

## 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.

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 September 2024)



## International Journal of Molecular Sciences

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