

Special Issue

Circulating Cell-Free Nucleic Acids and Cancers: 2nd Edition

Message from the Guest Editor

The liquid biopsy has great potential for precision medicine, especially for solid tumors. In a liquid biopsy, the targeting of circulating cell-free nucleic acids (cfNA), is one of the most interesting aspects because many cancer biomarkers, already identified in the tissue, can be found in circulating cell-free DNA (cfDNA). Studies on cfNA have a high translational potential for clinical practice. The analysis of cfNA has the advantage of being highly specific but simpler and lower costing. Thus, they can be useful to facilitate therapeutic decision-making and to predict tumor burden after therapies or the acquired treatment resistance. Topics of interest for this Special Issue include but are not limited to the following:

1. Liquid biopsy targeting cfNA for cancer molecular diagnostic
2. Clinical validity and utility of cfNA analysis for tumors
3. Epigenetic markers for cancer by liquid biopsy
4. Extracellular Vesicle biomarkers in liquid biopsy
5. New insights in cfNA biomarkers (cfDNA, ctDNA, cfDI and cfRNA) for screening, diagnosis, prognosis, follow-up and therapeutic management of tumors
6. New techniques to evaluate cfNA
7. Liquid biopsy on Exosome for cancer diagnostic

Guest Editor

Dr. Bruna Scaggiante

Department of Life Sciences, University of Trieste, Giorgeri 1, 34127 Trieste, Italy

Deadline for manuscript submissions

closed (20 March 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/120442

*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)