

Kewal K. Jain

Applications of Biotechnology in Cardiovascular Therapeutics

 Humana Press

Applications Of Biotechnology In Cardiovascular Therapeutics

G Psacharopoulos



Applications Of Biotechnology In Cardiovascular Therapeutics:

Applications of Biotechnology in Cardiovascular Therapeutics Kewal K. Jain, 2011-07-25 For physicians surgeons and scientists working on cardiovascular disorders Applications of Biotechnology in Cardiovascular Therapeutics serves as an invaluable reference by collecting the essential writings of Dr Kewal K Jain on the topics of biotechnology as they relate to cardiovascular disease This thorough volume includes such subjects as biotechnology and therapeutic delivery to the cardiovascular system cell selective targeted drug delivery cell and gene therapies including antisense and RNA interference cutting edge gene therapy approaches as well as personalized cardiology as a way of integrating new technologies into the selection of the best possible treatment for an individual patient Selected references from recent literature are collected for each chapter and the text is supplemented by a variety of useful tables and figures Comprehensive and up to date Applications of Biotechnology in Cardiovascular Therapeutics will be tremendously useful for those working in life sciences and the pharmaceutical sciences and the inclusion of some basics of cardiovascular diseases will greatly benefit nonmedical readers as well

Biotechnology Applied to Inflammatory Diseases Daniele Ribeiro de Araujo, Marcela Carneiro-Ramos, 2023-03-14 Biotechnology involves an interdisciplinary science that provides an interface between biological molecular and cellular aspects of living organisms with broad technologies applicable in the fields of health environment and materials This book Biotechnology applied to inflammatory diseases Cellular mechanisms and nanomedicine is focused on elaborating especially on two trendy areas from Biotechnology In this volume different inflammatory pathologies in terms of cellular and molecular mechanisms are characterized to better understand the science behind current precision medicine The second part of the book focuses on the main biotechnological advancements for the understanding of the molecular mechanisms involved in the progression of various types of inflammatory diseases highlighting up to date contributions of nanomedicine The reader will be able to explore the utilization of technologies for various inflammatory diseases and will be able to enable an engaging and valuable knowledge for further research and clinically applied scenarios

The Cardiovascular System Hussein Hassan Sabit, 2025-06-30 The series Stem Cell Innovation in Health and is contributed by world renowned authors in the field Provides cutting edge research to understand stem cell functions used in disease and disorders treatments of the cardiovascular system Develops processes to bring stem cells from bench to bedside Includes up to date references on stem cell biology and function in common cardiovascular system diseases and disorders

Textbook of Hyperbaric Medicine Kewal K. Jain, 2016-11-25 This comprehensive volume captures the latest scientific evidence technological advances treatments and impact of biotechnology in hyperbaric oxygen therapy Divided into three distinct sections the book begins with basic aspects that include history equipment safety and diagnostic approaches this is followed by clinical applications for hyperbaric oxygen therapy in various modalities the last section provides an overview of hyperbaric medicine as a specialty with best practices from around the world Integration of multidisciplinary approaches to

complex disorders are also covered Updated and significantly expanded from previous editions Textbook of Hyperbaric Medicine 6th Edition will continue to be the definitive guide to this burgeoning field for students trainees physicians and specialists

Cardiac Fibrosis, from Lineage Tracing to Therapeutic Application Gianluigi Pironti, Claudio de Lucia, Markus Wallner, Domenico Corradi, 2021-03-01

Textbook of Personalized Medicine Kewal K. Jain, 2020-12-05 This book is for personalized medicine as a prescription of specific treatments and therapeutics best suited for an individual and considers genetic as well as environmental factors that influence responses to therapy Best approaches are described for integration of all available technologies for optimizing the therapy of individual patients This comprehensive third edition covers the latest advances in personalized medicine and several chapters are devoted to various specialties particularly cancer which is the largest area of application The book discusses the development of personalized medicine and various players in it such as companies academic institutions the government and the public as the consumer of healthcare Additionally the roles of bioinformatics electronic health records and digital technologies for personalized medicine are discussed Textbook of Personalized Medicine 3rd Edition serves as a convenient source of information for students at many levels and in a wide range of fields including physicians scientists and decision makers in the biopharmaceutical and healthcare industries

Advanced Therapies for Cardiac Regeneration Valeria Chiono, Ipsita Roy, Monica Boffito, Irene Carmagnola, Susanna Sartori, 2021-04-13 The Research Topic is organized in the framework of the project BIORECAR grant number 772168 <http://www.biorecar.polito.it/index.html>

School of Bio and Chemical Engineering : Protein Engineering and Bioinformatics Mr. Rohit Manglik, 2024-04-29 EduGorilla Publication is a trusted name in the education sector committed to empowering learners with high quality study materials and resources Specializing in competitive exams and academic support EduGorilla provides comprehensive and well structured content tailored to meet the needs of students across various streams and levels

Biotechnology and Biopharmaceuticals, 2013-12-16 Biotechnology and Biopharmaceuticals Transforming Proteins and Genes into Drugs Second Edition addresses the pivotal issues relating to translational science including preclinical and clinical drug development regulatory science pharmaco economics and cost effectiveness considerations The new edition also provides an update on new proteins and genetic medicines the translational and integrated sciences that continue to fuel the innovations in medicine as well as the new areas of therapeutic development including cancer vaccines stem cell therapeutics and cell based therapies

Comprehensive Biotechnology, 2019-07-17 Comprehensive Biotechnology Third Edition Six Volume Set unifies in a single source a huge amount of information in this growing field The book covers scientific fundamentals along with engineering considerations and applications in industry agriculture medicine the environment and socio economics including the related government regulatory overviews This new edition builds on the solid basis provided by previous editions incorporating all recent advances in the field since the second edition was published in 2011 Offers researchers a one stop shop for information on the subject of biotechnology Provides in

depth treatment of relevant topics from recognized authorities including the contributions of a Nobel laureate Presents the perspective of researchers in different fields such as biochemistry agriculture engineering biomedicine and environmental science

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