

## 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

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### Guest Editors

Prof. Dr. Yuriy L. Orlov

Dr. Anastasia A. Anashkina

Prof. Dr. Nikolay A. Kolchanov

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### Deadline for manuscript submissions

closed (15 July 2024)



## International Journal of Molecular Sciences

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Tel: +41 61 683 77 34  
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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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.

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### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

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