

Special Issue

Biomechanics and Molecular Research on Glioblastoma

Message from the Guest Editor

Despite the significant amount of research on glioma published in the last decade, further studies are needed to design new therapeutic and diagnostic targets. Thus, identifying and understanding the key element(s) of new molecular mechanisms involving glioma growth and progression in the microenvironment are critical. In this Special Issue, particular attention will be paid to glioblastoma multiforme (GBM). GBM is one of the deadliest common primary brain tumors. This highly malignant tumor represents 50% of all types of primary gliomas in the central nervous system. Considering that in the last decades the mechanical properties of the cell environment together with the variable “stiffness” of cancer cells have emerged as a major determinant of cell behavior in terms of migration, proliferation and differentiation, these aspects are also of interest.

Particular attention will be devoted to papers describing new molecular pathways involved in GBM growth and progression and its biomechanical features. Moreover, studies on new molecules able to interfere with GBM growth and recurrence to yield new potential diagnostic and therapeutic targets are welcome.

Guest Editor

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