



MicroRNA as Biomarkers in Cancer Diagnostics and Therapeutics (III)

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Message from the Guest Editor

Dear Colleagues,

MicroRNAs (miRNAs) are small non-coding RNA molecules that function predominantly as post-transcriptional regulators of gene expression. miRNAs play important roles in development, cellular differentiation and homeostasis, and host–virus interactions. miRNA expression and function are dysregulated in cancer. Specific miRNAs have been shown to exert tumor-promoting or tumor-suppressive functions depending of the expressing cell type and cancer site. Within cancer cells, miRNA can modulate growth and chemoresistance, stem cell, epithelial-to-mesenchymal transition and/or metastatic programs. Within other cell types of the tumor microenvironment, miRNAs can promote angiogenic and immune suppressive programs.

This Special Issue will provide a comprehensive update on the latest findings on cancer-associated miRNAs, with a focus on the clinical application of miRNAs as biomarkers for cancer diagnosis and prognosis, and treatment prediction, as well as miRNA-based therapeutic strategies.

Dr. Lorenzo F. Sempere





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Message from the Editor-in-Chief

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