

VOLUME 42 NUMBER 4 NOVEMBER 2009

QUARTERLY REVIEWS OF

Biophysics

Biophysics

Biophysics

Biophysics

A review journal of biological function, structure and mechanism

CAMBRIDGE
UNIVERSITY PRESS

EDITORS

PROFESSOR BENGT NORDÉN

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

DR. WAH CHIU

National Center for Macromolecular Imaging, Baylor College of Medicine, One Baylor Plaza, MS BCM1 25, Houston, TX 77030, USA

PROFESSOR 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

DR. ANDREW G. W. LESLIE FRs

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

PROFESSOR DAVID M. J. LILLEY FRs

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

PROFESSOR RODERICK MACKINNON

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

DR. J. ANDREW MCCAMMON

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

PROFESSOR 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

PROFESSOR 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 43 2010: Institutional print and online: US \$707 in USA, Canada, and Mexico; UK £385 + VAT elsewhere; Institutions online only: US \$588 in USA, Canada, and Mexico; UK £322 + VAT elsewhere; Institutions print only: US \$624 in USA, Canada, and Mexico; UK £338 + VAT elsewhere; Individuals print and online: US \$254 in USA, Canada, and Mexico; UK £132 + VAT elsewhere; Individual print only: US \$234 in USA, Canada, and Mexico; UK £122 + VAT elsewhere; Single parts available in print only: US \$158 in USA, Canada, and Mexico; UK £88 + 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 2010

Printed in the United States of America