Special Issue

Molecular and Cellular Mechanisms of Cardiovascular and Metabolic Diseases

Message from the Guest Editor

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 drug-mediated cardiomyopathy, atherosclerosis, and nutrition. Identifying novel molecular mechanisms may help to implement cost effective, population-based early prevention.

Guest Editor

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Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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