

## Special Issue

# Biosensors for Cancer Detection and Monitoring

### Message from the Guest Editor

Early detection as well as adequate stratification and treatment monitoring can improve the survival rate in many types of cancer. This undoubtedly fuels the need for economic, simple, and low-invasive analytical methods to implement affordable screening plans in health services. Biosensors and bioassays are the ideal tools to cover these niches by using a variety of natural or synthetic probes (antibodies, nucleic acids, aptamers, molecular imprinting polymers, etc.) in combination with smart (nano)materials or amplification schemes to construct devices to be implemented in decentralized or low-resource settings. I cordially invite you to contribute to this Special Issue, which is intended to collect the recent advances in the development and design of novel receptors or sensing platforms for cancer biomarkers of any kind (nucleic acids, proteins, free tumor cells, etc.), improvements in common pitfalls such as fouling or unspecific signals or limited selectivity, and the clinical validation of biosensor and bioassay. Keywords: Cancer biomarker detection; Cancer monitoring; Nucleic acid-based sensors; Immunosensors; Microfluidics; Nanomaterial-based sensors, etc

### Guest Editor

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### Deadline for manuscript submissions

closed (20 November 2020)



## Sensors

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### 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.

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