



Adult Stem Cells [

Turksen, Kursad

Springer

Life sciences

Biotechnology

Cell biology

Stem cells

Life Sciences

Stem Cells

Biotechnology

Cell Biology

Monografía

Adult Stem Cells, second edition, takes a critical look at issues concerning the developmental or differentiation potential for a variety of tissue types and for specific adult stem cell types. Since the first edition appeared a decade ago, our understanding of adult stem cells, and more specifically tissue-specific adult stem cells, has advanced tremendously. And an increased interest in regenerative medicine and potential stem cell applications has driven a quest for better understanding of stem cell biology. In turn, this has spawned much activity on generation and utilization of more and better reagents to identify and isolate stem cells and stem cell-like subpopulations, and on assays elucidating their developmental or differentiation potential and functional integration with host tissues and organs. In this fully updated new edition, chapters cover topics ranging from signaling pathways maintaining stemness in hematopoietic cells to regeneration after injury and endocrine mechanisms underlying the stem cell theory of aging. Other chapters cover stem cells by organ or system including pituitary, cardiac, epithelial, teeth, lung, ovary, prostate, liver, and many more. Importantly, the authors of the chapters have not only summarized their successes, but have also summarized some of the difficulties that each particular field is still facing with respect to maximizing the utility of stem cells in clinical settings. Collectively, they impart both the excitement and challenges facing stem cell utilization for repair and regeneration making this book essential reading for those involved in stem cell research as well as those involved in clinical assays

<https://rebiunoda.pro.baratznet.cloud:28443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhemF0ei5yZW4vMTc0NTc5OTA>

Título: Adult Stem Cells [Recurso electrónico] edited by Kursad Turksen

Edición: 2nd ed. 2014

Editorial: New York [etc.] Springer

Descripción física: XIII, 429 p. 29 il., 28 il. en color

Mención de serie: Stem Cell Biology and Regenerative Medicine 2196-8985

Contenido: Signaling Pathways Maintaining Stemness in Adult Hematopoietic Stem Cells -- The Adult Stem Cell Niche -- Adult Stem Cells: Adult Skeletal Muscle Stem Cells -- Adult Cardiac Stem Cells: Identity, Location and Potential -- Adult Pituitary Stem Cells -- Toward Translating Molecular Ear Development to Generate Hair Cells from Stem Cells -- Adult Human Corneal Epithelial Stem Cells -- Adult Stem Cells in Teeth -- Adult Mammary Stem Cells: Identity, Location and Functional Assays -- Adult Ovary Stem Cells -- Adult Prostate Stem Cells -- Adult Lung Stem Cells -- Adult Liver Stem Cells -- Lineage-committed Pancreatic Progenitors and Stem Cells -- Adult Stromal (Skeletal, Mesenchymal) Stem Cells -- Regeneration after Injury - Activation of Stem Cell Stress

Response Pathways to Rapidly Repair Tissues -- Molecular and Endocrine Mechanisms Underlying the Stem Cell Theory of Aging

Detalles del sistema: Modo de acceso: Word Wide Web Modo de acceso: World Wide Web

Fuente de adquisición directa: Springer (e-Books)

ISBN: 9781461495697 9781461495680

Autores: Turksen, Kursad

Punto acceso adicional serie-Título: Stem Cell Biology and Regenerative Medicine 2196-8985

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es