

Special Issue

Stem Cells and Cardiovascular Diseases—More than Just about Cells

Message from the Guest Editor

We are pleased to invite you to share your results of current investigations on somatic stem cells or iPS-derived cells in cardiovascular research, with a focus on the paracrine function of these cells, their molecular interplay with a potential host, and of re-programming or adjusting their secretome using gene editing or environmental changes. In this line, reports on investigations of acellular models are welcome as well.

This Special Issue aims to increase the knowledge of cell-based therapies for vascular diseases including myocardial diseases, cerebral diseases or peripheral artery diseases. Potential topics include, but are not limited to: Different models of cardiomyocyte, vascular or neuronal ischemia treated with stem cells or iPS-derived cells in vitro

Analysis of stem cell secretome under different culturing conditions

Analysis of cell–cell interaction of stem cells with tissue resident or immune cells

Modeling stem cell function to the need in different disease models

Acellular treatment models of cardiomyocyte, vascular or neuronal ischemia, i.e., secretome transfer

Improvement of endothelial cell function by modified paracrine functions of stem cells

Guest Editor

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closed (20 February 2025)



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Message from the Editor-in-Chief

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