Expert Reviews in Molecular Medicine



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

EDITORS:

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.

Access to articles published from 1997-2002 (Vols 1-4) is free; go to www.expertreviews.org to view them. Access to articles published from 2003 is by purchase/subscription.

Subscribe. Online only. Volume 11, 2009. Constantly updated. E-ISSN 1462-3994 Individuals, online only: \$122 / £74 Institutions, online only: \$380 / £212

Recommend Expert Reviews in Molecular Medicine to your librarian -FREE online access for you when your library subscribes!



In the USA, Canada and Mexico phone: 800 872 7423 fax: 845 353 4141 journals_subscriptions@cambridge.org

In the Rest of the World phone: +44 (0)1223 326070 fax: +44 (0)1223 325150 journals@cambridge.org



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 \$20.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0033–5835/2008 \$32.00. 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. 42 NO. 2 MAY 2009

CONTENTS

ARTHUR L. HORWICH AND WAYNE A. FENTON	
Chaperonin-mediated protein folding: using a central cavity to kinetically assist polypeptide chain folding	83
ALEXANDER RICH The Era of RNA Awakening: Structural biology of RNA in the early years	117

