Journal of Sensors

Special Issue on
Advances in Cancer Diagnosis

Hindawi

CALL FOR PAPERS

The importance of biosensing is demonstrated by the wide range of possible application areas including detection, treatment, and prevention of diseases (e.g., cancer), development of new biomarkers, and nanomedicine. Along with recent advancement in nanotechnologies, this special issue on aims at in-depth fundamental understanding of biological activities, which provides the basis for a diagnostic and treatment platform regarding various cancer-related biomedical interventions. This issue is looking for high quality articles containing original research results and review articles of exceptional merit, which allows the readers of this journal to appreciate the advances in cancer diagnosis.

Potential topics include but are not limited to the following:

- Molecule-level biomarker detection (e.g., RNA, DNA, and protein)
- Biothermal (e.g., temperature) sensing platform
- High throughput screening such as flow cytometry
- Micro/nanofluidic sensing platform
- Portable biosensors such as radio frequency (RF) sensing
- Integrated biosensing system
- Electrochemical biosensing technologies
- Nanoparticle-based sensing system
- Flexible/stretchable sensors
- Optical biosensing technologies

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