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Integrated Microfluidic Microarray Biochip and Biosensor

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Deadline for manuscript
submissions:

closed (1 May 2021)

Message from the Guest Editors

Dear Colleagues,

Microarray is a concept implementing multiple probes for a high-throughput parallel analysis. Over the two decades since the invention of the concept, several types of probes, ranging from small molecules, oligonucleotides, antibodies, proteins, and even whole organisms, such as viruses (e.g., bacteriophage), bacteria cells, and mammalian cells, have been utilized for high-throughput sensing in various types of research, such as biosensing and molecular biology studies. When integrated with microfluidic devices, the microarray technique becomes more powerful by reducing the reagent consumption and reaction time, with precise control of the microenvironment, and having a higher compatibility with the automated operation. This Issue intends to cover the technology involved in the integration of microarray and microfluidics, and the benefits/applications made possible by the integration.

For more information, please visit: mdpi.com/si/38542.

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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