

Special Issue

Cardiometabolic Disorders: From Pathophysiological Mechanism to Therapeutic Target

Message from the Guest Editors

Cardiometabolic syndromes and disorders are rapidly becoming a non-communicable pandemic of the 21st century. Majorly prevalent behaviors in modern societies, such as smoking, alcohol use, and sleep deprivation, all act as independent risk factors able to trigger the onset of cardiometabolic disease. Such cardiometabolic derangements often coexist and encompass a spectrum of conditions such as insulin resistance, obstructive sleep apnea, and central adiposity. On the cellular level, these entities often exhibit complex pathophysiological pathways and interactions that entail a low-grade systemic inflammation, endothelial injury, alterations in the fatty acid metabolism, and cellular damage induced by reactive oxygen species. Therefore, the present Special Issue aims to feature the most comprehensive and up-to-date original articles and specialized reviews helping to understand the pathophysiological mechanisms and biological targets central to the development and progression of cardiometabolic disorders, as well as to illustrate how these cardiometabolic abnormalities can bring about adverse cardiovascular events such as myocardial infarction and stroke.

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