



## In Vivo Biomarkers for Immunotherapy Efficacy in Brain Tumours

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Deadline for manuscript  
submissions:

**closed (31 January 2022)**

### Message from the Guest Editor

Immunotherapy, in a broad sense, is gaining ground in cancer treatment and recent literature suggests that brain tumours could also benefit from such strategies. However, we still lack early in vivo biomarkers of successful immunotherapy or, in other words, biomarkers signaling effective immune system recruitment and action against tumours. The well-known pseudoprogression and pseudoresponse phenomena can lead to a misinterpretation at follow-up of the in vivo response to therapy in brain tumours. Moreover, since repeated biopsy is not feasible in human patients and not all patients will benefit from these therapies, knowing in advance whether an immunotherapy is properly recruiting the immune system or not would be of great benefit to patient management. In this Special Issue, we invite researchers to submit original research articles or reviews covering different aspects of the development, validation, and evaluation of in vivo biomarkers of immunotherapy. Potential topics include, but are not limited to imaging biomarkers based on MR approaches or PET; biomarker validation; liquid biopsies; preclinical studies that unravel





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## Message from the Editor-in-Chief

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