Stem Cells and Regenerative Medicine

This authoritative textbook provides an overview of the latest advances in the field of stem cell biology.

Stem cells have the ability to differentiate into cells that are found throughout the body. This fundamental property of stem cells suggests that they can potentially be used to replace degenerative cells within the body, and regenerate the functional capacity of organ systems that have deteriorated because of disease or aging.

This authoritative textbook provides an overview of the latest advances in the field of stem cell biology, spanning topics that include nuclear reprogramming, somatic cell cloning, and determinants of cell fate; embryonic stem cells for hematopoietic and pancreatic repair; adult stem cells for cardiovascular, neural, renal, and hepatic repair; and manufacturing of stem cells for clinical use.

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