

Special Issue

Data Analysis and Integration in Cancer Research

Message from the Guest Editors

Recent technological advancements in genomics have paved the way to a deeper understanding of the mechanisms driving the onset and progression of cancer, providing an unprecedented source of information for the investigation of the features determining treatment outcomes.

The amount and diversity of currently available data poses an important challenge: the ability to meaningfully analyze and integrate information from different biological sources, in order to obtain a more detailed and complete picture of the complex dynamics behind biological events related to cancer.

In this regard, advances in bioinformatics and computational biology techniques, along with dedicated tools, are essential for the integrative analysis of high-dimensional data.

This Special Issue will cover a selection of research articles, review articles, and commentaries reporting recent methodological advancements on the analysis and integration of high-dimensional data, with a particular focus on (multi-)omics technologies in the study of molecular dynamics in cancer.

Guest Editors

Dr. Antonio Federico

Finnish Hub for Development and Validation of Integrated Approaches (FHAIVE)—Faculty of Medicine and Health Technology, Tampere University, 33100 Tampere, Finland

Dr. Giovanni Scala

Faculty of Medicine and Life Sciences, University of Tampere, Tampere, Finland

Deadline for manuscript submissions

closed (31 October 2019)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/21113

*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](http://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/](http://mdpi.com/journal/ijms)

[ijms](http://ijms.mdpi.com)

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)

