

Special Issue

Cellular Signaling and Cardiovascular Diseases: From NF- κ B to Golgi Dynamics

Message from the Guest Editor

Cardiovascular diseases (CVDs) are a leading cause of morbidity and mortality worldwide and are driven by multifaceted cellular and molecular mechanisms.

Vascular cells, particularly endothelial cells (ECs) and vascular smooth muscle cells (VSMCs), play central roles in maintaining vascular integrity and function. The dysregulation of signaling pathways in these cells contributes to inflammation, immune activation, and pathological remodeling characteristics in many CVDs. Among these pathways, NF- κ B signaling has been extensively studied for its role in promoting vascular inflammation and immune responses. In parallel, epigenetic regulation and emerging insights into subcellular organelle dynamics—such as Golgi apparatus remodeling—have opened up new avenues for understanding the progression of cardiovascular pathology.

Guest Editor

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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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