



an Open Access Journal by MDPI

Cardiac Regeneration

Guest Editors:

Dr. Johannes Holfeld

CARE lab, University Clinic of
Cardiac Surgery, Medical
University of Innsbruck, 6020
Innsbruck, Austria

Dr. Can Gollmann-Tepeköylü

CARE lab, University Clinic of
Cardiac Surgery, Medical
University of Innsbruck, 6020
Innsbruck, Austria

Deadline for manuscript
submissions:

closed (20 October 2020)

Message from the Guest Editors

Cardiac regeneration remains a dream of modern medicine. After decades of intense stem cell research, still no treatment option for the regeneration of the heart exists in clinical routine use. At the same time, heart failure is a classified endemic in the Western world. It is ever increasing, thereby causing a tremendous socio-economic problem for public healthcare systems. We therefore are in urgent need of innovative new approaches towards cardiac regeneration.

This Special Issue on "Cardiac Regeneration" will therefore focus on original research papers and comprehensive reviews, dealing with cutting-edge experimental approaches for myocardial regeneration. Topics of interest for this Special Issue include but are not limited to the following:

1. Cellular transdifferentiation and reprogramming;
2. Extracellular vesicles;
3. Cell-free therapeutic treatment options;
4. New approaches in gene therapy and genomic editing;
5. Bioengineering approaches;
6. Angiogenesis and neovascularization;
7. RNA-based tissue regeneration;
8. Epigenetic regulation.



mdpi.com/si/46038

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical
Engineering, Texas A&M
University, College Station, TX
77843, USA

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

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, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Biomedical*)

Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.6 days after submission; acceptance to publication is undertaken in 3.1 days (median values for papers published in this journal in the first half of 2024).

Contact Us

Bioengineering Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/bioengineering
bioengineering@mdpi.com
[X@Bioeng_MDPI](https://twitter.com/Bioeng_MDPI)