

Special Issue

Advances in Diagnostics: Applications of Nucleic Acids and Their Analogs

Message from the Guest Editors

This Special Issue explores the dynamic landscape of nucleic acids and their analogs in diagnostic breakthroughs, elucidating their pivotal role in pushing the boundaries of molecular diagnostics. Amidst the evolving field of genetic and epigenetic analyses, this collection delves into the multifaceted applications of nucleic acids, uncovering their potential to revolutionize disease diagnosis. Contributions within this issue span diverse areas, including the utilization of biomarkers for early cancer detection, the integration of CRISPR-based technologies in precision medicine and the exploration of novel nucleic acid analogs for enhanced diagnostic sensitivity. Additionally, the issue explores the intersection of artificial intelligence and nucleic acid diagnostics, showcasing innovative strategies to decipher complex genomic data. The combination of these sub-topics collectively unlocks diagnostic frontiers, offering a comprehensive perspective on the power of nucleic acid in shaping the future of diagnostic medicine.

Guest Editors

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