

## Special Issue

# Protein Aggregates Toxicity: New Insights into the Mechanisms 2.0

### Message from the Guest Editors

A broad range of evidence suggests that the aggregation of misfolded peptides or proteins is the predominant process underlying neurodegenerative disorders, such as Alzheimer's disease (AD), Parkinson's disease (PD), synucleopathies, prion diseases, amyotrophic lateral sclerosis (ALS) and other dementias. These peptides/proteins convert from their soluble states into aggregated species accumulating within organs and tissues, either as intracellular inclusions or extracellular deposits, causing an imbalance of the intracellular redox status and ion levels, membrane perturbation, mitochondria injury, and cell death. Thus, understanding the mechanisms of neuronal toxicity should provide insights into new therapeutic strategies for prevention and/or treatment of neurodegenerative diseases. In this Special Issue, we invite researchers to update the readers on the most advanced knowledge about the specific mechanisms underlying the pathogenesis and progression of protein deposition diseases. Review articles describing the current state-of-the-art and future diagnostic and therapeutic approaches are also welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 April 2023)



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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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