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Biomedical Microdevices: State of the Art and Trends

Guest Editors:

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Deadline for manuscript submissions:
closed (30 September 2023)

Message from the Guest Editors

Dear Colleagues,

Biomedical microdevices are broadly defined as the integration of electrochemical/mechanical systems with molecular/biological methods, with applications in environmental and health sectors and, subsequently, with high impact on society and business segments. In recent decades, miniaturization has undergone a resounding evolution, conferring versatility and simplicity to the systems along with time-to-result and cost-per-test savings. The development of new materials and fabrication and integration of different techniques have been enabling new and innovative approaches.

This Special Issue seeks to showcase research papers, short communications, and review articles that focus on the state of the art and new trends of biomedical devices. We welcome manuscripts based on all aspects of biomedical microfluidic devices, including, but not exclusively, novel designs, nanomaterials and nanotechnology, nucleic acid analysis, cellular and molecular detection, cell enrichment, drug delivery, proteins, tissue and organ on chip, lab-on-a-chip, and point-of-care diagnostics.

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Editor-in-Chief

Message from the Editor-in-Chief

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