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Biomarkers Used for the Diagnosis of Diseases

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Message from the Guest Editors

Dear Colleagues,

Research on the discovery of novel biomarkers that allow for the rapid diagnosis of clinical ailments has seen exponential growth in recent years. Interestingly, the discovery of novel biomarkers is supported by the rapid growth in the development of platform technologies that allow for the highly sensitive and specific detection of biomarkers. Nucleic acid biomarkers (micro RNA, cDNA, and ctDNA) and protein biomarkers (cTnT, PSA, CRP, and CYFRA 21-1) are two types of biomarkers that are always under the scrutiny of the wide scientific community, who are working effortlessly to make disease diagnosis simple, rapid.

The detection and quantification of nucleic acid biomarkers and protein biomarkers with high precision, will be key to the early diagnosis of the disease and for monitoring the effects of treatments. Therefore, there is an enormous demand for high-quality biomarker detection platforms. The main topics of this special issue are related but not limited to:

- biomarker detection
- microfluidics
- DNA chips
- protein chips
- lateral flow assays
- lab-on-chip
- point-of-care test
- biosensors



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Special Issue



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Message from the Editor-in-Chief

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