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Principles, Delivery and Pharmacological and Biomedical Applications of Nucleotide-Based Therapies



# **Textbook Of Gene Therapy**

Dr. Chandrawati Jee Shagufta,Chandrawati Jee

# **Textbook Of Gene Therapy:**

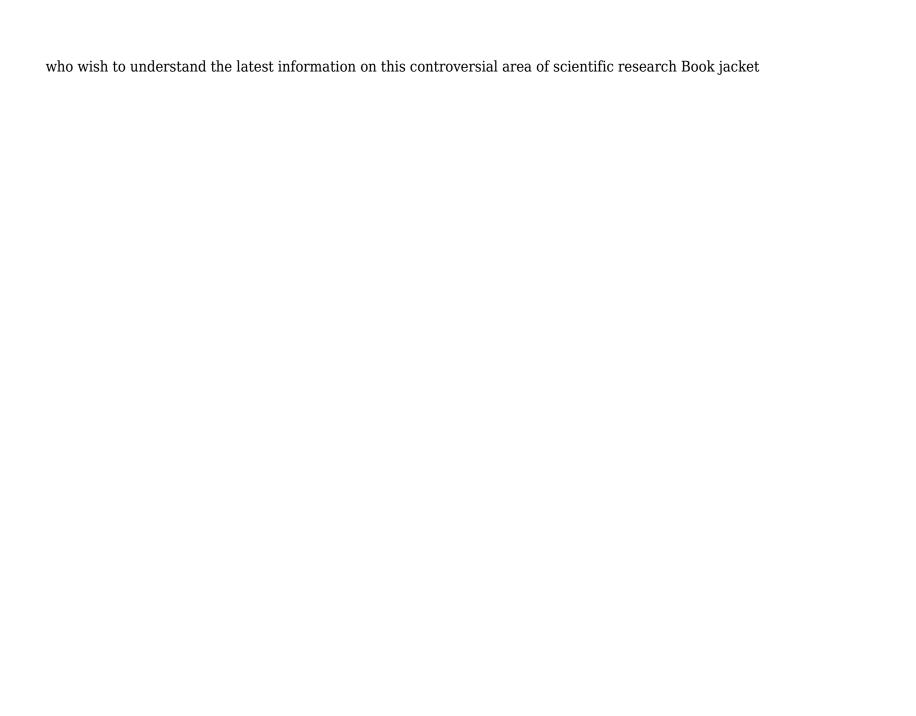
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addition An Introduction to Molecular Medicine and Gene Therapy Covers new frontiers in gene therapy animal models vectors gene targeting and ethical legal considerations Provides organ based reviews of current studies in gene therapy for monogenetic multifactoral or polygenic disorders and infectious diseases Includes bold faced terms key concepts summaries and lists of helpful references by subject in each chapter Contains appendices on commercial implications and a review of the history of gene therapy This textbook offers a clear concise writing style drawing upon the expertise of the authors all renowned researchers in their respective specialties of molecular medicine Researchers in genetics and molecular medicine will all find An Introduction to Molecular Medicine and Gene Therapy to be an essential guide to the rapidly evolving field of gene therapy and its applications in molecular medicine A Guide to Human Gene Therapy Roland W. Herzog, Sergei Zolotukhin, 2010 1 Non viral gene therapy Sean M Sullivan 2 Adenoviral vectors Stuart A Nicklin and Andrew H Baker 3 Retroviral vectors and integration analysis Cynthia C Bartholomae und weitere 4 Lentiviral vectors Janka Matrai Marinee K L Chuah and Thierry VandenDriessche 5 Herpes simplex virus vectors William F Goins und weitere 6 Adeno Associated Viral AAV vectors Nicholas Muzyczka 7 Regulatory RNA in gene therapy Alfred S Lewin 8 DNA integrating vectors Transposon Integrase Lauren E Woodard and Michele P Calos 9 Homologous recombination and targeted gene modification for gene therapy Matthew Porteus 10 Gene switches for pre clinical studies in gene therapy Caroline Le Guiner und weitere 11 Gene therapy for central nervous system disorders Deborah Young and Patricia A Lawlor 12 Gene therapy of hemoglobinopathies Angela E Rivers and Arun Srivastava 13 Gene therapy for primary immunodeficiencies Aisha Sauer Barbara Cassani and Alessandro Aiuti 14 Gene therapy for hemophilia David Markusic Babak Moghimi and Roland Herzog 15 Gene therapy for obesity and diabetes Sergei Zolotukhin and Clive H Wasserfall 16 Gene therapy for Duchenne muscular dystrophy Takashi Okada and Shin ichi Takeda 17 Cancer gene therapy Kirsten A K Weigel Van Aken 18 Gene therapy for autoimmune disorders Daniel F Gaddy Melanie A Ruffner and Paul D Robbins 19 Gene therapy for inherited metabolic storage diseases Cathryn Mah 20 Retinal diseases Shannon E Boye Sanford L Boye and William W Hauswirth 21 A brief guide to gene therapy treatments for pulmonary diseases Ashley T Martino Christian Mueller and Terence R Flotte 22 Cardiovascular disease Darin I Falk Cathryn S Mah and Barry I Byrne **The Forever Fix** Ricki Lewis, 2012-03-13 Lewis pens the first book to tell the fascinating story of gene therapy how it works the science behind it how patients mostly children have been helped and harmed and how scientists learned from each trial to get one step closer to the promise of a cure **Gene Therapy** Linda George, 2003 Discusses the history of genetic research that led to development of gene therapy and possibilities for future Gene Therapy Evelyn B. Kelly, 2007-07-30 Every day newspapers and television news programs present stories on uses the latest controversies over healthcare and medical advances but they do not have the space to provide detailed background on the issues Websites and weblogs provide information from activists and partisans intent on presenting their side of a story But where can students or even ordinary citizens go to obtain unbiased detailed background on the medical issues affecting

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