

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

Dr. Wenjing Li

Biochemistry & Structure Biology, University of Texas Health San Antonio, San Antonio, TX, USA

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Biomolecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomolecules@mdpi.com

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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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Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

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