

Special Issue

Integrated Robotics for Micromanipulation, Diagnosis and Microsurgery

Message from the Guest Editors

Over the past decade, microrobots have demonstrated their potential to revolutionize traditional medical procedures and medicines in many aspects. The development manipulation technologies and wireless control methodologies of these untethered microrobot/micro-devices will enable minimal invasion into current diagnostic and therapeutic procedures, as well as the possibility of a new procedure that was never before possible. Studies conducted in laboratories on micromanipulation, diagnosis, and microsurgery need to be characterized and verified in clinical settings. On the other hand, robotics have become a part of human life and especially in medical treatment on a global scale, expanding from industrial services to society daily needs. The ultra-high position's accuracy, comparable cost, and scalable capability make robotics ideal for micromanipulation, micro-diagnosis, and microsurgery.

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