Special Issue

Fluorescent Biosensors for Molecules Detection

Message from the Guest Editors

Innovative, revolutionary, cutting-edge technologies, such as CRISPR gene editing, are the driving forces behind new discoveries in science. In recent decades, we have been able to measure ion and metabolite levels in vitro or in heterologous systems, e.g., using a GFP-reporter system and mass spectrometry. However, our knowledge of the locations and dynamics of metabolites, as well as the regulation in the cellular levels, is still poor. The fluorescent (bio)sensors for molecule detection in vivo can provide information with high spatiotemporal resolution and can serve as a powerful tool for identifying missing components, processes, and signaling pathways. This Special Issue welcomes papers relating to all types of fluorescent sensors designed for the detection of molecules and metabolites.

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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