

STEM CELL ANTHOLOGY

STEM CELL BIOLOGY, TISSUE ENGINEERING,
CLONING, REGENERATIVE MEDICINE AND BIOLOGY

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- *Authoritative content, written by experts in stem cell research and regenerative medicine*
- *Wide coverage of topics, presenting a solid overview of the field*
- *Material collected from recent volumes ensuring the most up-to-date information on embryonic stem cells, induced pluripotential stem cells, adult stem cells, pluripotency, ethical issues, and other news worthy topics*

Stem cell biology is a rapidly moving field, with significant advances occurring along a number of fronts. This anthology collects into one volume recent review chapters written by many leaders in the field. It first introduces the reader to the basic concepts of stem cell biology and to the large variety of types of stem cells that have been identified in recent years. This is followed by chapters that outline in technical detail laboratory procedures for obtaining and working with stem cells. A section describing types and properties of stem cells is followed by detail on the present status of stem cell biology applied to regenerative medicine. A final section reviews ethical and regulatory considerations around the acquisition and application of stem cells in clinical treatments.

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