

Advances in Physiology Education®

Editor: Douglas C. Curran-Everett

Deputy Editor: Jonathan D. Kibble

Associate Editors:

Robert G. Carroll
Lynn Eaton
Barbara E. Goodman

Mohammed Khalil
Jodie Krontiris-Litowitz
Kathy Ryan

Arif Siddiqui
Dee U. Silverthorn

Editorial Board:

Ahmed Badar
James B. Bassingthwaighe
Christy Boscardin
William H. Cliff
Elizabeth Davis
Van A. Doze
Terence Favero

Charlotte Haigh
Sarah Hall
Penny A. Hansen
Judy Harris
Christina Karatzaferi
Sara Kim
Phil Langton

Jennifer Lundmark
Bryan Mackenzie
Osamu Matsuo
Joel Michael
Harold I. Modell
Patangi K. Rangachari
Mary Anne Rokitka

Publications Committee

C. D. Sigmund, *Chair*
H. Raff, *Vice Chair*
P. A. Insel
A. A. McDonough
L. C. Samuelson
S. M. Wall
L. Wold

Ex officio

Jane F. Reckelhoff, *President*
Dennis Brown, *President Elect*
Patricia E. Molina, *Past President*
M. Frank, *Executive Director, APS*
R. Scheman, *Director of
Publications and Executive Editor*

Editorial Staff

Audra Cox, *Editorial Manager*
K. Pleet, *Journal Coordinator*

Advances in Physiology Education (ISSN 1043-4046) is published in print once a year and online (quarterly) at <http://advan.physiology.org> (ISSN 1522-1229) by the American Physiological Society, 9650 Rockville Pike, Bethesda, MD 20814-3991.

Subscription Prices (postpaid): Online subscriptions are available free to all, worldwide. Institutional print: \$100.00, US; \$120.00, elsewhere. Non-member individual print: \$65.00, US; \$85.00, elsewhere. Print for APS members is free. Online free to all worldwide. Subscriptions from outside the United States are payable in US currency or full equivalent. Subscriptions are accepted on a calendar-year basis only. POSTMASTER: Send address changes to *Advances in Physiology Education*, 9650 Rockville Pike, Bethesda, MD 20814-3991 and online at <http://advan.org>.

Advances in Physiology Education® is a registered trademark of the American Physiological Society.

Copyright © 2016 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. 1043-4046/07 \$8.00.

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: *Advances in Physiology Education*, 9650 Rockville Pike, Bethesda, MD 20814-3991.

Disclaimer: The statements and opinions contained in the articles of *Advances in Physiology Education* 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.