

Special Issue

Emerging Roles of Epigenetic Regulators in Inflammatory Diseases

Message from the Guest Editors

Emerging evidence suggests that epigenetic events play a crucial role in the initiation and progression of inflammation by influencing various immune components. These epigenetic modifications can lead to the aberrant activation or suppression of genes in both immune and non-immune cells under inflammatory conditions, contributing to the development of inflammatory diseases such as atherosclerosis, autoimmune disorders, neurodegenerative diseases and cancer. Although it is well-established that immune responses can induce epigenetic changes during the genesis and progression of inflammatory diseases, the specific contribution of the immune component versus the stimulated host cell in driving these epigenetic modifications remains unclear. The aim of the Special Issue is to provide a comprehensive overview of the recent advancements and emerging research related to the involvement of epigenetic regulators in various inflammatory diseases and their potential as therapeutic targets:

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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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