Special Issue

Design and Fabrication of Microfluidic Chips and Microdevices

Message from the Guest Editor

As a significant frontier of current analytical science, microfluidic technology plays critical roles in many fields such as disease detection, analytical chemistry, drug screening, cell biology, material synthesis, etc. In recent years, microfluidics has been fastly developing as an interdisciplinary research field. Because of its unique ability in fluid control, microfluidic can realize functions that are difficult using conventional methods. The birth and sustainable development of microfluidic technology create unlimited possibilities for research at the micro and nanoscale. To this end, many microfluidic technologies and components have been developed to provide alternative solutions to problems that cannot usually be solved by traditional technologies. Thus the design and development of microfluidics establish the application foundation in various fields. This Special Issue aims to establish a platform to showcase the design, modeling, and manufacture of any microfluidic components for various applications. Both research articles and review papers from any backgrounds are welcome.

Guest Editor

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