



Nucleic Acids in Cancer Diagnosis and Therapy

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Message from the Guest Editor

Cancer research has been focused on the coding genes occupying 1%–2% of the human genome. Moreover, the cancer research in the coding genes has been concentrated on their genetic mutations and protein activities/functions. Since the functions of noncoding RNAs in cancer have been revealed, cancer researchers are expanding their focus from the 1%–2% coding genes to the 98%–99% noncoding transcripts of the human genome. As a result, a number of noncoding RNAs and their functional mechanisms have been identified and characterized in most types of cancer. Meanwhile, the scientific view of DNA and RNA as generators or products of proteins has changed. Many scientists have started to look at and focus on the function and potential of DNA and RNA as nucleic acids. So, the increasing research interest in nucleic acids has spontaneously increased the research interest in the functions and mechanisms of nucleic acids featuring RNA-binding proteins, RNA modifications, cell-free circulating DNA/RNA, and unique types of RNA such as tRNA fragments and circular RNAs.





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Message from the Editor-in-Chief

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