CONTENTS

ERIC J. NESTLER AND JOHN F. TALLMAN. Chronic Morphine Treatment Increases Cyclic AMP-Dependent Protein Kinase Activity in the Rat Locus Coeruleus	127 ·
ARTICLES	
MICHEL BOUVIER, MARK HNATOWICH, SHEILA COLLINS, BRIAN K. KOBILKA, ANTONIO DEBLASI, ROBERT J. LEFKOWITZ, AND MARC G. CARON. Expression of a Human cDNA Encoding the β_2 -Adrenergic Receptor in Chinese Hamster Fibroblasts (CHW): Functionality and Regulation of the Expressed Receptors	133
G. D. BELLWARD, T. CHANG, B. RODRIGUES, J. H. MCNEILL, S. MAINES, D. E. RYAN, W. LEVIN, AND P. E. THOMAS. Hepatic Cytochrome P-450j Induction in the Spontaneously Diabetic BB Rat	140
SHIN-ICHI AKIYAMA, MARILYN M. CORNWELL, MICHIHIKO KUWANO, IRA PASTAN, AND MICHAEL M. GOTTESMAN. Most Drugs that Reverse Multidrug Resistance Also Inhibit Photoaffinity Labeling of P-Glycoprotein by a Vinblastine Analog	144
JOHN F. BRADY, M. J. LEE, MARY LI, HIROYUKI ISHIZAKI, AND CHUNG S. YANG. Diethyl Ether as a Substrate for Acetone/Ethanol-Inducible Cytochrome P-450 and as an Inducer for Cytochrome(s) P-450	148
ANNE C. ANDORN, BRUCE R. BACON, AHN T. NGUYEN-HUNH, SALVATORE J. PARLATO, AND JUDITH A. STITTS. Guanyl Nucleotide Interactions with Dopaminergic Binding Sites Labeled by [3H]Spiroperidol in Human Caudate and Putamen: Guanyl Nucleotides Enhance Ascorbate-Induced Lipid Peroxidation and Cause an Apparent Loss of High Affinity Binding Sites	155
TAKASHI AGUI, NOURDINE AMLAIKY, MARC G. CARON, AND JOHN W. KEBABIAN. Binding of [125I]-N-(p-Aminophenethyl)spiroperidol to the D-2 Dopamine Receptor in the Neurointermediate Lobe of the Rat Pituitary Gland: A Thermodynamic Study	163
JEAN M. BIDLACK, WILLIAM E. O'MALLEY, AND RÜDIGER SCHULZ. Comparison of [125] β-Endorphin Binding to Rat Brain and NG108-15 Cells Using a Monoclonal Antibody Directed against the Opioid Receptor	170
ALINE DUMUIS, MICHÈLE SEBBEN, AND JOËL BOCKAERT. Pharmacology of 5-Hydroxy-tryptamine-1A Receptors Which Inhibit cAMP Production in Hippocampal and Cortical Neurons in Primary Culture	178
FREDERICK J. EHLERT. Estimation of the Affinities of Allosteric Ligands Using Radioligand Binding and Pharmacological Null Methods	187
CHRISTINA G. BENISHIN, BRUCE K. KRUEGER, AND MORDECAI P. BLAUSTEIN. Phenothiazines and Haloperidol Block Ca-Activated K Channels in Rat Forebrain Synaptosomes	195
EDWARD MOCZYDLOWSKI, JANICE MAHAR, AND ARIPPA RAVINDRAN. Multiple Saxitonin-Binding Sites in Bullfrog Muscle: Tetrodotoxin-Sensitive Sodium Channels and Tetrodotoxin-Insensitive Sites of Unknown Function	202
LAWRENCE P. GARETTO, RICHARD C. CARLSEN, JUNG-HWA LEE, AND DONAL A. WALSH. Calcium-Dependent Regulation of Phosphorylase Activation in a Fast-Twitch Oxidative-Glycolytic Skeletal Muscle	212
F. L. STASSEN, G. HECKMAN, D. SCHMIDT, M. T. PAPADOPOULOS, P. NAMBI, H. SARAU, N. AIYAR, M. GELLAI, AND L. KINTER. Oxytocin Induces a Transient Increase in Cytosolic Free [Ca ²⁺] in Renal Tubular Epithelial Cells: Evidence for Oxytocin Receptors on LLC-PK1 Cells	218
Conti	nued

MOLECULAR PHARMACOLOGY (ISSN 0026-895x) is published monthly by The American Society for Pharmacology and Experimental Therapeutics, 428 East Preston Street, Baltimore, MD 21202. Price per year: USA individual rate \$75.00; Japan \$123.00 (includes air freight); all other countries, surface mail \$90.00. USA institutional rate \$165.00; Japan \$213.00 (includes air freight); all other countries, surface mail \$180.00. (Prices subject to change). All subscription orders should be addressed to Molecular Pharmacology, 428 East Preston Street, Baltimore, MD 21202.

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

CONTENTS (cont'd)

DON R. PHILLIPS, PETER C. GREIF, AND RAY C. BOSTON. Daunomycin-DNA Dissociation Kinetics	225
B. ASTROFF, T. ZACHAREWSKI, S. SAFE, M. P. ARLOTTO, A. PARKINSON, P. THOMAS, AND W. LEVIN. 6-Methyl-1,3,8-tricholorodibenzofuran as a 2,3,7,8-Tetrachlrodibenzo-p-dioxin Antagonist: Inhibition of the Induction of Rat Cytochrome P-450 Isozymes and Related Monooxygenase Activities	
MEI-CHICH HSU AND JEAN C. SHIH. Photoaffinity Labeling of Human Placental Monoamine Oxidase-A by 4-Fluoro-3-nitrophenyl Azide	

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.