

Special Issue

Molecular Studies of Glioblastoma

Message from the Guest Editors

Glioblastoma is one of the most aggressive tumors and the deadliest among brain tumors, with a 5-year survival rate of only 4.6 percent. Although people are doing their best to unravel the complexity of this tumor, efforts still fall short of expectations. Therefore, in-depth study of the potential molecular mechanism of glioblastoma, looking for new treatment targets, and improving the survival rate of patients is still a top priority. This includes, but is not limited to, the signal transduction pathways, energy metabolic requirements, genetic and epigenetic characteristics of glioblastoma formation and development, the interactions between glioma cells and their microenvironments (immune cells, blood vessels or neurons/gliocytes), and the signaling mechanisms involved in these interactions. This Special Issue will focus on reviews, comments and research papers on the molecular mechanisms of glioblastoma. It is necessary to have more in-depth insight into the molecular changes in glioblastoma, and these findings are likely to provide useful information for the design of treatments to improve the survival rate of patients.

Guest Editors

Dr. Wei-Hsiu Liu

Department of Neurological Surgery, Tri-Service General Hospital and National Defense Medical Center, Taipei 114, Taiwan

Dr. Hsin-I Ma

Department of Neurological Surgery, Tri-Service General Hospital and National Defense Medical Center, Taipei 114, Taiwan

Deadline for manuscript submissions

closed (30 May 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/107503

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

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.

Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)