



Protein Structure–Function Relationships 2.0

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Message from the Guest Editor

Proteins, the workhorses of the cell, essentially participate in all aspects of living systems. These biopolymers have always been the prime focus of extensive research, aiming to elucidate structure–function relationships. Proteins have a wide range of functions, including signal transduction, ion and nutrient transport, and various other essential processes required for the functioning of biological systems. Understanding the structure–function relationships of proteins is a hot topic, holding great importance in structural biology. The study of the impact of protein mutation, protein interaction with other proteins, and the binding of ligands on protein structure dynamics and function will help to provide valuable insight. Further, structural features are widely exploited in designing and developing small-molecule inhibitors targeting the therapeutic management of various life-threatening diseases. This Issue aims to invite articles focusing on structure–function relationships, drug discovery, evolutionary insights, and structural genomics using combined in silico and experimental methods.





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