Record Nr. UNINA9910787590903321 Gene therapy: technologies & applications / / editors, Ryuichi **Titolo** Morishita, Hironori Nakagami Pubbl/distr/stampa London, England:,: Future Medicine Ltd.,, [2012] ©2012 **ISBN** 1-78084-213-9 Edizione [1st ed.] 1 online resource (113 p.) Descrizione fisica 616.042 Disciplina Soggetti Gene therapy Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di contenuto Title page -- Copyright page -- Contents -- Foreword. Gene therapy: technologies and applications -- 1. General principles and approaches of gene therapy -- 2. Immunogene therapy -- 3. Chemical vectors for gene delivery -- 4. Plasmid DNA-based gene therapy in neurological disorders -- 5. Applications: X-linked severe combined immunodeficiency and other hereditary diseases -- 6. Gene therapy: applications for cancer treatment -- 7. Human gene therapy in cardiovascular diseases -- 8. Future directions for gene therapy --Index. This book by renowned experts addresses recent progress in the field Sommario/riassunto of gene therapy. In the first part of the book, basic technologies of gene therapy and the role of immunogene therapy, including vaccination, are addressed. In the second part, the therapeutic applications in specific clinical fields are described; namely, neurology, hereditary diseases, cancers and cardiovascular diseases. Finally, future directions of gene therapy technology and applications are reviewed toward the goal of successful human gene therapy.