

Special Issue

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

Message from the Guest Editors

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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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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