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Biosensors for Extracellular Vesicles

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Message from the Guest Editor

Dear Colleagues,

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.



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Special Issue



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Message from the Editor-in-Chief

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