Mechanics of the Cell. Edition No. 2

Description: Exploring the mechanical features of biological cells, including their architecture and stability, this textbook is a pedagogical introduction to the interdisciplinary fields of cell mechanics and soft matter physics from both experimental and theoretical perspectives. This second edition has been greatly updated and expanded, with new chapters on complex filaments, the cell division cycle, the mechanisms of control and organization in the cell, and fluctuation phenomena.

The textbook is now in full color which enhances the diagrams and allows the inclusion of new microscopy images. With around 280 end-of-chapter exercises exploring further applications, this textbook is ideal for advanced undergraduate and graduate students in physics and biomedical engineering.

A website hosted by the author contains extra support material, diagrams and lecture notes.

Contents: Preface; List of symbols;
1. Introduction to the cell;
2. Soft materials and fluids;

Part I - Rods and Ropes:
3. Polymers;
4. Complex filaments;
5. Two-dimensional networks;
6. Three-dimensional networks;

Part II - Membranes:
7. Biomembranes;
8. Membrane undulations;
9. Intermembrane and electrostatic forces;

Part III - The Whole Cell:
10. Structure of the simplest cells;
11. Dynamic filaments;
12. Growth and division;
13. Signals and switches; Appendixes; Glossary; References; Index.

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 and select the format(s) you require.

Product Name: Mechanics of the Cell. Edition No. 2  
Web Address: http://www.researchandmarkets.com/reports/2128506/  
Office Code: SC

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hard Copy (Paper back):</td>
<td>USD 84 + USD 31 Shipping/Handling</td>
</tr>
<tr>
<td>Hard Copy (Hard Back):</td>
<td>USD 140 + USD 31 Shipping/Handling</td>
</tr>
</tbody>
</table>

* Shipping/Handling is only charged once per order.

* The price quoted above is only valid for 30 days. Please submit your order within that time frame to avail of this price as all prices are subject to change.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title:  
Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof [ ]

First Name: ___________________________  
Last Name: ___________________________

Email Address: * ___________________________

Job Title: ___________________________

Organisation: ___________________________

Address: ___________________________

City: ___________________________

Postal / Zip Code: ___________________________

Country: ___________________________

Phone Number: ___________________________

Fax Number: ___________________________

* 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: Bank details will be provided on the invoice which you will receive after you place your order with us.

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