



Immunosensors - Trends and Perspective

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Message from the Guest Editor

Dear Colleagues,

Immunosensors are a special form of immunoassays that use the specific antigen–antibody interactions to identify and quantify target molecules in biological samples. An immunosensor normally contains a transducer that directly monitors the sensing event and can be developed into a stand-alone device for point-of-care applications. It has been demonstrated that many of the unmet needs in traditional immunoassays can be fulfilled by immunosensors to take full advantage of the specificity as well as the diversity of the antibody in many diagnostic needs. These may include, but are not limited to, label-free, ultra-high-sensitivity, real-time, multiplexing, and high-throughput immunosensors that have been developed in recent years. In addition, the availability of modern electronics industries provides novel opportunities for the immunosensors, not only the electronic parts for the immunosensor but also the whole ecosystem, to effectively participate in the world trend in the digital health care system. Topics of interest include, but are not limited to the following:

- Immunoassay
- Immunosensor
- Biosensor
- Antibody
- Protein–protein interaction





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Message from the Editor-in-Chief

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