



The Role of MicroRNAs, Long Non-coding RNAs and Circular RNAs in Cancer Metastasis and Cancer Therapy Resistance

Guest Editor:

Dr. Peixin Dong

Department of Obstetrics and
Gynecology, Hokkaido University
School of Medicine, Hokkaido
University, Sapporo 060-8638,
Japan

Deadline for manuscript
submissions:

closed (23 March 2022)

Message from the Guest Editor

Non-coding RNAs (ncRNAs), including microRNAs (miRNAs), long non-coding RNAs (lncRNAs) and circular RNAs (circRNAs), make up most of the human transcriptome and have been hot spots in recent years. MiRNAs are small endogenous non-coding RNAs that bind to complementary sequences in their target mRNAs to modulate the expression of target mRNAs. LncRNAs competitively sponge miRNAs as competing endogenous RNAs, indirectly controlling the effects of miRNAs on their target genes. LncRNAs can also mediate gene transcription by binding chromosomal DNA or recruiting transcription factors. CircRNAs interact with diverse molecules (including miRNAs) to regulate gene expression and cell function. Accumulating evidence indicates that miRNAs, lncRNAs and circRNAs play crucial roles in tumorigenesis, tumor development, metastasis and sensitivity to radiation, chemotherapy and targeted therapies. This Special Issue focuses on the novel roles of ncRNAs (including miRNAs, lncRNAs and circRNAs) in cancer metastasis and cancer therapy resistance.





an Open Access Journal by MDPI

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

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.

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 & Molecular Biology*) / CiteScore - Q1 (*Biochemistry*)

Contact Us

Biomolecules Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biomolecules
biomolecules@mdpi.com
[X@Biomol_MDPI](https://twitter.com/Biomol_MDPI)