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The Cell Biology of Heart Disease

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Message from the Guest Editors

Cardiovascular diseases (CVDs) are one of the leading causes of death worldwide mostly prevalent in older individuals, but now also common in younger populations due to unhealthy lifestyle, poor diet, lack of physical activity, obesity, stress and diabetes. Our heart is made up of various cell types with distinct functions that contribute to its overall structure and function. These different types of cells work together to ensure the proper function of the heart, including its contractility, electrical activity, structural integrity and vascular perfusion. In a disease state, alterations of these cells occur, leading to the development of various CVDs including coronary artery disease (CAD), heart failure, arrhythmias and cardiomyopathies. Understanding the roles and interactions of these cells is crucial for advancing treatments for heart diseases.

In this Special Issue, we create a unique platform where the discussion of the cellular state of in heart during physiological and pathological conditions will be highlighted. Researchers from various CVD backgrounds, including CAD, diabetes and obesity, are invited to contribute their findings.



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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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