

Special Issue

Macrophages in the Glioblastoma Tumor Microenvironment

Message from the Guest Editor

Glioblastoma (GBM) is one of the deadliest human cancers, with a median survival of 12 months from time of diagnosis. Several factors contribute to the malignancy of GBM, including a high degree of local invasiveness, resistance to chemotherapy, and the presence of immunosuppressive cells within the tumor microenvironment. It is known that GBM infiltrating macrophages (GIMs) are prevalent within advanced tumors, in many cases comprising up to 33% of the tumor mass. Substantial evidence demonstrates that these GIMs are responsible for actively promoting the malignant progression of GBM. In this Special Issue, we focus on the molecular mechanisms by which GBM cells recruit and modulate macrophage behavior within the tumor microenvironment. Emphasis is on the roles of colony-stimulating factors (CSF-1, CSF-2/GM-CSF) and chemokines in this process.

Guest Editor

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