

## Volume 1788, Number 5, May 2009



Front cover image:
Fragment of a plasma membrane with the human
β2-adrenergic C protein-coupled receptor (blue)
embedded in the lipid bilayer (white/red sticks). The
receptor is bound to a diffusible ligand (green/red/blue
balls), with cholesterol (orange/red balls) mediating
interactions between the two receptor molecules. The
membrane is decorated with carbohydrates (yellow
sticks) on the extracellular side and a cytoskeleton
(dark blue) attached at the cytoplasmic side. Several
soluble proteins and cellular organelles are free floating
in the cytoplasm. This image was kindly provided by
Yekaterina Kadyshevskaya and the Stevens lab at
The Scripps Research Institute.

The Scripps Research Institute.

Publication information: Biochimica et Biophysica Acta (Biomembranes) (ISSN 0005-2736). For 2009, Volume 1788 (12 issues) is scheduled for publication. Subscription prices are available upon request from the Publisher, from the Regional Sales Office nearest you, or from this journal's website (http://www.elsevier.com/locate/bbamem). Further information is available on this journal and other Elsevier products through Elsevier's website (http://www.elsevier.com/). Subscriptions are accepted on a prepaid basis only and are entered on a calendar year basis. Issues are sent by standard mail (surface within Europe, air delivery outside Europe). Priority rates are available upon request. Claims for missing issues should be made within six months of the date of dispatch. USA mailing notice: Biochimica et Biophysica Acta (Biomembranes) (ISSN 0005-2736) is published monthly by Elsevier B.V. (Radarweg 29, 1043 NX Amsterdam, The Netherlands). Periodicals postage paid at Rahway, NJ 07065-9998, USA, and at additional mailing offices. USA POSTMASTER: Send change of address to Biochimica et Biophysica Acta (Biomembranes). Elsevier, Customer Service Department, 11830 Westline Industrial Drive, St. Louis. MO 63146-3313. USA. AIRFERIGHT AND paid at Kanway, NJ 07-05-9998, USA, and at additional mailing offices. USA POSTMASTER: Send change of address to Blochimica et Blophysica Acta (Biomembranes), Elsevier, Customer Service Department, 11830 Westline Industrial Drive, St. Louis, MO 63146-3313, USA, AIRREGHT AND MAILING in the USA by Mercury International Limited, 365 Blair Road, Avenel, NJ 07001-2231, USA, Orders, claims, and journal inquiries: Please contact the Regional Sales Office nearest you. St. Louis: Elsevier, Customer Service Department, 11830 Westline Industrial Drive, St. Louis, MO 63146-3313, USA, phone: (877) 839 7126 [toll free within the USA]; fax: (+1) (314) 4523 5153; e-mail: JournalCustomer-Service-usa@elsevier.com.
Amsterdam: Elsevier, Customer Service Department, PO Box 211, 1000 At Amsterdam; Department, PO Box 211, 1000 At Amsterdam; The Netherlands; phone: (+31) (20) 48534757; fax: (+31) (20) 4853475; e-mail: journalScustomer-Service-Usa

Printed by Polestar Wheatons Ltd., Exeter, United Kingdom

© The paper used in this publication meets the requirements of ANSI/NISO Z39,48-1992 (Permanence of Paper)

## **BIOMEMBRANES**

**Executive Editors:** R.M. Epand (Hamilton, ON, Canada) I.M. Ruysschaert (Brussels, Belgium)

## **Section Editors:**

A. Alonso (Lejona, Spain)

T. Anchordoquy (Denver, CO, USA)

K. Boesze-Battaglia (Philadelphia, PA, USA)

R. Brasseur (Gembloux, Belgium)

G. Cevc (Munchen, Germany)

A. Chattopadhyay (Hyderabad, India)

M. Colombini (College Park, MD, USA)

J.H. Crowe (Davis, CA,USA)

K. Gawrisch (Rockville, MD,USA)

T.H. Haines (New York, NY, USA)

J.A. Killian (*Utrecht*, *The Netherlands*)

R.K.H. Kinne (Dortmund, Germany)

K. Matsuzaki (Kyoto, Japan)

J. Perez-Gil (Madrid, Spain)

J. Peter Slotte (Turku, Finland)

J.J.H.H.M. de Pont (Nijmegen, The Netherlands)

G.T. Robillard (Groningen, The Netherlands)

A. Seelig (Basel, Switzerland)

B.S. Selinsky (Villanova, PA, USA)

F. Separovic (*Melbourne*, VIC, Australia)

Y. Shai (Rehovot, Israel)

W.D. Stein (Jerusalem, Israel)

S.-F. Sui (Beijing, China)

L.K. Tamm (Charlottesville, VA, USA)

D.P. Tieleman (Calgary, AB, Canada)

H.J. Vogel (Calgary, AB, Canada)

C.M. Yip (Toronto, ON, Canada)

## **Scientific Editors** (*Elsevier, Burlington, MA, USA*):

Sharmistha Ghosh-Janjigian Amy Volpert Laura Wallins Denise M. Wells (Manager)



ELSEVIER

Amsterdam - Boston - Jena - London - New York - Oxford - Paris -Philadelphia – San Diego – St. Louis