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Micro/Nano-Devices for Biosensing: From Single Molecule Sensing to Device Applications

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Message from the Guest Editor

In recent years, a biosensing technology based on the fusion of micro/nanodevices, including micro/nanofluidic chip, and biology has provided remarkable success. The micro/nanostructure of these devices can provide about the same size and space as a single molecule or single cell, so they can be measured directly or from the surface of an organism or living body to them. This suggests that biosensing technology with micro/nanodevice has great potential to contribute more in those fields and to lead those biological fields to a new era.

We are pleased to invite you to contribute to this Special Issue entitled “Micro/Nano-Devices for Biosensing: From Single Molecule Sensing to Device Applications”. This Special Issue covers a variety of biosensing from single molecules, extracellular vesicles (EVs)/liposomes, virus, bacteria and cells to device applications.

This issue seeks to showcase research papers, short communications, and review papers. Contribution to this Special Issue with detection, manipulation, imaging, characterization, monitoring, fabrication, instrumentation, methodologies and new concepts are welcome.



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Special Issue



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Message from the Editor-in-Chief

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