

## Special Issue

# The Occurrence, Evolution and Treatment of Glioblastoma: Second Edition

### Message from the Guest Editor

Of the 100,000 new cases of diffuse gliomas diagnosed every year worldwide, approximately 75% are glioblastoma (GBM). Recent advances in gene profiling and proteomics have led to significant breakthroughs in the taxonomy, classification, and grading of adult and pediatric brain gliomas. This Special Issue aims to shed light on the molecular heterogeneity of this tumor in both adults and children, as well as to evaluate the benefits of multimodal treatment strategies involving surgery, radiotherapy, and chemotherapy. We welcome submissions, including original papers and reviews. Our Special Issue will focus on, but is not restricted to, the following:

- Tumor signatures in primary vs. secondary gliomas;
- The role of recently identified biomarkers in both the prognosis and treatment of pediatric gliomas;
- Role of checkpoints inhibitors in low- and high-grade gliomas;
- Mechanisms of recurrence of high-grade gliomas;
- Molecular and radiological features in low-grade gliomas shifting into high-grade gliomas;
- Role of radiomics and neuroimaging in deep-seeded and multifocal gliomas for improved patient treatment and information.

### Guest Editor

Dr. Antonella Mangraviti

Department of Neuroscience, Mental Health and Sense Organs (NESMOS), Sapienza University of Rome, 00189 Rome, Italy

### Deadline for manuscript submissions

closed (20 May 2025)



## International Journal of Molecular Sciences

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

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### 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.

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### 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

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