Label-free Biosensing

Guest Editor:

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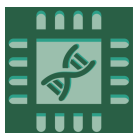Deadline for manuscript submissions:
closed (30 April 2018)

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.

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Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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