

Special Issue

CRISPR/Cas System-Based Biosensors

Message from the Guest Editors

In recent years, the CRISPR/Cas system-based biosensors have attracted much attention in medical diagnoses, food safety, agricultural progress, and environmental monitoring. For this Special Issue, we welcome original research papers as well as reviews on the current developments in the design of high-sensitivity and reproducible systems with CRISPR/Cas-based biosensing technologies in the application of cancer and infectious diseases diagnoses. This includes the design of state-of-the-art CRISPR/Cas-based biosensing strategies. Theoretical research on the CRISPR/Cas-based biosensing mechanism is also encouraged. The design and development of lab-on-a-chip devices, wearable and plug-and-play biosensors, and portable/handheld CRISPR/Cas-based platforms for point-of-care applications are of special interest. Reviews should provide an in-depth examination of the most recent research in a specific context or discuss the existing and future obstacles for the commercial application of CRISPR detection technology and explore development opportunities and directions.

Guest Editors

Prof. Dr. Shiping Song

1. Institute of Materiobiology, Shanghai University, Shanghai 201800, China
2. Shanghai Institute of Applied Physics, Chinese Academy of Sciences, Shanghai 201800, China

Dr. Jing Su

School of Perfume and Aroma Technology, Shanghai Institute of Technology, Shanghai 201418, China

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

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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.

Editor-in-Chief

Prof. Dr. Giovanna Marrazza

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

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