

Special Issue

Protein Folding and Misfolding ---- Structure and Functions

Message from the Guest Editors

Nearly all biological processes rely on the conformational states of interacting macromolecules. It is, therefore, not surprising that the study of protein folding and misfolding has played a central role in chemistry and biology. In particular, substantial experimental and theoretical efforts have been devoted to understanding the general rules of folding, as well as to deciphering the mechanisms that lead to misfolding and related diseases. Furthermore, the discovery that a large fraction of the proteome is essentially disordered, while being fully functional, has revolutionized our comprehension of the structure–function relationships, posing the description of intrinsically disordered proteins as a key problem in modern science. This Special Issue focuses on recent studies that contribute to our understanding of protein folding and misfolding, as well as on the role of intrinsic disorder in protein functions. Original research articles and reviews on these and related topics are welcome in this Special Issue.

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