Special Issue

Cancer Biomarker: Current Status and Future Perspectives

Message from the Guest Editors

In recent years, omics technologies have led to the identification of numerous biomarkers based on DNA, RNA, miRNA, long non-coding RNA, protein, and metabolic and lipidic alterations that may be combined with clinical pathological data to greatly predict cancer progression, patient outcome, cancer recurrence, and therapeutic treatment responses.To date, only a few cancer biomarkers have entered into clinical practice. However, the search for new prognostic and predictive biomarkers is the object of many studies performed on cells, blood samples, and tissues. In this context, so-called "liquid biopsies" allow a snapshot of a patient's pathophysiological state at a given time and provide dynamic monitoring with insight into the spatial and temporal clonal evolution processes of the tumor, including secondary resistance to treatment, which is prohibited by the invasiveness of tissue biopsies.The aim of this Special Issue is to present the latest research on the identification of new genetic, epigenetic, miRNA, protein, metabolic, and lipidic cancer biomarkers, and their combination and integration by bioinformatics and systems biology approaches.

Guest Editors

Dr. Susan Costantini

Experimental Pharmacology, Istituto Nazionale Tumori—IRCCS—Fondazione G. Pascale, 80131 Naples, Italy

Dr. Francesca Capone

Experimental Pharmacology, Istituto Nazionale Tumori—IRCCS—Fondazione G. Pascale, 80131 Naples, Italy

Deadline for manuscript submissions

closed (15 September 2024)

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 (Inorganic Chemistry)