



New Insights into the Regulation of Inflammation: Mechanisms, Mediators and Therapeutic Targeting

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Message from the Guest Editors

Dear Colleagues,

Inflammation is a physiological response of the host to infectious or sterile tissue damage with the primary purpose of restoring tissue homeostasis. However, failure in the regulation of inflammation underlies the pathogenesis of several disorders, including metabolic syndromes, autoimmunity, cardiovascular and neurodegenerative pathologies, and cancer. The fine-tuning of inflammation involves various cellular pathways to endogenously generated mediators; it includes changing in cytokines and lipid mediators, apoptosis of inflammatory infiltrating cells and macrophage polarization towards a pro-resolved phenotype. In this Special Issue, “*New Insights into the Regulation of Inflammation: Mechanisms, Mediators and Therapeutic Targeting*”, we invite investigators to contribute with high-quality original research and review articles focused on molecular, cellular and genetic determinants involved in regulation of inflammation as a basis for the development of innovative approaches for the treatment of inflammation-related diseases.

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