

Physiological Genomics

Editor-in-Chief: ANDREW S. GREENE

Consulting Editors:

ALLEN COWLEY, JR.
VICTOR J. DZAU (Founding Editor)
HOWARD JACOB
RICHARD P. LIFTON
ROBERT ROSENBERG
LEN I. ZON

Associate Editors:

BRUCE ARONOW
JULIAN DOW
ANNE KWITEK
MINGYU LIANG

AOY MITCHELL
MAUREEN NEITZ
MICHAEL OLIVIER
RICHARD S. PAULES

LINDA SAMUELSON
CHANDAN K. SEN
SIMON N. TWIGGER

Editorial Board:

H. ABURATANI
W. AIRD
T. AITMAN
F. BAAS
D. BEARD
F. BOOTH
C. A. R. BOYD
S. L. BRITTON
U. BROECKEL
B. BROWNSTEIN
R. DAVISSON
A. DOMINICZAK
M. FISHMAN
S. GAMBHIR
J. GARCIA

M. R. GARRETT
M. GEORGES
J. R. GOLDENRING
K. GROSS
S. HARRAP
J. R. HAYWOOD
V. L. M. HERRERA
T. HUDSON
B. JOE
J. KRIEGER
J. KUNES
T. KURTZ
H. LEHRACH
H. LESTER
H. LEWIN

F. C. LUFT
D. L. MATTSON
H. McDEVITT
J. M. MIANO
M. MICHALKIEWICZ
L. L. MOLDAWER
C. MORENO-QUINN
J. MULLINS
M. NOBREGA
E. A. OSTRANDER
K. N. PANDEY
M. PRINTZ
A. RUT
C. SAPER
J. SASSARD

E. E. SCHADT
R. SCHWARTZ
T. SERIKAWA
J.-X. SHE
M. BENTO SOARES
K. STRANGE
Z. SUN
T. UNGER
P. D. WAGNER
J. WARING
S. J. WATSON
H. WEILER
M. J. WELSH
T. YADA
C. ZENG

Publications Committee

K. E. BARRETT, *Chair*
D. GUTTERMAN
T. LOHMEIER
H. RAYBOULD
C. SLADEK

Ex officio

R. SCHEMAN
*Director of Publications
and Executive Editor*
P. WAGNER, *President*
M. FRANK, *Executive Director*

M. L. GOODWIN
Editorial Manager
P. CHOE
Journal Copy Editor

Physiological Genomics (ISSN-1094-8341) is published by the American Physiological Society, 9650 Rockville Pike, Bethesda, MD 20814-3991. *Physiological Genomics* is published online first at <http://physiol-genomics.physiology.org> (ISSN-1531-2267). **Subscription Prices:** Institutions (print only): \$355 US; \$400 Canada & Mexico; \$405 elsewhere. Institutions (print and online): \$370 US; \$410 Canada & Mexico; \$415 elsewhere. Institutions (online only): \$310. Nonmember individuals (print only) \$240 US; \$285 Canada & Mexico; \$290 elsewhere. Nonmember individuals (print and online): \$245 US; \$290 Canada & Mexico; \$295 elsewhere. Nonmember individuals (online only): \$205. APS members (print and online): \$120 US; \$165 Canada & Mexico; \$170 elsewhere. Subscriptions from outside the United States are payable in US currency or full equivalent. Subscriptions are accepted on a calendar-

year basis only. *Single copies and back issues, when available:* Subscriber, \$45 each; Nonsubscriber \$95 each. Periodicals postage paid at Bethesda, MD, and at additional mailing offices. POSTMASTER: Send address changes to *Physiological Genomics*, 9650 Rockville Pike, Bethesda, MD 20814-3991.

Copyright © 2010 by the American Physiological Society. Printed in the United States of America by Cadmus Communications—Lancaster Division, Lancaster, PA 17601. The code at the bottom of the first page of an article indicates the copyright owner's consent that copies of that article may be made beyond that permitted by sections 107 and 108 of the US Copyright Law—unless the copies are for general distribution, for advertising, for creating new works, or for resale—provided the per-copy fee is paid through the Copyright Clearance Center, Inc., 222 Rosewood Dr., Danvers, MA 01923.

Change of Address: The Journal must be advised of a change of address at least 6 weeks prior to date of issue, with both the subscriber's old and new address given. Undelivered copies resulting from address change will not be replaced.

Editorial and Business Correspondence: *Physiological Genomics*, 9650 Rockville Pike, Bethesda, MD 20814-3991.

Disclaimer: The statements and opinions contained in the articles of *Physiological Genomics* are solely those of the individual authors and contributors and not of the American Physiological Society. The appearance of advertisements in the journal is not a warranty, endorsement, or approval of the products or their safety. The American Physiological Society disclaims responsibility for any injury to persons or property resulting from any ideas or products referred to in any article or advertisement.