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Micromanipulation in Microfluidics

Guest Editors:

Dr. Itziar González
Institute of Physics and Information Technologies, Group of Ultrasonic Resonators, CSIC, Serrano 144, 28006 Madrid, Spain

Dr. Pilar Carreras
Research collaborator at Institute of Physics and Information Technologies, Group of Ultrasonic Resonators, CSIC, Serrano 144, 28006 Madrid, Spain

Deadline for manuscript submissions:
closed (10 January 2020)

Message from the Guest Editors

Dear Researchers,

We are opening this Special Issue entitled "Micromanipulation in Microfluidics", which aims to cover recent progress in this field. Microfluidics is becoming a key technology in an expanding range of fields, including medical sciences, biomanipulation, biosensing, chemical and biological processes, and more. This Special Issue will focus on current emerging methods involving microfluidics for micromanipulation of particles, droplets, cells, and other submicronic elements. Authors are encouraged to submit novel research papers and reviews, with areas of focus that include but are not limited to the following:

1) Combining microfluidics with external systems for sorting purposes: Magnetophoresis, dielectrophoresis, acoustophoresis, hydrodynamic strategies, optical tweezers;

2) Droplet technologies for biological manipulation;

3) Modeling/simulation issues related to manipulation in microfluidics;

4) Microfluidic devices and methods for tissue engineering;

5) "Smart" fabrication materials and components.

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Editor-in-Chief

Prof. Dr. Ai-Qun Liu
1. Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China
2. School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore 639798, Singapore

Message from the Editor-in-Chief

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Contact Us

Micromachines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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