

Special Issue

Post-translational Modifications of Proteins in Disease Pathogenesis

Message from the Guest Editors

The mechanisms of pathogenesis are still not fully understood for many diseases. Protein modifications are involved in various disorders wherein the protein structure and function are affected. These modifications could be very important as the cause or consequence (or both) of pathological processes, especially if the targeted proteins are of pivotal importance. Important protein modifications such as phosphorylation, ubiquitination, methylation and acylation are relatively well-studied. Nevertheless, these and other types of modifications, including oxidation, alkylation and others, which could be involved in tune bioregulation, are of high interest and are currently under extensive study. The discovery of new modifications or new features of known posttranslational protein modifications could advance our understanding of diseases and lead to the proposal of new therapeutic strategies.

Guest Editors

Prof. Dr. Gianfranco Gilardi

Laboratories of Structural and Functional Biochemistry, Department of Life Sciences and Systems Biology, University of Torino, Via Accademia Albertina 13, 10123 Turin, Italy

Prof. Dr. Oleksii Skorokhod

Department of Life Sciences and Systems Biology, University of Torino, 10123 Turin, Italy

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4052 Basel, Switzerland
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Editor-in-Chief

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

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