



## Signaling Pathways in Acute and Chronic Inflammation

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### Message from the Guest Editor

Inflammation is a process by which the body's white blood cells and the substances they produce protect against infection from outside invaders, such as bacteria and viruses. However, in some diseases, the body's defense system—the immune system—triggers inflammation when there are no invaders to fight off. In these autoimmune diseases, the immune system acts as if regular tissues are infected or somehow unusual, causing damage. Inflammation can be either short-lived (acute) or long-lasting (chronic).

A growing number of molecules have been suggested to contribute to the development of acute and chronic inflammation. However, the mechanisms are not fully understood. More recently, molecular mechanisms that initiate the resolution of inflammation have opened a new avenue for pro-resolution strategies to treat complex acute and chronic inflammatory diseases. However, resolution pathways are heterogeneous and most likely tissue- and stimulus-specific.

For this Special Issue, we invite original research and reviews in the field of acute and chronic inflammation, with a focus on the molecular mechanisms of inflammation persistence versus resolution.





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