Contents

ARTICLES

1061 γ-Aminobutyric Acid Type A Receptors in the Rat Brain Can Contain Both γ2 and γ3 Subunits, but γ1 Does not Exist in Combination with Another γ Subunit
  Kathleen Quirk, Nigel P. Gillard, C. Ian Ragan, Paul J. Whiting, and Ruth M. McKernan

1071 Introduction of Purified α2A-Adrenergic Receptors into Uniformly Oriented, Unilamellar Phospholipid Vesicles: Productive Coupling to G Proteins but Lack of Receptor-Dependent Ion Transport
  Jeffrey R. Keefer, Jodi Nunnari, I. H. Pang, and Lee E. Limbird

1082 Desensitization of the Canine A2A Adenosine Receptor: Delineation of Multiple Processes
  Timothy M. Palmer, Thomas W. Gettys, Kenneth A. Jacobson, and Gary L. Stiles

1095 Antagonist-Mediated Down-regulation of 5-Hydroxytryptamine Type 2 Receptor Gene Expression: Modulation of Transcription
  Miklos Toth and Thomas Shenk

1101 A Binding Site Model and Structure-Activity Relationships for the Rat A3 Adenosine Receptor

1112 The Marked Diparity between the Sizes of Angiotensin Type 2 Receptors from Different Tissues Is Related to Different Degrees of N-Glycosylation
  Guy Servant, David T. Dudley, Emanuel Escher, and Gaétan Guillemette

1119 2′,3′-Dideoxycytidine Alters Calcium Buffering in Cultured Dorsal Root Ganglion Neurons
  John L. Werth, Bing Zhou, Louise M. Nutter, and Stanley A. Thayer

1125 Isolation and Characterization of the Rat 5-Hydroxytryptamine Type 2 Receptor Promoter: Constitutive and Inducible Activity in the Myometrial Smooth Muscle Cells
  Yun-Long Du, Brian D. Wilcox, Milt Teitler, and John J. Jeffrey

Continued
CONTENTS (cont’d)

1132 Palytoxin Induces K⁺ Efflux from Yeast Cells Expressing the Mammalian Sodium Pump Georgios Scheiner-Bobis, Dagmar Meyer zu Heringdorf, Matthias Christ, and Ernst Habermann

1137 Decreased Accumulation as a Mechanism of Resistance to cis-Diamminedichloroplatinum(II) in Cervix Carcinoma HeLa Cells: Relation to DNA Repair Chuck C.-K. Chao

1145 Characterization of Rhodamine 123 Binding to P-Glycoprotein in Human Multidrug-Resistant Cells Bakela Nare, Roger K. Prichard, and Elias Georges

1153 Dual Regulation of P450EF Expression via the Aryl Hydrocarbon Receptor and Protein Stabilization in C3H/10T1/2 Cells Üzen Savas and Colin R. Jefcoate

1160 Positive Modulation of Intracellular Ca²⁺ Levels by Adenosine A₂b Receptors, Prostacyclin, and Prostaglandin E₁ via a Cholera Toxin-Sensitive Mechanism in Human Erythroleukemia Cells Igor Feoktistov, John J. Murray, and Italo Biaggioni

1168 α₂-Adrenergic Receptors of the α₂C Subtype Mediate Inhibition of Norepinephrine Release in Human Kidney Cortex Anne-Ulrike Trendelenburg, Norbert Limberger, and Lars C. Rump

1177 L-Cysteine Sulfinic Acid as an Endogenous Agonist of a Novel Metabotropic Receptor Coupled to Stimulation of Phospholipase D Activity Valerie Boss, Karen M. Nutt, and P. Jeffrey Conn

1183 Coupling of the Type A Endothelin Receptor to Multiple Responses in Adult Rat Cardiac Myocytes Randa Hilal-Dandan, Dan T. Merck, Jason P. Lujan, and Laurence L. Brunton


1198 Modulation of L-Type Ca²⁺ Channels in Clonal Rat Pituitary Cells by Membrane Depolarization J. Liu, R. Bangalore, A. Rutledge, and D. J. Triggle

1207 Differential Inhibition of Protein Kinase C Isozymes by UCN-01, a Staurosporine Analogue Caroline M. Seynaeve, Marcelo G. Kazanietz, Peter M. Blumberg, Edward A. Sausville, and Peter J. Worland

1215 Insulin-like Growth Factor-I Induces a Rapid Increase in Calcium Currents and Spontaneous Membrane Activity in Clonal Pituitary Cells Richard H. Selinfreund and Leslie A. C. Blair

1221 Inhibition of Phosphoprotein Phosphatases Blocks Metabotropic Glutamate Receptor Effects in the Rat Nucleus Tractus Solitarii Steven R. Glaum and Richard J. Miller

Continued
CONTENTS (cont’d)

1227 Pharmacological Characterization of Five Cloned Voltage-Gated K⁺ Channels, Types Kv1.1, 1.2, 1.3, 1.5, and 3.1, Stably Expressed in Mammalian Cell Lines
Stephan Grissmer, Angela N. Nguyen, Jayashree Aiyar, Douglas C. Hanson, Robert J. Mather, George A. Gutman, Michael J. Karmilowicz, David D. Auperin, and K. George Chandy

1235 Effects of Alcohols and Volatile Anesthetics on the Activation of Nicotinic Acetylcholine Receptor Channels
Yi Liu, James P. Dilger, and Ana Maria Vidal

1242 Aminopyridine Block of Kv1.1 Potassium Channels Expressed in Mammalian Cells and Xenopus Oocytes
Neil A. Castle, Sandra Fadous, Diomedes E. Logothetis, and Ging Kuo Wang

1253 Comparative Cytostatic Activity of Different Antiverticellie Drugs against Herpes Simplex Virus Thymidine Kinase Gene-Transfected Tumor Cells
Jan Balzarini, Christina Bohman, Richard T. Walker, and Erik De Clercq

1259 Catecholestrogens as Mediators of Carcinogenesis: Correlation of Aromatic Hydroxylation of Estradiol and Its Fluorinated Analogs with Tumor Induction in Syrian Hamsters
A. C. Stalford, J. L. Maggs, T. L. Gilchrist, and B. K. Park

1268 The Acidic Groups of the Neocarzinostatin Protein Play an Important Role in Its Biological Activity
Frank Schönlau and Wolfgang Köhnlein

1273 Bioactivation of Arachidonic Acid by the Cytochrome P450 Monoxygenases of Guinea Pig Lung: The Orthologue of Cytochrome P450 2B4 is Solely Responsible for Formation of Epoxyeicosatrienoic Acids
Leah C. Knickle and John R. Bend

1281 Selective Inhibition by Ethanol of the Type 1 Facilitative Glucose Transporter (GLUT1)
Sharon Wald Krauss, Ivan Diamond, and Adrienne S. Gordon

1287 Interactions of Dihydralazine with Cytochromes P4501A: A Possible Explanation for the Appearance of Anti-Cytochrome P4501A2 Autoantibodies
Mohamed Bourdi, Marina Tinel, Philippe H. Beaune, and Dominique Pessayre

INDEXES

1296 Subject Index for Volume 45

1301 Author Index for Volume 45