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Micro- and Nanopore Biosensors

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Message from the Guest Editor

Micro- and nanopore biosensing is a fascinating interdisciplinary research frontier encompassing life science, physics, chemistry, and today even informatics. It measures electrical or optical signals upon translocation or trap of analytes in a specially designed hole in either a solid-state or a biological membrane that allows identification of single molecules and particles of virtually any size from cell to nucleotide in electrolyte solution. Significant efforts have been devoted in the last decade to making use of the simple and versatile sensor mechanism for a vast range of analytical applications, such as particle analyses, cancer diagnostics, viral screening, proteomics, and genome sequencing. This Special Issue aims to showcase cutting-edge research and reviews on micro- and nanopore sensors for its meaningful and wonderful prospects.



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Special Issue



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Message from the Editor-in-Chief

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Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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