



## Protein Post-translational Modification in Human Diseases

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### **Message from the Guest Editors**

Dear Colleagues,

Proteins' post-translational modifications (PTMs) are covalently attached protein decorations of enzymatic or spontaneous origin, known to modulate and expand the functionality of proteomes. Similarly, these protein decorations have demonstrated an ability to influence and regulate several biological processes at systemic levels. The presence/absence of certain PTMs can interfere with the normal functions of proteins, for example, increasing protein malfunction and aggregability. Therefore, aberrant PTM profiles have been associated with multiple diseases and pathological conditions. The mechanisms behind the molecular outcomes of aberrant PTM profiles in biological proteomes require specific investigation and remain a current, paramount field in biomedicine.

Thus, this Special Issue focuses on the generation of knowledge based on the scientific investigation of the role(s) of PTMs in human health and disease conditions by systems biology and other scientific methodologies.

Dr. Aida Serra

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## Message from the Editor-in-Chief

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