



## Novel Targeted Therapies in Brain Tumors

Guest Editors:

**Prof. Dr. Maria Caffo**

Unit of Neurosurgery,  
Department of Biomorphology  
and Dental Sciences, and  
Morphofunctional Imaging,  
University of Messina, AOU “G.  
Martino”, Messina, Italy

**Prof. Dr. Emanuela Esposito**

Department of Chemical,  
Biological, Pharmaceutical and  
Environmental Sciences,  
University of Messina, 98122  
Messina, Italy

**Dr. Paola Gaviani**

Neuro Oncology Unit, Neuro  
Oncology Department,  
Fondazione IRCCS Istituto  
Neurologico Carlo Besta, 20133  
Milano, Italy

Deadline for manuscript  
submissions:

**31 October 2024**

### Message from the Guest Editors

Brain tumors are a heterogeneous group of neoplasms, the most common being gliomas, that differ in their spectrum of behavior, from those which are relatively benign to the most malignant, glioblastoma multiforme. Due to their micro-environment within the central nervous system, and due to the presence of blood–brain barrier, blood–cerebrospinal fluid barrier, and blood–tumor barrier, brain tumors are well isolated from systemic circulation. For this reason, systemic therapy has been mostly unsuccessful. However, brain tumors no longer carry the same prognosis as they did some years ago. Improvements in surgery can related with this view as well as for the other innovative therapies combined with surgery.

The possibility of targeted therapies, which spare normal tissue and destroy tumor cells, is changing the field of Neuro-Oncology, with significant impact on the treatment of malignant brain tumors in the near future.

This Special Issue aims to focus about novel aspects of precision medicine in Neuro-oncology, targeted and immunotherapy, clinical research specific open clinical trials and comprehensive reviews.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Samuel C. Mok

Department of Gynecologic  
Oncology and Reproductive  
Medicine, The University of Texas  
MD Anderson Cancer Center,  
Houston, TX 77030, USA

## Message from the Editor-in-Chief

*Cancers* is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

## 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, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Oncology*) / CiteScore - Q1 (*Oncology*)

## Contact Us

---

Cancers Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/cancers](http://mdpi.com/journal/cancers)  
[cancers@mdpi.com](mailto:cancers@mdpi.com)  
[X@Cancers\\_MDPI](https://twitter.com/Cancers_MDPI)