Special Issue

Label-free Biosensing

Message from the Guest Editor

Label-free sensing, in particular label-free biosensing, allows one to investigate the underlying physical and chemical characteristics, and interactions, of target species by relying solely on their intrinsic physicochemical properties. This has the benefit of reducing sample complexity, preparation time, and analysis cost due to the elimination of potentially confounding molecular labels. Furthermore, because of the relatively minimal sample preparation, label-free sensing approaches are highly amenable to field applications and remote diagnostics where preparation facilities and trained personnel may be limited or unavailable. Recent technical innovations have led to label-free detection schemes that are highly sensitive and robust. Consequently, label-free biosensing is finding new applications with novel sensor platform designs. Biological detection and analysis are infusing themselves into high quality research in many areas of science and engineering. [...] For further reading, please follow the link at:
http://www.mdpi.com/journal/biosensors/special_issues/Label_free_biosensing.

Guest Editor

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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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