

Special Issue

Live Cell-Based Sensors with Receptors

Message from the Guest Editor

A biosensor is an analytical device which combines a biological component with a physiochemical detection system to detect, transmit and record the desired information. A live cell-based sensor, as one of the important biosensor members, is well accepted and used for investigating various signaling cascades caused by cytotoxic effects of reagents. A basic assembly of a live cell-based sensor consists of a receptor and a transducer. When the stimuli get in touch with the cell, they pass through the cell plasma membrane with the help of receptors. The receptors are a very important part of live cell-based sensors. The Special Issue of the journal *Sensors* will cover these different types of live cell-based sensors with receptors, and consider applications for these different fields.

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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