The Comprehensive Sourcebook of Bacterial Protein Toxins. Edition No. 4

Description: The Comprehensive Sourcebook of Bacterial Protein Toxins 4th Edition, contains chapters written by internationally known and well-respected specialists. This book contains chapters devoted to individual toxins, as well as chapters that consider the different applications of these toxins. Considerable progress has been made in understanding the structure, function, interaction and trafficking into cells, as well as mechanism of action of toxins. Bacterial toxins are involved in the pathogenesis of many bacteria, some of which are responsible for severe diseases in human and animals, but can also be used as tools in cell biology to dissect cellular processes or used as therapeutic agents. Novel recombinant toxins are already proposed in the treatment of some diseases, as well as new vaccines. Alternatively, certain toxins are also considered as biological weapons or bioterrorism threats. Given the multifaceted aspects of toxin research and the multidisciplinary approaches adopted, toxins are of great interest in many scientific areas from microbiology, virology, cell biology to biochemistry and protein structure. This new edition is written with a multidisciplinary audience in mind and contains 5 new chapters that reflect the latest research in this area. Other chapters have been combined, deleted and fully revised as necessary to deliver relevant and valuable content.

- Descriptions of relevant toxins as well as representative toxins of the main bacterial toxin families to allow for a better comparison between them.
- Focused chapters on toxin applications and common properties or general features of toxins.

Contents:

- Evolutionary Aspects of Toxin-Producing Bacteria
- Mobile Genetic Elements and Pathogenicity Islands Encoding Bacterial Toxins
- Toxin Secretion Systems
- Diphtheria Toxin
- Pseudomonas aeruginosa Toxins
- Bordetella Proteins Toxins
- Cholera Toxin, Escherichia coli Thermolabile Enterotoxin and Other Vibrio cholerae Enterotoxins
- Vibrio parahaemolyticus Virulence Determinants
- Salmonella Toxin and Virulence Factors
- The Shiga Toxins
- Clostridial Neurotoxins: Cellular and Molecular Actions
- Clostridial Neurotoxins: Uptake and Transport
- Bacillus anthracis Toxins
- ADP-Ribosylating Toxins Modifying the Actin Cytoskeleton
- Large Clostridial Cytotoxins Modifying Small GTPases: Structure Aspects
- Large Clostridial Cytotoxins Modifying Small GTPases: Cellular Aspects
- Pasteurella multocida Toxin
- Deamidating Toxins
- Helicobacter pylori Vacuolating Toxin
- Bacterial Genotoxins
- Basic Mechanism of Pore-Forming Toxins
- Membrane-Damaging and Cytotoxic Phospholipases
- Structure and Mode of Action of RTX Toxins
- Perfringolysin and Related Cholesterol-Dependent Cytolysins
- Staphylococcus aureus Alpha Toxin and Leucocidins
- Aerolysin
- Structural Relationships Between Small ß-Pore-forming Toxins from Clostridium perfringens
- Clostridium perfringens Enterotoxin
- Bacillus cereus Enterotoxins
- Bacillus Insecticidal Toxins
- Escherichia coli Heat-Stable Enterotoxins
- Superantigen Toxins
- Clostridial Toxins in the Pathogenesis of Gangrene
- Engineering of Botulinum Neurotoxins as Novel Therapeutic Tools
- Engineering of Bacterial Toxins for Research and Medicine
Toxins as Tools in Cell Biology
Inhibitors of Toxin Endocytosis
Inhibitors of Pore-Forming Toxins
Bacterial Toxins as Biological Weapons

Ordering:
Order Online - http://www.researchandmarkets.com/reports/3084324/
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>The Comprehensive Sourcebook of Bacterial Protein Toxins. Edition No. 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Address:</td>
<td><a href="http://www.researchandmarkets.com/reports/3084324/">http://www.researchandmarkets.com/reports/3084324/</a></td>
</tr>
<tr>
<td>Office Code:</td>
<td>SCPLT7EN</td>
</tr>
</tbody>
</table>

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

| Quantity                  | Hard Copy (Hard Back): USD 227 + USD 28 Shipping/Handling |

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