Special Issue

New Insights into Cancer Genomics

Message from the Guest Editor

DNA damage is widely acknowledged as a pivotal factor in the development and progression of cancer. Lesions in the DNA result in the formation of abnormal nucleotides or nucleotide fragments, leading to breaks in one or both strands of the DNA molecule. Such damage significantly increases the likelihood of mutations. Genomic instability stands out as one of the primary drivers of cancer development. DNA repair pathways play a crucial role in rectifying DNA lesions caused by damaging agents or carcinogens, thereby preserving genomic stability. Inadequate DNA repair mechanisms represent a critical catalyst in the establishment, progression, and evolution of cancer. The wealth of cancer-related genomic data is enabling more precise diagnoses and tailored treatment strategies, a paradigm known as precision medicine. In this Special Issue, we invite submissions from diverse fields encompassing carcinogenesis, DNA damage, DNA repair, genomic instability, and related areas. It is important to note that our pre-screening process does not favor dry lab studies or clinical case reports lacking substantive representation.

Guest Editor

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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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