

State of the Art in Nucleic Acid Detection

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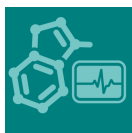
Deadline for manuscript
submissions:

closed (30 June 2023)

Message from the Guest Editors

Nucleic acids (DNA and RNA) are considered biomarkers for many diseases, and tools of therapeutical intervention (antisense oligonucleotides, siRNAs, mRNA vaccines). Epigenetic DNA modification, epitranscriptomic RNA modification, single-nucleotide polymorphism, or specific DNA and RNA fragments detection give us a lot of information for the diagnosis of diseases, such as cancer and COVID-19 nucleic acid detection. The aim of this Issue of “State of the Art in Nucleic Acid Detection” is to highlight the recent development of nucleic acid detection of DNA and RNA modifications, mutations or specific nucleic acid biomarkers. Authors are invited to submit work exploring methods including mass spectrometry, chemical probes, nucleic acid sensors, DNA sequencing, electrochemical, optical, lab-on-a chip devices, clinic kits, molecular diagnostic methods, advanced and automated sensing platforms, bioassays, and detection systems for nucleic acid detection. Both review articles and research papers are welcome.





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