

## Special Issue

# New Advances in Cardiac and Vascular Physiology

### Message from the Guest Editor

Our understanding of cardiac and vascular physiology and pathophysiology continues to evolve. The incidence of chronic heart failure is increasing, despite current best practices. The role of the immune system in the evolution of vascular injury such as aneurysms and in cardiac remodeling after stress or injury is not yet completely understood. The alpha-adrenergic receptor has a stronger role in cardiac responses than we previously believed. Cross-specialism understanding between cancer therapeutics and cardiac toxicity is increasingly valued. Information on the roles of new receptor families such as proton-sensing GPCRs is emerging. A pandemic has passed but left us with endemic exposures and unanswered questions about lasting cardiac and vascular effects. It is necessary to increase awareness around the long-term impact of environmental exposures as aggravating risks, as well as the current status of once-promising interventions. This Special Issue will provide comprehensive updates on a wide range of potential pathophysiological processes related to cardiac and vascular disease processes. We hope that you will consider joining us.

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### Guest Editor

Prof. Dr. Robert M. Lust

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### Deadline for manuscript submissions

31 May 2026



## Cells

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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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