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# Molecular and Cellular Biology of Brain Tumors and Neuro-Oncology

Guest Editor:

### Dr. Rafael Roesler

1. Cancer and Neurobiology Laboratory, Experimental Research Center, Clinical Hospital (CPE-HCPA), Federal University of Rio Grande do Sul, Porto Alegre 90035-003, Brazil 2. Department of Pharmacology, Institute for Basic Health Sciences, Federal University of Rio Grande do Sul, Porto Alegre 90035-003, Brazil

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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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### **Editor-in-Chief**

Prof. Dr. Stephen D. Meriney Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA 15260, USA

## **Message from the Editor-in-Chief**

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