

Special Issue

Proteostasis and Proteasome Inhibitors

Message from the Guest Editor

The function of proteins is largely affected by their tridimensional structure, nevertheless incorrect folding of proteins is an inevitable problem that is present in all eukaryotic organelles. Misfolded proteins often present reduced or even absent activity and can be the basis of several proteinopathies, including neurodegenerative diseases or even lysosomal storage disease. To prevent the aggregation of misfolded proteins, eukaryotic cells have evolved robust pathways that are often interconnected with compartmental protein quality control. These pathways detect misfolded proteins and action refolding into functional proteins using chaperones, sequestering them in large inclusions pathway proteins, small heat shock chaperone, or degrading them through the ubiquitin-proteasome system or autophagy. This special issue will be dedicated to all aspects of proteostasis, protein quality control pathways, and proteasome inhibitors. Prof. Dr. David Pereira

Guest Editor

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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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