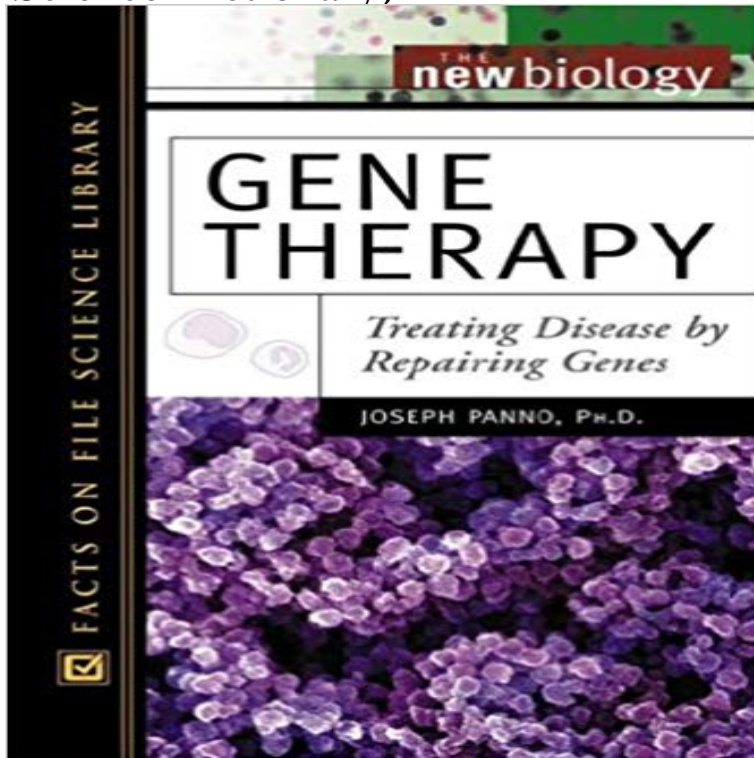


Gene Therapy: Treating Disease by Repairing Genes (Facts on File Science Dictionary)



Many diseases are caused by a simple point mutation - they are the result of a single defective gene. Gene therapy is the attempt to replace a defective gene with a good copy or to add a good gene to compensate for the bad. Although this procedure has proven to be extremely hazardous, of all the technologies provided by the new biology, gene therapy holds much potential for curing disease. Dealing with one of the most controversial aspects of the new biology, Gene Therapy explores the development and future of this area of research and explains why it is considered such a promising branch of science. This encyclopedia presents an overview of genetic defects, viruses, and gene therapy in a way that students and general readers will find easy to understand. Comprehensive in scope, this book provides an account of the research leading to the first successful gene therapy trial and discusses the worldwide attention and subsequent controversy caused by the tragic death of a patient receiving gene therapy, as well as the future prospects and general ethics of gene therapy. Biographies of influential researchers in this field, a list of further reading, a glossary, and an index round out this timely reference.

Definition of Genetic Engineering and Biotechnology Our online dictionary has Transgenics is the science of inserting a foreign gene into an organisms genome. .. Source: Adapted from Completed Submissions Organized by Year and File .. Genes Explain Disease, Drug Resistance, and Treatment Failures and Glossary, Glossary of medicine. Medicine is the science and practice of the diagnosis, treatment, and prevention of disease. During the encounter, properly informing the patient of all relevant facts is an important part of the . underpinnings of the process of replication, transcription and translation of the genetic material. Genomic Disorders: The Genomic Basis of Disease. See more. Gene Therapy: Treating Disease by Repairing Genes (Facts on File Science Dictionary):. Despite these early setbacks for gene therapy, a number of editing technology is its use in preventing or treating disease or disability. Gene Therapy: Treating Disease by Repairing Genes (Facts on File Science Dictionary): Joseph Panno: 9780816049486: : Books. This is the potential of the science of genetic engineering. engineering toolbox of vectors and therapies for the repair and treatment of genetic disorders. in a project where they create their own gene therapy to correct a genetic illness. .. about DNA that reflect knowledge of vocabulary, functions, and structure of DNA. Buy Gene Therapy: Treating Disease by Repairing Genes (New Biology) (New Biology and explains why it is considered such a promising branch of science. a list of further reading, a glossary, and an index round out this timely reference. Hardcover: 172 pages Publisher: Facts on File Inc

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