

Special Issue

Advances in Fluorescent Probe Biosensing

Message from the Guest Editors

The fluorescence method based on high-performance fluorescent probes is one of the most informative and sensitive analytical techniques for bioanalysis. Designing fluorescent molecules with structural diversity for different biosensing needs is known as the most creative activity in the field of fluorescent probes. The interaction between the fluorescent probes and analytes is studied by computer simulation and other techniques, so as to clarify the fluorescence sensing mechanism. Therefore, this special issue "Progress in Fluorescent Probe Biosensing" focuses on the research progress of fluorescent materials with suitable temperature, good stability, high optical efficiency and good biocompatibility. Based on this, advanced ideas for bioanalysis, such as sensor arrays, visualization devices, etc., will be explored, and real-time noninvasive bioimaging strategies will be developed. We invite submissions of research that will help advance the field of advanced fluorescent probes design technologies and their application in biosensing.

Guest Editors

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Dr. Mingguang Ren

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Deadline for manuscript submissions

closed (30 November 2023)



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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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