

## Special Issue

# miRNAs in Cancers: From Molecular Biology to Treatment

### Message from the Guest Editor

Epigenetic mechanisms are crucial for the proper development and maintenance of tissue-specific gene expression patterns in mammals. Epigenetic modifications, such as changes in DNA methylation, RNA modifications, and histone alterations, can result in the dysregulation of microRNA (miRNA) genes and malignant cellular transformation. These modifications are both heritable and reversible. Additionally, miRNAs can influence epigenetic-modifying enzymes, creating a three-way regulatory feedback loop known as “epi-miR-epi”. Modifying and reversing pathological miRNA expression holds promise for the development of therapeutic strategies. This Special Issue is focused on “miRNAs in Cancers: From Molecular Biology to Treatment”. We invite researchers to submit original research and review articles that explore the role of miRNAs in cancer development.

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### Guest Editor

Dr. Laura Mosca

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### Deadline for manuscript submissions

20 September 2025



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

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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### Editor-in-Chief

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