Special Issue

Biosensors for Extracellular Vesicles

Message from the Guest Editor

I am pleased to invite you to contribute to this Special Issue on Biosensors for Extracellular Vesicles (EVs). These vesicles play a key role in intercellular communication, since they contain lipids, proteins, and nucleic acids which can be transferred to the recipient cells. They are receiving great attention in recent years as potential biomarkers and therapeutic vectors. EVs that are secreted into biological fluids can act as biomarkers for prognosis and monitoring the response to treatment in a range of diseases. This includes autoimmune, vascular diseases, and cancer, among others. Analysis of EVs from body fluids may serve as a source of biomarkers for liquid biopsy. However, the bottleneck at EV research that is limiting clinical translation is the current isolation and quantification techniques. Although various methods exist to analyze EVs, quantification and characterization of EVs in clinical samples remains challenging.

Guest Editor

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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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