

Special Issue

Selected Papers from the HSG-2022 Conference

Message from the Guest Editor

The advent of high-throughput sequencing platforms opened a new era in biology by allowing researchers to obtain and analyze huge data bodies. Every year, novel methods and techniques emerge which broaden our capabilities and interests, reaching far beyond the central dogma of molecular biology, i.e., DNA-seq, RNA-seq, and Ribo-seq. The transcriptomes of single cells, protein-nucleic interactions, rare somatic mutations (DNA-seq with UMI), immunoglobulin repertoires, 3D arrangements of a genome (Hi-C), microbial communities, and many other approaches already acknowledge the presence of sequences. This has illuminated several conclusions about the molecular mechanisms of these processes. The HGS-2022 conference will feature talks about genomics of prokaryotes and eukaryotes, metagenomics of microbial communities, medical genomics, transcriptomics, protein-nucleic interactions, and translations, providing a forum to report and discuss novel high-throughput sequencing methodologies and their perspective application in research and technology. Abstracts accepted for the conference can be published in a Special Issue of the journal IJMS (subject to peer review).

Guest Editor

Dr. Marsel Kabilov

Institute of Chemical Biology and Fundamental Medicine, Siberian Branch of the Russian Academy of Sciences, Novosibirsk, Russia

Deadline for manuscript submissions

closed (31 July 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



mdpi.com/si/113803

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

mdpi.com/journal/

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





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



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

ijms



About the Journal

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.

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

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, CAPlus / SciFinder, and other databases.

Journal Rank:

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