



New Advances in Proteomics in Disease

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

During the last thirty years, proteomics has proved to be a powerful tool to define the metabolic pathways and cellular mechanisms involved in the pathogenesis and development of human diseases. Besides the investigation of potential causes, the current interest in proteomics aims to identify new protein molecules as potential biomarkers, making proteomics a powerful prognostic and early diagnostic tool. Proteomics analysis enable the characterization of disease-associated proteins, their possible modifications, and reciprocal interactions contributing to understanding of human illnesses, including cancer, infectious, and autoimmune diseases. Together with the discovery of new therapeutical agents, proteomics can lead to a personalized medicine tracing the patient profile, their probability of getting sick, and specific treatment strategies for specific patient populations. This Special Issue aims to focus on the molecular mechanisms of pathogenesis in order to identify specific pathways involved in diseases and proteins useful for fast and precise disease detection.

Dr. Valeria Magnelli
Guest Editor



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Message from the Editor-in-Chief

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