



## **Glioblastoma: Recapitulating the Key Breakthroughs and Future Perspective 2.0**

Guest Editors:

**Dr. Jaroslaw Maclaczyk**

Department of Stereotactic and  
Functional Neurosurgery,  
University Hospital of Bonn,  
53127 Bonn, Germany

**Dr. Hugo Guerrero-Cazares**

Department of Neurological  
Surgery, Mayo Clinic,  
Jacksonville, FL 32224, USA

Deadline for manuscript  
submissions:

**closed (31 March 2023)**

### **Message from the Guest Editors**

In this Special Issue, experts in the field will review the current diagnostic, therapeutic and experimental models in GBM. Of interest are research articles (in vivo, in vitro) that may help to further refine the understanding of tumour heterogeneity/microenvironment, the diverse molecular signature in GBM subtypes (epigenome, immune landscape, dysregulation of phylogenetically conserved signalling pathways, etc.) and the relative contribution of glioma stem cells (GSCs). In addition, review articles highlighting new findings in the above areas and underlining the similarities or cross-comparisons between GBM and other human cancers are also welcome. In the prospective articles, manuscripts that address the key challenges in paediatric glioblastoma that need to be considered when applying treatment strategies purely based on adult glioblastoma trials, and the negative results while pursuing a strong scientific hypothesis in GBM, will be of interest.

This special issue is supervised by Dr. Jaroslaw Maclaczyk and Dr. Hugo Guerrero-Cazares and assisted by our Topical Advisory Panel Member Dr. Amit Sharma (University of Bonn).





an Open Access Journal by MDPI

## 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

## 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.

## 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 (Inorganic Chemistry)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI