

## Special Issue

# Stem Cells and Cardiovascular Diseases

### Message from the Guest Editor

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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### Guest Editor

Dr. Meijing Wang

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### Deadline for manuscript submissions

closed (31 May 2023)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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