

## Special Issue

# Biomarkers in Hematological and Oncological Malignancies: Identification, Validation and Involvement in Molecular Pathways

### Message from the Guest Editor

The identification and validation of biomarkers in hematological and oncological research are an intensely active field of medical research. In recent years, an increasing number of novel biomarkers were identified thanks to the advent of high-throughput technologies for genomics, proteomics, transcriptomics analyses. However, much work is still needed for their validation as well as identification of the altered molecular pathways in which they are involved. In this context, research biobanks will have a critical role in supporting the identification and validation of biomarkers as well as for accelerating their translation into clinical practice, other than supporting the reproducibility of data thanks to the harmonization of the procedures applied in sample processing. The aim of this special issue is to present scientific contributions including but not limited to the following arguments: biobanks for supporting translational research; identification and validation of biomarkers involved in leukemogenesis and oncogenesis; prospective evaluation of biomarkers for precision medicine and personalized medicine; biomarkers identification and validation.

### Guest Editor

Dr. Peppino Mirabelli

SYNLAB IRCCS SDN, via E. Gianturco n. 113, 80143 Napoli, Italy

### Deadline for manuscript submissions

closed (31 March 2021)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/53043](https://mdpi.com/si/53043)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto: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)