Special Issue

Recent Advances in Understanding and Treating Amyloidosis

Message from the Guest Editor

Amyloidosis is a hallmark of several neurodegenerative disorders (NDs) that afflict large numbers of the world's population. To date, approximately 50 distinct human pathologies, including Alzheimer's disease (AD), Parkinson's disease (PD), and amyotrophic lateral sclerosis (ALS), have been related to the accumulation of amyloid deposits that consist of ordered protein assemblies formed by a specific peptide or protein.

Amyloid-□, □-synuclein, and transactive response DNA-binding protein 43 (TDP43), which are involved in AD, PD, and ALS, possess metal-binding sites that have been linked to their neurotoxicity. The binding with metal ions triggers the formation of toxic oligomers and aggregates but, often, also the production of reactive oxygen species.

This Special Issue aims to highlight recent advances in our understanding of the toxic mechanisms involved in NDs and new therapeutic opportunities to modulate self- and metal-induced amyloid aggregation and toxicity.

We welcome original research papers, review articles, and short communications on recent advances and emerging concepts in amyloid-related research.

Guest Editor

Dr. Valentina Oliveri
Department of Chemistry, Università degli Studi di Catania, Catania, Italy

Deadline for manuscript submissions

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Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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