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microRNAs in Tumor Microenvironments

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Message from the Guest Editors

The tumor microenvironment, including cancer-associated fibroblasts (CAF), cancer-infiltrating cells, blood vessels, inflammatory cells, and several other molecules, is one of the main players involved in the development and progression of tumors. It has been widely demonstrated that the mutual interaction between cancer cells and normal cells of the tumor microenvironment is responsible for the production of proinflammatory cytokines and proteolytic proteins which favor tumor invasion and metastasis.

On these bases, it is evident that miRNAs are fundamental in the regulation of the tumor microenvironment and, in turn, the progression of cancer. Therefore, further studies are needed to better understand the dynamics between miRNAs, cancer cells, and the tumor microenvironment in order to identify new diagnostic and prognostic biomarkers as well as new therapeutic targets.

The aim of this Special Issue is to summarize the current understanding about the evaluation of molecular and epigenetic mechanisms responsible for alterations in the tissue microenvironment and, in particular, the mutual interactions existing between cancer and stromal cells as mediated by miRNAs.



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Special Issue



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Message from the Editor-in-Chief

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