

“Systematic Approaches to Biology and Medicine: Proteomics and Beyond”

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Abstract

Proteomics today involves more than just identifying and quantifying proteins, but also the determination of their localization, modifications, and molecular interactions to generate a cellular map of interactive protein network. Proteomics also has become a routine approach for functional characterization of specific subsets of protein biomarkers for certain diseases. The transition from the fundamental application of proteomics approaches into true clinical utility (so called “Translational Research”) will provide the right therapeutic strategy for the right person at the right time. This presentation reviews the current status of clinical proteomics with a particular emphasis on targeted therapeutics.