

Special Issue

Epigenetics in Cancer

Message from the Guest Editor

Recently, it was reported that epigenetic deregulation, such as abnormal histone modifications, DNA methylation patterns and non-coding RNA expression levels, plays a critical role in human tumorigenesis. The enzyme group that controls abnormal molecular modification and non-coding RNA is considered to be an important target group for cancer treatment. In addition, advanced technologies, such as ChIP-seq, ATAC-seq, Hi-C, and ChIA-PET, have been used to unveil sophisticated chromatin regulation mechanisms, which may allow us to explore the importance of epigenetics in a systematic manner. With this Special Issue, we aim to clarify the significance of epigenetic deregulation in cancer, in particular using advanced technologies. This Special Issue will include reviews, original research articles and short contributions.

Guest Editor

Dr. Ryuji Hamamoto

Division of Molecular Modification and Cancer Biology, National Cancer Center Research Institute, Tokyo 104-0045, Japan

Deadline for manuscript submissions

closed (31 October 2020)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/30136

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)