



## Useful BIOCHEMISTRY Books

from Elsevier Science  
and Academic Press  
(an imprint of Elsevier Science)

### Cell and Molecular Responses to Stress

**Volume 3: Sensing, Signalling and Cell Adaptation**

**Volume 2: Protein Adaptations and Signal Transduction**

**Volume 1: Environmental Stressors and Gene Responses**

*Edited by*

**Kenneth B. Storey and Janet M. Storey**

**Volume 3** includes articles that provide up-to-date information on key areas of signal sensing, signal transduction mechanisms, metabolic responses to stress, and selected protein adaptations that support unique physiological states. An analysis of metabolic control theory is provided as well as an examination of how enzymes evolve in the face of stress.

**Volume 2** focuses on oxygen sensitive ion channels, protein kinase cascade, and reactive oxygen species. Additionally, it covers protein adaptations that support unique physiological states.

**Volume 1** discusses environmental stress as an influence on geographic distribution and species divergence. It explores gene expression and metabolic responses to high and low temperature, osmotic, anoxia, desiccation, high pressure and heavy metal stresses.

- **Volume 3**, September 2002, Casebound, c. 346 pp., \$179.00/£115.25, ISBN: 0-444-51147-4 (Elsevier Science)
- **Volume 2**, July 2001, Casebound, c. 291 pp., \$179.00/£115.25, ISBN: 0-444-50759-0 (Elsevier Science)
- **Volume 1**, July 2000, Casebound, c. 303 pp., \$179.00/£115.25, ISBN: 0-444-50488-5 (Elsevier Science)
- Special! Purchase three volumes for the price of two! \$358.00/£230.50, ISBN: 0-444-51282-9 (Elsevier Science)

### Protein Targeting Transport and Translocation

*Edited by*

**Ross E. Dalbey and Gunnar von Heijne**

This book is a must for researchers working in all areas of protein science including protein targeting, secretion, folding, assembly, structure, localization, quality control, degradation and antigen presentation. Foreword by Professor Gunter Blobel, Nobel Prize winner for physiology and medicine in 1999.

April 2002, Casebound 424 pp., \$69.95/£44.95, ISBN: 0-12-200731-X (Academic Press)

### Membrane Protein Purification and Crystallization

**A Practical Guide, 2E**

*Edited by*

**Carola Hunte, Hermann Schagger, and Gebhard von Jagow**

This second edition presents isolation and crystallization techniques in a concise form, emphasizing the critical aspects unique to membrane proteins. It explains the principles of the methods and provides protocols of general use, permitting researchers and students new to this area to adapt these techniques to their particular needs.

September 2002, Spiralbound c. 260 pp., \$69.95/£42.95, ISBN: 0-12-361776-6 (Academic Press)

### New titles in the Advances in Protein Chemistry Series

#### Praise for the Series

*"The authority, originality, and editing of the reviews are first class."*

—NATURE

*"The Advances in Protein Chemistry series has been a major factor in the education of protein chemists."*

—JOURNAL OF THE AMERICAN CHEMICAL SOCIETY

- **Unfolded Proteins, Vol. 62**, November 2002, Casebound, c. 424 pp., \$129.95/£85.95 ISBN: 0-12-034262-6 (Academic Press)
- **Protein Modules and Protein-Protein Interactions, Vol. 61**, October 2002, Casebound, c. 336 pp., \$129.95/£85.95 ISBN: 0-12-034261-8 (Academic Press)
- **Copper-Containing Proteins, Vol. 60**, August 2002, Casebound, 550 pp., \$129.95/£85.95 ISBN: 0-12-034260-X (Academic Press)
- **Protein Folding in the Cell, Vol. 59**, February 2002, Casebound, 550 pp., \$129.95/£85.95 ISBN: 0-12-034259-6 (Academic Press)

#### TO ORDER ACADEMIC PRESS BOOKS:

**In North America:**

1-800-545-2522 or 1-314-453-7010

**E-mail:** [custserv.ap@elsevier.com](mailto:custserv.ap@elsevier.com)

**Secure Online Ordering at**

[www.academicpress.com](http://www.academicpress.com)

**All other countries:**

+44 (0)20 8308 5700

**Secure Online Ordering at**

[www.elsevier-international.com](http://www.elsevier-international.com)

#### TO ORDER ELSEVIER SCIENCE BOOKS:

**In North America:**

1-888-437-4636 or 1-212-633-3730

**E-mail:** [usinfo-f@elsevier.com](mailto:usinfo-f@elsevier.com)

**All other countries:**

+31 (0)20 485 3757

**E-mail:** [nlinfo-f@elsevier.com](mailto:nlinfo-f@elsevier.com)

**Secure Online Ordering at**

[www.elsevier.com](http://www.elsevier.com)



**ACADEMIC PRESS**  
An imprint of Elsevier Science

All prices and publication dates subject to change without notice.

©2002 by Elsevier Science. All Rights Reserved. TS/EA/LS HA10082\_180x250mm 11/2