Special Issue

Molecular Chaperones in Neurodegenerative Diseases: Mechanistic Role and Therapeutic Potential

Message from the Guest Editor

Molecular chaperones regulate multiple aspects of protein processing in normal and disease conditions. In particular, during normal conditions, heat shock proteins (Hsps), such as molecular chaperones Hsp90 and Hsp70, are involved in protein folding and degradation. In abnormal conditions, mutation or posttranslational modification of a disease-associated protein leads to changes in chaperone complex processing, protein misfolding, and aggregation. A better understanding of the role of these chaperones and their co-chaperones in neurodegenerative diseases will provide mechanistic insights into disease progression and potentially lead to new therapeutic options. The focus of this special issue is on the mechanistic and therapeutic potential of molecular chaperones in Alzheimer's disease, Parkinson's disease, Huntington's disease, Amyotrophic Lateral Sclerosis, and other neurodegenerative disorders.

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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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