

PHARMACOLOGICAL REVIEWS

A Publication of the American Society for Pharmacology and Experimental Therapeutics

Louis S. Goodman, Founding Editor, 1949

David R. Sibley, *Editor*

ASSOCIATE EDITORS

Stephen P. Alexander
Nottingham, United Kingdom
Dan Ingemar Andersson
Uppsala, Sweden
Eric Barker
West Lafayette, Indiana
MacDonald J. Christie
Sydney, Australia
Arthur Christopoulos
Clayton, Australia
Lynette Daws
San Antonio, Texas
Annette Dolphin
London, United Kingdom
Timothy Esbenshade
Abbott Park, Illinois
Bertil Fredholm
Stockholm, Sweden

Christopher J. Garland
Oxford, United Kingdom
Michael Gottesman
Bethesda, Maryland
Paul A. Insel
La Jolla, California
Yoshihiro Ishikawa
Yokohama, Japan
Markku Koulu
Turku, Finland
Finn Olav Levy
Oslo, Norway
Dan L. Longo
Baltimore, Maryland

Qiang Ma
Morgantown, West Virginia
Mark P. Mattson
Baltimore, Maryland
Martin Michel
Ingelheim, Germany
A. Leslie Morrow
Chapel Hill, North Carolina
Michael Nader
Winston-Salem, North Carolina
Eliot Ohlstein
Glenmore, Pennsylvania
Clive Page
London, United Kingdom

Dianne Perez
Cleveland, Ohio
Michael G. Rosenblum
Houston, Texas
Theresa Shapiro
Baltimore, Maryland
Burt Sharp
Memphis, Tennessee
Ulf Simonsen
Trige, Denmark
Rhian M. Touyz
Glasgow, United Kingdom
Jeffrey M. Witkin
Indianapolis, Indiana

ASPET BOARD OF PUBLICATIONS TRUSTEES

Mary Vore, *Chair*; Randy A. Hall, Michael F. Jarvis, Kathryn E. Meier, Edward T. Morgan, Kim A. Neve, David R. Sibley, Stephen F. Traynelis, Jeffrey M. Witkin, and Judith A. Siuciak, *ex officio*

ASPET EXECUTIVE OFFICER: Judith A. Siuciak

JOURNALS DIRECTOR: Richard Dodenhoff

PEER REVIEW MANAGER: Dianne King-McGavin

Editorial supervision of *Pharmacological Reviews* is shared jointly with the **British Pharmacological Society** and the **Scandinavian Pharmacological Societies**.

Pharmacological Reviews (ISSN 1521-0081) is published quarterly in January, April, July, and October online only by the American Society for Pharmacology and Experimental Therapeutics, 9650 Rockville Pike, Bethesda, MD 20814-3995. E-mail: subscriptions@aspet.org. ASPET web site: aspet.org. Journal web site: pharmrev.aspetjournals.org. Subscription rates at aspetjournals.org/site/subscriptions/index.xhtml. GST Tax Number for Canadian subscribers: BN:13489 2330 RT.

Indexed or abstracted by: *Biological Abstracts*, *BIOSIS Previews Database*, *Biosciences Information Service*, *Current Contents®/Life Sciences*, *EMBASE/Excerpta Medica*, *Index Medicus*, *Index to Scientific Reviews®*, *Medical Documentation Service®*, *Reference Update®*, *Research Alerts®*, *Science Citation Index®*, and *SciSearch®*.

Journal and ASPET office: 9650 Rockville Pike, Bethesda, MD 20814-3995. Telephone: 301-634-7060. Fax: 301-634-7061. E-mail: info@aspet.org. ASPET web site: aspet.org. Journal web site: pharmrev.aspetjournals.org.

Editorial matters should be addressed to Dr. David R. Sibley, Editor, *Pharmacological Reviews*, at the above address.

Instructions to Authors: See pharmrev.aspetjournals.org for the Instructions to Authors and the ASPET Copyright Transfer and Authorship Responsibility, Financial Disclosure, and Chemical Structure Statement forms.

Subscriptions: Contact the ASPET Subscriptions Dept., 9650 Rockville Pike, Bethesda, MD 20814-3995. Telephone: 301-634-7782. Fax: 301-634-7061. E-mail: subscriptions@aspet.org. See aspetjournals.org/site/subscriptions/index.xhtml for rates.

Change of IP addresses: ASPET will help institutional subscription administrators update IP address ranges as requested. Subscription administrators can make these changes at the journal site using their account user name and password.

Reprints of individual articles are available from the journal web site using the pay-per-view option for nonsubscribers.

Reprints in large quantities for commercial or academic use may be purchased from ASPET. For information and prices, call 301-634-7063.

Copyright information: *Pharmacological Reviews* is copyrighted by the American Society for Pharmacology and Experimental Therapeutics. For permission to photocopy entire articles from *Pharmacological Reviews*, see www.copyright.com or contact the Copyright Clearance Center (CCC), Inc., 222 Rosewood Dr., Danvers, MA 01923. Telephone: 978-750-8400. For permission to reprint portions of articles such as figures and tables or to reprint entire articles in a thesis or dissertation, see www.aspet.org/webforms.aspx?ekfrm=84. Photocopying or printing articles beyond that permitted by Sections 107 and 108 of the U.S. Copyright Law is allowed, provided that the \$25.00-per-copy fee is paid through the CCC. Classroom photocopying is permitted at no fee, provided that students are not charged more than the cost of duplication. This consent does not extend to other kinds of copying. Reproduction of any portion of an article for subsequent republication requires permission of ASPET.

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. The appearance of advertisements in the journal is not a warranty, endorsement, or approval of the products or their safety. The American Society for Pharmacology and Experimental Therapeutics disclaims responsibility for any injury to persons or property resulting from any ideas or products referred to in any article or advertisement.

Copyright © 2014 by the American Society for Pharmacology and Experimental Therapeutics. All rights reserved.