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Novel Biosensors for Cell Analysis

Guest Editor:

Dr. Chongli Yuan
1. Davidson School of Chemical Engineering, Purdue University, IN 47906, USA
2. Purdue University Center for Cancer Research, Purdue University, IN 47906, USA

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Message from the Guest Editor

Dear Colleagues,

Cellular events such as changes in chromatin during cell replication, neurotransmitter uptakes, and the formation of signaling complexes occur at vastly different time and length scales inside a cell. Tracking these dynamic events is crucial for understanding fundamental biological mechanisms and providing useful insights for engineering novel cell types and/or devising cellular therapy. Recent advances in synthetic biology have enabled the development of an array of biosensors to track cellular events. This Issue will focus on the latest developments in biosensors to track in situ cellular behavior enabling single-cell-based analysis to reveal cellular heterogeneity and dynamics.

Dr. Chongli Yuan
Guest Editor

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Editor-in-Chief

Prof. Dr. Giovanna Marrazza
Department of Chemistry "Ugo Schiff", University of Florence, Via della Lastruccia 3, 50019 Sesto Fiorentino, Italy

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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Biosensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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