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Formato	Materiale a stampa
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Nota di contenuto	Clinical Proteomics; Contents; Editor's Overview; Acknowledgements; List of Contributors; I Technologies; 1 Preanalytical Issues in Clinical Proteomic Studies; 1.1 Introduction; 1.2 Preanalytical Factors; 1.2.1 Biological Variation; 1.2.1.1 Intrinsic Influences/Factors; 1.2.1.2 Extrinsic Influences/Factors; 1.2.2 Technical Variables; 1.2.2.1 Specimen/Sample Collection Mode; 1.2.2.2 Type of Sample Container; 1.2.2.3 Sample Processing and Handling Conditions; 1.2.2.4 Sample Storage; 1.3 Summary and Concluding Remarks; 2 Protein Separation by Two-Dimensional Electrophoresis; 2.1 Introduction 2.2 2DE: Protein Solubilization and Sample Preparation 2.3 2DE: Protein Separation; 2.3.1 Focusing in the First Dimension; 2.3.2 Advances in IEF; 2.4 Improving Proteomic Coverage by Subcellular Fractionation; 2.5 Protein Detection and Image Analysis; 2.6 The Future of 2DE; 3 Protein Separation: Liquid Chromatography; 3.1 Introduction; 3.2 Liquid Chromatography; 3.2.1 HPLC Separation Principles; 3.2.2 Reversed-Phase LC (RPLC, 1DLC); 3.2.3 Affinity Chromatography; 3.2.4 Size-Exclusion Chromatography; 3.2.5 Ion-Exchange Chromatography; 3.2.6 Two-Dimensional LC

3.2.6.1 Chromatofocusing to Reversed Phase3.2.6.2 Ion-Exchange-Reversed-Phase Liquid Chromatography; 3.2.7 Three-Dimensional Liquid Chromatography; 3.2.8 LC Image Analysis Requirement; 3.2.9 Mass Spectrometry for LC; 3.2.9.1 MALDI-TOF MS; 3.2.9.2 ESI-MS/MS; 3.3 Conclusions; 4 HPLC in Protein Discovery; 4.1 Introduction; 4.2 LC-Based Approaches in Peptide Mass Mapping; 4.3 LC-Based Approaches in Protein Mapping; 4.4 Orthogonal 2D HPLC Separations; 4.5 Conclusion; 5 IEF Analysis of Peptides for Biomarkers Discovery; 5.1 Introduction; 5.2 Background; 5.2.1 Isoelectric Focusing 5.2.2 Shotgun Proteomics5.2.3 Shotgun IEF; 5.3 Shotgun IEF Workflow; 5.4 Applications; 5.5 Discussion and Outlook; 6 Capillary Electrophoretic Separations for Clinical Proteomics; 6.1 Introduction; 6.2 (Single-Dimension) Capillary Electrophoretic Separation; 6.3 Capillary Electrophoresis-Based Multidimensional Separations; 6.3.1 Capillary Liquid Chromatography-Capillary Electrophoresis; 6.3.2 Capillary Electrophoresis-Capillary Electrophoresis; 6.3.3 Capillary Electrophoresis-Liquid Chromatography; 6.3.3.1 Characterization of Human Saliva Proteome; 6.3.3.2 Targeted Tissue Proteomics 6.4 Conclusions7 Quantitative Proteomics Using Nano-LC with High Accuracy Mass Spectrometry; 7.1 Introduction; 7.2 Fundamentals of a High Mass Accuracy-Based LC-MS Approach; 7.3 Nano-LC-MS for Enhanced Sensitivity and Dynamic Range Coverage; 7.4 Further Developments for Increasing Proteomic Throughput; 7.5 Obtaining More Robust Quantitative Proteomic Measurements; 7.6 Summary and Perspective; 8 Antibody Microarrays for Protein and Glycan Detection; 8.1 Introduction; 8.2 Antibody Preparation and Microarray Production; 8.3 Sandwich Assays with Fluorescence Detection 8.4 Antibody Microarrays with Lectin Detection

Sommario/riassunto

Unparalleled in its scope and depth, this book brings together proteomic approaches in diagnosis and treatment from all clinical fields, including clinical toxicology. The result is a new discipline in molecular medicine that will revolutionize the treatment and prevention of cancer, stroke and other severe diseases. Following an overview of clinical proteomics, the authors look at the technologies available, before moving on to cancer, cardiopulmonary disease, diabetes and stroke. A whole section is devoted to toxicity and the work is rounded off with a discussion of the future of clinical

2. Record Nr.	UNINA9910974409503321
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Descrizione fisica	1 online resource (316 p.)
Collana	The presidency and leadership
Disciplina	973.924/092
Soggetti	Executive power - United States United States Politics and government 1969-1974 United States Economic policy 1961-1971 United States Economic policy 1971-1981
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Nota di bibliografia	Includes bibliographical references (p. [289]-294) and index.
Sommario/riassunto	Using Richard E. Neustadt's analytical framework of presidential power, Bowles develops five case studies around Nixon's economic policies. These analyses help readers understand the sources of Nixon's authority and power and his use of both, and demonstrate the implications of authority and power for understanding the institution of the presidency.