

Special Issue

Proteotoxicity and Neurodegenerative Diseases

Message from the Guest Editors

In neurodegenerative diseases, both environmental and genetic factors contribute to altering the physiological processes involved in the synthesis of disease-specific proteins, resulting in a protein over-production or in the generation of post-translationally modified protein forms more prone to aggregation. Furthermore, the impairment of intracellular protein catabolic systems plays a crucial role in proteotoxicity, and the prion-like spreading of pathological proteins further amplifies neuronal damage. A better comprehension of the molecular mechanisms responsible for proteotoxicity in neurodegenerative diseases can allow the identification of both new therapeutic targets and useful biomarkers for these devastating disorders.

Guest Editors

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