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Cell Signalling and Inflammation in Cancer

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Deadline for manuscript submissions:

closed (20 April 2024)

Message from the Guest Editors

Dear Colleagues,

Inflammation is an evolutionarily conserved process, which is well known for its essential role in host defence, tissue repair, regeneration, and remodelling.

Over the last few decades, the contribution of inflammation to cancer development, progression, and therapy has been widely recognised. While the induction of acute inflammation often suppresses tumour progression, the onset of chronic inflammation fosters tumorigenesis and therapy resistance. Hence, tumour-promoting inflammation is a hallmark of cancer. The source of this chronic inflammation in cancer has been ascribed to the progressive activation over time of immune cells, mostly of the innate arm of the immune system, which interact with cancer and stromal cells, thus building up an inflammatory and immunosuppressive tumour microenvironment (TME).

Multiple signalling pathways, as well as inflammatory cytokines, chemokines, growth factors, and metabolites, are key orchestrators of inflammation-mediated tumour progression.

In this Special Issue, we welcome reviews and original articles focused on molecular and cellular signalling pathways linking inflammation and cancer.



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Special Issue



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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

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