Special Issue

Cutting-Edge Microtechnology in Medical Applications

Message from the Guest Editor

The integration of microtechnology in medical fields enables precise sensing, surgical operation, and drug delivery at the microscale. With the help of MEMS (micro-electro-mechanical systems) and microfabrication technology, microtechnology has had a significant impact on current medical applications: implantable microsensors can transfer signals in vivo from targeting tissue or blood vessels, microdevices can perform tissue gripping and cutting at microscale, and microfluidic systems enable wrapping and precision drug delivery. This Special Issue seeks to publish cutting-edge microtechnology in medical applications, including but not limited to MEMS biosensors, the novel design of microdevices for surgical applications, neural probes, and precise drug-delivery approaches with microdevices.

Guest Editor

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