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CRISPR-Powered Biosensing

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Message from the Guest Editors

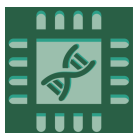
Dear Colleagues,

CRISPR/Cas technology won the Nobel Prize in Chemistry in 2020 for its outstanding contribution to gene editing. In addition to its application in gene editing, a large literature shows that CRISPR/Cas technology has outstanding advantages in biosensing, with high accuracy, good specificity, and fast response. More importantly, CRISPR technology is promising not only in its application to nucleic acid detection but also in the detection of other kinds of biomarkers, including heavy metal ions, small molecules, peptides, and proteins, posing a great application potential for next-generation diagnostics, agriculture, and environmental monitoring. Therefore, this Special Issue aims to present cutting-edge fundamental and applied research activities in CRISPR-driven biosensing, showcasing innovative technologies, methods, and novel integrated devices for next-generation diagnostics, agriculture, and environmental monitoring. We invite submissions that will help to advance research in the field of CRISPR-driven biosensing technologies.



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Special Issue



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Message from the Editor-in-Chief

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