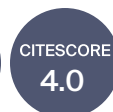




biology



an Open Access Journal by MDPI

Stem Cells for Cardiovascular Biology and Medicine

Guest Editors:

Dr. Nanako Kawaguchi

Department of Pediatric
Cardiology and Adult Congenital
Cardiology, Tokyo Women's
Medical University, Tokyo 162-
8666, Japan

Dr. Toshio Nakanishi

Department of Pediatric
Cardiology and Adult Congenital
Cardiology, Tokyo Women's
Medical University, Tokyo 162-
8666, Japan

Deadline for manuscript
submissions:

closed (31 January 2022)

Message from the Guest Editors

Various somatic stem cells, such as cardiac stem/progenitor cells (CSCs/CPCs), have been established and studied for future use in medical fields such as regenerative medicine. Induced pluripotent stem (iPS) cells have been studied for this purpose. Using iPS-cell-derived cardiac myocytes, an in vitro disease model was established for the evaluation of the effect of treatment with drugs and chemicals. Studies have shown both the existence and non-existence of CSCs/CPCs. The variation of in vitro differentiation is the strength of iPS cells, but the reported degree of variation varies across different studies.

This Special Issue focuses on current investigations of various somatic stem cells, including bone marrow (stem) cells, CSCs/CPCs, and iPS cells, and the environmental regulation of stem cells including chemokines. We are also interested in discussing how much we have currently achieved in these fields and what may be the obstacles to the further study of stem cells in cardiovascular biology and medicine. In this context, we welcome the submission of original research, short communication, and review manuscripts.



mdpi.com/si/57797

Special Issue



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Jukka Finne

Research Programme in
Molecular and Integrative
Biosciences, Faculty of Biological
and Environmental Sciences,
University of Helsinki, P.O. Box
56, FI-00014 Helsinki, Finland

Prof. Dr. Andrés Moya

Integrative Systems Biology
Institute, University of Valencia
and CSIC, 46980 Valencia, Spain

Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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, PMC, PubAg, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Biology*) / CiteScore - Q1 (*General Agricultural and Biological Sciences*)

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biology
biology@mdpi.com
[X@Biology_MDPI](https://twitter.com/Biology_MDPI)