The elevation of inflammation and immune response to hallmarks of cancer recognized the fundamental roles of these processes in the development and progression of cancer. Immune-related therapies are rapidly emerging as a major pillar of cancer treatment. However, these processes are complex and response to immunotherapies remains difficult to predict. This special issue will focus on the mechanisms and manifestations of tumour-promoting inflammation and immune response. It will highlight advances in immune-related treatments for cancer, review biomarkers and new technologies for understanding and monitoring response and explore evidence for genetic and environmental modifiers of this response. The choice of a model system to study inflammation and immune response can be challenging, but is critical for translatable findings. Lessons learnt from non-human models can provide valuable insights for human studies. Relevant studies in human, rodent and other systems will be considered. This issue will include commentary and invited review articles, as well as original research contributions.

We invite submissions of original research contributions for this issue by March 31st 2018

Guest editors: Drs Viive Howell, Chris Goodnow, George Kollias, Andreas Behren and Daniel Speidel will coordinate the issue.

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