

Special Issue

Application of Biosensors in Cell and Tissue Analysis

Message from the Guest Editors

Cell and tissue based assay targeting drug-receptors interactions has proven to significantly increase the success rates in clinical trials. The main reason being the more in vivo like conditions that elucidates the strengths and weaknesses of a drug. This Special Issue aims at state of the art biosensors for cells and tissues within drug development. The scope is to gathering assays that mimics in vivo conditions as much as possible, hence features such as label-free, kinetics, flow, serological, temperature etc are important. For example, the different pH levels in the blood stream and inside cells affect interaction properties. On and off-target interactions are crucial for PK and PD studies, and consequently for efficacy and side effects. We encourage publications combining cell or tissue based biosensor with traditional methods, hence elucidating the added value of this new biosensors for drug development.

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About the Journal

Message from the Editor-in-Chief

Biosensors is a leading journal, devoted to fast publication of the latest achievements, technological developments and scientific research in the exciting multidisciplinary area of biosensors. Both experimental and theoretical papers are published, including all aspects of biosensor design, technology, proof of concept and application. Special issues are devoted to specific technologies and applications, and a selection of the most outstanding papers each year is recognized. Pushing the boundaries of the discipline, we invite original papers, as well as timely reviews on cutting edge fields within the subject area.

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