Special Issue

DNA Damage Repair and Cancer Therapeutics

Message from the Guest Editor

This Special Issue aims to bring together cutting-edge research and reviews that explore the intricate relationship between DNA repair mechanisms and cancer treatment strategies. By focusing on this critical intersection, we seek to highlight innovative therapeutic approaches and deepen our understanding of how targeting DNA repair pathways can enhance cancer treatment outcomes, which is of great interest to the field at large. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Mechanisms of DNA damage and repair;
- The role of DNA repair pathways in cancer development;
- Targeting DNA repair mechanisms in cancer therapy;
- PARP inhibitors and other DNA repair inhibitors;
- Combination therapies involving DNA repair inhibitors;
- Biomarkers for DNA repair defects in cancer;
- Personalized medicine approaches based on DNA repair profiles;
- Immunotherapy and DNA damage response.

We look forward to receiving your contributions. We believe that this Special Issue will significantly advance our understanding of DNA damage repair and its potential in cancer therapy.

Guest Editor

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Message from the Editorial Board

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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