An important resource for everyone involved in research on the metabolism of drugs and chemicals

### DRUG METABOLISM AND DISPOSITION

The Biological Fate of Chemicals

Editor: **Vincent G. Zannoni, PhD,** University of Michigan, Ann Arbor, Michigan

**DRUG METABOLISM AND DISPOSITION** publishes *in vitro* and *in vivo* experimental results that bring readers significant and original information on xenobiotic metabolism and disposition, including metabolism of all pharmacologic agents or drugs and environmental chemicals, reactants, and preservatives. All papers are referred to ensure a high standard of publication. The areas covered are:

- · pharmacokinetics
- · pharmacodynamics
- genetic, nutritional, and hormonal factors affecting the biological fate of chemicals
- · toxicological consequences of xenobiotic metabolism

This journal should be a standard reference in all pharmacology and toxicology departments. It is also a valuable resource for all medicinal chemists involved in designing drugs and all biochemists involved with drug metabolism.

Bimonthly

# Drug Metabolism and Disposition: the biological late of chemicals





V	-8	Enter	mv	subscri	iption
		CHILL	шу		

Avoid future rate increases and ensure uninterrupted service—enter your multiyear subscription today!

Drug Metabolism and Disposition (bimonthly)

☐ Individual: \$60/yr ☐ Institutions: \$95/yr (Please add \$10.00 outside the U.S.)

address

☐ New Subscription ☐ Renewal ☐ 3 yrs ☐ 2 yrs ☐ 1 yr

name

City state zip

Payment options:

☐ Check enclosed
☐ VISA

☐ Bill me ☐ MasterCard

☐ American Express

card #

signature/P.O.#

MD residents, please add 5% sales tax. Subscriptions from outside the US and Canada must be prepaid, in US dollars only: Rates valid for orders received before October 31, 1987.

Please allow 10 weeks for delivery of your first issue. Surface mail delivery to countries outside the US may take up to 16 weeks. Airmail rates available upon request. *Residents, Jellous, interns, and students*, when requesting the in training rate (10 which you are entitled for 3 years), please specify training status and institution.

Rates subject to change without notice.

Williams & Wilkins

P.O. Box 23291 Baltimore, Maryland 21203 266 Fulham Road London SW10 9EL, England

DMDAD 93774 87



Newsworthy and timely articles in your field

#### **MOLECULAR** PHARMACOLOGY

Editor: William A. Catterall, PhD, University of Washington, Seattle, Washington

Is your special interest receptors and neurotransmitters . . . drug metabolism ... antibiotic and anticancer drug actions ... or other areas related to the molecular basis of drug action? If so, you should be subscribing to MOLECULAR PHARMACOLOGY.

The editor's and editorial board's high standards ensure that the papers you read in MOLECULAR PHARMACOLOGY are on the cutting edge of research on drug action and selective toxicity at the molecular level. Original applications of biochemistry, biophysics, genetics, and molecular biology are juxtaposed with innovative pharmacologic research to elucidate basic problems in pharmacology and toxicology, including such areas as molecular mechanisms involved in drug receptor-effector coupling, xenobiotic metabolism, and antibiotic and anticancer drug action. Start your subscription today to ensure access to the most newsworthy papers in your field.

Monthly





u	ECI			enhacription	
٧	0	Enter	my	subscription	

Avoid future rate increases and ensure uninterrupted service—enter your multiyear subscription today!

name address city state zip

Molecular Pharmacology (bimonthly)

☐ Individual: \$75/yr ☐ Institutions: \$165/yr

(Please add \$15.00 outside the U.S.)

☐ New Subscription ☐ Renewal ☐ 3 yrs ☐ 2 yrs ☐ 1 yr

Payment options: Check enclosed

☐ VISA

☐ Bill me ☐ MasterCard

□ American Express

card #

signature/P.O.#

MD residents, please add 5% sales tax. Subscriptions from outside the US and Canada must be prepaid, in *US dollars only*. Rates valid for orders received before October 31, 1987.

Please allow 10 weeks for delivery of your first issue. Surface mail delivery to countries outside the US may take up to 16 weeks. Airmail rates available upon request. Residents, Fellous, interns, and students, when requesting the in training rate (to which you are entitled for 3 years), please specify training status and

Rates subject to change without notice.

Williams & Wilkins

Baltimore, Maryland 21203

266 Fulham Road London SW10 9EL, England

MOLAD 93774 87



## Broad coverage of pharmacology in a prestigious journal

### THE JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS

Editor: **Eva King Killam**, **PhD**, School of Medicine, University of California, Davis

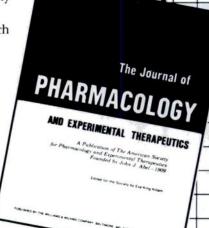
JPET is respected the world over as one of the leading research journals in the field of pharmacology. Readers find broad coverage of all aspects of the interactions of chemicals with biological systems, including:

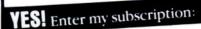
- · autonomic pharmacology
- · analgesia
- · behavioral pharmacology
- cardiovascular pharmacology
- · cellular pharmacology
- · chemotherapy
- clinical pharmacology
- developmental pharmacology

- · drug abuse
- drug metabolism & disposition
- gastrointestinal pharmacology
- immunopharmacology
- neuropharmacology
- pulmonary pharmacology
- · renal pharmacology
- toxicology

JPET is valuable reading for academic, industrial and clinical pharmacologists as well as toxicologists. The Journal deserves a place in every pharmaceutical and toxicological research laboratory and pharmacology/toxicology department throughout the world.

Monthly





Avoid future rate increases and ensure uninterrupted	service-	-enter
your multiyear subscription today!		

The Journal of Pharmacology and Experimental Therapeutics

☐ Individual: \$140/yr ☐ Institutions: \$220/yr

address

(Please add \$30 00 outside the U.S.)

☐ New Subscription ☐ Renewal ☐ 3 yrs ☐ 2 yrs ☐ 1 yr

name

Williams & Wilkins

Payment options:

☐ Check enclosed
☐ VISA

☐ Bill me ☐ MasterCard

☐ American Express

card #

signature/P.O.#

MD residents, please add 5% sales tax. Subscriptions from outside the US and Canada must be prepaid, in US dollars only Rates valid for orders received before October 31, 1987.

Please allow 10 weeks for delivery of your first issue. Surface mail delivery to countries outside the US may take up to 16 weeks. Airmail rates available upon request. Residents, fellous, interns, and students, when requesting the in training rate (to which you are entitled for 3 years), please specify training status and institution.

Rates subject to change without notice.

P.O. Box 23291 Baltimore, Maryland 21203 266 Fulham Road London SW10 9EL, England

PTAD 93775 87



#### NOTICE TO CONTRIBUTORS

Complete instructions for the preparation of manuscripts appear in the first issue of each volume, or copies may be obtained from the editor. All manuscripts and correspondence concerning them should be sent to the editor:

Dr. Eva King Killam
Department of Pharmacology
School of Medicine
University of California
Davis, California 95616
(916) 752-7701

#### INFORMATION TO SUBSCRIBERS

THE JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS is issued monthly. Four volumes are published each year. Each volume contains three numbers.

Correspondence concerning business matters should be addressed to Williams & Wilkins, Publishers of Books and Periodicals in Medicine and the Allied Sciences, 428 East Preston St., Baltimore, Maryland 21202 U.S.A.

Annual Subscription Rates—U. S. A. AND POSSESSIONS: personal, \$140.00; institutional, \$220.00; single copy, \$16.00. FOREIGN: personal, \$170.00; institutional, \$250.00; single copy, \$19.00. (Prices subject to change.) Institutional (multiple reader) rate applies to libraries, schools, hospitals, clinics, group practices, and federal, commercial, and private institutions and organizations.

Change of address: Publisher must be notified 60 days in advance. Journals undeliverable because of incorrect address will be destroyed. Duplicates can be obtained (if available) from the publisher at the regular price of single issues.

New subscriptions and renewals are entered to begin with the January or July issue.

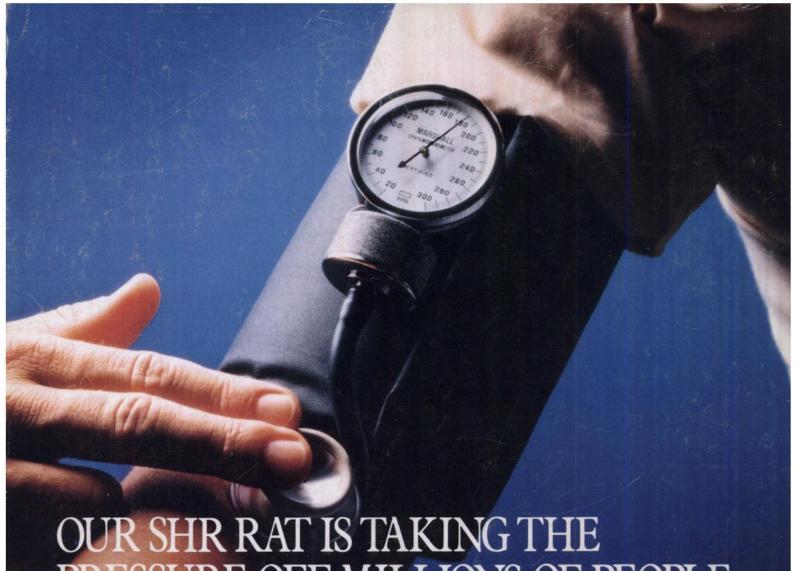
To avoid a break in your series, subscriptions should be renewed promptly. The publisher cannot guarantee to supply back issues on belated renewals.

Reprints of individual articles are available only from authors.

Microfilm. For availability, inquire of Williams & Wilkins.

Japanese Yen price is available from our sole agent: USACO Corporation, 13-12 Shimbashi 1-Chome, Minato-Ku, Tokyo 105, Japan, telephone 03-502-6471.

WILLIAMS & WILKINS BALTIMORE, MD. 21202 U. S. A.



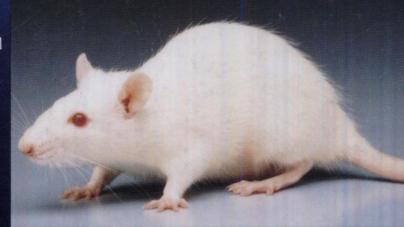
RESSURE OFF MILLIONS OF PEOPLE.

In this fast-paced world of ours, it takes a special breed to handle the pressures. For the millions of people afflicted with hypertension and the researchers working to resolve its mysteries, the Charles River COBS® SHR hypertensive inbred alo rat is precisely that: specially bred to provide the consistently high pressures vital to successful hypertension research.

and consistency is the key. Indirect systolic pressures of 180–220 mm Hg are recorded regularly in our 8–10 week old nale breeding stock. Our SHR's are continuously brother-sister mated and monitored to assure you a constant supply of

taneously hypertensive rats. And to further eliminate s which may affect the accuracy of your findings, Charles River SHR rats are also available Virus Antibody Free (VAF®), which offers you the valuable certainty that all of our VAF® animals have received continuous genetic and health monitoring and have been found free of adventitious virus infection. All that adds up to lower blood pressure for the researcher too.

When your efforts to control hypertension demand the highest defined quality research animals available in the world today, specify Charles River COBS/VAF® SHR hypertensive inbred albino rats. Relax. And let us help take the pressure off. Call 1-800-LAB-RATS. Or write Charles River Laboratories, Inc., 251 Ballardvale Street, Wilmington, MA 01887.



THE INTERNATIONAL STANDARD A Bausch & Lomb Company

