



Electrochemical Biosensors for Medical Diagnosis

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Message from the Collection Editor

Among the new analytical methods capable of accomplishing effective clinical diagnostic tools, biosensors play a promising role providing ease of execution, specificity for the target analyte, fast response time and capability for continuous monitoring. Particularly, electrochemical biosensors exploit a detection mechanism based on electrochemical reactions that directly generate an electronic signal. This feature greatly simplifies signal transduction avoiding expensive equipment requirements.

In order to get increasingly performing devices, in the last years many efforts have been devoted to the development of electrode modification approaches able to realize efficient platforms for bioreceptors immobilization along with detection schemes aimed to overcome the undesired effects of electrochemical detection, namely electrode fouling and faradic interference.

The aim of this Special Issue is to focus on the most recent approaches to realize innovative and enhanced electrochemical biosensors for medical diagnosis.





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Message from the Editor-in-Chief

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