



New Molecule Therapy for Lung Cancer: MicroRNA

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Message from the Guest Editors

Dear Colleagues,

Despite the recent advances in cancer treatment, lung cancer still remains the main cause of cancer-related deaths worldwide. Thus, there is a particular need for the development of new therapeutic strategies to improve the survival rates of lung cancer patients.

MicroRNAs are a type of small non-coding RNA that functions as important post-transcriptional regulators of gene expression and are involved in pivotal cellular processes. MiRNAs are considered as ideal biomarker candidates due to their exceptional stability in harsh conditions. In addition, miRNAs are used to target several oncogenes or tumor suppressor genes, which contribute to cancer progression. In line with this, several ongoing pre-clinical or clinical trials are evaluating miRNAs as potential biomarkers for response to therapy, as well as therapeutics to treat lung cancer. However, their transfer into clinical practice has been limited by several aspects.

In this special issue, we are interested in recent studies that elucidate the role of miRNAs-based biomarkers and therapeutics as a new tool for lung cancer management.

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