

Special Issue

DNA Damage, Mutagenesis, and Repair Mechanisms

Message from the Guest Editors

DNA damage (lesions) continuously occurs in cellular DNA due to multiple internal and external factors. This includes physiological DNA breaks generated by specific enzymes during B and T lymphocyte development. Multiple DNA repair pathways exist to recognize, process and repair damaged or altered DNA. Additionally, the DNA damage response signaling pathway (DDR) is activated, involving enzymes that modify proteins, including histones within chromatin. Inefficient DNA repair is often linked to various diseases and syndromes affecting the immune system, nervous system, cancer development and aging. We welcome original research manuscripts and review articles covering any aspects of DNA damage, mutagenesis and DNA repair for publication. We eagerly anticipate your valuable contributions.

Guest Editors

Dr. Valentyn Oksenych

Dr. Sofie Lautrup

Dr. Péter Csaba Huszthy

Deadline for manuscript submissions

closed (30 April 2025)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/201411

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

[mdpi.com/journal/
biomolecules](https://mdpi.com/journal/biomolecules)





Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



[mdpi.com/journal/
biomolecules](https://mdpi.com/journal/biomolecules)



About the Journal

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.

Editors-in-Chief

Prof. Dr. Peter E. Nielsen

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

Author Benefits

Open Access

— free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Biochemistry)