

## Special Issue

# Towards Precision Prognostication and Personalized Therapeutics through Proteomics

### 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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### Guest Editor

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### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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