



## Microfluidics from Engineering to Applied Biology and Advanced Nanomedicine

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### Message from the Guest Editors

Microfluidics is an exciting research area that can revolutionize the pharmaceutical industry. New strategies can be applied to produce different pharmaceuticals, especially the ones in the nanotechnology field. New in vitro models can be implemented, mimicking the complex cell hierarchy presented in natural tissues, allowing the investigation of different diseases and their treatment. In addition, microfluidic systems can be developed for fast drug screening, accelerating the discovery of new drugs. These features are only possible since microtechniques were developed and allowed researchers to produce microdevices easily. However, new technologies are still being investigated to reduce costs and enable fast and reproductive industrial production. This Special Issue focuses on the recent developments in microfluidics, from microchip technical development to advanced applications in the field of nanomedicine and the organ on a chip.





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