

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.

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