

## Special Issue

# Frontiers in Glioma Pathobiology

### Message from the Guest Editor

Glioblastoma is a high-grade diffuse glioma and the most frequent primary intraparenchymal brain tumor. To this day, treatment is a challenge and survival relatively poor. Therapy resistance stems from the pathobiological characteristics of diffuse gliomas, starting from the sanctuary generated by the blood-brain barrier preventing drug and immune cell cytotoxicity to resistance to radiotherapy due to genetic, epigenetic, DNA damage response and signal transduction mechanisms, cancer cell invasiveness and interaction with the microenvironment, and tumor heterogeneity and reprogramming. In this Special Edition, experts in the field are invited to share a brief overview of the current knowledge on diffuse glioma pathobiology, as well as to highlight their forefront research findings and propose actionable biological and molecular vulnerabilities for these tumors deriving from their own research.

---

### Guest Editor

Dr. Maria-Magdalena Georgescu  
NeuroMarkers PLLC, Houston, TX, USA

---

### Deadline for manuscript submissions

closed (15 November 2022)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 10.0  
Indexed in PubMed



[mdpi.com/si/101568](https://mdpi.com/si/101568)

*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 10.0  
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 (Inorganic Chemistry)