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Medical Micro/Nanorobots

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Deadline for manuscript submissions:
closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

Medical micro/nanorobots that can be navigated into hard-to-reach tissues are promising candidates for the application in biomedicine and micromanipulation. Considerable efforts have been devoted to various aspects of medical micro/nanorobots, including fabrication, propulsion, cargo loading, transportation, and targeted release to achieve therapeutic functions. Various functionalized medical micro/nanorobots have been developed for biological tasks or work in superficial tissues and locations with relatively easier access routes (e.g., the gastrointestinal tract and peritoneal cavity). Minimally invasive administration and deployment of medical microrobots to tissues in deeper locations in the body remain grand challenges toward practical medical applications. Accordingly, this Special Issue seeks to showcase research papers, short communications, and review articles that focus on novel methodological developments in medical microrobots, i.e., novel fabrication technology, functional performance and the breakthrough of biological barriers.

We look forward to receiving your submissions!

Prof. Dr. Tianlong Li
Dr. Zhiguang Wu
Guest Editors

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Message from the Editor-in-Chief

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