

Special Issue

Aptasensor for Biomarker Detection: From Design to Applications

Message from the Guest Editor

The determination of specific biomarker proteins in complex biological fluids is essential for the diagnosis of certain diseases. Variations in the concentration of biomarkers are correlated with the infected diseases. Quantitative detection of biomarker proteins from the samples is crucial and challenging. It is common practice to use antibodies as bioreceptors for the quantification of proteins. Aptamers exhibit high affinity, and specificity and are sensitive to several biomarker proteins, which allow for the exploration of the probing of new biomarker proteins. The development of aptamer-based (aptasensor), simple, sensitive, and rapid diagnostic methods for the identification of new biomarkers would be of significant interest to researchers. Thus, this Special Issue 'Aptasensor for Biomarker Detection: From Design to Applications' would be an appropriate platform for you to share your recent research findings on aptasensors for biomarker diagnosis. Authors are invited to submit their manuscripts on the discovery of biomarkers through aptasensors and sensor design for the field of applications.

Guest Editor

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Deadline for manuscript submissions

closed (20 March 2024)



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Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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