Special Issue

Micro/Nanofluidic and Lab-on-a-Chip Devices for Biomedical Applications

Message from the Guest Editors

Recently, microfluidic, nanofluidic and lab-on-a-chip devices have gained particular attention in biomedical applications. Due to their advantages, such as miniaturization, versatility, ease of use, cost-effectiveness, and the potential to replace animal models for drug development and testing, these devices hold tremendous potential to revolutionize the research of more effective treatments for several diseases that threaten human life. This Special Issue seeks to gather research papers, and review articles focusing on novel microfluidic, nanofluidic and lab-on-a-chip devices for biomedical applications, addressing all steps related to fabrication, biosensor integration and development, characterization, numerical simulations and validation of the devices, optimization and, if possible, the translation of these devices from research labs to industry settings. We look forward to receiving your submissions.
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Guest Editors

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