

Special Issue

New Sights into Bioinformatics of Gene Regulations and Structure

Message from the Guest Editors

This Special Issue, we focus on bioinformatics and systems biology approaches to genomics and biotechnology problems. The central problem includes the analysis of gene expression regulations, bioinformatics of regulatory molecular mechanisms and network interactions underlying gene function manifestation. Topics of the Special Issue include the following:

- Analysis of gene expression regulation;
- Genomics and omics technology applications;
- Gene networks and associative networks analysis;
- Protein structure analysis and biophysical models;
- Interdisciplinary research in computational genomics of model organisms - plants, animals, bacteria;
- Systems approaches for gene expression analysis including Machine Learning and AI.

We welcome novel materials on topics that extend beyond the conference discussion.

Prof. Dr. Nikolay Kolchanov

Guest Editors

Prof. Dr. Yuriy L. Orlov

Dr. Anastasia A. Anashkina

Prof. Dr. Nikolay A. Kolchanov

Deadline for manuscript submissions

closed (15 July 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/168685

*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)