

Special Issue

Molecular and Cellular Research on the Glioma and Tumor Microenvironment

Message from the Guest Editor

The most prevalent primary brain cancer in adults is glioma, which accounts for 75% of all cases. Known as grade IV glioma, GBM is the most aggressive form of this disease. As a result of the development of resistance to TMZ in GBM, and the high heterogeneity between and within tumors, the prognosis remains poor. In this scenario a central role appears to be played by the tumor microenvironment (TME). There are also different cell populations within TME, including fibroblasts, precursor cells, endothelial cells, signaling molecules, and extracellular matrix components. As a consequence, the availability of models and techniques that allow the monitoring of TME during growth or under treatment is essential for an improved understanding of tumors and for more precise diagnosis and treatment.

This Special Issue of the International Journal of Molecular Sciences welcomes both original research articles and review papers that deal with the molecular mechanisms underlying the role of microenvironment signaling in glioma.

Guest Editor

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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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