

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

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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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