



Towards Precision Prognostication and Personalized Therapeutics through Proteomics

Guest Editor:

Dr. Enrique Santamaría

Clinical Neuroproteomics Unit,
Navarrabiomed, Complejo
Hospitalario de Navarra (CHN),
Universidad Pública de Navarra
(UPNA), 31008 Pamplona, Spain

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Message from the Guest Editor

Next-generation proteomics has allowed the implementation of biomedical proteome research to uncover disease-affected protein expression profiles as well as the determination of protein localization, protein interactomes, posttranslational modifications and protein dysfunction in human diseases. Many pillars in personalized medicine such as diagnostic improvements, drug screening, systems biology or bioinformatics require the generation of quantitatively consistent proteomics data from translational animal models to human biospecimens.

The purpose of this Special Issue is highlighting the progress of proteomic methodologies in the implementation phases of personalized medicine. This open access Special Issue will bring together original research and review articles, especially in the fields of i) sex-/gender-specific pathophysiology, ii) the discovery/validation of biomarker candidates, iii) proteotype characterizations of cellular and animal models, or iv) the proteostatic modulation and mechanisms of action of pharmaceutical drugs. Technological/analytical developments in biomedical proteomics are also welcomed.





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Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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