IIIa5 (HLp3) ............................................................................................................ 207

MARK A. GERHARDT, SUSAN M. WADE, AND RICHARD R. NEUBIG. \(p\)-[\(^{125}\)I]Iodoclonidine Is a Partial Agonist at the \(\alpha_2\)-Adrenergic Receptor .......................................................... 214

DARRYLE D. SCHOEFF, BRYAN G. JOHNSON, EDWARD C. R. SMITH, AND LORETTA A. MCQUAID. Stereoselectivity and Mode of Inhibition of Phosphoinositide-Coupled Excitatory Amino Acid Receptors by 2-Amino-3-phosphonopropionic Acid .......................................................... 222

SAMUEL WEISS, DOROTHY E. KEMP, LORENZO BAUCE, AND FREDERICK W. Y. TSE. Kainate Receptors Coupled to the Evoked Release of \([^{3}\text{H}]-\gamma\)-Aminobutyric Acid from Striatal Neurons in Primary Culture: Potentiation by Lithium Ions .................................................................................................................. 229

YVONNE TORNEVIK AND STAFFAN ERIKSSON. 2',3'-Dideoxycytidine Toxicity in Cultured Human CEM T Lymphoblasts: Effects of Combination with 3'-Azido-3'-deoxythymidine and Thymidine .................................................... 237

THÉRÈSE J. RESINK, TIMOTHY SCOTT-BURDEN, CHANTAL BOULANGER, ERIKA WEBER, AND FRITZ R. BÜHLER. Internalization of Endothelin by Cultured Human Vascular Smooth Muscle Cells: Characterization and Physiological Significance .............................................. 244

Continued
CONTENTS (cont'd)


JAMES S. WOODS, CAROLYN A. CALAS, AND LAURI D. AICHER. Stimulation of Porphyrinogen Oxidation by Mercuric Ion. II. Promotion of Oxidation from the Interaction of Mercuric Ion, Glutathione, and Mitochondria-Generated Hydrogen Peroxide ........................................... 261

MAGALI WAEILBROECK, MICHELE TASTENOY, JEAN CAMUS, AND JEAN CHRISTOPHE. Binding of Selective Antagonists to Four Muscarinic Receptors (M₁ to M₄) in Rat Forebrain ......................................................................................................................... 267

KAREN M. WILSON AND KENNETH P. MINNEMAN. Pertussis Toxin Inhibits Nor- epinephrine-Stimulated Inositol Phosphate Formation in Primary Brain Cell Cultures ........................................... 274

MICHAEL D. CAMPBELL, SWAMINATHAN SUBRAMANIAM, MICHAEL I. KOTLIKOFF, JOHN R. WILLIAMSON, AND STEVEN J. FLUHARTY. Cyclic AMP Inhibits Inositol Polyphosphate Production and Calcium Mobilization in Neuroblastoma X Glioma NG108-15 Cells ......................................................................................................................... 282

IMPORTANT ANNOUNCEMENT

On October 1, 1990, Dr. T. Kendall Harden will become the new Editor-in-Chief of Molecular Pharmacology, and the editorial office will move to Chapel Hill, North Carolina. After October 1, 1990, all new manuscripts should be submitted to him at the address below:

T. Kendall Harden
Molecular Pharmacology
CB 7368, Department of Pharmacology
University of North Carolina School of Medicine
Chapel Hill, NC 27599

The Seattle office will handle the entire review of manuscripts submitted before October 1, 1990, including consideration of revisions submitted subsequently.

Copyright © 1990 by The American Society for Pharmacology and Experimental Therapeutics
All Rights Reserved

No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording, or any information storage and retrieval system, without permission in writing from the copyright owner.

The appearance of the code at the bottom of the first page of an article in this journal indicates the copyright owner's consent that copies of this article may be made for personal or internal use, or for the personal or internal use of specific clients. This consent is given on the condition, however, that the copier pay the stated per copy fee through the Copyright Clearance Center, Inc., (21 Congress Street, Salem, Massachusetts 01970), for copying beyond that permitted by Sections 107 or 108 of the U.S. Copyright Law. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale. Copy fees for pre-1986 articles are the same as those shown for current articles.