

Physiological Reviews

Editor: S. L. Hamilton

Associate Editor: M. B. Reid

Department of Molecular Physiology and Biophysics
Baylor College of Medicine
Houston, TX 77030

Editorial Board

R. W. Aldrich
M. Bond
M. Cahalan
W. W. Chin
A. W. Cowley, Jr.
R. Nicoll
J. R. Wright

Society Representatives

P. F. Pilch
*American Society for Biochemistry
and Molecular Biology*
D. C. Gadsby
Society for General Physiologists
E. Marder
Society for Neuroscience
E. Rios
Biophysical Society
N. J. Benevenga
*American Society for
Nutritional Science*
J. Sanes
American Society for Cell Biology

Publications Committee

D. J. Benos, *Chair*
P. A. Hansen
M. A. Knepper
H. Raff
E. D. Rannels

European Editorial Committee

O. Petersen, *Chairman*
Department of Physiology
University of Liverpool
Liverpool L69 3BX, United Kingdom

M. Jeannerod, *France*
A. Konnerth, *Germany*
J. Lopez-Barneo, *Spain*
J. Rehfeld, *Denmark*
B. Rossier, *Switzerland*
L. Snoeckx, *Netherlands*
E. Sykova, *Czech Republic*
C. Wollheim, *Switzerland*

Associate Members

S. Tripathi, *India*

Corresponding Members

D. Cook, *Australia-New Zealand*
G. Malnic, *Latin America*
Y. Kidokoro, *Japan*

Ex officio

M. Reich, *Director of Publications
and Executive Editor*
J. A. Williams, *President*
M. Frank, *Executive Director*

Physiological Reviews (ISSN 0031-9333) is published quarterly (January, April, July, October) by the American Physiological Society, 9650 Rockville Pike, Bethesda, MD 20814-3991 and online at www.prv.org (ISSN 1522-1210). Phone: 301-530-7070 FAX: 301-634-7243

E-mail: info@the-aps.org

Subscriptions: (prepaid) Institutions (print and online): US \$365, Canada & Mexico \$385, elsewhere \$405.

Institutions (online only): \$300. Institutions (print only):

US \$350, Canada & Mexico \$370, elsewhere \$390.

Nonmember individual (print and online): US \$250,

Canada & Mexico \$270, elsewhere \$290. Nonmember

individual (online only): \$200. Nonmember individual

(print only): US \$230, Canada & Mexico \$250,

elsewhere \$270. APS members (print and online): US

\$105, Canada & Mexico \$125, elsewhere \$145. Payable

in US currency only. Japanese yen price available from

USACO Corp., 17-12 Higashi-Azabu 2-Chome,

Minato-Ku, Tokyo 106-0044, Japan. Subscriptions

accepted on a calendar-year basis only. *Single copies/*

back issues: \$90 prepaid. Periodicals postage paid at

Bethesda, MD and at additional mailing offices.

Subscriptions and orders to: Physiological Reviews,

9650 Rockville Pike, Bethesda, MD 20814-3991.

Phone: 301-530-7180.

Postmaster: Send address changes to Physiological

Reviews, 9650 Rockville Pike, Bethesda, MD 20814-

3991.

Change of Address: Please allow at least six weeks

and include both the old and new address. Undelivered

copies resulting from an address change will not be

replaced.

Copyright © 2003 by the American Physiological

Society. Printed in the United States of America by

Cadmus Professional Communications—Ephrata

Division, Ephrata, PA 17522. Code at the bottom of

the first page of an article indicates copyright owner's

consent that copies may be made beyond that permitted

by sections 107 and 108 of the US Copyright Law,

unless copies are for general distribution, advertising,

creating new works, or resale, provided the per-copy

fee is paid through the Copyright Clearance Center,

Inc., 222 Rosewood Drive, Danvers, MA 01923,

USA. 0031-9333/03 \$15.00

Editor

S. L. Hamilton: Phone: 713-798-5704

FAX: 713-798-5441

E-mail: susanh@bcm.tmc.edu

Director of Publications/Executive Editor

Margaret Reich: 301-530-7071

Editorial Manager

Anna Trudgett: 301-530-7072

Accepted Manuscripts

Gilbert Ebner: 301-571-0610

Journal Copy Editor (Manuscripts in Production)

Maria Kuhrmann: 301-530-7070

Computer/Technical Liaison

301-530-7005