

## Special Issue

# Tumors of the Nervous System: New Insights into Signaling, Genetics and Therapeutic Targeting 2.0

### Message from the Guest Editor

Brain tumors and other nervous system tumors are an extremely heterogeneous group of benign and malignant tumors characterized by different aggressiveness and variable clinical outcomes. Despite their diversity, nervous system tumors share the tendency of being refractory to radical surgical resection, and radio-chemotherapy is often ineffective because of resistance mechanisms. For these reasons, clinical management of these kinds of tumors is frequently challenging and prognosis is still poor. In this scenario, precision medicine approaches are emerging as promising therapeutic avenues against nervous system tumors. This Special Issue focuses on the current understanding of signaling pathways, as well as genetic and epigenetic features involved in the pathogenesis of brain tumors and other nervous system tumors, with emphasis on the development of novel therapeutic approaches aimed at improving the current standard care. Original articles and up-to-date reviews are encouraged, in order to provide a comprehensive knowledge of the state of the art and future directions.

---

### Guest Editor

Dr. Sabrina Di Bartolomeo  
Department of Biosciences and Territory, University of Molise, 86090  
Pesche, Italy

---

### Deadline for manuscript submissions

closed (30 November 2022)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/86950](https://mdpi.com/si/86950)

*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)