

Special Issue

Calcium-Permeable Cation Channels in Cardiovascular Function and Disease

Message from the Guest Editor

The cardiovascular system comprises the heart and blood vessels, which combine to provide the circulation and transport of oxygen, nutrients, waste products and heat around our body in the blood, functions that are essential for life. It is therefore not surprising that cardiovascular diseases such as hypertension, coronary artery disease and heart failure are associated with significant outcomes for population morbidity and mortality. As such, it is important that we continue to develop our understanding of the fundamental cellular processes that govern heart and vascular function and how they are altered in disease. Calcium signalling is one such fundamental cellular process. The aim of this Special Issue is to summarize our current knowledge, through original research and review articles, on the molecular composition, activation and regulatory mechanisms, pharmacology, and function of Ca-permeable ion channels in the cardiovascular system, and changes in these properties in disease. For further reading, please visit the [Special Issue website](#).

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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