PHARMACOLOGICAL REVIEWS

James A. Hewett and Robert A. Roth
HEPATIC AND EXTRAHEPATIC PATHOBIOLOGY OF BACTERIAL LIPOPOLYSACCHARIDES .......... 381

Harry V. Gelboin
CYTOCHROME P450 AND MONOClonAL ANTIBODIES ........................................... 413

Madhu B. Anand-Srivastava and George J. Trachte
ATRIAL NATRIURETIC FACTOR RECEPTORS AND SIGNAL TRANSDUCTION MECHANISMS .......... 455

Volume Contents and Index .............................................. 499

Published by Williams & Wilkins
PHARMACOLOGICAL REVIEWS

INFORMATION FOR SUBSCRIBERS

PHARMACOLOGICAL REVIEWS (PT/S/ISSN 0031-6997) is an official publication of The American Society for Pharmacology and Experimental Therapeutics and is published by Williams & Wilkins, 428 E. Preston St., Baltimore, MD 21202-3993. Second class postage paid at Baltimore, MD, and at additional mailing offices. POSTMASTER: Send address changes to PHARMACOLOGICAL REVIEWS, 428 E. Preston St., Baltimore, MD 21202-3993.

Frequency: Quarterly: One volume a year beginning in March.

Correspondence concerning business matters should be addressed to: Customer Service, Subscriptions, Williams & Wilkins, 428 E. Preston St, Baltimore, MD 21202-3993. Telephone 1-800-638-6423 from anywhere in the U.S. and Canada. From other countries, call (410) 528-8555. Fax: (410) 528-8596.

Correspondence regarding editorial matters should be addressed to the Editor: Robert E. Stitzel, Ph.D., Department of Pharmacology & Toxicology, West Virginia University Medical Center, Morgantown, WV 26506. Telephone: (304) 293-4449 Fax: (304) 293-6854.

For information on Society membership, contact: The American Society for Pharmacology and Experimental Therapeutics, 9650 Rockville Pike, Bethesda, MD 20814. Telephone: (301) 530-7060 Fax: (301) 530-7061.

Instructions to Authors appear in every issue.

Annual Subscription Rates: U.S.: Personal $60.00; Institutional $107.00; Single copy $28.00. Outside the U.S., except for Japan: Personal $75.00; Institutional $122.00; Single copy $32.00.

Special in-training rate of $45.00 ($60.00 outside the U.S.) per year is available to residents, interns, and students for a period of 3 years. When requesting this rate, please indicate training status and name of institution. This special in-training rate can be extended to all participants in 4-year training programs, provided that sufficient proof of training status is supplied.

Institutional (multiple reader) rate applies to libraries, schools, hospitals, clinics, group practices, and federal, commercial, and private institutions and organizations.

For Japanese rates, please contact: Igaku-Shoin MYW Ltd., 3-23-14 Hongo, Bunkyo-Ku, Tokyo 113, JAPAN. Telephone: (03) 5689-5400 or 5401. Fax: (03) 5689-5402.

PRICES ARE SUBJECT TO CHANGE.

The GST number for Canadian subscribers is 123394371. Country of origin USA.

New subscriptions received before May 1 of each year will begin with the first issue of the year. Subscriptions received between May 1 and October 31 will start with the mid-year issue (September). Subscriptions received after October 31 will start with the first issue of the following year. Subscriptions may start with any current volume's issue upon request.

Renewals should be done promptly to avoid a break in journal delivery. The Publisher cannot guarantee to supply back issues on late renewals.

Change of address: The publisher must be notified 60 days in advance. Journals undeliverable because of incorrect address will be destroyed. Duplicate copies may be obtained, if available, from the Publisher at the regular price of a single issue. Send address changes to PHARMACOLOGICAL REVIEWS, 428 East Preston St, Baltimore, MD 21202-3993. If a member, please contact the Society with your change.

Reprints of individual articles are available only from authors.

Reprints in large quantities, for commercial or academic use, may be purchased from the Publisher. For information and prices call (410) 528-5580.

Microfilm and Microfiche: Prices are available upon request. Microfilm editions may be ordered from Williams & Wilkins.

The Journal subscription list is available for rental on a controlled basis from Williams & Wilkins. All promotional literature must be approved in advance.

Disclaimer: The statements and opinions contained in the articles of PHARMACOLOGICAL REVIEWS are solely those of the individual authors and contributors and not of The American Society for Pharmacology and Experimental Therapeutics or Williams & Wilkins. The appearance of advertisements in the Journal is not a warranty, endorsement, or approval of the products or safety. The American Society for Pharmacology and Experimental Therapeutics and the Publisher disclaim responsibility for any injury to persons or property resulting from any ideas or products referred to in the articles or advertisements.

Volume index appears in the December issue.

Indexing/Abstracting Services: The Journal is currently included by the following services in print and/or electronic format: Index Medicus, Current Contents (Life Sciences, Index to Scientific Reviews, Science Citation Index, Research Alert [personalized search service], ISI/BioMed on-line database], Excerpta Medica, Biosciences Information Service, and Reference Update/Research Information Systems.

Copyright Information: PHARMACOLOGICAL REVIEWS is copyright by the American Society for Pharmacology and Experimental Therapeutics. No portion(s) of the work(s) may be reproduced without written consent from Williams & Wilkins. Permission to reproduce copies of articles for non-commercial use may be obtained from the Copyright Clearance Center, 22 Rosewood Drive, Danvers, MA 01923, with a fee of $3.00 per copy.

Copyright © 1993 by The American Society for Pharmacology and Experimental Therapeutics.