

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.

Guest Editors

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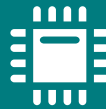
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