

## Special Issue

# Gliomas: From Molecular Mechanisms to Therapeutic Approaches

### Message from the Guest Editors

Gliomas are the most frequent primary brain tumours; despite a multimodal therapeutic approach, based on surgery, radiotherapy and chemotherapy, their prognosis still remains poor. Thus, uncovering the underlying molecular mechanisms of glioma cancerogenesis could provide optional therapeutic strategies, leading to improvements in prognosis. This Special Issue focuses on the pathogenetic mechanisms involved in the onset and progression of gliomas, in order to refine the existing algorithms in neuropathologic diagnosis and to establish appropriate management in neuro-oncological practice. Potential topics include, but are not limited to, the following:

- Technical advancement in gold standard procedures (including magnetic resonance and positron emission tomography);
- Advances in the molecular genetics of gliomas by next-generation techniques with implications for classification and therapy;
- The tumour immune microenvironment and tumour heterogeneity in the discovery of new therapeutic biomarkers (i.e., tumour-associated antigens for CART-therapy);
- Introductions, in clinics, of novel therapeutic options (proton-therapy or immunotherapy).

### Guest Editors

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### Deadline for manuscript submissions

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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