Molecular Biomarkers in Cancers: Advances and Challenges

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Message from the Guest Editors

Most of the non-imaging techniques for cancer detection are employed to corroborate biomarkers that are over-expressed in cancer cells. A number of assays have been developed to measure protein, microRNA, circulating DNA, and methylated DNA biomarkers in the blood for the detection of cancer. While these approaches are of clinical value that is more specific to late-stage cancer, they have limited value for the early detection of cancer. Accordingly, the identification of highly specific and highly selective novel molecular biomarkers for cancer diagnosis that also provide information on staging of the disease is warranted.

In this Special Issue, we describe the pros and cons of current molecular approaches used in the diagnosis of cancer, as well as the technical advances in and challenges for establishing molecular biomarkers for determining the risk, detection, and progression of cancer.

Special Issue

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Message from the Editor-in-Chief

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