Contents

ACCELERATED COMMUNICATIONS

833 Adaptive Supersensitivity in the Guinea Pig Vasa Defrens Is Associated with a Reduction in the Abundance of the α2 Subunit Isoform of Na+/K+-ATPase

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

838 Cloned Somatostatin Receptors: Identification of Subtype-Selective Peptides and Demonstration of High Affinity Binding of Linear Peptides

Karen Raynor, William A. Murphy, David H. Coy, John E. Taylor, Jacques-Pierre Moreau, Kazuki Yasuda, Graeme I. Bell, and Terry Reisine

ARTICLES

845 Overproduction of a 37.5-kDa Cytosolic Protein Structurally Related to Prostaglandin F Synthase in Ethacrynic Acid-Resistant Human Colon Cells

Paul J. Ciaccio, Jeanette E. Stuart, and Kenneth D. Tew

854 Mechanisms of Excision of 5-Fluorouracil by the Uracil DNA Glycosylase in Normal Human Cells

David J. Mauro, Jon K. de Riel, Ronald J. Tallarida, and Michael A. Sirover

858 Expression of the Antisense cDNA to Protein Kinase Ca Attenuates Resistance in Doxorubicin-Resistant MCF-7 Breast Carcinoma Cells

Shakeel Ahmad and Robert I. Glazer

863 Effect of pH on DNA Alkylation by Enzyme-Activated Mitomycin C and Porfiromycin

Fang Yu and Su-shu Pan

870 Enzymatic and pH Modulation of Mitomycin C-Induced DNA Damage in Mitomycin C-Resistant HCT 116 Human Colon Cancer Cells

Su-shu Pan, Fang Yu, and Carlyn Hipsher

Continued
CONTENTS (cont’d)

878 Human Thiopurine Methyltransferase: Molecular Cloning and Expression of T84 Colon Carcinoma Cell cDNA

888 Site-Directed Mutagenesis of Monoamine Oxidase A and B: Role of Cysteines

894 Cloning and Expression of a Human Somatostatin-14-Selective Receptor Variant (Somatostatin Receptor 4) Located on Chromosome 20

902 Inhibition and Inactivation of Constitutive Cytochromes P450 in Rat Liver by Parathion

909 Characterization of Adenosine Receptors in Human Erythroleukemia Cells and Platelets: Further Evidence for Heterogeneity of Adenosine A₂ Receptor Subtypes

915 High Affinity Agonist Binding to Cloned 5-Hydroxytryptamine₂ Receptors Is not Sensitive to GTP Analogs

921 Role of the Amino- and Carboxyl-Terminal Domains for Thrombin Receptor-Derived Polypeptides in Biological Activity in Vascular Endothelium and Gastric Smooth Muscle: Evidence for Receptor Subtypes

931 Site-Directed Mutagenesis of the Serotonin 5-Hydroxytryptamine₂ Receptor: Identification of Amino Acids Necessary for Ligand Binding and Receptor Activation

941 Enflurane Inhibits the Function of Mouse and Human Brain Phosphatidylinositol-Linked Acetylcholine and Serotonin Receptors Expressed in Xenopus Oocytes

949 Inhibition of Na⁺ Channels by the Novel Blocker PD85,639

955 Specific Binding of the Novel Na⁺ Channel Blocker PD85,639 to the α Subunit of Rat Brain Na⁺ Channels

965 Zinc Protoporphyrin IX Blocks the Effects of Metabotropic Glutamate Receptor Activation in the Rat Nucleus Tractus Solitarii

Continued
CONTENTS (cont'd)

970 Cloning of cDNA Sequences Encoding Human α2 and α3 γ-Aminobutyric Acid Receptor Subunits and Characterization of the Benzodiazepine Pharmacology of Recombinant α1, α2, α3, and α5 Containing Human γ-Aminobutyric Acid Receptors


976 Stimulation by Glutamate Receptors of Arachidonic Acid Release Depends on the Na+/Ca²⁺ Exchanger in Neuronal Cells

Aline Dumuis, Michèle Sebben, Laurent Fagni, Laurent Prézeau, Olivier Manzoni, Edward J. Cragoe, Jr., and Joël Bockaert

982 DNA Minor Groove Recognition Properties of Pentamidine and its Analogs: A Molecular Modeling Study

Paulette A. Greenidge, Terence C. Jenkins, and Stephen Neidle

989 Effects of 4’-Modified Analogs of Aristeromycin on the Metabolism of S-Adenosyl-L-homocysteine in Murine L929 Cells

Dana B. Ault-Riché, Younha Lee, Chong-Sheng Yuan, Masahide Hasobe, Michael S. Wolfe, David R. Borcherding, and Ronald T. Borchardt

998 Author Index for Volume 43

1006 Subject Index for Volume 43

Copyright © 1993 by The American Society for Pharmacology and Experimental Therapeutics
All Rights Reserved

No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording, or any information storage and retrieval system, without permission in writing from the copyright owner.

The appearance of the code at the bottom of the first page of an article in this journal indicates the copyright owner's consent that copies of this article may be made for personal or internal use, or for the personal or internal use of specific clients. This consent is given on the condition, however, that the copier pay the stated per copy fee through the Copyright Clearance Center, Inc. (21 Congress Street, Salem, Massachusetts 01970), for copying beyond that permitted by Sections 107 or 108 of the U.S. Copyright Law. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. Copy fees for pre-1986 articles are the same as those shown for current articles.