



Advances in Molecular Genetics of Brain Tumors

Guest Editors:

Prof. Nives Pečina-Šlaus

Department of biology and
Croatian Institute for Brain
Research School of Medicine
University of Zagreb, Šalata 3,
10000 Zagreb, Croatia

Dr. Ivana Jovčevska

Medical Centre for Molecular
Biology, Institute of Biochemistry
and Molecular Genetics, Faculty
of Medicine, University of
Ljubljana, 1000 Ljubljana,
Slovenia

Deadline for manuscript
submissions:

closed (30 April 2022)

Message from the Guest Editors

Dear colleagues,

The Special Issue intends to elucidate the diversity of problems and solutions behind brain tumors. The topics will cover events - molecular genetics, signaling pathways governing the mechanisms of tumor formation and invasion, DNA methylation, predictive biomarkers, diagnostic improvement, potential therapeutic targets, metastasis and recurrence, but also the difference in therapeutic response of specific clinical subtypes. Studies that bring results of large-scale analyses and system biology are also welcome. Besides the known driver genes and their mutations, some of which have already been comprehensively characterized, the investigation of genes harboring passenger mutations that are less known molecular players and probably contribute to tumor heterogeneity will also be one of the focuses of the issue. The issue welcomes original work unraveling novel innovative studies on the genetics of brain tumors, but also reviews with a perspective points of view and interesting cases that can shed light on novel genetic events.

Prof. Nives Pečina-Šlaus

Dr. Ivana Jovčevska





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