Special Issue

Biomarkers in Cancers: New Advances

Message from the Guest Editors

In recent years, there have evolved several diagnostic techniques and procedures used to diagnose cancer. Nevertheless they often produce undesired high levels of false positives, and they're also expensive, have accessibility issues, and involve exposure to ionizing radiation.

Now, a number of assays have been developed for microRNA, circulating DNA, measuring protein, and methylated DNA biomarkers in the blood for the detection of cancer. In addition, biopsies for molecular and biomarker diagnosis have also been utilized but are uncomfortable for patients. Moreover, 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. So, the identification of highly specific and highly selective novel molecular biomarkers for cancer diagnosis 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 and challenges for establishing molecular biomarkers for determining the risk, detection, and progression of cancer.

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Message from the Editor-in-Chief

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