Special Issue

Microfluidic Devices for Cell Screening Purposes

Message from the Guest Editors

Microfluidics is an interdisciplinary field that focuses on the transport, manipulation, and analysis of small amounts of liquids, cells, and particles. These devices guarantee high portability, accurate control for handling samples, simplified sample pretreatment protocols, low consumption of samples and reagents, high resolution of analysis, and integration of sensors allowing monitoring of cells over a long period, in a label-free manner, to not affect cell phenotype and metabolism. This might help to overcome the aforementioned issues.

- microfluidics
- optical sensors
- cell screening
- microbioreactors
- lab on a chip
- optofluidics
- plasmonics
- nanodevices

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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