

Special Issue

Review Papers in (Re)programming Cells for Cardiac Repair

Message from the Guest Editors

Cardiac disease is the leading cause of death worldwide due to the failure of the adult human heart to replenish the considerable loss of cardiomyocytes caused by various insults (e.g., ischemia). Regenerative medicine is an innovative approach to repair and replace damaged heart cells and is undergoing a major revolution due to the unprecedented need for therapeutics to treat cardiac patients around the world. This Special Issue aims to publish high-quality review articles that provide novel insights and conceptual advancements in the field of cardiac (re)programming for cardiac repair, in particular in terms of the signaling pathways and transcriptional/epigenetic regulation for cardiac lineage commitment. We kindly encourage all research groups covering relevant areas within the issue's scope to contribute up-to-date, full-length comprehensive reviews, highlighting the latest developments in their research field, or to invite relevant experts and colleagues to do so. Keywords

- cardiac programming
- cardiogenesis
- transcriptional regulation
- epigenetics
- cardiac tissue engineering

Guest Editors

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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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JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).