



Molecular and Cellular Research on the Glioma and Tumor Microenvironment

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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.

Dr. Maria Beatrice Morelli
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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