



Molecular and Cellular Biology of Brain Tumors and Neuro-Oncology

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Message from the Guest Editor

Dear Colleagues,

Understanding the cellular and molecular processes underlying the origin and progression of brain tumors, as well as the mechanisms of resistance to treatment and metastasis, is crucial for the development of better diagnostic tools and molecularly targeted innovative therapies. Despite important advances made in brain tumor biology over recent years, prognosis remains dismal, and survivors suffer from long-term sequelae of cytotoxic chemotherapy, radiotherapy, and surgical interventions. In this Special Issue of *Brain Sciences*, the current state of knowledge on the biological basis of brain tumor types including gliomas, medulloblastoma, and ependymomas will be addressed, and the potential applications of this knowledge for the development of novel diagnostic and therapeutic strategies will be presented.

Dr. Rafael Roesler
Guest Editor





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Message from the Editor-in-Chief

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