

Special Issue

Research on Protein Misfolding

Message from the Guest Editor

Protein misfolding is a mechanism that occurs during the cell life cycle and can be due to a variety of causes, such as protein co- and post-translational modification, oxidative stress, genetic mutations, and thermal stress. As a consequence of misfolding, proteins expose hydrophobic residues that generate protein aggregates that impair the normal cellular activities. The accumulation of misfolded proteins determines the ER stress, leading to activation of the unfolded protein response (UPR). Protein misfolding and aberrant protein aggregation are currently considered important mechanisms in several degenerative diseases, closely related to ROS production, inflammatory processes and mitochondrial dysfunction. In this Special Issue we aim to collect new research and reviews to highlight these correlations and provide new information on their relevance for degenerative diseases and possible therapies.

Guest Editor

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