



Protein Misfolding Diseases: Molecular Mechanisms and Therapeutic Strategies

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Message from the Guest Editors

Misfolded proteins and their isoforms are increasingly being recognized as cytotoxic agents over a wide range of human disorders associated with protein aggregation and biomolecular condensate formation. These disorders, including Alzheimer's and Parkinson's diseases, type II diabetes, and amyotrophic lateral sclerosis, among others, are increasingly prevalent and profoundly debilitating. Recent years have witnessed extensive mechanistic investigations, both *in vitro* and *in vivo*, leading to the proposal of various therapeutic strategies. These approaches aim at restoring protein and cellular homeostasis through interventions utilizing natural products, small molecules, antibodies, or human metabolites. This Special Issue will cover some of the most advanced developments in this field, ranging from mechanistic *in silico* studies, to bench science, method development, and pre-clinical studies.





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