

## Special Issue

# Exploring the Glioblastoma Complexity: New Perspectives in the Molecular and Imaging Fields

### Message from the Guest Editors

Glioblastoma (GBM), despite the advances in surgical resection, chemotherapy (temozolomide) and radiotherapy treatment, remains one of the most fatal tumors. The fight against GBM is made even more difficult by the GBM inter and intra heterogeneity, the presence of the blood–brain barrier and the molecular characteristics of the peritumoral region. Achieving effective outcomes against GBM increasingly requires the integration of imaging and molecular techniques that enable the early diagnosis of GBM and monitoring of GBM response to treatments. In particular, recent advances have been achieved in circRNA, lncRNA, ctDNA and extracellular vesicles characterized by liquid biopsy. This Special Issue, “**Exploring the Glioblastoma Complexity: New Perspectives in the Molecular and Imaging Fields**”, will cover a selection of recent research topics and current review articles in the field of imaging and molecular characterization, taking into consideration data obtained both in animal models and in vitro (neurospheres, organoids) and also data on the possible diagnostic biomarkers obtained by liquid biopsy or using innovative imaging techniques.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 March 2025)



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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

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