Special Issue

NanoBioSensing of Extracellular Vesicles in Biofluids

Message from the Guest Editors

Extracellular Vesicles (EVs) are cell-secreted biological particles present in all types of biofluids. Initially considered as cellular dust, EVs are now envisioned as one of the most promising diseases biomarkers and of major interest for therapeutical follow-up. EVs detection represents analytical challenges due to their size dimension/distribution and concentration in complex media. This domain is growing rapidly and try to address also the question of the phenotyping and the discrimination of sub-populations. Many diagnostic tests have been developed to offer highly sensitive, simple, rapid, and cost-effective solutions. Even if increased performances has been obtained in merging nanotechnology, surface chemistry, bioengineering and different detection methods, the (nano)biosensing of EVs is today a major challenge. In this Special Issue, we welcome position paper, reviews and original research papers describing the development and validation of EVs biosensors in any biological fluids. For further information, please visit mdpi.com/si/26108.

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