

Special Issue

Cardiac Repair and Regeneration: New Molecular Mechanisms and Therapeutics

Message from the Guest Editors

The adult heart is largely a postmitotic organ with limited cellular turnover during one's lifetime. In the face of injury, adult cardiomyocytes undergo adverse remodeling and death, severely compromising cardiac structure and function. Over the years, several strategies have evolved with the goal to promote cardiac repair and regeneration in response to myocardial damage. This Special Issue explores the new molecular mechanisms and state-of-the-art therapeutics, including the strategies targeting cardiomyocyte cell cycle activation and proliferation, stem-cell-mediated cardiac repair, role of immune cells in cardiac repair, and extracellular vesicles in cardiac repair and regeneration.

Guest Editors

Dr. Mohsin Khan
Dr. Tamer Mohamed
Dr. Ronald Vagnozzi

Deadline for manuscript submissions

closed (30 June 2021)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/51563

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, MEDLINE, Embase, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)