

Special Issue

The Role of Non-Coding RNAs in Health and Disease

Message from the Guest Editor

Non-coding RNAs have emerged as pivotal molecular regulators in numerous biological processes, fundamentally altering our understanding of the complexities within the central dogma of biology. This Special Issue, “Non-Coding RNAs in Health and Disease”, aims to explore the multifaceted roles of non-coding RNAs, encompassing microRNAs (miRNAs), long non-coding RNAs (lncRNAs), circular RNAs (circRNAs), and others, in orchestrating cellular functions, disease progression, and the maintenance of health. The collection of articles, reviews, and research papers presented in this issue delves into the latest discoveries and innovative approaches in non-coding RNA research, highlighting their significance in gene expression regulation, epigenetic modifications, and their potential as therapeutic targets and diagnostic biomarkers.

Guest Editor

Dr. Narasimman Gurusamy

Department of Pharmaceutical Sciences, Barry and Judy Silverman College of Pharmacy, Nova Southeastern University, 3200 South University Drive, Fort Lauderdale, FL 33328, USA

Deadline for manuscript submissions

30 June 2025



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.4
Indexed in PubMed



mdpi.com/si/201877

Biomolecules

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 9.4
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, CAPIus / SciFinder, and other databases.

Journal Rank:

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