

Special Issue

The Assembly and Function of Proteasomes in Health and Disease

Message from the Guest Editors

The 26S proteasome is the largest and most complicated protease in eukaryotes. This fascinating molecular machine must identify, capture, and process specific substrates amidst a virtual sea of other proteins with exceptional selectivity and fidelity to maintain cell health. Proteasomal proteolysis touches virtually every facet of biology and is deregulated in cancers, neurodegenerative diseases, autoimmune disorders, and diabetes. Although proteasomes were discovered over 30 years ago, new and unexpected twists in our understanding of proteasome biology continue to emerge. This Special Issue will focus on the assembly, function, and regulation of the proteasome both under physiological and pathological conditions. Original manuscripts and reviews covering any aspect proteasome biology are very welcome.

Guest Editors

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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