CONTENTS

SHORT COMMUNICATION

ROBERT M. LEVIN, RICHARD JACOBY, AND ALAN J. WEIN. High-Affinity, Divalent Ion-Specific Binding of 3H-ATP to Homogenate Derived from Rabbit Urinary Bladder: Comparison with Divalent-Ion ATPase Activity ........................................... 1

R. DALE BROWN AND PALMER TAYLOR. The Influence of Antibiotics on Agonist Occupation and Functional States of the Nicotinic Acetylcholine Receptor ................................................................. 8

BJÖRN RINGDAHL AND DONALD J. JENDEN. Affinity, Efficacy, and Stereoselectivity of Oxtremorine Analogues for Muscarinic Receptors in the Isolated Guinea Pig Ileum .......................... 17

P. Y. LAW, D. S. HOM, AND H. H. LOH. Opiate Regulation of Adenosine 3':5'-Cyclic Monophosphate Level in Neuroblastoma x Glioma NG108-15 Hybrid Cells: Relationship between Receptor Occupancy and Effect .................................................. 26

BRIAN M. COX AND CHARLES CHAVKIN. Comparison of Dynorphin-Selective Kappa Receptors in Mouse Vas Deferens and Guinea Pig Ileum: Spare Receptor Fraction as a Determinant of Potency ........................................... 36

MARI H. PERRIN, YAIRA HAAS, JEAN E. RIVIER, AND WYLIE W. VALE. Gonadotropin-Releasing Hormone Binding to Rat Anterior Pituitary Membrane Homogenates: Comparison of Antagonists and Agonists Using Radiolabeled Antagonist and Agonist .......... 44

TROIE P. BURCH, RAJEE THYAGARAJAN, AND MAHARAJ K. TICKU. Group-Selective Reagent Modification of the Benzodiazepine-γ-Aminobutyric Acid Receptor-Ionophore Complex Reveals that Low-Affinity γ-Aminobutyric Acid Receptors Stimulate Benzodiazepine Binding ........................................... 52

R. M. WALLACE AND J. M. YOUNG. Temperature Dependence of the Binding of [3H] Mepyramine and Related Compounds to the Histamine H1 Receptor ................................................................. 60

JUDITH HUERTA-BAHENA, RAFAEL VILLALOBOS-MOLINA, AND J. ADOLFO GARCÍA-SAINZ. Trifluoperazine and Chlorpromazine Antagonize Alpha1- but Not Alpha2-Adrenergic Effects ........................................... 67

JOSIANE POGGIOLI, STUART J. WEISS, JERRY S. MCKINNEY, AND JAMES W. PUTNEY, Jr. Effects of Antimycin A on Receptor-Activated Calcium Mobilization and Phosphoinositide Metabolism in Rat Parotid Gland ............... 71

MASATO HIRATA, EIICHI SUEMATSU, AND TOSHIYUKI KOGA. Effect of Calmodulin and Calmodulin Antagonists on the Ca2+ Uptake by the Intracellular Ca2+-Accumulating System of Guinea Pig Peritoneal Macrophages Treated with Saponin ........................................... 78

ROBBE C. LYON AND DORA B. GOLDSTEIN. Changes in Synaptic Membrane Order Associated with Chronic Ethanol Treatment in Mice ................................................................. 86

Z. IOAV CABANTCHIK, SHIRLEY KUTNER, MIRIAM KRUGLIK, AND HAGAI GINSBURG. Anion Transport Inhibitors as Suppressors of Plasmodium falciparum Growth in vitro Cultures .................................................................. 92

CONSTANCE TOM NOGUCHI, SAMUEL ACKERMAN, JOHN DiMAIO, PETER W. SCHILLER, AND ALAN N. SCHECHTER. The Effect of Phenylalanine Derivatives on the Solubility of Deoxyhemoglobin S: A Model Class of Gelation Inhibitors ................................................................. 100

WILSON P. BULLARD AND TODD L. CAPSON. Steady-State Kinetics of Bovine Striatal Tyrosine Hydroxylase .................................................................................................................. 104

JON M. STOLK, JEFFREY H. HURST, RAS B. GUICHHAIT, GUIDO VANTINI, GUY P. LEFORT, AND BRUCE C. NISULA. Metabolic Clearance Rate of Dopamine β-Hydroxylase in the Rat .................................................................................................................. 112

(continued)
CONTENTS (cont’d)

MICHAEL I. LUSTER, LEILA D. LAWSON, PATRICIA LINKO, AND JOYCE A. GOLDSTEIN. Immunochemical Evidence for Two 3-Methylcholanthrene-Inducible Forms of Cytochrome P-448 in Rat Liver Microsomes Using a Double-Antibody Radioimmunoassay Procedure ........................................... 252

TATSUYA ABE AND MINRO WATANABE. Purification and Characterization of Three Forms of Microsomal Cytochrome P-450 in Liver from 3-Methylcholanthrene-Treated Guinea Pigs ......................................................... 258

RUNE TOFTGÅRD, JAMES HALPERT, AND JAN-AKE GUSTAFSSON. Xylene Induces a Cytochrome P-450 Isozyme in Rat Liver Similar to the Major Isozyme Induced by Phenobarbital ................................................... 265