



## Proteostasis and Proteasome Inhibitors

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### Message from the Guest Editor

Dear Colleagues,

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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