



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

Guest Editors:

Prof. Dr. Angela Bentivegna

School of Medicine and Surgery,
University of Milano-Bicocca, Via
Cadore 48, 20900 Monza, Italy

Dr. Gabriella Nicolini

1. Experimental Neurology Unit,
School of Medicine and Surgery,
University of Milano-Bicocca, Via
Cadore 48, 20900 Monza, MB,
Italy
2. Milan Center for Neuroscience,
University of Milano-Bicocca,
20126 Milan, Italy

Deadline for manuscript
submissions:

31 August 2024

Message from the Guest Editors

Dear Colleagues,

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.





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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI