Special Issue

Advances in the Analysis of Single Extracellular Vesicles

Message from the Guest Editor

Extracellular vesicles (EVs) have paradigm-shifting potential to offer earlier and more complete diagnostic information in the form of a minimally invasive liquid biopsy. However, much remains unknown about EVs, and conventional analytical approaches are unable to provide precise information about the contents and sources of EVs. New approaches have emerged to analyze EVs at the single-particle level, including advances in digital assays, flow cytometry, Raman spectroscopy, fluorescence microscopy, and more. Emerging results from these studies will provide the opportunity to study EV biogenesis, to correlate multiple biomarkers to enable higher diagnostic specificity, and to connect EV cargo with the source or destination cells. This Issue will feature articles that continue to advance biosensing technologies for the analysis of single EVs.

Guest Editor

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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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