



Nucleic Acid Based Sensing for Biomedical Applications

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Message from the Guest Editor

Nucleic acids have great potential for use in sensing technologies. This Special Issue is focused on the application of nucleic acids for the development of biosensors aimed at diagnostics and medicinal purposes. Different types of nucleic acid entities like aptamers, nucleic acid reporters and switches, and DNA/RNAzymes can serve as receptor layers of biosensors. Complementary interactions, molecular beacons, nucleic acid amplification reactions, and catalytic activity of nucleic acids provide the means for signal amplification and detection. We invite the authors to submit research articles as well as specialized reviews dedicated to the development of novel nucleic acid-based receptors against the targets of physiological or medicinal significance, the design and characterization of original sensing schemes, and sensing platforms and biosensors employing nucleic acids with the potential for application in diagnostics and medicinal research.





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Message from the Editor-in-Chief

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