

Special Issue

Cell Signalling in the Cardiovascular System

Message from the Guest Editor

Heart valve disease (HVD) and heart failure (HF) are major health issues that are steadily increasing in prevalence in Western populations. In addition, ageing of the population will make incidence and prevalence of HVD and HF rise inexorably, unless effective preventive therapy is applied. No therapy targeting pathophysiological mechanisms, such as fibrosis or inflammation, is available for clinical use. In this sense, the purpose of this Special Issue of *Cells* is to provide the reader with a collection of original research articles, reviews, and communications addressing the molecular and cellular basis of fibrosis and inflammation in HVD or HF. We aim to highlight the key involvement of cardiovascular cells in the pathophysiology of fibrosis and inflammation. Moreover, we aim to study molecules involved in the processes of fibroblast differentiation to myofibroblasts, collagen synthesis over degradation balance, collagen maturation, and/or valve cells pathophysiology. We are looking forward to your contributions to this Special Issue.

Guest Editor

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2024).