

Special Issue

Protein and Lipid Kinases: Structure and Function

Message from the Guest Editor

Reversible protein phosphorylation regulates basic cellular processes, such as metabolism, gene expression, cellular proliferation and differentiation, and controls most events in the various stages of the cell cycle, as well as cell responses to environmental and nutritional stresses. Understanding the regulation of protein and lipid kinases (and their corresponding phosphatases) is of outmost importance for the better understanding of signal transduction basics, as well as for the exploitation of this target class for pharmacological intervention. To obtain a comprehensive understanding of the structure and function of protein and lipid kinases, this Special Issue attempts to assemble various aspects of their regulation, including inhibitors and targeted protein degradation, combined with a variety of novel methodologies, including crystallography and magnetic resonance.

Guest Editor

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