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Functional Neuro-Oncology

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Message from the Guest Editors

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. 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. A more comprehensive understanding of this interplay can also be leveraged to improve cognitive rehabilitation.

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.



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Special Issue



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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.

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