Special Issue

Molecular Mechanisms Underlying Cardiac Dysfunction

Message from the Guest Editors

Cardiac dysfunction is a common feature associated with various of stress and disease states (i.e., atherosclerosis, myocardial infarction, hypertension, obesity, diabetes, and sepsis). Over past decades, tremendous efforts have been spent to elucidate its underlying mechanisms as follows: dysregulated non-coding RNAs, dysfunction of endothelial cells and immune cells (macrophages, neutrophils and T cells), impaired mitochondrial function, cardiomyocyte death (apoptosis, necroptosis, and autosis), protein misfolding, and abnormal post-translational modifications of proteins (i.e. ubiquitination, sumoylation, neddylation) and epigenetic modifications on RNAs/DNA (i.e. m6A-mRNAs). In addition, metabolites, extracellular vesicles (EVs) and cardiac extracellular matrix (ECM) also play critical roles in the regulation of cardiac function upon stress and disease conditions. Therefore, to reflect and update recent progress on these topics described above, we are welcoming you to contribute research and review articles to this special issue.

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Message from the Editorial Board

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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