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eISBN: 978-1-60805-289-9

# Frontiers in Pluripotent Stem Cells Research and Therapeutic Potentials Bench-to-Bedside

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## About the ebook

This e-book brings together the information from the last decade on pluripotent stem cells, compiled by reputed research experts. Research on these cells, including transitional and translational aspects, is explained with the aid of extensive figures, colour photographs, and tables.

### Contents

- ▶ Stem Cells, Definition, Classification and Sources
- ▶ Therapeutic Cloning: Derivation and Propagation of Embryonic Stem Cells by Somatic Cell Nuclear Transfer
- ▶ Characterization of Human Embryonic Stem Cells
- ▶ Generation of Pluripotent Stem Cells and their Developmental Potential
- ▶ Genome, Epigenome and Transcriptome Profiling of Pluripotent Stem Cells
- ▶ Modelling Differentiation of Pluripotent Stem Cells to the Three Germ Layers
- ▶ Stem Cells and Translational Medicine: Ethics, Law, and Policy
- ▶ Pluripotent Stem Cells and Diabetes: Basic Science to Clinical Applications
- ▶ Stem Cells and Ocular Disorders: Basic Science to Clinical Applications

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