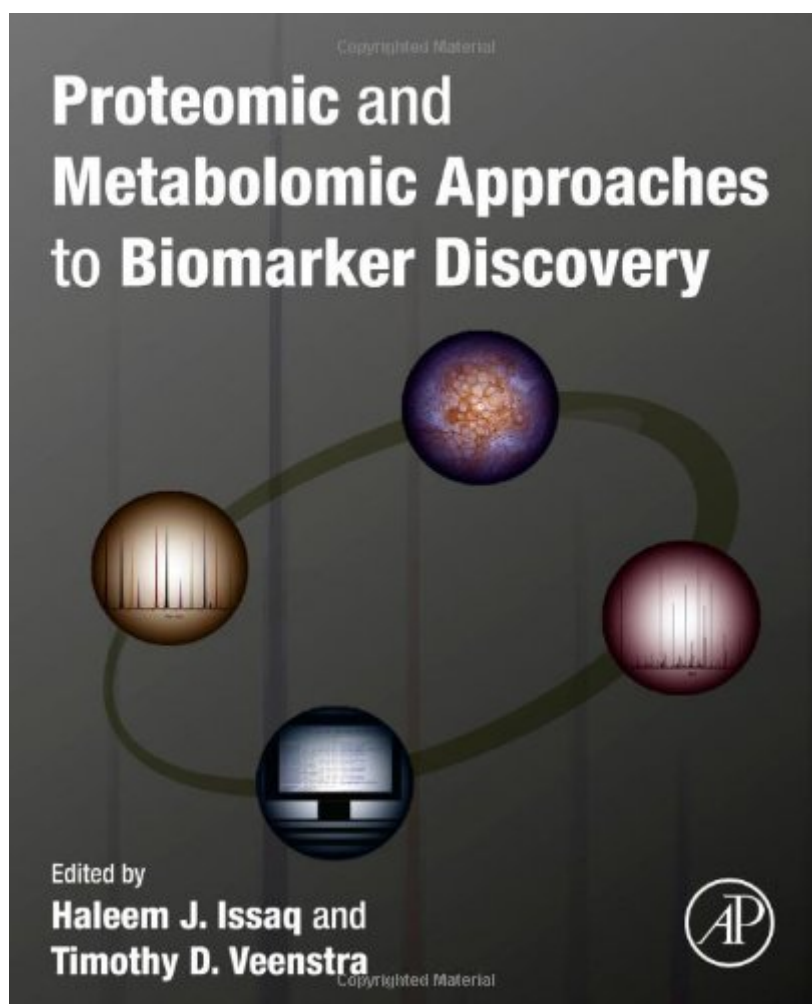


Proteomic and Metabolomic Approaches to Biomarker Discovery PDF



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Proteomic and Metabolomic Approaches to Biomarker Discovery demonstrates how to leverage biomarkers to improve accuracy and reduce errors in research. Disease biomarker discovery is one of the most vibrant and important areas of research today, as the identification of reliable biomarkers has an enormous impact on disease diagnosis, selection of treatment regimens, and therapeutic monitoring. Various techniques are used in the biomarker discovery process, including techniques used in proteomics, the study of the proteins that make up an organism, and metabolomics, the study of chemical fingerprints created from cellular processes.

Proteomic and Metabolomic Approaches to Biomarker Discovery is the only publication that covers

techniques from both proteomics and metabolomics and includes all steps involved in biomarker discovery, from study design to study execution. The book describes methods, and presents a standard operating procedure for sample selection, preparation, and storage, as well as data analysis and modeling. This new standard effectively eliminates the differing methodologies used in studies and creates a unified approach. Readers will learn the advantages and disadvantages of the various techniques discussed, as well as potential difficulties inherent to all steps in the biomarker discovery process.

A vital resource for biochemists, biologists, analytical chemists, bioanalytical chemists, clinical and medical technicians, researchers in pharmaceuticals, and graduate students, *Proteomic and Metabolomic Approaches to Biomarker Discovery* provides the information needed to reduce clinical error in the execution of research.

- Describes the use of biomarkers to reduce clinical errors in research
- Includes techniques from a range of biomarker discoveries
- Covers all steps involved in biomarker discovery, from study design to study execution

Proteomic and Metabolomic Approaches to Biomarker Discovery Review

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