



Role of Inflammasomes in Vascular Injury and Fibrosis

Guest Editor:

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Message from the Guest Editor

Inflammasomes are the intracellular machinery to switch on the inflammatory response in a variety of mammalian cells. Inflammasomes are implicated in the pathogenesis of autoinflammatory diseases and various chronic metabolic or degenerative diseases. However, the precise roles and regulatory mechanisms of inflammasomes in cardiovascular and fibrogenic diseases remain largely unknown.

This Special Issue will publish original research papers and reviews to discuss all aspects of inflammasomes in cardiovascular dysfunction and fibrosis that relate to the following topics: Novel danger associated molecular patterns (DAMPs) that sense inflammasomes; the redox-dependent and -independent activation of inflammasomes; molecules or pathways that instigate or diminish inflammasome components; the novel functions of caspase-1 and their substrates; and therapeutic potential of targeting inflammasomes.





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Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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