



## The Molecular and Cellular Mechanisms of Inflammation and Tissue Regeneration

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### Message from the Guest Editor

Dear Colleagues,

Understanding the processes of inflammation and tissue regeneration after injury is of major scientific and clinical importance. Immune cells are a heterogeneous population of cells that acquire their functional specialization in response to micro-environmental alterations. For a long time, immune cells have been known to trigger inflammation and coordinate an efficient repair of damaged tissue. However, the molecular and cellular mechanisms by which they exert their effects are as yet mostly unknown. When repair is not coordinated, regeneration fails and fibrosis can take place. The investigation of immune cell sub-populations by different biological, molecular and cellular methods is essential in establishing new diagnostics for multiple diseases as well as therapeutic strategies for tissue repair. This Special Issue welcomes original articles and reviews focused on the molecular and cellular mechanisms of inflammation and tissue regeneration.





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