Special Issue

Microfluidics for Biomedical Applications

Message from the Guest Editors

Microfluidics is a technique of controlling the behavior of fluids or bioparticles in microscale channels or spaces. The advent of microfluidics has provided new insights into the fields of biomedical research and clinical diagnosis. Compared with conventional techniques. microfluidics offers various advantages, such as low sample consumption, high efficiency, small device footprint, multifunction integration, and high manipulation resolution. To date, microfluidics has been employed for a range of biomedical applications, such as efficient sample pretreatment, single-cell analysis, high-throughput microflow cytometry, organ-on-a-chip, and biosensing. This Special Issue is devoted to the most recent technical innovations and developments in the area of microfluidics, in particular, for biomedical applications.

Guest Editors

Prof. Dr. Nan Xiang

School of Mechanical Engineering, Southeast University, Nanjing 211189, China

Prof. Dr. Zhonghua Ni

School of Mechanical Engineering, Southeast University, Nanjing 211189, China

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Biosensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biosensors@mdpi.com

mdpi.com/journal/biosensors





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Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

Editor-in-Chief

Prof. Dr. Giovanna Marrazza

Department of Chemistry "Ugo Schiff", University of Florence, Via della Lastruccia 3, 50019 Sesto Fiorentino, Italy

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