CONTENTS

RICHARD R. ALMON AND JOHN E. MARTNER. Muscarinic Sites in the Amphibian Central Nervous System: Characterization and Temperature Studies .......................... 141

RONALD J. LUKAS AND EDWARD L. BENNETT. Interaction of Nicotinic Receptor Affinity Reagents with Central Nervous System α-Bungarotoxin-Binding Entities 149

MICHAEL P. DONOVAN, LONNIE G. SCHEIN AND JOHN A. THOMAS. Inhibition of Androgen-Receptor Interaction in Mouse Prostate Gland Cytosol by Divalent Metal Ions 156

GEORGES VAUQUELIN, SERGE BOTTARI AND A. DONNY STROSBERG. Inactivation of β-Adrenergic Receptors by N-Ethylmaleimide: Permissive Role of β-Adrenergic Agents in Relation to Adenylate Cyclase Activation 163

AMIRA T. ELDEFRAWI, NABIL M. BAKRY, MOHYEE E. ELDEFRAWI, MING-CHENG TSAI AND EDSON X. ALBUQUERQUE. Nereistoxin Interaction with the Acetylcholine Receptor-Ionic Channel Complex ............... 172

OTTO-ERICH BRODDE, HANS-JOACHIM SCHÜMANN AND JOACHIM WAGNER. Decreased Responsiveness of the Adenylate Cyclase System on Left Atria from Hypothyroid Rats .................. 180

SYLVIE GLASSON, ROLAND ZINI, PHILIPPE D’ATHIS, JEAN PAUL TILLEMENT AND JACQUES R. BOISSIER. The Distribution of Bound Propranolol between the Different Human Serum Proteins ............................................. 187

ROSA H. HUANG. Lipid–Protein Interaction in the Multiple Forms of Monoamine Oxidase. Enzymatic and ESR Studies with Purified Intact Rat Brain Mitochondria 192

MARIA R. CASTRO COSTA AND XANDRA O. BREAKEFIELD. Electrophoretic Analysis of 3H-Pargyline-Labeled Monoamine Oxidases A and B from Human and Rat Cells ............. 199

C. W. DAVIS AND J. W. DALY. Activation of Rat Cerebral Cortical 3',5'-Cyclic Nucleotide Phosphodiesterase Activity by Gangliosides .................. 206

MICHAEL J. WILSON, ALAN T. DAVIS AND KHALIL AHMED. Effects of Antiandrogens (Cyproterone Acetate and Flutamide) on the Activity of Nuclear Protein Phosphokinases and Phosphatases of Rat Ventral Prostate 212

GEORGE E. SCHWAB, RICHARD L. NORMAN, URSULA MULLER-EBERHARD AND ERIC F. JOHNSON. Identification of the Form of Cytochrome P-450 Induced in Neonatal Rabbit Liver Microsomes by Phenobarbital 218

C. J. OMIECINSKI, M. J. NAMKUNG AND M. R. JUCHAU. Mechanistic Aspects of the Hematin-Mediated Increases in Brain Monoxygenase Activities .......... 225

GERALD M. ROSEN AND ELMER J. RAUCKMAN. Spin Trapping of the Primary Radical Involved in the Activation of the Carcinogen N-Hydroxy-2-acetylaminofluorene by Cumene Hydroperoxide–Hematin .................. 233

EDWARD PEREZ-REYES, B. KALYANARAMAN AND RONALD P. MASON. The Reductive Metabolism of Metronidazole and Ronidazole by Aerobic Liver Microsomes 239

ROBERT I. GLAZER AND KATHLEEN D. HARTMAN. The Effect of 5-Fluorouracil on the Synthesis and Methylation of Low Molecular Weight Nuclear RNA in L1210 Cells ........... 245

ROBERT I. GLAZER AND KATHLEEN D. HARTMAN. The Comparative Effects of 5-Azacytidine and Dihydro-5-azacytidine on 4 S and 5 S Nuclear RNA 250

GERALD B. GRINDEY, MARJORIE WINKLER, MAUREEN OTTEN AND JAY A. STEINBERG. Inhibition of Calf Thymus DNA Polymerase-α by Deoxyribonucleoside Triphosphates ................. 256

(continued)
CONTENTS (cont'd)

ERNEST A. ALBANESE AND GEORGE P. STUDZINSKI. Metabolism of Puromycin Aminonucleoside in Transformed Human Lung Fibroblasts and the Mechanism of Its Inhibition of RNA Synthesis ........................................................................................................... 262

P. ROBBERECHT, M. DESCHOOT-LANCKMAN, M.-C. WOUSSEN-COLLE, P. DE NEEF, J. C. CAMUS AND J. CHRISTOPHE. Butyryl Derivatives of Cyclic GMP Interfere with the Biological and the Immunological Properties of the Pancreozymin–Gastrin Family of Peptides .......................................................................................................................... 268

ARCHIE A. MACKINNEY, RAMLAL VYAS, CAROLYN MUELLER AND CHERNA GORDER. A Comparison of Potency of Hydantoins in Metaphase Arrest and Inhibition of Microtubular Polymerization ......................................................................................... 275

SHORT COMMUNICATION

ROBERT I. GLAZER AND MICHEL LEGRAVEREND. The Effect of 5-Fluorouridine 5'-Triphosphate on RNA Transcribed in Isolated Nuclei in Vitro ........................................................................................................................................ 279

ERRATUM ......................................................................................................................... 283

Copyright © 1980 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 the 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. (Operations Staff, P.O. Box 765, Schenectady, New York 12301), 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-1980 articles are the same as those shown for current articles.