

Special Issue

Advancements in Cardiac Metabolism

Message from the Guest Editor

The heart is a metabolic omnivore, with the flexibility to shift metabolic fuel upon demand to enable constant function. Cardiac metabolism plays a crucial role in maintaining heart function and overall cardiovascular health. With cardiovascular disease being the leading cause of death worldwide, it is vital to understand the dysregulation of cardiac metabolism and its implications in numerous cardiovascular diseases, including heart failure, ischemic heart disease, and diabetic cardiomyopathy. Understanding the intricate metabolic pathways and their regulation in the heart is essential for developing novel therapeutic strategies to maintain efficient utilization of various energy substrates for continuous activity. This Special Issue will explore the latest advancements in cardiac metabolic research, including the impact of metabolic remodelling on cardiac function; the role of mitochondrial dynamics and bioenergetics in the heart; the interplay between systemic metabolic disorders and cardiac metabolism; and innovative therapeutic approaches targeting metabolic pathways to treat cardiovascular diseases.

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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