Molecular Pharmacology
A Publication of the American Society for Pharmacology and Experimental Therapeutics
Founded by Avram Goldstein—1965

P. Jeffrey Conn, Editor

ASSOCIATE EDITORS
Paul Dent, Alfred L. George, Steven Grant, Lee M. Graves, Richard B. Kim, Dianne M. Perez, Hugh Rosen, Stephen F. Traynelis, Laura M. Bohn, Minireview Editor

EDITORIAL AND ADVISORY BOARD

Myles Akabas  Frederick J. Ehler  Marcelo Kazanietz  James McCubrey  Roland Reinehr
Giuseppe Battaglia  Yoshiaki Fuji-Kuriyama  Herman Koepsell  Kathryn E. Meier  Des Richardson
Jeffrey L. Benovic  Ulrik Gether  Rakesh Kukreja  Martin Michel  Michael Robinson
Nigel J.M. Birdsall  Robert I. Glazer  Ping-Yee Law  Laurence Miller  Michael A. Rogawski
Randy D. Blakely  Catherine Godson  L.M. Fredric Leeb-Lundberg  Graeme Milligan  Elliott M. Ross
Julie Blendy  Frank J. Gonzalez  Lian Li  Neil M. Nathanson  Bryan L. Roth
Kendall J. Blumer  Michael M. Gottesman  Henry Lester  Richard R. Neubig  Carol A. Rouzer
Michel Bouvier  Robert M. Graham  Robert A. Neve  Kim A. Neve  Arnold E. Ruoho
Thomas P. Burris  Jennifer R. Grandis  Stephen B. Liggett  Robert A. Nicholas  David R. Sibley
William A. Catterall  Randy Hall  Thomas M. Lincoln  Sanjay K. Nigam  Jill Siegfried
Srikumar Chellappan  R. Adron Harris  Richard B. Lock  R. Alan North  Shivendra V. Singh
Arthur Christopoulos  John R. Hepler  Sophie Lotersztajn  Robert E. Oswald  Alan Smrcak
Richard B. Clark  Peter J. Houghton  Peter MacKenzie  Krzysztof Palczewski  David J. Waxman
Phillip A. Dennis  Kenneth A. Jacobson  Sridhar Mani  Gavril W. Pasternak  Jurgen Wess
David L. Dewitt  Andrew Jenkins  David Manning  Tarun Patel  Michael M. White
George Dubyak  Eric F. Johnson  Donald H. Maurice  Jean-Philippe Pin  Keith Williams
Ronald S. Duman  Peter Kalivas  Andrew McCammon  Alvaro Puga  Richard D. Ye

BOARD OF PUBLICATIONS TRUSTEES

James E. Barrett, Chair; P. Jeffrey Conn, Randy A. Hall, Michael F. Jarvis, Eric F. Johnson, Kathryn E. Meier, Kim A. Neve, David R. Sibley, Mary Vore, and Jeffrey M. Witkin

ASPET EXECUTIVE OFFICER: Christine K. Carrico

Journals Director: Richard Dodenhoff  Managing Editor: Jill Filler  Editorial Coordinator: Mary Blackwood

Journal and ASPET office: 9650 Rockville Pike, Bethesda, MD 20814-3995; telephone: 301-634-7060; fax: 301-634-7061; email: info@aspet.org; web site: www.aspet.org; journal web site: molpharm.aspetjournals.org.

Editorial matters should be addressed to Dr. P. Jeffrey Conn, Editor, Molecular Pharmacology, at the above address.

Official version: The online version of Molecular Pharmacology contains all of the information and material contained in the print version plus additional material that may not appear in print such as videos and large data sets. The online version may be more current than the print version. Where noted, the online version has been corrected in departure from the print version. The online version of Molecular Pharmacology officially published by the American Society for Pharmacology and Experimental Therapeutics is the definitive version and, to the extent any difference exists, will prevail over the print version.

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

Subscriptions: Contact the ASPET Subscriptions Dept., 9650 Rockville Pike, Bethesda, MD 20814-3995; telephone: 301-634-7782; fax: 301-634-7061; email: subscriptions@aspet.org. For multi-site and consortia sales in Europe, contact: David Charles, eLicensing, 92 avenue du Général de Gaulle, 78600, Maisons-Laffitte, France; telephone: +33-1-39-12-29-29; fax: +33-1-39-12-47-45; email: dc.elicensing@orange.fr.

Change of address: ASPET must be notified 60 days in advance. Copies undeliverable because of incorrect address will be destroyed. Duplicate copies may be obtained, if available, from ASPET at the single copy price. Send address changes to the ASPET office.

Issue replacement policy: Domestic subscribers—Claims for non-delivery of issues must be made within three (3) months of issue mail date. Foreign subscribers—Claims for non-delivery of issues must be made within six (6) months of issue mail date. Missing Issues (domestic and foreign)—ASPET will not honor refunds or replacement requests made outside of the claim time period. Up to two (2) issues will be replaced free of charge per subscription year.

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

Copyright information: Molecular Pharmacology is copyrighted by the American Society for Pharmacology and Experimental Therapeutics. For permission to photocopy or use material electronically from Molecular Pharmacology, see www.copyright.com or contact the Copyright Clearance Center (CCC), Inc., 222 Rosewood Dr., Danvers, MA 01923; telephone: 978-750-8400. Photocopying of 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. Write to the ASPET office at the above address. Requests should include a statement of intended use as well as explicit specifications of the materials to be reproduced.

Disclaimer: The statements and opinions contained in the articles of Molecular Pharmacology 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 © 2011 by the American Society for Pharmacology and Experimental Therapeutics. All rights reserved. Printed in the U.S.A.