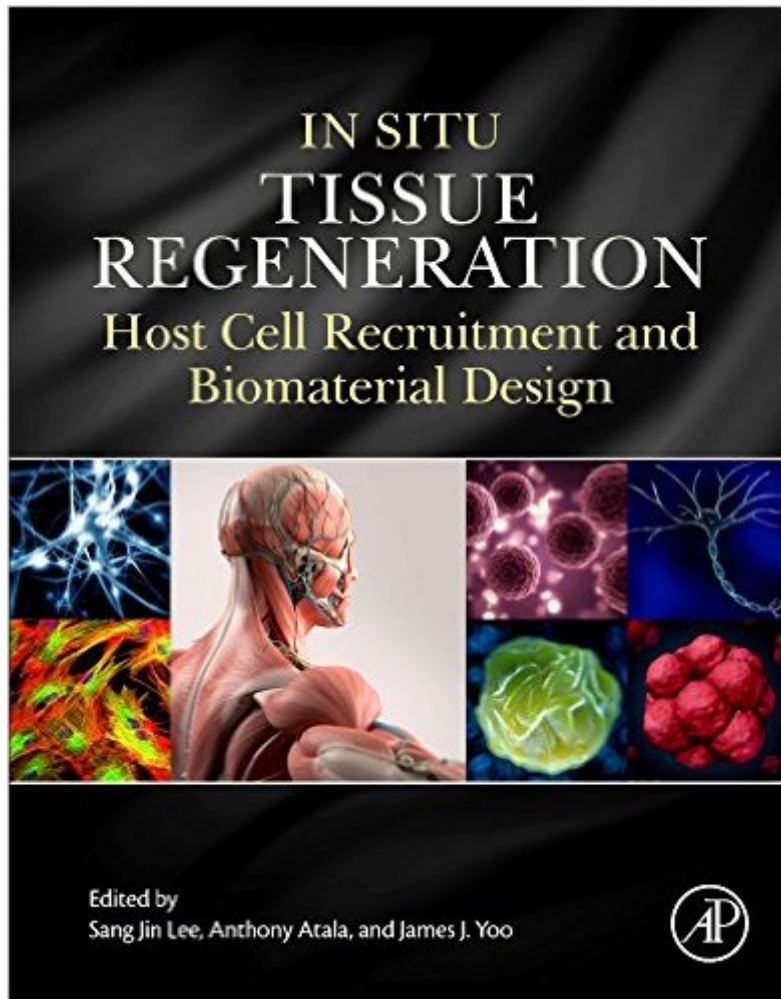


The book was found

In Situ Tissue Regeneration: Host Cell Recruitment And Biomaterial Design



Synopsis

In Situ Tissue Regeneration: Host Cell Recruitment and Biomaterial Design explores the body's ability to mobilize endogenous stem cells to the site of injury and details the latest strategies developed for inducing and supporting the body's own regenerating capacity. From the perspective of regenerative medicine and tissue engineering, this book describes the mechanism of host cell recruitment, cell sourcing, cellular and molecular roles in cell differentiation, navigational cues and niche signals, and a tissue-specific smart biomaterial system that can be applied to a wide range of therapies. The work is divided into four sections to provide a thorough overview and helpful hints for future discoveries: endogenous cell sources; biochemical and physical cues; smart biomaterial development; and applications. Explores the body's ability to mobilize endogenous stem cells to the site of injury Details the latest strategies developed for inducing and supporting the body's own regenerating capacity Presents smart biomaterials in cell-based tissue engineering applications •from the cell level to applications• in the first unified volume Features chapter authors and editors who are authorities in this emerging field Prioritizes a discussion of the future direction of smart biomaterials for in situ tissue regeneration, which will affect an emerging and lucrative industry

Book Information

Paperback: 458 pages

Publisher: Academic Press; 1 edition (August 19, 2016)

Language: English

ISBN-10: 0128022256

ISBN-13: 978-0128022252

Product Dimensions: 0.8 x 7.5 x 9 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #680,940 in Books (See Top 100 in Books) #21 in Books > Textbooks > Medicine & Health Sciences > Reference > Instruments & Supplies #35 in Books > Medical Books > Medicine > Reference > Instruments & Supplies #194 in Books > Engineering & Transportation > Engineering > Bioengineering > Biomedical Engineering

[Download to continue reading...](#)

In Situ Tissue Regeneration: Host Cell Recruitment and Biomaterial Design Host Response to Biomaterials: The Impact of Host Response on Biomaterial Selection Soft Tissue Injuries and Hard

Ball Tactics: Dealing With Soft Tissue Injuries and Insurance Companies Tissue Engineering I: Scaffold Systems for Tissue Engineering (Advances in Biochemical Engineering/Biotechnology) (v. 1) The Posters that Won the War: The Production, Recruitment and War Bond Posters of WWII Toma de muestras y análisis in-situ. QUIE0108 (Spanish Edition) Tratamiento Solar FV de Agua (Spanish Edition): Cómo Energizar Sistemas de Esterilización de Agua con Energía Solar FV para Agua Potable In Situ Cell Biology: With STUDENT CONSULT Access, 2e (Pollard, Cell Biology, with Student Consult Online Access) Cell Press Reviews: Cancer Therapeutics (Cell Press Reviews Series) Molecular Cell Biology (Lodish, Molecular Cell Biology) The Detox Miracle Sourcebook: Raw Foods and Herbs for Complete Cellular Regeneration NATURAL HAIR SCALP REGENERATION - STOP hair loss and regrow hair very FAST GUARANTEED: YOUR LAST CHANCE TO REGROW YOUR HAIR NATURALLY The Schwarzbein Principle II, The "Transition": A Regeneration Program to Prevent and Reverse Accelerated Aging AOSpine Masters Series, Volume 7: Spinal Cord Injury and Regeneration Degeneration-Regeneration Kidney Regeneration Biomimetic Materials And Design: Biointerfacial Strategies, Tissue Engineering And Targeted Drug Delivery (Manufacturing Engineering & Materials Processing) Tissue Engineering: Engineering Principles for the Design of Replacement Organs and Tissues Shade Gardening With Derek Fell: Practical Advice and Personal Favorites from the Best-Selling Author and Television Show Host (For Your Garden Series) Afternoon Tea: Afternoon Tea: Inspiration and How to Host the Perfect Afternoon Tea Party at Your Home (Worlds Most Loved Drinks Book 4)

[Dmca](#)