Special Issue

Protein Misfolding Diseases: Molecular Mechanisms and Therapeutic Strategies

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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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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