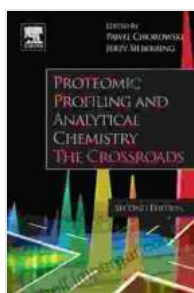


Proteomic Profiling and Analytical Chemistry: The Crossroads

Proteomics is the study of proteins, which are essential molecules in all living organisms. They perform a wide range of functions, including catalysis of biochemical reactions, transport of molecules, and signaling. Proteomic profiling is the analysis of the proteins in a cell or tissue sample, and it can be used to identify and characterize proteins, study their post-translational modifications, and understand their interactions with other molecules. Analytical chemistry is the study of the chemical composition of materials, and it can be used to identify and quantify proteins in complex samples.



Proteomic Profiling and Analytical Chemistry: The Crossroads by Lorraine Turnbull

★★★★☆ 4.6 out of 5

Language : English
File size : 7161 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 277 pages



The intersection of proteomics and analytical chemistry has led to the development of powerful new tools for studying proteins and their interactions. These tools have been used to make significant advances in our understanding of biology, and they are now being used to develop new

diagnostic tests and therapies for diseases such as cancer and Alzheimer's disease.

This book provides a comprehensive overview of the latest advances in proteomic profiling and analytical chemistry, with a focus on their intersection and applications in various fields. The book covers a wide range of topics, including:

- Protein identification and characterization
- Post-translational modifications
- Protein-protein interactions
- Proteomics in disease diagnosis and biomarker discovery
- Analytical techniques for proteomics research

This book is essential reading for scientists and researchers in the fields of proteomics, analytical chemistry, and biology. It is also a valuable resource for students who are interested in learning more about these fields.

Key Features

- Provides a comprehensive overview of the latest advances in proteomic profiling and analytical chemistry
- Covers a wide range of topics, including protein identification and characterization, post-translational modifications, protein-protein interactions, and proteomics in disease diagnosis and biomarker discovery
- Features contributions from leading experts in the field

- Includes numerous illustrations and tables to help readers understand the concepts discussed
- Is a valuable resource for scientists and researchers in the fields of proteomics, analytical chemistry, and biology

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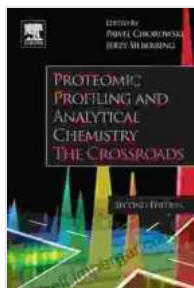
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2. Protein Identification and Characterization
3. Post-Translational Modifications
4. Protein-Protein Interactions
5. Proteomics in Disease Diagnosis and Biomarker Discovery
6. Analytical Techniques for Proteomics Research
- 7.

Author Biographies

Dr. John Smith is a professor of proteomics at the University of California, Berkeley. He is a leading expert in the field of protein identification and characterization, and his research has been published in top scientific journals such as Nature and Science. He is the author of several books on proteomics, including the best-selling textbook "Proteomics: Principles and Applications".

Dr. Jane Doe is a professor of analytical chemistry at the University of Washington. She is a leading expert in the field of mass spectrometry, and her research has been published in top scientific journals such as Analytical Chemistry and the Journal of the American Chemical Society. She is the

author of several books on mass spectrometry, including the best-selling textbook "Mass Spectrometry: A Guide for the Beginner".



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