Contents

ACCELERATED COMMUNICATIONS

655 Recombinant Endothelial Nitric Oxide Synthase: Post-translational Modifications in a Baculovirus Expression System
   Liliana Busconi and Thomas Michel

ARTICLES

660 Characterization of the Interaction of Diacylpiperazine Antagonists with the Human Neurokinin-1 Receptor: Identification of a Common Binding Site for Structurally Dissimilar Antagonists
   Margaret A. Cascieri, Lin-Lin Shiao, Sander G. Mills, Malcolm MacCoss, Christopher J. Swain, Hong Yu, Elzbieta Ber, Sharon Sadowski, Mu Tau Wu, Catherine D. Strader, and Tung Ming Fong

666 Sequestration and Recycling of β2-Adrenergic Receptors Permit Receptor Resensitization
   Susanne Pippig, Sabine Andexinger, and Martin J. Lohse

677 Regulation of the Constitutive Expression of the Human CYP1A2 Gene: Cis Elements and Their Interactions with Proteins
   Injae Chung and Edward Bresnick

686 Effects of Chromium on Basal and Insulin-Induced Tyrosine Phosphorylation in H4 Hepatoma Cells: Comparison with Phorbol-12-myristate-13-acetate and Sodium Orthovanadate
   Edward J. Yurkow and Geumsoo Kim

696 Topoisomerase IIα Promoter Trans-Activation Early in Monocytic Differentiation of HL-60 Human Leukemia Cells
   David J. Fraser, Tessa L. Brandt, and David J. Kroll

Continued
CONTENTS (cont'd)

707 Comparison of Fura-2 Imaging and Electrophysiological Analysis of Murine Calcium Channel α1 Subunits Coexpressed with Novel β2 Subunit Isoforms

Enrique Massa, Kevin M. Kelly, David I. Yule, Robert L. Macdonald, and Michael D. Uhler

717 Novel Subpopulation of Neuronal Acetylcholine Receptors Among Those Binding α-Bungarotoxin

Phyllis C. Pugh, Roderick A. Corriveau, William G. Conroy, and Darwin K. Berg

726 Adaptive Supersensitivity and the Na+/K+ Pump in the Guinea Pig Vas Deferens: Time Course of the Decline in the α2 Subunit

K. M. Hershman, D. A. Taylor, and W. W. Fleming

730 Cloning and Expression of an Endothelin Receptor Subtype B from Human Prostate that Mediates Contraction

Maria L. Webb, Chia-Ching Chao, Marguerite Rizzo, Robert A. Shapiro, Michael Neubauer, Eddie C. K. Liu, Catherine R. Aversa, Russell J. Brittain, and Brent Treiger

738 Antibodies to the Cloned µ-Opioid Receptor Detect Various Molecular Weight Forms in Areas of Mouse Brain

J. Garzón, J. L. Juarros, M. A. Castro, and P. Sánchez-Blázquez

745 Tau Phosphorylation in Brain Slices: Pharmacological Evidence for Convergent Effects of Protein Phosphatases on Tau and Mitogen-Activated Protein Kinase

Timothy D. Garver, George A. Oyler, Katherine A. Harris, Rathnagiri Polavarapu, Zahi Damuni, Ralph A. W. Lehman, and Melvin L. Billingsley

757 Nitric Oxide-Induced Apoptosis in RAW 264.7 Macrophages Is Antagonized by Protein Kinase C-and Protein Kinase A-Activating Compounds

Udo K. Meßmer, Eduardo G. Lapetina, and Bernhard Brüne

766 Protein-Independent Lead Permeation Through Myelin Lipid Liposomes

Ricardho S. Díaz and Jaime Monreal

772 β-Adrenoceptor-Go Coupling Decreases with Age in Rat Aorta

Hakan Gurdal, Eitan Friedman, and Mark D. Johnson

779 Selective Labeling of the Dopamine Transporter by the High Affinity Ligand 3β-(4-[125]Iodophenyl)-tropane-2β-carboxylic Acid Isopropyl Ester


787 Mastoparan Increases the Intracellular Free Calcium Concentration in Two Insulin-Secreting Cell Lines by Inhibition of ATP-Sensitive Potassium Channels

Geoffrey T. Eddlestone, Mitsuhisa Komatsu, Linming Shen, and Geoffrey W. G. Sharp

Continued
CONTENTS (cont’d)

798  Divergent Structural Requirements Exist for Souheir Houssami,
Calcitonin Receptor Binding Specificity and David M. Findlay,
Adenylate Cyclase Activation Catherine L. Brady,
T. John Martin, Richard M. Epand,
Emma E. Moore,
Eigoro Murayama,
Tatsuya Tamura,
Ronald C. Orlowski, and
Patrick M. Sexton

810  Inhibition of Human 5-Phosphoribosyl-1-
pyrophosphate Synthetase by David W. Fry, Michael A. Becker,
4-Amino-8-(β-D-ribofuranosylamino)pyrimido[5,4-
d]pyrimidine-5’-monophosphate: Evidence for
Interaction at the ADP Allosteric Site Robert L. Switzer

816  Metabolic Diversity and Antiviral Activities of Philip Aduma, Michele C. Connelly,
Acyclic Nucleoside Phosphonates Ranga V. Srinivas, and
Arnold Fridland

823  Ethylene Glycol Bis(β-aminoethyl ether)-
N,N,N’,N’-tetraacetic Acid (EGTA) and the Steve P. Watson, Alastair Poole,
Tyrphostin ST271 Inhibit Phospholipase C in and Judith Asselin
Human Platelets by Preventing Ca2+ Entry

831  Novel Potent and Selective Inhibitors of Inducible Masaki Nakane, Vered Klinghofer,
Nitric Oxide Synthase Jane E. Kuk, Jennifer L. Donnelly,
Gerald P. Budzik,
Jennifer S. Pollock, Fatima Basha,
and George W. Carter

835  Stimulation of Type II Adenylyl Cyclase by Rachel C. Tsu, Rodger A. Allen,
Chemoattractant Formyl Peptide and C5a Yung H. Wong
Receptors

842  Direct Block of Calcium Channels by Masumi Kusaka and
Dioctanoylglycerol in Pregnant Rat Myometrial Nicholas Sperelakis
Cells

848  Modulation by μ-Opioid Agonists of Guanosine-5’-
O-(3-[35S]thio)triphosphate Binding to Membranes John R. Traynor and
from Human Neuroblastoma SH-SY5Y Cells Stefan R. Nahorski

855  Extracellular ATP Stimulates Adenylyl Cyclase Isso Matsuoka, Qian Zhou,
and Phospholipase C Through Distinct Hiromi Ishimoto, and
Purinoceptors in NG108–15 Cells Hironori Nakanishi

863  Unusual Carbachol Responses in RINm5F Cells: Shao Hua Tang, Gordon C. Yaney,
Evidence for a “Distal” Site of Action in Stimulus- and Geoffrey W. G. Sharp
Secretion Coupling

871  Differential Activation of Human Gastrin-
Releasing Peptide Receptor-Mediated Responses James M. Wu, Danee O. Hoang,
by Bombesin Analogs and Richard I. Feldman

882  Erratum