

## Special Issue

# Advances in Regenerative Medicine in Disease Treatment: Harnessing Potential and Bridging Challenges

### Message from the Guest Editors

Regenerative medicine exhibits the remarkable potential to treat previously incurable diseases by restoring tissue and organ function. Recent breakthroughs in stem cells, biomaterials, molecular therapies, and tissue engineering have unlocked novel clinical translation pathways. However, realizing this potential requires various challenges related to safety, efficacy, scalability, and regulation to be overcome.

This Special Issue aims to provide an overview of innovative research in regenerative research that accelerates the development of transformative therapies. The scope of this Special Issue includes, but is not limited to, the following topics: Elucidating molecular mechanisms guiding tissue regeneration and disease pathogenesis; Crafting targeted delivery systems enabling precise and safe therapeutics; Strategies to modulate immunity for enhanced repair while reducing rejection; Personalized approaches for individualized precision medicine.

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