

The book was found

# Biomaterials Regulating Cell Function And Tissue Development: Volume 530 (MRS Proceedings)



## Synopsis

The primary goal of tissue engineering is to create natural living tissue to restore normal mechanical, metabolic or aesthetic function to an individual. The appropriate design of biomaterials, however, plays a key role in regulating cell behavior and tissue response, and is a key part of tissue regeneration strategy. Consequently, the realm of tissue engineering has come to encompass many materials-based disciplines. This book focuses on the modification and characterization of both natural and synthetic materials to alter the human body's regenerative response. More specifically, the volume consists of three sections. The design, preclinical and clinical evaluation of biomaterials and biomaterial-cell constructs aimed at functional tissue reconstruction is the primary focus of Part I. Control of cell interactions by tailoring biomaterial chemistry or surface properties is highlighted in Part II. Part III features orthopedic applications of cell interactive biomaterials.

## Book Information

Series: MRS Proceedings (Book 530)

Hardcover: 134 pages

Publisher: Cambridge University Press; 1 edition (November 10, 1998)

Language: English

ISBN-10: 155899436X

ISBN-13: 978-1558994362

Product Dimensions: 6 x 0.4 x 9 inches

Shipping Weight: 13.6 ounces

Average Customer Review: Be the first to review this item

Best Sellers Rank: #16,348,109 in Books (See Top 100 in Books) #98 in Books > Textbooks > Medicine & Health Sciences > Medicine > Special Topics > Prosthesis #623 in Books > Medical Books > Medicine > Prosthesis #1253 in Books > Textbooks > Medicine & Health Sciences > Allied Health Services > Medical Technology

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

Biomaterials Regulating Cell Function and Tissue Development: Volume 530 (MRS Proceedings)  
Tissue Engineering II: Basics of Tissue Engineering and Tissue Applications (Advances in Biochemical Engineering/Biotechnology)  
Introduction to Cell and Tissue Culture: Theory and Technique (Introductory Cell and Molecular Biology Techniques)  
Wound Healing Biomaterials - Volume 2: Functional Biomaterials Biomechanics and Mechanobiology of Aneurysms (Studies in Mechanobiology, Tissue Engineering and Biomaterials) (Volume 7)  
Regulatory Affairs for

Biomaterials and Medical Devices (Woodhead Publishing Series in Biomaterials) Dental  
Biomaterials: Imaging, Testing and Modelling (Woodhead Publishing Series in Biomaterials)  
Sterilisation of Biomaterials and Medical Devices (Woodhead Publishing Series in Biomaterials)  
Perspectives in Total Hip Arthroplasty: Advances in Biomaterials and their Tribological Interactions  
(Woodhead Publishing Series in Biomaterials) Emerging Biomaterials and Techniques in Tissue  
Regeneration, An Issue of Oral and Maxillofacial Surgery Clinics of North America, 1e (The Clinics:  
Surgery) Cells and Biomaterials for Intervertebral Disc Regeneration (Synthesis Lectures on Tissue  
Engineering) Bio-Implant Interface: Improving Biomaterials and Tissue Reactions Fly Ash and Coal  
Conversion By-Products: Characterization, Utilization and Disposal III: Volume 86 (MRS  
Proceedings) Advanced Metallization and Interconnect Systems for ULSI Applications in 1995:  
Volume 11 (MRS Conference Proceedings) Mrs. & Mrs.: The 200-page Notebook for Lesbian  
Newlywed, Getting Married, or Anniversary, as a Keepsake, Memory Book, Wedding Planning List,  
or a ... 9 (Present Lover's Language Diary) (Volume 3) Nova Scotia, New Brunswick & Prince  
Edward Island (Canada Maritime Provinces) 1:530,000 Travel Map ITMB Mrs. Lincoln and Mrs.  
Keckly: The Remarkable Story of the Friendship Between a First Lady and a Former Slave Major  
and Mrs Holt's Pocket Battlefield Guide To Normandy (Major and Mrs Holt's Battlefield Guides)  
Stained Glass Tissue Box Cover: How to make your own stained glass tissue box covers Tissue  
Engineering I: Scaffold Systems for Tissue Engineering (Advances in Biochemical  
Engineering/Biotechnology) (v. 1)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)