

Special Issue

Novel Biosensors for Cell Analysis

Message from the Guest Editor

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.

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

Deadline for manuscript submissions

closed (30 November 2023)



Biosensors

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 6.6
Indexed in PubMed



mdpi.com/si/99078

Biosensors
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biosensors@mdpi.com

[mdpi.com/journal/
biosensors](https://mdpi.com/journal/biosensors)





Biosensors

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 6.6
Indexed in PubMed



[mdpi.com/journal/
biosensors](https://mdpi.com/journal/biosensors)



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.

Editor-in-Chief

Prof. Dr. Giovanna Marrazza

Department of Chemistry "Ugo Schiff", University of Florence, Via della
Laustruccia 3, 50019 Sesto Fiorentino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q1 (Chemistry, Analytical) / CiteScore - Q1
(Engineering (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).