

## Special Issue

# Cardiac Tissue Engineering: From Tissue Regeneration to In Vitro Tissue Models

### Message from the Guest Editors

We invite you to contribute to our Special Issue on "Cardiac Tissue Engineering: From Tissue Regeneration to In Vitro Tissue Models." Cardiac disease is a leading cause of death globally, and current treatments are inadequate. Cardiac tissue engineering offers promising solutions by creating functional cardiac tissue to replace scar tissue after infarction, and developing in vitro human heart models to study disease pathogenesis and test new treatments, overcoming limitations of animal models and traditional cell cultures. This Special Issue will showcase advancements in the field, including: identification of promising cell sources; design and characterization of biomimetic scaffolds; development of bioreactors; in vitro and in situ cardiac tissue engineering studies; in vitro cardiac tissue models; and heart-on-a-chip technology. We welcome original research and review articles. At least 10 articles will be published, potentially as a book. Your contributions will create a valuable resource for researchers and professionals. We look forward to your submissions.

### Guest Editors

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### Deadline for manuscript submissions

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### Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

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