

## Special Issue

# Immuno-Oncology in Glioblastoma

### Message from the Guest Editor

Glioblastoma multiforme (GBM) is the most common primary brain cancer that affects children and adults against which we do not have effective therapy. Tumor-infiltrating lymphocytes (named TILs) and factors related to the degree of tumor immunogenicity including the tumor mutational burden, the instability of microsatellites and the molecular subtype of GBM have been postulated as relevant biomarkers. We have postulated that the microglia/macrophage infiltrate could be an especially relevant immunosuppressive mechanism in GBM. For this sake, we have quantified TILs and tumor-associated macrophages (TAMs) in GBM and analyzed their prognostic impact. In conclusion, we propose the use of digital image analysis to quantify TILs in order to obtain more precise values for clinic-pathological correlations. In this way, it can be shown that the expression of M2 macrophage in GBM is significantly associated with worse prognosis. In addition, the higher values of CD8 lymphocytes in GBM are also associated with poorer prognosis in GBM, which could be explained as a reflection of an anergic state of effector cells.

### Guest Editor

Prof. Dr. Miguel Idoate

Department of Pathology, School of Medicine, Virgen Macarena University Hospital, University of Seville, 41009 Seville, Spain

### Deadline for manuscript submissions

closed (20 December 2022)



## Cells

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*Cells*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[cells@mdpi.com](mailto:cells@mdpi.com)

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