

Special Issue

MicroRNA as Biomarkers in Cancer Diagnostics and Therapeutics (III)

Message from the Guest Editor

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.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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