

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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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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