

## Special Issue

# New Molecule Therapy for Lung Cancer: MicroRNA

### Message from the Guest Editors

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.

---

### Guest Editors

Dr. Roberto Cuttano

Unit of Cancer Biomarkers, ISBReMIT, Hospital Casa Sollievo della Sofferenza - IRCCS, San Giovanni Rotondo, FG, Italy

Dr. Tommaso Colangelo

1. Associate Professor, Department of Medical and Surgical Sciences, University of Foggia, Foggia, Italy

2. Cancer Cell Signaling Unit, Fondazione IRCCS Casa Sollievo della Sofferenza, San Giovanni Rotondo, Italy

---

### Deadline for manuscript submissions

closed (20 February 2024)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/169461](https://mdpi.com/si/169461)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

[mdpi.com/journal/  
ijms](https://mdpi.com/journal/ijms)





# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/journal/  
ijms](https://mdpi.com/journal/ijms)



## About the Journal

### Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

---

### Editor-in-Chief

Prof. Dr. José L. Quiles  
Department of Physiology, Institute of Nutrition and Food Technology  
"Jose Mataix", Biomedical Research Center, University of Granada,  
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)