

Special Issue

Micro/Nanofluidics for Cell and Particle Manipulation

Message from the Guest Editors

Manipulation techniques of micro/nanoparticles and cells have gained much attention in sample preparation and analysis for biological and clinical applications. Particularly, microfluidic techniques are widely used due to the advantages of fast processing time, small volume of samples and reagents, miniaturized size, and high accuracy at a reduced cost. Microfluidic particle/cell manipulation techniques are classified into two types: active and passive methods depending on the use of external force fields. In this Special Issue, a wide range of topics are covered, including the design and fabrication of novel microfluidic devices for particle/cell manipulation, numerical, and/or experimental analysis of microfluidic manipulation techniques, and applications of micro/nanofluidic techniques for biological and clinical applications.

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