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Biomedical Sensors Based on Microfluidics

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Message from the Guest Editors

This Special Issue endeavors to present leading-edge research in the development of medical, biomolecular, and biochemical sensors integrated with microfluidic platforms and their diverse applications in diagnostics, continuous monitoring, and personalized medicine. Topics of interest include, but are not limited to, the following:

- Electrochemical and chemical sensors;
- Optical biosensors and biomedical imaging;
- Acoustofluidic and piezoelectric devices;
- Lab-on-a-chip and organ-on-a-chip devices;
- Wearable devices;
- Extracellular vesicles and nanoparticles;
- Nano-biosensors, nanomaterials, and nanoanalytical systems;
- Nucleic acid analysis and aptasensors;
- Enzyme-based sensors and immunosensors;
- CRISPR technique;
- Polymers, synthetic receptors, and molecularly imprinted polymers;
- Biomaterials and bioengineered sensors.



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Message from the Editor-in-Chief

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