Special Issue

Advances in Nanopore Biosensors

Message from the Guest Editors

Nanopore sensing technologies have gained tremendous popularity in recent years for diagnostic applications due to their label-free single-molecule detection capabilities. For this Special Issue, we welcome original research papers as well as reviews on the recent advancements in the development of highly sensitive and specific biological and solid-state nanopore biosensing technologies. This includes the design and fabrication of state-of-the-art nanopore biosensors for disease biomarkers, characterization of biomolecules like secretions from single cells, study of nanopore transport mechanisms, and point-of-care implementations. The design and development of nanopore-based point-of-care diagnostic systems is of special interest. Reviews should provide an in-depth examination of the most recent research in a specific context or discuss the existing and future issues related to nanopore sensing in the biomedical field.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. 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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