

VOLUME 45 NUMBER 3 AUGUST 2012

QUARTERLY REVIEWS OF

Biophysics

Biophysics
Biophysics
Biophysics

A review journal of biological function, structure and mechanism

CAMBRIDGE
UNIVERSITY PRESS

EDITORS

BENGT NORDÉN

Department of Chemistry and Bioscience, Chalmers University of Technology, SE-412 96 Gothenburg, Sweden

WAH CHIU

National Center for Macromolecular Imaging, Baylor College of Medicine, One Baylor Plaza, MS BCM125, Houston, TX 77030, USA

GERALD F. JOYCE

Departments of Chemistry and Molecular Biology, The Scripps Research Institute, 10550 North Torrey Pines Road, La Jolla, CA 92037, USA

ROGER KORNBERG

Stanford University Medical School, Department of Structural Biology, Fairchild Building, 1st floor, 299 Campus Drive, Stanford, CA 94305-5126, USA

ANDREW G. W. LESLIE FRS

MRC Laboratory of Molecular Biology, Hills Road, Cambridge CB2 2 QH, UK

DAVID M. J. LILLEY FRS

MSI/WTB Complex, University of Dundee, Dow Street, Dundee DD1 5EH, UK

RODERICK MACKINNON

Laboratory of Molecular Neurobiology and Biophysics, The Rockefeller University, 1230 York Avenue, New York, NY 10021, USA

J. ANDREW MCCAMMON

Department of Chemistry and Biochemistry, University of California at San Diego, 9500 Gilman Drive, MC0332, La Jolla, CA 92093-0332, USA

SUSAN TAYLOR

Howard Hughes Medical Institute, Department of Chemistry and Biochemistry, Department of Pharmacology, University of California, San Diego, 9500 Gilman Dr. CMM W 125, La Jolla, CA 92093-0654, USA

ROGER Y. TSIEN

Department of Pharmacology, Department of Chemistry & Biochemistry, University of California, San Diego, 9500 Gilman Dr. CMM West 310, La Jolla, CA 92093-0647, USA

Quarterly Reviews of Biophysics Editorial Office: Professor Bengt Nordén and Editorial Assistant, Anna Molander, Department of Chemistry and Bioscience, Chalmers University of Technology, SE-41296 Gothenburg, Sweden. E-mails: norden@chalmers.se and anna.molander@chalmers.se.

Quarterly Reviews of Biophysics' primary aim is to provide a forum for general and specialized communication between biophysicists working in different areas. This will normally be achieved by inviting authors who have made significant contributions to give a critical and readable account of recent progress in their special fields. Shorter and even controversial articles discussing topics of particular current interest will also be published. Suggestions for reviews can be made to the editors who will provide Instructions for Contributors for the preparation of a manuscript.

Quarterly Reviews of Biophysics (ISSN 0033-5835) is published four times a year in February, May, August and November.

Subscription Rates for Volume 45 2012: Institutional print and online: US \$795 in USA, Canada, and Mexico; UK £445 + VAT elsewhere; Institutions online only: US \$662 in USA, Canada, and Mexico; UK £373 + VAT elsewhere; Institutions print only: US \$707 in USA, Canada, and Mexico; UK £395 + VAT elsewhere; Individuals print and online: US \$292 in USA, Canada, and Mexico; UK £152 + VAT elsewhere; Individual print only: US \$254 in USA, Canada, and Mexico; UK £142 + VAT elsewhere; Single parts available in print only: US \$193 in USA, Canada, and Mexico; UK £108 + VAT elsewhere. Japanese prices for institutions are available from Kinokuniya Company Ltd, P.O. Box 55, Chitose, Tokyo 156, Japan. Orders, which must be accompanied by payment, may be sent to a bookseller, subscription agent or direct to the publishers: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU, UK. Orders from the USA, Canada and Mexico should be sent to Cambridge University Press, Journals Fulfillment Department, 100 Brook Hill Drive, West Nyack, New York 10994-2133.

Periodicals postage paid at New York, NY, and at additional mailing offices. POSTMASTER: send address changes in the USA, Canada and Mexico to *Quarterly Reviews of Biophysics*, Cambridge University Press, 100 Brook Hill Drive, West Nyack, New York 10994-2133.

Information on *Quarterly Reviews of Biophysics* and all other Cambridge journals can be accessed via www.journals.cambridge.org. For further information on other Press titles access www.cambridge.org.

© Cambridge University Press 2012

Printed in the United States of America