



*cells*



an Open Access Journal by MDPI

## Cell-Based Therapy of Cardiovascular Diseases

Guest Editors:

### **Dr. Lei Ye**

Department of Biomedical Engineering, The University of Alabama at Birmingham, Birmingham, AL 35294, USA

### **Prof. Dr. Feng Cao**

National Clinical Research Center for Geriatric Diseases in China, Chinese PLA General Hospital, Beijing 100853, China

Deadline for manuscript submissions:

**closed (1 December 2022)**

### **Message from the Guest Editors**

Despite advances in medicine, cardiovascular diseases (CVDs) are still the leading cause of death worldwide. The development of stem cell biology has enabled cell-based therapy as a promising approach to promote the repair of injured tissue and replenish new and functional cells.

In this Special Issue, we invite cardiologists and cell and developmental biologists to submit research on the strategies to boost and improve our understanding of the mechanism of cell-based therapy for the treatment of cardiovascular diseases. Topics include but are not limited to pluripotent stem cells, multipotent stem cells, and progenitor cells and their derivatives, including nanovesicles and exosomes, novel cellular delivery approaches and monitoring modality, preclinical studies, etc. We hope this Special Issue will provide new insights into understanding the key factors promoting cell-based therapy efficacy, attesting new cellular or molecular interventions, and promoting novel cellular therapeutic strategies for the treatment of cardiovascular diseases.

Dr. Lei Ye  
Prof. Dr. Feng Cao



[mdpi.com/si/108603](https://mdpi.com/si/108603)

# Special Issue



*cells*



an Open Access Journal by MDPI

## Editors-in-Chief

**Prof. Dr. Alexander E.  
Kalyuzhny**

Neuroscience, UMN Twin Cities,  
6-145 Jackson Hall, 321 Church St  
SE, Minneapolis, MN 55455, USA

**Prof. Dr. Cord Brakebusch**

Biotech Research & Innovation  
Centre, The University of  
Copenhagen, Copenhagen,  
Denmark

## 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.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [CAPus / SciFinder](#), and [other databases](#).

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

## Contact Us

*Cells* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/cells](http://mdpi.com/journal/cells)  
[cells@mdpi.com](mailto:cells@mdpi.com)  
[X@Cells\\_MDPI](#)