

## Special Issue

# Ischemic Heart Disease: From Cellular Level to Clinical Approaches

### Message from the Guest Editors

Ischemic heart disease (IHD) remains a leading cause of morbidity and mortality worldwide, with a complex pathophysiology rooted in molecular and cellular dysfunction. This Special Issue will highlight cutting-edge research that explores the fundamental mechanisms underlying IHD and its clinical manifestations—from classic myocardial ischemia and reperfusion injury to inflammation, chronic remodeling, and fibrosis. We particularly welcome studies focusing on oxidative stress, mitochondrial dysfunction, inflammatory signaling, endothelial biology, and cardiomyocyte death pathways. Emerging areas such as epigenetic regulation, non-coding RNAs, immunometabolism, and single-cell transcriptomics are of particular interest, as they offer new therapeutic insights and precision medicine opportunities. Additionally, we encourage contributions exploring mechanisms of angiogenesis, ischemic preconditioning, and advanced nanotechnology-based drug delivery systems. Both original research articles and reviews are welcome, provided that they offer strong molecular or cellular insights relevant to the pathogenesis, diagnosis, or treatment of ischemic heart disease.

### Guest Editors

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### Deadline for manuscript submissions

10 August 2026



## Cells

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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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### Editors-in-Chief

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#### Journal Rank:

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).