CONTENTS

ACCELERATED COMMUNICATION

WILLIAM A. DEVANE, FRANCIS A. DYSARZ III, M. ROSS JOHNSON, LAWRENCE S. MELVIN, AND ALLYN C. HOWLETT. Determination and Characterization of a Cannabinoid Receptor in Rat Brain	605
ARTICLES	000
ARTICLES	
LISA A. BERO, SABITA ROY, AND NANCY M. LEE. Identification of Endogenous Opioid Receptor Components in Rat Brain Using a Monoclonal Antibody	614
THOMAS W. JONES, CHEN QIN, VALENTINE H. SCHAEFFER, AND JAMES L. STEVENS. Immunohistochemical Localization of Glutamine Transaminase K, a Rat Kidney Cysteine Conjugate β-Lyase, and the Relationship to the Segment Specificity of Cysteine Conjugate Nephrotoxicity	621
M. J. NAMKUNG, H. L. YANG, J. E. HULLA, AND M. R. JUCHAU. On the Substrate Specificity of Cytochrome P450IIIA1	628
MICHAEL R. JACKSON, SYLVIE FOURNEL-GIGLEUX, DAVID HARDING, AND BRIAN BURCHELL. Examination of the Substrate Specificity of Cloned Rat Kidney Phenol UDP-Glucuronyltransferase Expressed in COS-7 Cells	638
Paul T. Wilson, Edward Hawrot, and Thomas L. Lentz. Distribution of α-Bungar- otoxin Binding Sites over Residues 173–204 of the α Subunit of the Acetylcholine Receptor	643
DAVID H. PRESKY AND AGNES SCHONBRUNN. Iodination of [Tyr11]Somatostatin Yields a Super High Affinity Ligand for Somatostatin Receptors in GH ₄ C ₁ Cells	651
ROGER J. HILL, HENRY J. DUFF, AND ROBERT S. SHELDON. Determinants of Stereospecific Binding of Type I Antiarrhythmic Drugs to Cardiac Sodium Channels	659
STANLEY A. THAYER, LANE D. HIRNING, AND RICHARD J. MILLER. The Role of Caffeine-Sensitive Calcium Stores in the Regulation of the Intracellular Free Calcium Concentration in Rat Sympathetic Neurons In Vitro	664
Luisa Rossi, Larry G. McGirr, Jose Silva, and Peter O'Brien. The Metabolism of N-Acetyl-3,5-dimethyl-p-benzoquinone Imine in Isolated Hepatocytes Involves N-Deacetylation	674
CHRISTOPHER A. BRADFIELD AND ALAN POLAND. A Competitive Binding Assay for 2,3, 7,8-Tetrachlorodibenzo-p-Dioxin and Related Ligands of the Ah Receptor	682
LESLIE KUSHNER, STEPHEN R. ZUKIN, AND R. SUZANNE ZUKIN. Characterization of Opioid, σ, and Phencylidine, Receptors in the Neuroblastoma-Brain Hybrid Cell Line NCB-20	689
Patricia E. Ganey, Frederick C. Kauffman, and Ronald G. Thurman. Oxygen-Dependent Hepatotoxicity Due to Doxorubicin: Role of Reducing Equivalent Supply in Perfused Rat Liver	695

Continued

MOLECULAR PHARMACOLOGY (ISSN 0026-895x) is published monthly by The American Society for Pharmacology and Experimental Therapeutics, 428 East Preston Street, Baltimore, MD 21202-3993. Price per year: USA individual rate \$80.00; Japan \$145.00 (includes air freight); all other countries, surface mail \$105.00. USA institutional rate \$175.00; Japan \$240.00 (includes air freight); all other countries, surface mail \$200.00. (Prices subject to change.) All subscription orders should be addressed to Molecular Pharmacology, 428 East Preston Street, Baltimore, MD 21202-3993.

Second Class Postage paid at Baltimore, MD, and at Padditional mailing offices. POSTMASTER: send address changes to MOLECULAR PHARMACOLOGY, 428 East Preston Street, Baltimore, MD 21202-3993.

Copyright © 1988 by The American Society for Pharmacology and Experimental Therapeutics.

CONTENTS (cont'd)

GERALD D. FRENKEL AND JANET DUCOTE. Methyl Mercury Stimulates Chain Elongation	
by Purified HeLa RNA Polymerase II	702
YUKIO NISHIZAWA, FABIAN GUSOVSKY, AND JOHN W. DALY. Local Anesthetics: Compar-	
ison of Effects on Batrachotoxin-Elicited Sodium Flux and Phosphoinositide Break-	
down in Guinea Pig Cerebral Cortical Synaptoneurosomes	707

Copyright © 1988 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.