Record Nr. UNINA9910463166603321 Autore Morishita Ryuichi Titolo Gene Therapy [[electronic resource]]: Technologies and Applications London, : Future Medicine Ltd, 2013 Pubbl/distr/stampa **ISBN** 1-78084-213-9 Edizione [1st ed.] Descrizione fisica 1 online resource (113 p.) Altri autori (Persone) NakagamiHironori Soggetti Electronic books. 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. Sommario/riassunto This book by renowned experts addresses recent progress in the field 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.