

Special Issue

Tracking Back Proteotoxicity in Neurodegenerative Diseases

Message from the Guest Editors

Many neurodegenerative diseases belong to the large category of proteinopathies, conditions characterized by the presence of proteinaceous inclusions within and/or outside the degenerating neurons. The identification of such aggregates supports the view that misfolded proteins represent a basic requirement for the neurodegenerative process and provides input to verify the existence of possible dysfunctions of the biological systems influencing protein homeostasis. Besides the impairment of intracellular protein catabolic systems, epigenetic mechanisms are often involved, implying a putative environmental contribution to altering the physiological processes involved in the synthesis of disease-specific proteins. This may result in the overproduction of post-translationally modified proteins more prone to aggregation. The aim of this Special Issue consists in enlarging the focus of our previous Special Issue “[Proteotoxicity and Neurodegenerative Diseases](#)”, tracing back even more the steps leading to protein aggregates, including also chromatin and DNA modification and transcription factor interactions, besides RNA metabolism alterations.

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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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