Contents

ARTICLES

1085 Close Reciprocal Regulation of $\beta_1$- and $\beta_2$-Adrenergic Receptors by Dexamethasone in C6 Glioma Cells: Effects on Catecholamine Responsiveness
Hongying Zhong and Kenneth P. Minneman

1094 Structural and Conformational Features Determining Selective Signal Transduction in the $\beta_3$-Adrenergic Receptor
Nathalie Blin, Luc Camoin, Bernard Maigret, and A. Donny Strosberg

1105 Cycloheximide Induces the $\alpha_1B$ Adrenergic Receptor Gene by Activation of Transcription in DDT, MF-2 Smooth Muscle Cells
Zhao-Wei Hu and Brian B. Hoffman

1113 Cloning and Characterization of a Truncated Dopamine D1 Receptor from Goldfish Retina: Stimulation of Cyclic AMP Production and Calcium Mobilization
Donald E. Frail, Arlene M. Manelli, David G. Witte, Chun Wei Lin, Michael E. Steffey, and Robert G. MacKenzie

1119 Ethanol Increases $\delta$-Opioid Receptor Gene Expression in Neuronal Cell Lines
Michael E. Charness, Guang Hu, Robert H. Edwards, and Lisa A. Querimit

1128 pH-Dependent Inactivation of DT-Diaphorase by Mitomycin C and Porfiromycin
David Siegel, Howard Beall, Masaji Kasai, Hitoshi Arai, Neil W. Gibson, and David Ross

1135 Nuclear Localization of Bacterial *Streptoalloteichus hindustanus* Bleomycin Resistance Protein in Mammalian Cells
Thierry P. G. Calmels, Jehangir S. Mistry, Simon C. Watkins, Paul D. Robbins, Robin McGuire, and John S. Lazo

1142 2,3,7,8-Tetrachlorodibenzo-p-dioxin Increases Cardiac Myocyte Intracellular Calcium and Progressively Impairs Ventricular Contractile Responses to Isoproterenol and to Calcium in Chick Embryo Hearts
Liliana Canga, Leonardo Paroli, Thomas J. J. Blanck, Randi B. Silver, and Arleen B. Rifkind

Continued
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1152</td>
<td>Monoclonal Antibody AE-2 Modulates Carbamate and Organophosphate Inhibition of Fetal Bovine Serum Acetylcholinesterase</td>
<td>A. D. Wolfe, P. K. Chiang, B. P. Doctor, N. Fryar, J. P. Rhee, and M. Saeed</td>
</tr>
<tr>
<td>1158</td>
<td>Human m3 Muscarinic Acetylcholine Receptor Carboxyl-Terminal Threonine Residues Are Required for Agonist-Induced Receptor Down-regulation</td>
<td>Jun Yang, Craig D. Logsdon, Teit E. Johansen, and John A. Williams</td>
</tr>
<tr>
<td>1165</td>
<td>Selective Irreversible Binding of Chloroethylclonidine at α1- and α2-Adrenoceptor Subtypes</td>
<td>Martin C. Michel, Jens Kerker, Theresa A. Branchek, and Carlos Forray</td>
</tr>
<tr>
<td>1171</td>
<td>Stable Allosteric Binding of m1-Toxin to m1 Muscarinic Receptors</td>
<td>Steven I. Max, Jing-Sheng Liang, and Lincoln T. Potter</td>
</tr>
<tr>
<td>1176</td>
<td>Role of Arachidonic Acid and Glutamate in the Formation of Inositol Phosphates Induced by Noradrenalin in Striatal Astrocytes</td>
<td>Philippe Marin, Nephi Stella, Jocelyne Cordier, Jacques Glowinski, and Joël Prémont</td>
</tr>
<tr>
<td>1185</td>
<td>P2U-Purinergic Receptors on C6-2B Rat Glioma Cells: Modulation of Cytosolic Ca²⁺ and cAMP Levels by Protein Kinase C</td>
<td>Ravi Munshi, Maria A. DeBernardi, and Gary Brooker</td>
</tr>
<tr>
<td>1192</td>
<td>Chlorocresol: An Activator of Ryanodine Receptor-Mediated Ca²⁺ Release</td>
<td>Francesco Zorzato, Erica Scutari, Vincenzo Tegazzin, Emilio Clementi, and Susan Treves</td>
</tr>
<tr>
<td>1202</td>
<td>Enhancement of Recombinant γ-Aminobutyric Acid Type A Receptor Currents by Chronic Activation of cAMP-Dependent Protein Kinase</td>
<td>Timothy P. Angelotti, Michael D. Uhler, and Robert L. Macdonald</td>
</tr>
<tr>
<td>1219</td>
<td>Cycloalkanemethanols Discriminate between Volume- and Length-Dependent Loss of Activity of Alkanols at the Torpedo Nicotinic Acetylcholine Receptor</td>
<td>Susan C. Wood, W. Adam Hill, and Keith W. Miller</td>
</tr>
<tr>
<td>1227</td>
<td>Amphetamine Derivatives Interact with Both Plasma Membrane and Secretory Vesicle Biogenic Amine Transporters</td>
<td>Shimon Schuldiner, Sonia Steiner-Mordoch, Rodrigo Yelin, Stephen C. Wall, and Gary Rudnick</td>
</tr>
</tbody>
</table>

Continued
CONTENTS (cont’d)

1240  Effects of Terfenadine and Its Metabolites on a Delayed Rectifier K⁺ Channel Cloned from Human Heart  
       David Rampe, Barbara Wible, Arthur M. Brown, and Richard C. Dage

1246  Molecular Mechanism of δ-Selectivity of Indole Analogs of Nonpeptide Opioids  
       Patricia A. Maguire, Juan J. Perez, Nancy F. Tsai, Lizel Rodriguez, Mark F. Beatty, Hugo O. Villar, John J. Kamal, Christopher Upton, Alan F. Casy, and Gilda H. Loew

1252  Agonist Response Kinetics of N-Methyl-d-aspartate Receptors in Neurons Cultured from Rat Cerebral Cortex and Cerebellum: Evidence for Receptor Heterogeneity  
       Tony Priestley and John A. Kemp

1258  Phosphorylation of the Enantiomers of the Carbocyclic Analog of 2’-Deoxyguanosine in Cells Infected with Herpes Simplex Virus Type 1 and in Uninfected Cells. Lack of Enantiomeric Selectivity with the Viral Thymidine Kinase  
       L. Lee Bennett, Jr., William B. Parker, Paula W. Allan, Lucy M. Rose, Y. Fulmer Shealy, John A. Secrist III, J. A. Montgomery, Gussie Arnett, Richard L. Kirkman, and William M. Shannon

1267  Cytochrome P450 2B1-Mediated One-Electron Reduction of Adriamycin: A Study with Rat Liver Microsomes and Purified Enzymes  
       Arnold R. Goepptar, Johan M. Te Koppele, Ellen K. Lamme, Judith M. Piqué, and Nico P. E. Vermeulen

CORRECTIONS

1278  G Protein-Linked Receptors Labeled by [³H]Histamine in Guinea Pig Cerebral Cortex. I. Pharmacological Characterization  
       William G. Sinkins, Marianne Kandel, Stephen I. Kandel, Walter Schunack, and James W. Wells

1278  G Protein-Linked Receptors Labeled by [³H]Histamine in Guinea Pig Cerebral Cortex. II. Mechanistic Basis for Multiple States of Affinity  
       William G. Sinkins and James W. Wells

1278  Molecular Cloning and Expression of a Pituitary Somatostatin Receptor with Preferential Affinity for Somatostatin-28  
       Anne-Marie O’Carroll, Stephen J. Lolait, Monika König, and Lawrence C. Mahan

INDEXES

1279  Subject Index for Volume 44

1289  Author Index for Volume 44