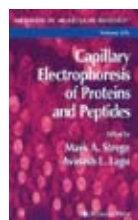


## Books

### Capillary Electrophoresis of Proteins and Peptides

*M. Stage and A. Lagu, ed., Humana Press, 2004, 344 pp., hard cover, ISBN: 1-58829017-4*

Expert academic and pharmaceutical researchers describe their best capillary electrophoresis techniques for protein and peptide analysis. Areas of special interest covered include combining CE and capillary isoelectric focusing with electro-spray mass spectrometry detection to perform proteomic studies and applications in the field of protein-ligand binding.

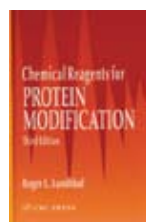


| Cat. No.       | Product Description                                | Quantity |
|----------------|--|----------|
| <b>Z702641</b> | Capillary Electrophoresis of Proteins and Peptides | 1 ea.    |

### Chemical Reagents for Protein Modification, 3rd ed.

*R. Lundblad, CRC Press, 2005, 352 pp., hard cover, ISBN: 0-84931983-8*

The third edition is an encyclopedic work describing the many approaches to the site-specific modification of proteins. This edition presents the most frequently used methods for the site-specific chemical modification of proteins, techniques for protein characterization, precise laboratory data for factors that influence reactivity and reproducibility, and industry-specific resources.

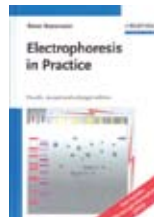


| Cat. No.       | Product Description                                 | Quantity |
|----------------|---|----------|
| <b>Z703303</b> | Chemical Reagents for Protein Modification, 3rd ed. | 1 ea.    |

### Electrophoresis in Practice: A Guide to Methods and Applications of DNA and Protein Separations, 4th ed.

*R. Westermeier, John Wiley & Sons, 2005, 384 pp., hard cover, ISBN: 3-52731181-5*

This fourth edition laboratory guide for successful electrophoretic separations is divided into two parts to provide a thorough presentation of the fundamentals followed by a detailed description of the most common methods currently in use.



| Cat. No.       | Product Description  | Quantity |
|----------------|--|----------|
| <b>Z703575</b> | Electrophoresis in Practice: A Guide to Methods and Applications of DNA and Protein Separations, 4th ed. | 1 ea.    |

### Expanding Role of Mass Spectrometry in Biotechnology

*G. Siuzdak, MCC Press, 2003, 275 pp., soft cover, ISBN: 0-97424510-0*

Basic concepts in mass spectrometry and advanced topics including protein identification, protein structural analysis, carbohydrate and oligonucleotide analysis are covered. Topics include pharmacokinetics, high throughput screening, and recent developments of mass spectrometry use in clinical diagnosis.



| Cat. No.       | Product Description                                  | Quantity |
|----------------|--|----------|
| <b>Z730483</b> | Expanding Role of Mass Spectrometry in Biotechnology | 1 ea.    |

## Books

### High Throughput Bioanalytical Sample Preparation

*D. Wells, Elsevier Health Sciences, 2002, 628 pp., hard cover, ISBN: 0-444-51029-X*

High throughput (rapid productivity) techniques are presented along with information describing how to perform and automate the processes. A thorough review of the literature is included within each of these chapters describing high throughput sample preparation techniques: protein removal by precipitation; equilibrium dialysis and ultrafiltration; liquid-liquid extraction; solid-phase extraction; and various on-line techniques.

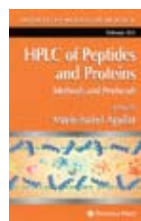


| Cat. No.       | Product Description                              | Quantity |
|----------------|--|----------|
| <b>Z701807</b> | High Throughput Bioanalytical Sample Preparation | 1 ea.    |

### HPLC of Peptides and Proteins: Methods and Protocols

*M. Aguilar, ed., Humana Press, 2004, 428 pp., hard cover, ISBN: 0-89603977-3*

Experts from academia and industry describe how to successfully perform all critical HPLC techniques needed for analysis of peptides and proteins. Methods range from commonly used techniques to large-scale preparative isolation. The authors also present a number of specific applications to illustrate the analytical approaches to a particular separation or assay challenge, with examples drawn from contemporary fields in biochemistry and biotechnology.



| Cat. No.       | Product Description                                  | Quantity |
|----------------|--|----------|
| <b>Z701890</b> | HPLC of Peptides and Proteins: Methods and Protocols | 1 ea.    |

### Isolation and Purification of Proteins

*R. Hatti-Kaul and B. Mattiasson, ed., Marcel Dekker, 2003, 688 pp., hard cover, ISBN: 0-82470726-5*

This book discusses rational design of downstream protein processing, product release from cells and tissues by mechanical disruption, genetic strategies to facilitate purification of recombinant proteins, solid-liquid separation via centrifugation, flocculation, usage of membrane filtration for protein isolation and more.

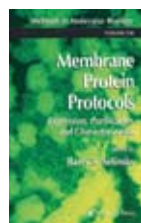


| Cat. No.       | Product Description                    | Quantity |
|----------------|--|----------|
| <b>Z702242</b> | Isolation and Purification of Proteins | 1 ea.    |

### Membrane Protein Protocols: Expression, Purification, and Characterization

*B. Selinsky, ed., Humana Press, 2003, 330 pp., hard cover, ISBN: 1-58829-124-3*

A collection of key techniques for the study of receptors and transport proteins with examples of how different membrane proteins can be over expressed in both prokaryotic and eukaryotic expression systems.



| Cat. No.       | Product Description  | Quantity |
|----------------|--|----------|
| <b>Z701203</b> | Membrane Protein Protocols: Expression, Purification, and Characterization | 1 ea.    |



## New and Emerging Proteomic Techniques

*D. Nedelkov and R. Nelson, Humana Press, 2006, 242 pp., hard cover, ISBN: 1-58829519-2*

Leading researchers and innovators detail the latest techniques that promise to significantly impact the practice of proteomics, as well as its success in developing novel clinical agents. The methods span the entire spectrum of top-down and bottom-up approaches, including microarrays, gels, chromatography, and affinity separations, and address every aspect of the human proteome, both quantitatively and qualitatively.



| Cat. No.       | Product Description                   | Quantity |
|----------------|---------------------------------------|----------|
| <b>Z705381</b> | New and Emerging Proteomic Techniques | 1 ea.    |

## Posttranslational Modification of Proteins: Expanding Nature's Inventory

*C. Walsh, Roberts Publishers, 2005, 576 pp., hard cover, ISBN: 0-97470773-2*

This book covers the wide range of posttranslational modifications found in nature, many of which have been discovered relatively recently as a result of improved detection methods. It may be used as a reference or as a collection of the structural and functional variety of these modifications. The author covers the subject from the perspective of both the mechanism of formation of these protein conjugates and their biological function in processes like signal transduction and enzymatic catalysis. Several links are made between various modification processes and their roles in biological processes that tie together the heterogeneous collection of posttranslational modifications.



| Cat. No.       | Product Description  | Quantity |
|----------------|--|----------|
| <b>Z704636</b> | Posttranslational Modification of Proteins: Expanding Nature's Inventory | 1 ea.    |

## Principles and Reactions of Protein Extraction, Purification and Characterization

*H. Ahmed, CRC Press, 2004, 432 pp., comb bound, ISBN: 0-84932034-8*

This book details the mechanisms and experimental procedures for classic to cutting-edge techniques used in protein extraction, purification, and characterization. Along with methodical working procedures for most techniques, the book also offers useful advice on which technique to use and when to apply a particular method.



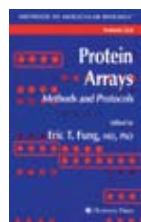
| Cat. No.       | Product Description   | Quantity |
|----------------|---|----------|
| <b>Z703109</b> | Principles and Reactions of Protein Extraction, Purification and Characterization | 1 ea.    |

## Books

### Protein Arrays: Methods and Protocols

E. Fung, ed., Humana Press, 2004, 304 pp., hard cover, ISBN: 1-58829255-X

A diverse collection of methods to synthesize and construct protein arrays for basic and clinical research in a high-throughput manner. These readily reproducible techniques can be applied to such applications as quantifying specific proteins of interest and discovering novel proteins, as well as to a variety of affinity substances, including antibodies, peptides, proteins, aptamers, and chemicals.



| Cat. No.       | Product Description                      | Quantity |
|----------------|--|----------|
| <b>Z702749</b> | Protein Arrays:<br>Methods and Protocols | 1 ea.    |

### Production of Recombinant Proteins: Novel Microbial and Eukaryotic Expression Systems

G. Gellissen, ed., John Wiley & Sons, 2005, 426 pp., hard cover, ISBN: 3-52731036-3

Information on the general biology of host organism, expression platform, and examples of proteins produced with the respective platform are discussed. The book provides valuable information on the criteria and schemes for selecting the appropriate expression platform, the possibility and practicality of a universal expression vector, and on comparative industrial-scale fermentation.



| Cat. No.       | Product Description   | Quantity |
|----------------|---|----------|
| <b>Z703427</b> | Production of Recombinant<br>Proteins: Novel Microbial and<br>Eukaryotic Expression Systems | 1 ea.    |

### Protein Microarray Technology

D. Kambhampati, ed., John Wiley & Sons, 2004, 276 pp., hard cover, ISBN: 3-527-30597-1

This book addresses the field of protein microarrays and novel strategies for constructing highly functional and biocompatible microarrays for screening proteins. A roadmap for solving complex challenges currently faced while monitoring protein-protein interactions over a wide range of microarray platforms is also presented. Topics covered include: types of biomolecular interactions, surface chemistry, detection and spotting technologies.

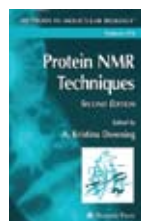


| Cat. No.       | Product Description           | Quantity |
|----------------|-------------------------------|----------|
| <b>Z701734</b> | Protein Microarray Technology | 1 ea.    |

### Protein NMR Techniques, 2nd ed.

A. Downing, Humana Press, 2004, 499 pp., hard cover, ISBN: 1-58829246-0

This collection of methods and advances in NMR technology discusses methods for high-level recombinant protein expression using sophisticated isotopic labeling strategies, TROSY methods for the study of structure and dynamics, and methods for the acquisition and interpretation of residual dipolar coupling data. Applications of dynamic measurements on multiple timescales, new developments in NMR data analysis, structure calculation protocols, and solid-state methods are also included.



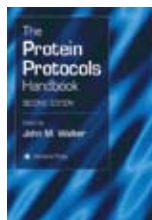
| Cat. No.       | Product Description             | Quantity |
|----------------|---------------------------------|----------|
| <b>Z702846</b> | Protein NMR Techniques, 2nd ed. | 1 ea.    |



## Protein Protocols Handbook, 2nd ed.

*J.M. Walker, Humana Press, 2002, 850 pp., soft cover,  
ISBN: 0-89603-941-2*

This edition provides a cross-section of analytical techniques commonly used for proteins and peptides. Chapters examine developments in the use of mass spectrometry and the role of 2D PAGE in protein characterization.

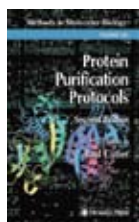


| Cat. No.     | Product Description                    | Quantity |
|--------------|--|----------|
| <b>P4742</b> | Protein Protocols Handbook,<br>2nd ed. | 1 ea.    |

## Protein Purification Protocols, 2nd ed.

*P. Cutler, ed., Humana Press, 2003, 512 pp., hard cover,  
ISBN: 1-58829-067-0*

New chapters include those on protein fractionation, chromatographic techniques, and 2D gel electrophoresis as preparative techniques for protein characterization. They also discuss analytical chromatography for multidimensional separations of proteins and peptides and mass spectrometric techniques for isolating proteins.

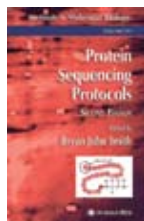


| Cat. No.       | Product Description                        | Quantity |
|----------------|--|----------|
| <b>Z701483</b> | Protein Purification Protocols,<br>2nd ed. | 1 ea.    |

## Protein Sequencing Protocols, 2nd ed.

*B.J. Smith, Humana Press, 2002, 508 pp., hard cover,  
ISBN: 0-89603-975-7*

This updated edition includes novel approaches to the validation of quality assurance methods, reflecting the current importance of biopharmaceuticals, and also offers a guide to analysis of protein sequence information via the powerful new tools of bioinformatics.

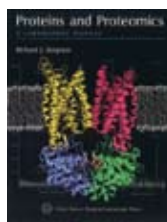


| Cat. No.       | Product Description                      | Quantity |
|----------------|--|----------|
| <b>Z700282</b> | Protein Sequencing Protocols,<br>2nd ed. | 1 ea.    |

## Proteins and Proteomics: A Laboratory Manual

*R. Simpson, Cold Spring Harbor Laboratory Press, 2003,  
926 pp., soft cover, ISBN: 0-87969-554-4*

This book provides information about protein structure and numerous methods for the preparation and analysis of protein samples ranging from electrophoresis and mass spectrometry to protein chips and informatics. Extensive background information and references are provided regarding theoretic aspects of techniques and their applications.



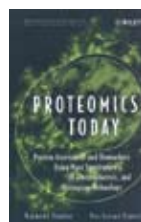
| Cat. No.       | Product Description                             | Quantity |
|----------------|---|----------|
| <b>Z700428</b> | Proteins and Proteomics:<br>A Laboratory Manual | 1 ea.    |

## Books

### Proteomics Today: Protein Assessment and Biomarkers Using Mass Spectrometry, 2D Electrophoresis and Microarray Technology

M. Hamdan and P. Righetti, John Wiley & Sons, 2005, 426 pp., hard cover, ISBN: 0-47164817-5

The role of mass spectrometry in proteomic research and advances in existing technologies is discussed. This book provides a scientifically valid method for analyzing the approximate 500,000 proteins encoded in the human genome and also includes sections on troubleshooting.



| Cat. No.       | Product Description   | Quantity |
|----------------|---|----------|
| <b>Z704024</b> | Proteomics Today: Protein Assessment and Biomarkers Using Mass Spectrometry, 2D Electrophoresis and Microarray Technology | 1 ea.    |

### Separation Methods in Proteomics

G. Smejkal and G. Lazarev, CRC Press, 2006, 536 pp., hard cover, ISBN: 0-82472699-5

Separation Methods in Proteomics provides a comprehensive examination of all major separation techniques for proteomics research. Written as a compilation of hands-on methods exemplified by the work of several recognized leaders in the field, this book is a guide for selection of optimal separation strategies to solve particular biological problems.



| Cat. No.       | Product Description              | Quantity |
|----------------|----------------------------------|----------|
| <b>Z705233</b> | Separation Methods in Proteomics | 1 ea.    |

### Short Protocols in Protein Science

J.E. Coligan, et al., ed., John Wiley & Sons, 2003, 810 pp., soft cover, ISBN: 0-471-48338-9

This book provides condensed descriptions of more than 500 protocols compiled from "Current Protocols in Protein Science." Drawing from both the original "core" manual as well as the quarterly update service, this compendium includes all step-by-step descriptions of the principal methods covered in "Current Protocols in Protein Science."



| Cat. No.       | Product Description                | Quantity |
|----------------|------------------------------------|----------|
| <b>Z701653</b> | Short Protocols in Protein Science | 1 ea.    |

### Ten Most Wanted Solutions in Protein Bioinformatics

A. Tramontano, CRC Press, 2005, 216 pp., hard cover, ISBN: 1-58488491-6

This book considers the ten most significant problems encountered while identifying biological properties and functional roles of proteins. Problem one considers the challenge involved with detecting existence of an evolutionary relationship between proteins. Problems two and three study detection of local similarities between protein sequences and analysis. Problems four, five, and six study the three-dimensional protein structure and its influence on a protein's role. Problems seven and eight explore proteins interaction while nine discusses the possibility of designing completely new proteins tailored to specific tasks. Problem ten considers ways to modify the functional properties of proteins.



| Cat. No.       | Product Description                                 | Quantity |
|----------------|---|----------|
| <b>Z704989</b> | Ten Most Wanted Solutions in Protein Bioinformatics | 1 ea.    |