CONTENTS

ACCELERATED COMMUNICATION

MEINA LIANG, MICHAEL W. MARTIN, AND T. KENDALL HARDEN. [3H]Propylbenzilylcholine Mustard-Labeling of Muscarinic Cholinergic Receptors that Selectively Couple to Phospholipase C or Adenylate Cyclase in Two Cultured Cell Lines	443
ARTICLES	
MARK R. BRANN, NOEL J. BUCKLEY, S. V. PENELOPE JONES, AND TOM T. BONNER. Expression of a Cloned Muscarinic Receptor in A9 L Cells	450
BARBARA A. COLEMAN, LEE MICHEL, AND ROBERT OSWALD. Interaction of a Benzomorphan Opiate with Acetylcholinesterase and the Nicotinic Acetylcholine Receptor	456
PABLO STEINBERG, W. MARK LAFRANCONI, C. ROLAND WOLF, DAVID J. WAXMAN, FRANZ OESCH, AND THOMAS FRIEDBERG. Xenobiotic Metabolizing Enzymes Are Not Restricted to Parenchymal Cells in Rat Liver	463
ALAN POLAND, EDWARD GLOVER, AND BENJAMIN A. TAYLOR. The Murine Ah Locus: A New Allele and Mapping to Chromosome 12	471
FABIAN GUSOVSKY, ELIZABETH T. McNeal, and John W. Daly. Stimulation of Phosphoinositide Breakdown in Brain Synaptoneurosomes by Agents that Activate Sodium Influx: Antagonism by Tetrodotoxin, Saxitoxin, and Cadmium	479
TERRY REISINE AND SIMON GUILD. Activators of Protein Kinase C and Cyclic AMP-Dependent Protein Kinase Regulate Intracellular Calcium Levels Through Distinct Mechanisms in Mouse Anterior Pituitary Tumor Cells	488
BERNHARD BRÜNE AND VOLKER ULLRICH. Inhibition of Platelet Aggregation by Carbon Monoxide is Mediated by Activation of Guanylate Cyclase	497
CHIDE HAN, PETER W. ABEL, AND KENNETH P. MINNEMAN. Heterogeneity of α_1 -Adrenergic Receptors Revealed by Chlorethylclonidine	505 -
ADRIENNE L. TAKACS AND MARY VORE. Binding of ${}^{3}H$ -Estradiol- 17β -(β -D-glucuronide), a Cholestatic Organic Anion, to Rat Liver Plasma Membranes. Evidence Consonant with Identification of Organic Anion Carriers	511
KIM L. R. BROUWER, SHERRIE DURHAM, AND MARY VORE. Multiple Carriers for Uptake of [³ H]-Estradiol 17β-(β-D-glucuronide) in Isolated Rat Hepatocytes	519
IVAN VOTRUBA, RIA BERNAERTS, TAKASHI SAKUMA, ERIK DE CLERCQ, ALEŠ MERTA, IVAN ROSENBERG, AND ANTONÍN HOLÝ. Intracellular Phosphorylation of the Broad Spectrum Anti-DNA Virus Agent (S)-9-(3-Hydroxy-2-phosphonylmethoxypropyl)adenine and Inhibition of Viral DNA Synthesis	524
ATSUSHI HONDA, YO MORI, KAZUO IGUCHI, AND YASUJI YAMADA. Antiproliferative and Cell Cycle Effects of Newly Discovered Halogenated Coral-Prostanoids from the Japanese Stolinifer Clavularia viridis on Human Myeloid Leukemia Cells in Culture	530
YASUSHI YAMAZOE, SHUNICHI MANABE, NORIE MURAYAMA, AND RYUICHI KATO. Regulation of Hepatic Sulfotransferase Catalyzing the Activation of N-Hydroxyarylamide and N-Hydroxyarylamine by Growth Hormone	536
Anthony P. DeCaprio, Stephen J. Jackowski, and Kathleen A. Regan. Mechanism of Formation and Quantitation of Imines, Pyrroles, and Stable, Nonpyrrole Adducts in 2,5-Hexanedione-Treated Protein	542

Continued

MOLECULAR PHARMACOLOGY (ISSN 0026-895x) is published monthly by The American Society for Pharmacology and Experimental Therapeutics, 428 East Preston Street, Baltimore, MD 21202. Price per year: USA individual rate \$75.00; all other countries, surface mail \$90.00. USA institutional rate \$165.00; all other countries, surface mail \$180.00. (Prices subject to change). All subscription orders should be addressed to Molecular Pharmacology, 428 East Preston Street, Baltimore, MD 21202.

Second Class Postage paid at Baltimore, MD, and at additional mailing offices. POSTMASTER: send address changes to MOLECULAR PHARMACOLOGY, 428 East Preston Street, Baltimore, MD 21202.

Copyright © 1987 by The American Society for Pharmacology and Experimental Therapeutics.

CONTENTS (cont'd)

LAWRENCE H. LASH AND M. V. ANDERS. Mechanism of S-(1,2-Dichlorovinyl)-L-Cysteine- and S-(1,2-Dichlorovinyl)-L-Homocysteine-Induced Renal Mitochondrial Toxicity	
F. J. LUQUE, F. ILLAS, AND R. POUPLANA. On the Mechanism of Histamine H2 Receptor Activation	
Erratum	564

Copyright © 1987 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.