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The Role of Small RNAs as Cancer Biomarkers: Biology and Clinical Potential Application

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Message from the Guest Editors

Small RNA molecules include all types of RNA that are transcribed from a gene that can reach up to 35–40 nucleotides and are not translated. These include many molecular subtypes, such as miRNAs, piRNAs, siRNAs, snRNAs, and snoRNAs. In addition to these subtypes, some recent works have also reported small RNAs derived from longer molecules such as tRNAs, mRNAs, lncRNAs, and vault RNAs. These molecules play an important role in regulating cellular processes.

The abnormal expression, sequence alteration, or molecular modification of different small RNAs have been used as potential new biomarkers for diagnosis, prognosis, and even drug targets for known challenging human diseases such as cancer.

This Special Issue aims to publish novel research articles and reviews regarding any or multiple types of small RNAs associated with potential biomarkers in cancer research for diagnosis, prognosis, or treatment target. We welcome original research papers using molecular biology, bioinformatics, genetics, cell biology and general medical sciences in order to help patients with the disease to have a better life expectancy.



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Special Issue



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Message from the Editor-in-Chief

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