



## Functional Neuro-Oncology (2nd Edition)

Guest Editor:

**Dr. Alireza Mansouri**

Penn State Health Milton S.  
Hershey Medical Center, Hershey,  
PA, USA

Deadline for manuscript  
submissions:

**closed (15 September 2024)**

### Message from the Guest Editor

There is increasing evidence to support the notion that the nervous system plays a pivotal role in the progression of brain neoplasms, both primary and metastatic. This has culminated in the rise in functional neuro-oncology as a specialist subset of neuro-oncology. The adoption of a functional approach to the management of brain tumors has improved our ability to achieve maximally safe tumor resection, elucidated several functional brain networks affected by tumors, and offered insight into the mechanism of brain tumor progression. However, this knowledge has also given rise to additional questions, concerning the role of the nervous system in the initiation of intrinsic brain tumors, the contribution of this interaction to the development of tumor-related epilepsy and strategies to mitigate it, the effect of various therapies on this interaction, and identifying opportunities for more effective therapeutic intervention. This Special Issue will highlight the latest developments in the field of functional neuro-oncology, with a particular focus on further elaborating on our mechanistic understanding and therapeutic opportunities.





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* (ISSN 2072-6694) is an international, online journal addressing both clinical and basic science issues related to cancer research. The journal will continue its 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, Grosspeteranlage 5  
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)