

CAMBRIDGE

JOURNALS

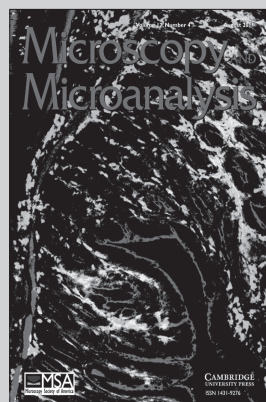
Microscopy and Microanalysis

Published for the Microscopy Society of America

Editor

Robert L. Price, *University of South Carolina, USA*

Microscopy and Microanalysis, a peer-reviewed bi-monthly, publishes original research papers in the fields of microscopy, imaging, and compositional analysis. This distinguished international forum is intended for microscopists in both biology and materials science. The journal provides significant articles that describe new and existing techniques and instrumentation, as well as the applications of these to the imaging and analysis of microstructure. *Microscopy and Microanalysis* also includes review articles, short communications, letters to the editor, and book reviews.



Microscopy and Microanalysis
is available online at:
<http://journals.cambridge.org/mam>

To subscribe contact Customer Services

in Cambridge:
Phone +44 (0)1223 326070
Fax +44 (0)1223 325150
Email journals@cambridge.org

in New York:
Phone +1 (845) 353 7500
Fax +1 (845) 353 4141
Email
subscriptions_newyork@cambridge.org

Free email alerts

Keep up-to-date with new
material – sign up at
journals.cambridge.org/register

For free online content visit:
<http://journals.cambridge.org/mam>



CAMBRIDGE
UNIVERSITY PRESS

CAMBRIDGE

JOURNALS

Microscopy Today

Published for the Microscopy Society of America



Editor-in-Chief

Charles E. Lyman, *Lehigh University, USA*

Microscopy Today, the official magazine of the Microscopy Society of America (MSA), is produced six times a year alternating with the *Microscopy and Microanalysis* journal. Published since 1992, *Microscopy Today (MTO)* is a controlled-circulation magazine. Although not a peer-reviewed publication, *MTO* has a strong Editorial Board and a high general standard of material. *MTO* magazine attracts authors from many disparate fields in both biological and materials sciences.

Microscopy Today

is available online at:

<http://journals.cambridge.org/mto>

To subscribe contact Customer Services

in Cambridge:

Phone +44 (0)1223 326070

Fax +44 (0)1223 325150

Email journals@cambridge.org

in New York:

Phone +1 (845) 353 7500

Fax +1 (845) 353 4141

Email

subscriptions_newyork@cambridge.org

Free email alerts

Keep up-to-date with new material – sign up at

journals.cambridge.org/register

For free online content visit:
<http://journals.cambridge.org/mto>



CAMBRIDGE
UNIVERSITY PRESS

CAMBRIDGE

JOURNALS

Expert Reviews in Molecular Medicine

Published in association with the Centre for Applied Research
in Educational Technologies (CARET)

Editor

Andrea Bowden, Centre for Applied Research in Educational Technologies, Cambridge,
UK

Carolyn Elliss, Centre for Applied Research in Educational Technologies, Cambridge, UK

Expert Reviews in Molecular Medicine is an exciting online journal featuring high-quality reviews of the latest developments in this fast-growing field. Coverage includes gene therapy, immunotherapeutics, drug design, vaccines, genetic testing, pathogenesis, epidemiology, genomics, diagnostics and techniques. Reviews are published continually on the website. The journal's innovative functionality allows viewers to access not only the review articles, but also fully abstracted references, figures, photographs, tables, animations and molecular models. *Expert Reviews in Molecular Medicine* will be of interest to biomedical researchers, clinicians and students, as well as researchers in the pharmaceutical and biotechnology industries.

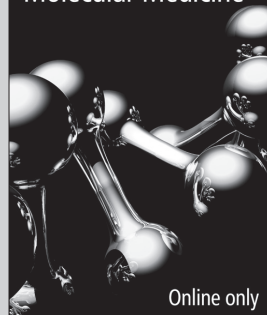
Price information

is available at: <http://journals.cambridge.org/erm>

Free email alerts

Keep up-to-date with new material – sign up at
<http://journals.cambridge.org/alerts>

Expert Reviews in Molecular Medicine



Online only

Expert Reviews in Molecular Medicine

is available online at:
<http://journals.cambridge.org/erm>

To subscribe contact Customer Services

in Cambridge:
Phone +44 (0)1223 326070
Fax +44 (0)1223 325150
Email journals@cambridge.org

in New York:
Phone +1 (845) 353 7500
Fax +1 (845) 353 4141
Email
subscriptions_newyork@cambridge.org

For free online content visit:
<http://journals.cambridge.org/erm>



CAMBRIDGE
UNIVERSITY PRESS

COPYING

This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Organizations in the USA who are also registered with C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of US copyright law) subject to payment to C.C.C. of the per-copy fee of \$15.00. This consent does not extend to multiple copying for promotional or commercial purposes. The Item-Fee Code for the publication is 0033-5835/11 \$15.00+.10. *ISI Tear Sheet Service*, 3501 Market Street, Philadelphia, PA 19104, USA, is authorized to supply single copies of separate articles for private use only. Organizations authorized by the Copyright Licensing Agency may also copy material subject to the usual conditions. *For all other use*, permission must be sought from Cambridge or the American Branch of Cambridge University Press.

Quarterly Reviews of Biophysics is covered by relevant abstracting and indexing services including *Biological Abstracts*, *Chemical Abstracts*, *Current Awareness in Biological Science*, *Current Contents*, *Excerpta Medica* and *Index Medicus*.

CAMBRIDGE UNIVERSITY PRESS

The Edinburgh Building, Cambridge CB2 8RU, United Kingdom
32 Avenue of the Americas, New York, NY 10013-2473, USA
477 Williamstown Road, Port Melbourne, VIC 3207, Australia
Ruiz de Alarcón 13, 28014 Madrid, Spain
Dock House, The Waterfront, Cape Town 8001, South Africa

QUARTERLY REVIEWS OF

Biophysics

VOL. 45 NO. 3 AUGUST 2012

CONTENTS

- JONATHAN M. FOGG, GRAHAM L. RANDALL, B. MONTGOMERY PETTITT,
DE WITT L. SUMNERS, SARAH A. HARRIS AND LYNN ZECHIEDRICH
Bullied no more: when and how DNA shoves proteins around 257
- KATRINA W. LEXA AND HEATHER A. CARLSON
Protein flexibility in docking and surface mapping 301
- ROBERT T. BATEY
Structure and mechanism of purine-binding riboswitches 345
-

FORTHCOMING PAPERS

- PENGYU REN, JAEHUN CHUN, DENNIS G. THOMAS,
MICHAEL J. SCHNIEDERS, MARCELO MARUCHO, JIAJING ZHANG
AND NATHAN A. BAKER
Biomolecular electrostatics and solvation: a computational perspective
- ANJA WINTER, ALICIA P. HIGUERUELO, MAY MARSH,
ANNA SIGURDARDOTTIR, WILL R. PITT AND TOM BLUNDELL
Biophysical and computational fragment-based approaches to targeting
protein-protein interactions: Applications in structure-guided drug discovery

Cambridge Journals Online

For further information about this journal please
go to the journal website at:
journals.cambridge.org/qrb

CAMBRIDGE
UNIVERSITY PRESS