

Special Issue

Protein–Protein Interactions in Health and Disease

Message from the Guest Editor

All biological systems within a cell are controlled by proteins. While some proteins act on their own, the vast majority of proteins associate physically with each other, forming protein–protein interactions (PPIs), to regulate normal cellular functions and to undertake new biological functions.

An understanding of the physical contact between proteins in a cell is crucial for understanding cell physiology in normal and disease conditions. Many diseases, including cancer, are the result of the disruption of regular PPIs as well as aberrant PPIs, including endogenous cellular proteins and proteins from pathogens. Therefore, the reconstruction of regular or inhibition of aberrant interactions has significant clinical importance. PPIs can be affected by small molecules, some of which are already approved for clinical applications, therefore studying the nature of the PPIs is important for drug development.

Guest Editor

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