

Special Issue

New Insights in Translational Bioinformatics

Message from the Guest Editor

Translational bioinformatics is an emerging field that focusses on providing efficient translation of basic science (molecular, genetic and cellular) and clinical data into clinical practice. New technologies and the increasingly voluminous amounts of scientific and clinical data are posing challenges in different fields, such as single-cell analysis, spatial image analysis, genomics, proteomics, transcriptomics, multi-omics data analysis, multimodal integration of molecular and clinical data, drug discovery, personalised medicine and biomarkers. In this Special Issue, manuscripts focusing on topics including but not limited to single-cell sequencing, spatial imaging, machine learning, artificial intelligence, next-generation sequencing for personalised medicine and biomarkers, rare and common variants of disease, drug discovery, system biology, pharmacogenomics, biomedical data mining and data visualisation are invited. Original research articles, reviews, opinions/commentaries, perspectives and short communications are welcome.

Guest Editor

Dr. Camelia Quek

Faculty of Medicine and Health, The University of Sydney, Sydney, NSW 2006, Australia

Deadline for manuscript submissions

closed (14 June 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/167042

*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*, 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 (Organic Chemistry)