



Tumour Associated Dendritic Cells

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Message from the Guest Editor

The key role of dendritic cells (DC) in priming adaptive immune responses has long been harnessed for cancer vaccines. Although there is clear evidence that DC vaccines are well tolerated and can induce tumour immune responses, overall they have been of limited clinical benefit. Despite their long history in the clinic, the role of DC in tumour tissue is not well understood and has been confounded by their rarity, heterogeneity and overlapping markers with other myeloid populations. DC can be divided into distinct subsets with highly specialized functions. In a number of mouse tumour models the cDC1 DC subset has been shown to be required for priming anti-tumour immunity and for the efficacy of immunotherapies. These findings reinvigorate manipulation of DC as an attractive strategy to induce or improve immune responses in cancer patients. In this Special Issue, we welcome submissions that will help to build a more complete picture of the role of DC in cancer and particularly welcome submissions on the role of DC subsets in a variety of cancer types, human cancers and new ways in which they may be harnessed to improve tumour immune responses.





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Message from the Editor-in-Chief

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