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Stem Cell & Regenerative Medicine

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About the eBook

The potential use of stem cells in transplantation for the purpose of tissue regeneration is an exciting area of research currently undergoing rapid development. This special volume aims to serve as an impetus in generating more interest among stem cell researchers and biotechnologists to improve and develop the cell-based therapies of damaged tissue using stem cells.

Contents

- ▶ Justice and Vulnerability in Human Embryonic Stem Cell Research
- ▶ Stem Cells and their Contribution to Tissue Repair
- ▶ The Role of Microenvironment Stromal Cells in Regenerative Medicine
- ▶ The Role of Mechanical Forces on Stem Cell Growth and Differentiation
- ▶ Functional Cartilage Tissue Engineering with Adult Stem Cells: Current Status and Future Directions
- ▶ Fundamentals of Dark Hydrogen Fermentations: Multiple Pathways and Enzymes
- ▶ Neural Stem Cells: New Hope for Successful Therapy

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