Special Issue

Targeting Protein Misfolding: From Alzheimer's Amyloids to Therapeutic Peptides

Message from the Guest Editor

Protein misfolding accompanies many complex diseases, including Alzheimer's disease, diabetes and prion diseases. Whether this process is at the center of the etiology of these diseases still remains an open question. This observation suggests a multi-factorial etiology of this disease—where protein misfolding along with other processes contributes to neurodegeneration. The mechanism of the misfolding of proteins into amyloids has been thoroughly studied. On the other hand, the dissolution of mature fibrils and neurotoxic oligomers has been studied much less. Monoclonal antibody therapy is very costly and unlikely to solve the problem of dementia and Alzheimer's disease. For this Special Issue, in the quest for alternative solutions, supporting multi-factorial therapy, we welcome contributions dealing with the process of the dissolution of amyloid species, especially concerning □-amyloid, and those focusing on peptides called □-sheet breakers.

Guest Editor

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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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