Special Issue

Micro-/Nanorobots for Medical Diagnosis and Therapeutic Applications

Message from the Guest Editors

Micro-/nanorobots have progressed significantly over the recent two decades. These tiny machines have demonstrated their ability to transform current medical procedures by offering profound capabilities in targeted therapy, early-stage diagnostics with minimally invasive procedures, and real-time monitoring at the cellular level. They have a wide range of applications, such as tissue biopsy and sampling, in vivo imaging and monitoring, ophthalmology, cardiovascular diagnostics and monitoring, cancer detection, and gastrointestinal diagnosis. Recent trends in micro-/nanorobotic systems for medical diagnosis require the integration of high-sensitivity miniaturized sensors into these robots to provide essential detection and monitoring functions. This Special Issue highlights the latest advances and novel ideas in the design and application of micro/nanoscale robots for medical diagnostics and targeted therapeutics. We welcome submissions encompassing short communications, original research articles, and comprehensive review articles.

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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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