



Stem Cells and Cardiovascular Diseases

Guest Editor:

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Deadline for manuscript
submissions:

closed (31 May 2023)

Message from the Guest Editor

Dear Colleagues,

Stem cell-based therapies have emerged as the very promising treatment modality in cardiovascular diseases. Despite advances in stem cell research, the efficacy of stem cell therapy for ischemic heart disease is paradoxical. The disappointing results from previous clinical trials could be caused by inappropriate delivery route, timing, cell distribution post administration, or the mechanism of action, etc.

To better understand stem cell-based therapies in cardiovascular diseases, we invite both original articles and reviews that cover (but are not limited to) the following topics:

- Stem cell-derived extracellular vesicles/exosomes in cardiovascular repair;
- Epigenetic modification of stem cells in cardiovascular regeneration;
- Microenvironment in stem cell therapeutic efficacy;
- Single-cell RNA sequencing in stem cell research;
- Disease models using human iPSC-derived cardiomyocytes;
- Biomaterials-based delivery of stem cells in myocardial infarction;
- Biological activities of endogenous cardiac progenitor cells after myocardial ischemia.





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Message from the Editor-in-Chief

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