

Special Issue

Microfluidic Devices for Biological Quantitative Analysis

Message from the Guest Editors

Microfluidics are emerging as a highly attractive technology for chemo- and bioanalytical applications. It is the science and technology of systems that process or manipulate small amounts of fluids or chemicals, offering significant advantages in terms of analytical speed, separation efficiency, reduced sample/reagent consumption, and elimination of contamination. The aim of this issue is to highlight recent advances in the field of on-chip biological quantitative analysis and their applications. Both review articles and original research papers are solicited in, though not limited to, the following areas: Novel microfluidic devices for biological quantitative analysis; New biological analysis methods on microfluidic chips; On-chip biological molecular/cell detection/separation; Advanced microfluidic tools for disease diagnosis and studies; Point-of-care bioassays; Microfluidics-implemented biochemical assays; Droplet-/paper-based microfluidic technologies for biochemistry and molecular biology; Microfluidic platforms for biomedical applications; Microfluidic systems for studying cell–biomaterial interactions.

Guest Editors

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Deadline for manuscript submissions

closed (20 January 2023)



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Chemosensors continues to grow as a forum for all manners of sensing that encompass chemistry. *Chemosensors* is published in open access format – all articles and content are released on the internet immediately following acceptance, thus allowing unlimited access to the content as soon as it is published. We would be happy to have you join our growing list of authors.

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