Contents

ACCELERATED COMMUNICATIONS

939 Molecular Cloning and Expression of a Pituitary Somatostatin Receptor with Preferential Affinity for Somatostatin-28
Anne-Marie O’Carroll, Stephen J. Lolait, Monica König, and Lawrence C. Mahan

947 High Affinity Block of Myocardial L-Type Calcium Channels by the Spider Toxin ω-Agatoxin IIIA: Advantages over 1,4-Dihydropyridines
Charles J. Cohen, Eric A. Ertel, McHardy M. Smith, Virginia J. Venema, Michael E. Adams, and Mark D. Leibowitz

952 Effects of a Benz[e]indene on γ-Aminobutyric Acid-Gated Chloride Currents in Cultured Postnatal Rat Hippocampal Neurons
Nancy T. Rodgers-Neame, Douglas F. Covey, Yuefei Hu, Keith E. Isenberg, and Charles F. Zorumski

958 Identification of Rabbit Cytochromes P450 2C1 and 2C2 as Arachidonic Acid Epoxigenases
Ronald M. Laethem and Dennis R. Koop

ARTICLES

964 Rodent and Human β2-Adrenergic Receptor Genes Contain an Intron within the Protein-Coding Block
James G. Granneman, Kristine N. Lahners, and Donald D. Rao

971 Effects of Chemical and Surgical Sympathectomy on Expression of β-Adrenergic Receptors and Guanine Nucleotide-Binding Proteins in Rat Submandibular Glands
Suleiman W. Bahouth

982 Inhibition by HS-142—1, a Novel Nonpeptide Atrial Natriuretic Peptide Antagonist of Microbial Origin, of Atrial Natriuretic Peptide-Induced Relaxation of Isolated Rabbit Aorta through the Blockade of Guanylyl Cyclase-Linked Receptors
Reiko Imura, Tomoyuki Sano, Joji Goto, Koji Yamada, and Yuzuru Matsuda

Continued
991 Antidepressant Drug Action in a Transgenic Mouse Model of the Endocrine Changes Seen in Depression
M.-C. Pepin, F. Pothier, and N. Barden

996 Stable Expression of Type 1 γ-Aminobutyric Acid_A/ Benzodiazepine Receptors in a Transfected Cell Line
Garry Wong, Yoshitatsu Sei, and Phil Skolnick

1004 Role of Protein Kinase C in the Modulation of Multidrug Resistance: Expression of the Atypical γ Isoform of Protein Kinase C Does not Confer Increased Resistance to Doxorubicin
Shakeel Ahmad, Jane B. Trepel, Shigeo Ohno, Koichi Suzuki, Takashi Tsuruo, and Robert I. Glazer

1010 Photoaffinity Labeling of the Partially Purified Mitochondrial Phenylalkylamine Calcium Antagonist Receptor
Gerald Zernig

1014 Cross-Species Comparison of 5-Lipoxygenase-Activating Protein
Philip J. Vickers, Gary P. O’Neill, Joseph A. Mancini, Stella Charleson, and Mark Abramovitz

1020 Immunochemical Identity of the 2,3,7,8-Tetrachlorodibenzo-p-dioxin- and β-Naphthoflavone-Induced Cytochrome P-450 Arachidonic Acid Epoxidegenases in Chick Embryo Liver: Distinction from the ω-Hydroxylase and the Phenobarbital-Induced Epoxigenase
Akio Kanetoshi, A. Michele Ward, Brian K. May, and Arleen B. Rifkind

1027 Cytochromes P450 NMa, NMb (2G1), and LM4 (1A2) Are Differentially Expressed during Development in Rabbit Olfactory Mucosa and Liver
Xinxin Ding, Hwei-Ming Peng, and Minor J. Coon

1033 Pre-Steady State Study of β-Adrenergic and Purinergic Receptor Interaction in C6 Cell Membranes: Undelayed Balance between Positive and Negative Coupling to Adenylyl Cyclase
Henri Valeins, Michel Merle, and Julie Labouesse

1042 Rapid Desensitization of Muscarinic m3 Receptor-Stimulated Polyphosphoinositide Responses
Andrew B. Tobin, David G. Lambert, and Stefan R. Nahorski

1049 Ryanodine Induces Persistent Inactivation of the Ca^{2+} Release Channel from Skeletal Muscle Sarcoplasmic Reticulum
Ildikő Zimányi, Edmond Buck, Jonathan J. Abramson, Matthew M. Mack, and Isaac N. Pessah

1058 Neuromedin B Receptors Retain Functional Expression when Transfected into BALB 3T3 Fibroblasts: Analysis of Binding, Kinetics, Stoichiometry, Modulation by Guanine Nucleotide-Binding Proteins, and Signal Transduction and Comparison with Natively Expressed Receptors

1069 Binding Kinetics of γ-Aminobutyric Acid_A Receptor Noncompetitive Antagonists: Trioxabicyclooctane, Dithiane, and Cyclo diene Insecticide-Induced Slow Transition to Blocked Chloride Channel Conformation
Jon E. Hawkinson and John E. Casida

Continued
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1083</td>
<td>Dual Excitatory and Inhibitory Effects of Opioids on Intracellular Calcium in Neuroblastoma x Glioma Hybrid NG108-15 Cells</td>
<td>Wenzhen Jin, Nancy M. Lee, Horace H. Loh, and Stanley A. Thayer</td>
</tr>
<tr>
<td>1090</td>
<td>Coexistence of Contractile and Relaxant 5-Hydroxytryptamine Receptors Coupled to Distinct Signaling Pathways in Intestinal Muscle Cells: Convergence of the Pathways on Ca²⁺ Mobilization</td>
<td>John F. Kuemmerle, Daniel C. Martin, Karnam S. Murthy, John M. Kellum, John R. Grider, and Gabriel M. Makhlouf</td>
</tr>
<tr>
<td>1097</td>
<td>[3H]Phenytoin Identifies a Novel Anticonvulsant-Binding Domain on Voltage-Dependent Sodium Channels</td>
<td>Joseph Francis and W. McIntyre Burnham</td>
</tr>
<tr>
<td>1104</td>
<td>Interaction of Pumiliotoxin B with an “Alkaloid-Binding Domain” in the Voltage-Dependent Sodium Channel</td>
<td>Fabian Gusovsky, William L. Padgett, Cyrus R. Creveling, and John W. Daly</td>
</tr>
<tr>
<td>1109</td>
<td>Mechanism of Anti-Human Immunodeficiency Virus Action of Polyoxometalates, a Class of Broad-Spectrum Antiviral Agents</td>
<td>Naohiko Yamamoto, Dominique Schols, Erik de Clercq, Zeger Debyser, Rudi Pauwels, Jan Balzarini, Hideki Nakashima, Masanori Baba, Mitsuaki Hosoya, Robert Snoeck, Johan Neyts, Graciela Andrei, Barry A. Murrer, Brian Theobald, Gerry Bossard, Geoffrey Henson, Michael Abrams, and Donald Picker</td>
</tr>
<tr>
<td>1118</td>
<td>Cell-Specific Metabolism in Mouse Bone Marrow Stroma: Studies of Activation and Detoxification of Benzene Metabolites</td>
<td>Louis G. Ganousis, Daniel Goon, Teresa Zyglewksa, Kenneth K. Wu, and David Ross</td>
</tr>
<tr>
<td>1126</td>
<td>Author Index for Volume 42</td>
<td></td>
</tr>
<tr>
<td>1134</td>
<td>Subject Index for Volume 42</td>
<td></td>
</tr>
</tbody>
</table>