

Special Issue

Molecular Biology and Translational Aspects in CNS Tumors 2.0

Message from the Guest Editors

About 30.9 % of all primary CNS tumors in the US are malignant. The occurrence of secondary, metastatic tumors is about four times more common (NCI). Current therapy includes varying combinations of surgery, radio-, and chemotherapy. The five-year survival rate following diagnosis of a malignant CNS tumor is 35% and 90.7% for nonmalignant CNS tumors (CTRUS), indicating an urgent need for more effective therapies for different types of CNS tumors even if they are benign, as well as a better understanding of the molecular determinants of therapy response and tumor biology.

This Special Issue shall cover results of studies using animal or cell culture models to investigate the molecular underpinnings and treatment approaches of different CNS tumor types, applying molecular biological methods. This issue will also publish reports on tissue samples of patient tumors, providing novel mechanistic insights into new aspects that may impact on the development of novel biomarkers and clinical therapy of CNS tumors. In addition, reviews about the current status of new therapy options in different CNS cancer types and prognostic and predictive biomarkers will be published.

Guest Editors

Prof. Dr. Christel Herold-Mende

Prof. Dr. Katrin Lamszus

Prof. Dr. Rainer Glass

Deadline for manuscript submissions

closed (30 April 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/55701

*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*, 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.

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

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