

Special Issue

Molecular Insights and Innovations in Brain Cancer Research

Message from the Guest Editor

Brain cancers, including glioblastomas, astrocytomas, and other malignant brain tumors, are among the most challenging to treat due to their complex molecular landscapes, resistance to conventional therapies, and unique microenvironment. A deeper understanding of the molecular mechanisms underpinning brain cancer initiation, progression, and resistance is critical to identifying new therapeutic targets and improving patient outcomes. Key areas of interest for this Special Issue may include, but are not limited to:

- Molecular Targets and Biomarkers;
- Genomic and Epigenomic Alterations;
- Targeted Therapies and Personalized Medicine;
- Immunotherapy and Tumor Microenvironment;
- RNA-Based Therapies and Gene Editing;
- Nanotechnology and Drug Delivery Systems;
- Theranostics.

Please note that this Special Issue is focused on molecular research, so pure clinical research will not be accepted. However, clinical submissions featuring biomolecular experiments are welcomed.

Guest Editor

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Deadline for manuscript submissions

closed (20 November 2025)



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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.

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