

Special Issue

Cellular and Molecular Mechanisms of Cardiovascular Repair

Message from the Guest Editor

This collection aims at highlighting the key roles of defence and repair cell types, such as immune cells and fibroblasts, in injury mending, emphasizing their contribution to cardiac scar formation and remodeling, as well as other accessory mechanisms such as new vessel formation. Furthermore, we will try to provide novel insights into the dynamics of the extracellular matrix (ECM) within physiopathological conditions and elucidate its critical function in supporting tissue structure and inter-cellular communication during fibrosis and healing. Additionally, this Special Issue aims at exploring the mechanisms of fibrosis and its intertwined relationship with inflammation, offering a comprehensive understanding of its impact on cardiovascular function post-injury. We seek contributions also examining angiogenesis, as a vital process in restoring oxygen supply and promoting tissue recovery. By integrating all these key aspects, our collection will provide a holistic view of cardiovascular repair, aiming to advance physiopathology comprehension, as well as suggesting novel therapeutic strategies for cardiovascular diseases.

Guest Editor

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Message from the Editor-in-Chief

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