Special Issue

Role of Proteases in Cancer

Message from the Guest Editors

Protein degradation, or proteolysis, is one of the most important processes in living organisms; therefore, proteases perform multiple functions in both normal and pathological states. Particularly, proteolytical degradation of extracellular matrix proteins by proteases is accepted as an event promoting neoplastic progression, although proteases that suppress cancer spreading have been identified as well. Proteases perform complex and dynamic roles in cancer, as their expression is altered in most tumor cells. There are five major types of human protease classes established based on their catalytical mechanism: aspartic, cysteine, metalloproteinases, serine, and threonine. The roles of proteolytic enzymes may vary among cancer types and stages of malignant transformation and may include multiple classes of proteases and multiple proteolytic pathways within one type of cancer. Over the past four decades, significant information has been generated about the different functions of proteases in cancer. This Special issue will highlight the newest findings and advances in our understanding of proteinase-mediated molecular pathways in cancer.

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Deadline for manuscript submissions

closed (31 December 2021)

Biomolecules

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/68193

Biomolecules
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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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