

# Biophysical Journal

## Editors

### Editor in Chief

Robert Callender

### Associate Editors

Barry R. Lentz  
Herbert Levine  
Eduardo Perozo  
Dagmar Ringe  
Anthony Watts

### Reviews Editor

Wilma Olson

Richard Aldrich

Paul Axelsen

Ivet Bahar

Francisco Bezanilla

J. Brad Chaires

Robert Chow

Jane Clarke

Kevin Costa

Gaudenz Danuser

Alberto Diaspro

Marileen Dogterom

Cristobal dos Remedios

R. Brian Dyer

Michael Edidin

Edward Egelman

David Eisner

Elliot Elson

Ron Elber

Feng Gai

Angel Garcia

Mark Girvin

Byron Goldstein

Enrico Gratton

Helmut Grubmüller

Marilyn Gunner

Kathleen Hall

Dorothy Hanck

Toshinori Hoshi

Tzyh-chang Hwang

Shi-nichi Ishiwata

Meyer Jackson

Peter Jordan

J. Antoinette Killian

Akihiro Kusumi

Janos Lanyi

## Editorial Board

Jennifer Linderman

Stuart M. Lindsay

Costas Maranas

Gerhard Marriott

Thomas McIntosh

David Millar

Alex Mogilner

Marcia Newcomer

Ruth Nussinov

José Onuchic

Arthur Palmer

Ian Parker

David W. Piston

Heinrich Roder

Tamar Schlick

Thomas Schmidt

Klaus Schulten

Steven D. Schwartz

Petra Schwille

Eugene I. Shakhnovich

Arthur Sherman

John Straub

Lukas Tamm

David D. Thomas

Peter Tieleman

Jill Trehwella

Anne Ulrich

Alexander van Oudenaarden

Gregory A. Voth

David Warshaw

Richard Waugh

David Weiss

Raimond Winslow

Jian Yang

Leepo Yu

Published semimonthly and edited by the Biophysical Society.

## Publications Committee

Robert Jernigan, *Chair*

Kathleen Hall

Eric Jakobsson

Diane M. Papazian

Andrew Joshua Wand

## Editorial Office

Dianne McGavin

*Publications Manager*

Lee Bien

*Publications Assistant/Staff Writer*

Emily Cilley

*Publications Assistant*

Rosemary Sachs

*Publications Assistant*

Alisha Yocum

*Publications Coordinator*

Melissa Pewett

*Advertising & Exhibits Coordinator*

## Copy Editing & Production

Todd Driscoll, *Production Editor*

Anne Degan, *Production Editor*

*Biophysical Journal* (ISSN 0006-3495) is published semimonthly plus an Abstracts Issue in January by the Biophysical Society, 9650 Rockville Pike, Bethesda, Maryland 20814-3998 for delivery in the USA at \$1116, Canada at \$1263 (Canadian GST no. 898477062), and for all other foreign countries at \$1181 per calendar year. Periodicals postage paid at Bethesda, MD and additional mailing offices.

**Postmaster:** Send address changes to *Biophysical Journal*. Order Service, Biophysical Society Office, 9650 Rockville Pike, Bethesda, MD 20814-3998.

Copyright © 2006 by the Biophysical Society. Printed in the United States of America.

## Subscriptions to *Biophysical Journal*

All members of the Biophysical Society receive *BJ Online* as a benefit of membership. Members may purchase print journal subscriptions for \$98 (US members), \$178 (Canadian members), and \$167 (foreign members). Nonmember subscriptions may be ordered through:

### Marketing & Sales Manager

Biophysical Society

9650 Rockville Pike

Bethesda, MD 20814

society@biophysics.org

Claims for nonreceipt of issues will be honored when received within 3 months of mailing for US subscribers, 6 months for foreign subscribers. Missing issue claims will only be honored when the shipping address is the end-user customer's address. Please allow 4-6 weeks for receipt and distribution of replacement issue. Contact the Marketing & Sales Manager for other restrictions. For a single issue the price is \$81.00 for US, and \$87.00 for all other foreign orders, payable in advance. Remittances should be made by draft or check drawn on US banks or by postal money order, payable to *Biophysical Journal*.

Inquiries about backfiles of the *Journal* in microfilm or microfiche should be addressed to University Microfilms, 300 North Zeeb Road, Ann Arbor, MI 48106. Back volumes 1-13 (1960-1973) are handled by AMS PRESS Inc., 56 East

13th Street, New York 10003; write directly to AMS for information about these issues. For information about other issues contact the Biophysical Society Office.

## Submission of Manuscripts

Submit manuscripts online to:

<http://submit.biophysj.org/>

or mail to:

*Biophysical Journal*

Robert Callender, Editor

9650 Rockville Pike

Bethesda, MD 20814

Phone: 301-634-7255; Fax: 301-634-7267

E-mail: [bj@biophysics.org](mailto:bj@biophysics.org)

Information for Authors is available online at <http://www.biophysj.org/misc/ifora.shtml>

## Copyright

Individuals may make a single copy of an article in this publication for personal use. Instructors at educational institutions may make copies of articles for classroom use, provided that students are not charged more than the cost of duplication. For other purposes, the copier must pay the per-copy fee of \$2.00 per article through the Copyright Clearance Center Inc., 222 Rosewood Dr., Danvers, MA 01923, a nonprofit organization. This consent does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. Reproduction for commercial use requires permission of the copyright holder. Authors retain the use of their published articles as long as *Biophysical Journal* is referenced. Visit <http://www.biophysics.org/publications/Guidelines.pdf> for guidelines for submitting, publishing and reviewing in *Biophysical Journal*.