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Molecular and Cellular Mechanisms of Cardiovascular and Metabolic Diseases

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Message from the Guest Editor

Dear Colleagues,

Globally, cardiovascular disease (CVD) is the leading cause of death, the primary contributor to disability, and causes about one third of all deaths. The prevalence of and disability due to CVD has doubled and is affecting more than 500 million people. CVD is influenced by both environmental and genetic triggers. Even though there is significant progress in identifying the multifactorial mechanisms associated with cardiometabolic complications: studies are still needed to unravel novel molecular mechanisms that may open new therapeutic horizons and will significantly reduce the prevalence and disability associated with this disease. This Special Issue focuses on the pathophysiology and novel molecular mechanism associated with cardiometabolic syndrome with a special emphasis on mitochondrial dysfunction, ER stress, oxidative stress, obesity, diabetes, anticancer drugmediated cardiomyopathy, atherosclerosis, and nutrition. Identifying novel molecular mechanisms may help to implement cost effective, population-based prevention.













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