



biosensors



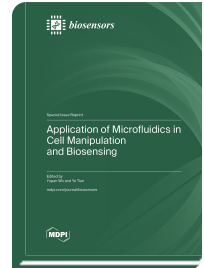
Special Issue Reprint

Application of Microfluidics in Cell Manipulation and Biosensing

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In recent years, point-of-care applications and high-throughput screening in the healthcare and pharmaceutical industries have resulted in the rapid development of microfluidic systems for cell biology and disease diagnostics. The microfluidic method has attracted significant attention in biological and chemical applications, especially in cell manipulation, mixing, and biosensing, due to its distinctive advantages. This Special Issue brings together studies with the following research focuses: a paper-based device for detection purposes, cell concentration by a lamb wave resonator array, a micromixing chip for drug screening, a nano-doped hollow fiber for sensors, exosome separation via DLD and DEP, a trigger valve, an open microfluidic device, and reviews of single-cell sequencing and photonic microfluidic technologies.



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