Special Issue

Genetically Encoded Biosensor

Message from the Guest Editor

The past few decades have witnessed extraordinary advances in genetically encoded biosensors that have revolutionized the way biology can be studied. Genetically encoded biosensors have found a wide array of applications, such as exploration of live-cell biochemical and signaling networks, understanding of brain activities, and imaging of metabolism and disease markers. While there are various types of biosensors available, genetically encoded biosensors offer unique advantages over other types of biosensors in terms of their genetic encodability. Genetically encoded biosensors are thus ideal tools for live-cell and live-organism applications. The aim of this Special Issue is to highlight high-quality results (including original research articles and reviews) in the field of genetically encoded biosensors. The main topic is related but not limited to:

- biosensors
- genetically encoded sensors
- live-cell imaging
- hybrid biosensors
- biomarker detection
- cell signaling
- drug screening

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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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