Record Nr. UNINA9910830207903321 An introduction to molecular medicine and gene therapy [[electronic **Titolo** resource] /] / edited by Thomas F. Kresina Pubbl/distr/stampa New York, : Wiley-Liss, c2001 **ISBN** 1-280-36660-5 9786610366606 0-470-23184-X 0-471-46104-0 0-471-22387-5 1 online resource (408 p.) Descrizione fisica Altri autori (Persone) KresinaThomas F. <1954-> 616 Disciplina 616.042 Soggetti Gene therapy Cellular therapy Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto AN INTRODUCTION TO MOLECULAR MEDICINE AND GENE THERAPY: CONTENTS; Preface; Contributors; Chapter 1 Molecular Medicine and Gene Therapy: An Introduction; Introduction; Genetic Manifestations of Molecular Medicine: Gene Therapy and Patterns of Gene Expression: Gene Therapy and Molecular Medicine; Gene Therapy: Current Basic Science Issues; Human Gene Therapy: Current Status and Basic Science Research Needs; Gene Therapies: Next Horizon; Key Concepts; Suggested Readings; Chapter 2 Nuclear Transplantation and New Frontiers in Genetic Molecular Medicine; Background; Introduction Nuclear Transplantation: A Tool in Developmental BiologyTechnical Developments in Nuclear Transplantation; Defining the Limits of Nuclear Reprogramming in Mammals; Toward an Understanding of the Mechanisms of Genetic Reprogramming; Application of Genetic Reprogramming; Human Embroyonic Stem Cell Research: An Ethics Note; Summary; Key Concepts; Suggested Readings; Chapter 3 Builing a

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Gene Therapy for the Heart

## Sommario/riassunto

Gene therapy, or the use of genetic manipulation for disease treatment, is derived from advances in genetics, molecular biology, clinical medicine, and human genomics. Molecular medicine, the application of molecular biological techniques to disease treatment and diagnosis, is derived from the development of human organ transplantation, pharmacotherapy, and elucidation of the human genome. An Introduction to Molecular Medicine and Gene Therapy provides a basis for interpreting new clinical and basic research findings in the areas of cloning, gene transfer, and targeting; the appl