

Special Issue

Recent Progress in Cardiovascular Tissue Engineering and Regenerative Medicine

Message from the Guest Editors

Cardiovascular pathologies are one of the leading global causes of disease burden. Especially myocardial ischemia, heart valve pathologies, and heart failure still demand novel patient-tailored treatment innovations. Tissue engineering and regenerative medicine cover a broad field that can advance our current understanding of both the pathogenesis and the therapy of cardiovascular diseases. Topics of interest cover both disease modelling and therapy innovations and include but are not limited to bioengineering with bioprinting and biomaterials, tissue decellularization and repopulation, stem cell research and cell therapy, 3D-cell culture and organoids as well as xenotransplantation and artificial organs. We invite researchers to contribute to this special issue with their work addressing current challenges and innovations in the field of cardiovascular medicine, especially methodical articles on myocardial injury, valvular pathologies, vascular biology, and the development of new cardiovascular implants.

Guest Editors

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Editor-in-Chief

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