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DEVELOPMENTAL AND STEM CELL BIOLOGY IN HEALTH AND DISEASE



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Developmental and Stem Cell Biology in Health and Disease

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About the eBook

This book explains the basic developmental biology of stem cells including the development of stem cells during the implantation stage in utero to the regulation of stem cell division. Medical applications of stem cells in the therapy of diseases such as cancer, neurodegenerative diseases, and bone diseases are also explained in subsequent chapters.

Contents

- Stem Cells, Developmental Biology and Reparative/ Regenerative Medicine: Tools and Hope for Better Human Life
- The First Morphogenetic Events During Mammalian Development
- Gene and Signals Regulating Stem Cell Fates
- Stem Cell Biology: Flies As Models and Examples
- Behavior and Asymmetric Cell Divisions of Stem Cells
- Adult Stem Cell Niches and Their Regulatory Molecular Mechanisms
- Stem Cell Regulatory Mechanisms During Wound Healing and Cancer
- Stem Cells in Cancer Development and Therapy
- Stem Cells and Neurodegenerative Diseases
- Stem Cells and Bone Disorders
- A Scope on Stem Cells and Human Parasites

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