

Special Issue

Modifications of Molecular Structure and Interactions in Epigenome, 3rd Edition

Message from the Guest Editors

Epigenetic regulation involves heritable changes in gene expression that occur independent of changes in the primary DNA sequence. Such changes in gene expression are coupled to the chromatin structure.

Modifications of its components, like DNA methylation, covalent histone modifications, nucleosome positioning, histone variants, and miRNAs, adds up to combinatorial patterns collectively termed as epigenome. The regulatory machinery also involves numerous enzymes and other proteins interacting with chromatin components. The understanding and precise description of such molecular interactions is key to the mapping of the epigenome, and to the design of new molecules interfering with epigenetic diseases. The present Special Issue welcomes manuscripts on molecular interactions of epigenetic regulation, including new methodological approaches and applications of established techniques.

Guest Editors

Dr. Uko Maran

Institute of Chemistry, University of Tartu, 14A Ravila Str., 50411 Tartu, Estonia

Dr. Csaba Hetényi

Department of Pharmacology and Pharmacotherapy, Medical School, University of Pécs, Szigeti út 12, 7624 Pécs, Hungary

Deadline for manuscript submissions

closed (20 June 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/175996

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

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





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, PMC, MEDLINE, Embase, CAPus / SciFinder, and other databases.

Journal Rank:

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