

Special Issue

Cellular and Molecular Mechanisms of Cardiomyopathy

Message from the Guest Editors

Cardiomyopathies are a heterogeneous group of diseases which affect cardiac structure and function, and represent a major cause of heart failure and sudden cardiac death. Although the management of patients with cardiomyopathies has improved, many gaps in knowledge remain, especially those related to the molecular mechanisms underlying the development and progression of these diseases. Basic research has already demonstrated that numerous cellular processes, such as calcium handling, protein quality control, mitochondrial function, and neuro-cardiac communication are impaired in many forms of cardiomyopathy. However, further studies are needed to better understand their specific contributions and to accelerate the translation of these findings into clinical practice. This Special Issue will focus on the characterization of novel cellular and molecular determinants involved in cardiomyopathies, with strong potential for prevention and therapy. We encourage the submission of original articles reporting studies conducted in validated animal models of genetic or acquired cardiomyopathy, as well as clinical evidence from patients and comprehensive review articles.

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About the Journal

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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