



## Cancer Biomarker: Current Status and Future Perspectives

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

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### Message from the Guest Editors

Dear Colleagues,

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.





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### 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

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*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
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