



## Biomarkers in Cancer

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### Message from the Guest Editor

Cancer biomarkers are any measurable indicator of risk of cancer, occurrence of cancer, or patient outcome. They may include, among other things, germline or somatic genetic variants, epigenetic signatures, transcriptional changes (in mRNA, microRNA, or other non-coding RNA), and proteomic signatures. These indicators are based on biomolecules, such as nucleic acids and proteins, that can be detected in samples obtained easily and non-invasively from blood (or serum or plasma), saliva, buccal swabs, stool, urine, or sputum. They can also be detected in samples from tissues, but in this case a biopsy is necessary. Detection technologies have advanced tremendously over the last few decades, including techniques such as next-generation sequencing, single-cell genomics.

This Special Issue will contain original research articles and reviews describing the background on cancer biomarkers and providing updated knowledge of recent advances. We welcome articles that focus on biomarkers for cancer predisposition, screening/early detection, or diagnosis confirmation, as well as biomarkers for personalized cancer treatment.





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