

Optical Biosensors for the Detection of Biomarkers

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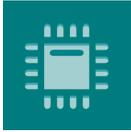
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Message from the Guest Editors

The development of rapid, sensitive and easily applicable platforms for the specific detection of biomolecules represents a relevant clinical requirement for the management of several diseases. Indeed, the objective evaluation of the presence and concentration of molecules potentially involved in the pathogenesis of a specific disease can enable the early diagnosis and/or monitoring of pathological progression, assessing the efficacy of pharmacological or rehabilitative treatments for personalized medicine. Optical biosensors offer great advantages, representing the most common type of biosensors due to their demonstrated capabilities of high specificity, sensitivity, high speed and cost-effectiveness once implemented.

The aim of this Special Issue is to present the current evolution of optical biosensors for the sensitive and specific detection of new, or already discovered, disease-related biomarkers, responding to urgent unmet clinical needs concerning specific disease management.





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