An Introduction to Biological Membranes. Edition No. 2

Description:
Introduction to Biological Membranes: Composition, Structure and Function, Second Edition is a greatly expanded revision of the first edition that integrates many aspects of complex biological membrane functions with their composition and structure. A single membrane is composed of hundreds of proteins and thousands of lipids, all in constant flux. Every aspect of membrane structural studies involves parameters that are very small and fast.

Both size and time ranges are so vast that multiple instrumentations must be employed, often simultaneously. As a result, a variety of highly specialized and esoteric biochemical and biophysical methodologies are often utilized. This book addresses the salient features of membranes at the molecular level, offering cohesive, foundational information for advanced undergraduate students, graduate students, biochemists, and membranologists who seek a broad overview of membrane science.

- Significantly expanded coverage on function, composition, and structure
- Brings together complex aspects of membrane research in a universally understandable manner
- Features profiles of membrane pioneers detailing how contemporary studies originated
- Includes a timeline of important discoveries related to membrane science

Contents:
Chapter 1. Introduction to Biological Membranes
Chapter 2. Membrane History
Chapter 3. Water and the Hydrophobic Effect
Chapter 4. Membrane Lipids: Fatty Acids
Chapter 5. Membrane Polar Lipids
Chapter 6. Membrane Proteins
Chapter 7. Membrane Sugars
Chapter 8. From Lipid Bilayers to Lipid Rafts
Chapter 9. Basic Membrane Properties of the Fluid Mosaic Model
Chapter 10. Lipid Membrane Properties
Chapter 11. Long-Range Membrane Properties
Chapter 12. Membrane Isolation Methods
Chapter 13. Membrane Reconstitution
Chapter 14. Membrane Biogenesis: Fatty Acids
Chapter 15. Membrane Biogenesis: Phospholipids, Sphingolipids, Plasmalogens, and Cholesterol
Chapter 16. Membrane Biogenesis: Proteins
Chapter 17. Moving Components Through the Cell: Membrane Trafficking
Chapter 18. Membrane-Associated Processes
Chapter 19. Membrane Transport
Chapter 20. Bioactive Lipids
Chapter 21. Lipid-Soluble Vitamins
Chapter 22. Membrane-Associated Diseases
Chapter 23. Membranes and Human Health
Chapter 24. Cell Death, Apoptosis
Chapter 25. Chronology of Membrane Studies

Ordering:
Order Online - [http://www.researchandmarkets.com/reports/3692746/](http://www.researchandmarkets.com/reports/3692746/)
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>An Introduction to Biological Membranes. Edition No. 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Address:</td>
<td><a href="http://www.researchandmarkets.com/reports/3692746/">http://www.researchandmarkets.com/reports/3692746/</a></td>
</tr>
<tr>
<td>Office Code:</td>
<td>SCBRKEFV</td>
</tr>
</tbody>
</table>

Product Format
Please select the product format and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hard Copy (Paper back): USD 99 + USD 29 Shipping/Handling</td>
</tr>
</tbody>
</table>

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

<table>
<thead>
<tr>
<th>Title:</th>
<th>Mr ☐ Mrs ☐ Dr ☐ Miss ☐ Ms ☐ Prof ☐</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name:</td>
<td></td>
</tr>
<tr>
<td>Email Address: *</td>
<td></td>
</tr>
<tr>
<td>Job Title:</td>
<td></td>
</tr>
<tr>
<td>Organisation:</td>
<td></td>
</tr>
<tr>
<td>Address:</td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td></td>
</tr>
<tr>
<td>Postal / Zip Code:</td>
<td></td>
</tr>
<tr>
<td>Country:</td>
<td></td>
</tr>
<tr>
<td>Phone Number:</td>
<td></td>
</tr>
<tr>
<td>Fax Number:</td>
<td></td>
</tr>
</tbody>
</table>

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: _______________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World