

Special Issue

Biomarkers in Cancers: New Advances

Message from the Guest Editors

In recent years, there have evolved several diagnostic techniques and procedures used to diagnose cancer. Nevertheless they often produce undesired high levels of false positives, and they're also expensive, have accessibility issues, and involve exposure to ionizing radiation.

Now, a number of assays have been developed for microRNA, circulating DNA, measuring protein, and methylated DNA biomarkers in the blood for the detection of cancer. In addition, biopsies for molecular and biomarker diagnosis have also been utilized but are uncomfortable for patients. Moreover, while these approaches are of clinical value that is more specific to late-stage cancer, they have limited value for the early detection of cancer. So, the identification of highly specific and highly selective novel molecular biomarkers for cancer diagnosis is warranted. In this Special Issue, we describe the pros and cons of current molecular approaches used in the diagnosis of cancer, as well as the technical advances and challenges for establishing molecular biomarkers for determining the risk, detection, and progression of cancer.

Guest Editors

Dr. Christa Nöhammer

AIT Austrian Institute of Technology GmbH, 1210 Vienna, Austria

Dr. Walter Pulverer

Molecular Diagnostics, AIT Austrian Institute of Technology GmbH, 1210 Vienna, Austria

Deadline for manuscript submissions

closed (30 March 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/186798

*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)* 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, and molecular biophysics. *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. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, CAPus / SciFinder, and other databases.

Journal Rank:

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