







an Open Access Journal by MDPI

# NanoBioSensing of Extracellular Vesicles in Biofluids

Guest Editors:

#### Dr. Wilfrid Boireau

FEMTO-ST Institute, CNRS UMR-6174, Université de Bourgogne Franche- Comté, 15B, Av des Montboucons, 25030 Besançon, France

#### Dr. Yu-Jui Fan

School of Biomedical Engineering, Taipei Medical University, 250 Wuxing St., Xinyi Dist., Taipei City 110, Taiwan

Deadline for manuscript submissions:

closed (31 March 2020)

### **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.

Dr. Wilfrid Boireau Dr. Yu-Jui Fan Guest Editors













an Open Access Journal by MDPI

### **Editor-in-Chief**

### Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

## **Message from the Editor-in-Chief**

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

### **Author Benefits**

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases. **Journal Rank:** JCR - Q2 (*Instruments & Instrumentation*) / CiteScore - Q1

(Instrumentation)

#### **Contact Us**