

DBB

# MOLECULAR PHARMACOLOGY

AN INTERNATIONAL JOURNAL

VOLUME 41  
NUMBER 1  
JANUARY 1992

FOUNDED BY AVRAM GOLDSTEIN-1965

ASPET

A PUBLICATION OF THE AMERICAN SOCIETY FOR  
PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS



Published by Williams & Wilkins

# Leading Pharmacology Journals

Publications of the American Society for Pharmacology and Experimental Therapeutics, Inc.

## The Journal of Pharmacology and Experimental Therapeutics

Editor: John A. Harvey, Ph.D.

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, behavioral, cardiovascular, cellular, clinical, developmental, gastrointestinal, immuno-, neuro-, pulmonary, and renal pharmacology, as well as analgesics, drug abuse, metabolism and disposition, chemotherapy, and toxicology. *Monthly*

## Drug Metabolism and Disposition: the biological fate of chemicals

Editor: Vincent G. Zannoni, Ph.D.

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. The areas covered are: pharmacokinetics, pharmacodynamics and mechanisms, genetic, nutritional, or hormonal factors affecting the biological fate of chemicals, toxicological consequences of xenobiotic metabolism. *Bimonthly*

## Pharmacological Reviews

Editor: Robert E. Stitzel, Ph.D.

Pharmacological Reviews is a showcase for important review articles in your field, featuring longer papers on topics of high current interest. The areas covered in review papers have included biochemical and cellular pharmacology, drug metabolism and disposition, renal pharmacology, neuropharmacology, behavioral pharmacology, clinical pharmacology, and toxicology. No library serving the pharmacologic community should be without a subscription. *Quarterly*

## Molecular Pharmacology

Editor: T. Kendall Harden, Ph.D.

The papers published 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. *Monthly*

**Yes!** Enter my subscription(s) to the following:

**The Journal of Pharmacology & Experimental Therapeutics (monthly)**

- Individual \$180/yr       Institutional \$310/yr  
(Please add \$65/yr outside the US; in Canada, also add 7% GST.)  
 New Subscription       Renewal  
 3 yrs       2 yrs       1 yr

**Drug Metabolism and Disposition (bimonthly)**

- Individual \$80/yr       Institutional \$130/yr  
(Please add \$20/yr outside the US; in Canada, also add 7% GST.)  
 New Subscription       Renewal  
 3 yrs       2 yrs       1 yr

**Molecular Pharmacology (monthly)**

- Individual \$100/yr       Institutional \$210/yr  
(Please add \$30/yr outside the US; in Canada, also add 7% GST.)  
 New Subscription       Renewal  
 3 yrs       2 yrs       1 yr

**Pharmacology Reviews (quarterly)**

- Individual \$55/yr       Institutional \$98/yr       In-training \$40/yr  
(Please add \$15/yr outside the US; in Canada, also add 7% GST.)  
 New Subscription       Renewal  
 3 yrs       2 yrs       1 yr

Payment options:

- Check enclosed (payable to Williams & Wilkins)       Bill me  
 VISA       MasterCard       American Express

Card # \_\_\_\_\_ Exp. date \_\_\_\_\_

Signature \_\_\_\_\_

MD subscribers, add 5% sales tax. CA subscribers, add 8% sales tax. Subscriptions outside the US must be prepaid in US dollars only. Rates valid until October 31, 1992. Please allow 10 weeks for delivery of first issue. Surface mail delivery to countries outside US may take 16 weeks. Airmail rates available upon request.

Name \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Return coupon to:

Williams & Wilkins  
P.O. Box 23291  
Baltimore, MD 21203-0999

ASP 53531

J2002S02

Mail in this coupon or call  
toll-free 1-800-638-6423  
(from anywhere in US or Canada)

Discounts available to members on all ASPET publications.

SAVE 10% when ordering two  
SAVE 15% when ordering three  
SAVE 20% when ordering all four

Broad coverage of pharmacology  
in a prestigious journal

# THE JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS

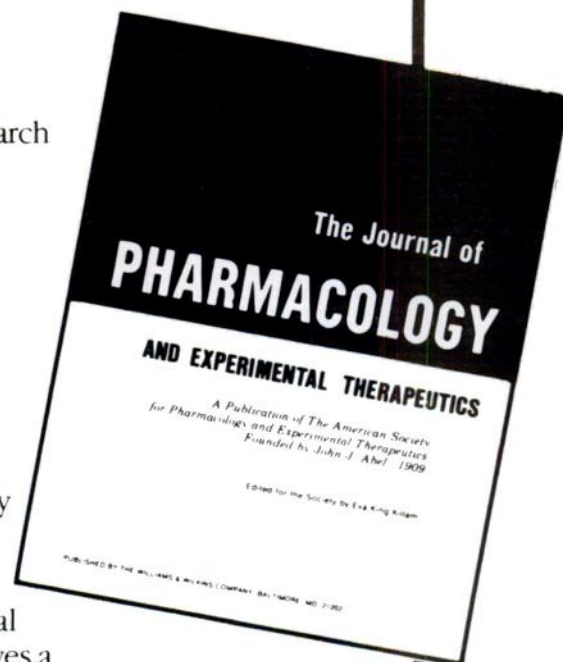
Editor: **John Harvey, PhD**, The Medical College  
of Pennsylvania

**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**



## YES! Enter my subscription:

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

### The Journal of Pharmacology and Experimental Therapeutics (monthly)

- Individual: \$180/yr    Institutions: \$310/yr  
(Please add \$65 outside the U.S.; in Canada, also add 7% GST.)  
 New Subscription    Renewal    3 yrs    2 yrs    1 yr

name \_\_\_\_\_

address \_\_\_\_\_

city state zip \_\_\_\_\_

#### Payment options:

- Check enclosed    Bill me  
 VISA    MasterCard    American Express

card # \_\_\_\_\_

signature/P.O.# \_\_\_\_\_

MD residents, please add 5% sales tax. CA residents, please add 8% sales tax. Subscriptions from outside the US and Canada must be prepaid, in US dollars only. Rates valid for orders received before October 31, 1992.

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.

**Williams & Wilkins**

PT 53432

P.O. Box 23291  
Baltimore, Maryland 21203-9990

Broadway House  
2-6 Fulham Broadway  
London SW6 1AA England

J2020S01



One of the top ranking journals in the field  
**PHARMACOLOGICAL REVIEWS**

Official Publication of the American Society for  
Pharmacology and Experimental Therapeutics, Inc.

Robert E. Stitzel, PhD, Editor  
West Virginia University Medical Center

**PHARMACOLOGICAL REVIEWS** is a showcase for important review articles in your field, featuring longer papers on topics of high current interest. Recent articles include:

**The Physiology and Pharmacology of Corticotropin-Releasing Factor**

M.J. OWENS and C.B. NEMEROFF

**Structure and Function of Alpha-Adrenoceptors**

R. RUGGOLO

**Serotonin and Neuropsychiatric Disorders: Implications for the Development of New Psychotherapeutic Agents**

CAROLE WILMOT

**PHARMACOLOGICAL REVIEWS** continues to publish the important, longer papers of interest to pharmacologists, physiologists, toxicologists, and biological chemists. No library serving the pharmacologist should be without a subscription.

To subscribe to **PHARMACOLOGICAL REVIEWS**, use the coupon below. Or for even faster service — CALL TOLL-FREE 1-800-638-6423 from anywhere in the U.S. or Canada.

**Yes**, enter my subscription to **Pharmacological Reviews**. (Quarterly)

- Individual \$55/year  
 Institutional \$98/year  
 In-training\* \$40/year

\*Institution/status \_\_\_\_\_  
(Add \$15 outside U.S.)

Avoid future rate increases and ensure uninterrupted service, enter your subscription for:

- 3 years     2 years     1 year  
 New subscription     Renewal

Name \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

**Payment options:**

- Check enclosed (payable to Williams & Wilkins)  
 Bill me     Charge:  American Express  
 MasterCard     VISA

Card # \_\_\_\_\_ Exp. date \_\_\_\_\_

Signature or P.O. # \_\_\_\_\_

Maryland subscribers, please add 5% sales tax. California subscribers, please add 8% sales tax. Canadian subscribers, please add 7% GST. Subscriptions from outside the U.S. must be prepaid in U.S. dollars only. Rates valid until October 31, 1992. Please allow 10 weeks for delivery of your first issue. Surface mail to countries outside the U.S. may take up to 16 weeks. Airmail rates available upon request.



Williams & Wilkins  
P.O. Box 23291  
Baltimore, MD 21203-9990  
Broadway House  
2-6 Fulham Broadway  
London SW6 1AA England

Return order form to Williams & Wilkins, or call toll-free 1-800-638-6423 from anywhere in the U.S. or Canada.