

## Special Issue

# Non-coding RNAs in Glioblastoma Multiforme

### Message from the Guest Editor

Glioblastoma multiforme (GBM) is the most frequently diagnosed and aggressive brain and central nervous system (CNS) tumor. Deep study of the molecular mechanisms characterizing this tumor has led to its subtypization and to the identification of intracellular and extracellular molecular signatures that may help physicians to perform precise diagnosis, prognosis, and therapeutic interventions. Recent technological advancements in RNA sequencing have shown that the human genome is pervasively transcribed and that most of the transcriptome is made up of non-coding RNAs (ncRNAs) with a gene regulatory function (e.g., microRNAs, long non-coding RNAs, circular RNAs, etc.). NcRNAs are known to be involved in a plethora of physiological and pathological processes, including cancerogenesis. Some of them have been described as components of complex competitive endogenous RNA (ceRNA) networks and have been suggested either as drugs or therapeutic targets. The aim of this Special Issue is to summarize and expand the knowledge on the link between ncRNAs and GBM.

### Guest Editor

Dr. Davide Barbagallo

Department of Biomedical and Biotechnological Sciences, University of Catania, Catania, Italy

### Deadline for manuscript submissions

closed (28 February 2023)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/76458](https://mdpi.com/si/76458)

*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*, 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.

---

### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

---

### 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, CAPlus / SciFinder, and other databases.

#### Journal Rank:

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