

## Special Issue

# Cardiac Repair and Regeneration: From Pathogenesis to Therapeutic Perspectives

### Message from the Guest Editors

This Special Issue highlights pathogenesis and cutting-edge therapeutic approaches, including the induction of pre-existing cardiomyocyte proliferation, stem-cell-based cardiac repair, the immune system's role in cardiac regeneration, the impact of micro and long noncoding RNAs, and the influence of the extracellular matrix and metabolism. By shedding light on these areas, this Special Issue aims to advance our understanding on these diseases and their therapeutic strategies. **Keywords:** cardiac damage; cardiac repair; cardiac regeneration; heart regeneration; heart failure; ischemic heart disease; cardiomyocyte; heart regeneration; cardiomyocyte proliferation; cardiomyocyte death; cardiac muscle cell; myocardial infarction; pathogenesis; polyploidization; immune cells; metabolism; cell death; tissue engineering; therapeutic; treatment

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