



Liquid Biopsies in Oncology

Guest Editors:

Dr. Sandra V. Fernandez
Department of Pathology, Fox
Chase Cancer Center,
Philadelphia, PA 19111, USA

Dr. Carmela Paolillo
Department of Clinical and
Experimental Medicine,
University of Study of Foggia,
71122 Foggia, Italy

Deadline for manuscript
submissions:
closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

We invite scientists to submit original research focused on the application of liquid biopsies as an innovative tool in cancer diagnosis and monitoring. Articles may also be focused on understanding how circulating molecules offer new therapeutic strategies in cancer treatment. Review articles that describe the state of the art on this topic are also encouraged. This Special Issue, focusing on liquid biopsies in oncology, includes the use of circulating tumor DNA (ctDNA), circulating tumor cells (CTCs), circulating tumor RNAs (ctRNAs) as well as miRNAs, and extracellular vesicles (EVs). The topics of interest for this Special Issue include, but are not limited to, the following:

- Liquid biopsy for cancer screening, diagnosis, prognosis, follow-up and therapeutic management of tumors
- Liquid biopsy for the detection of actionable oncogenic mutations in cancers
- Liquid biopsy targeting ctDNA for molecular diagnosis of cancer
- Clinical validity and utility of ctDNA and ctRNA for tumor analysis
- Extracellular vesicle biomarkers
- New techniques to evaluate cell-free molecules
- Liquid biopsy on exosome for cancer diagnosis
- Liquid biopsies and epigenetics





an Open Access Journal by MDPI

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

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.

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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

International Journal of Molecular
Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI