Special Issue

Application of CRISPR Cas Systems for Biosensing

Message from the Guest Editors

CRISPR, a powerful gene-editing tool, has demonstrated its capability as a powerful recognition element in biosensing. Owing to the high specificity and modularity of CRISPR Cas systems, CRISPR-based biosensing systems have shown promising accuracy and sensitivity for the detection of nucleic acids. The utilization of CRISPR for both electrochemical biosensors and optical biosensors highlights the importance of multi-disciplinary contributions to sensing science as an imminent biosensing area. For this Special Issue, we invite research with different modalities to describe different perspectives on CRISPR-based biosensing systems.

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Deadline for manuscript submissions

closed (31 December 2022)

Biosensors

an Open Access Journal by MDPI

Impact Factor 5.6
CiteScore 9.8
Indexed in PubMed

mdpi.com/si/42124

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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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