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Nota di contenuto	Gene Therapies for Hepatitis C Virus -- Recent Advances in Use of Gene Therapy to Treat Hepatitis B Virus Infection -- U1interference (U1i) for antiviral approaches -- Gene therapy strategies to block HIV-1 replication by RNA interference -- HIV and Ribozymes -- Editing CCR5: a novel approach to HIV gene therapy -- Synthetic DNA approach to Cytomegalovirus vaccine/immune therapy -- Vector-mediated antibody gene transfer for infectious diseases -- HIV latency and the non-coding RNA therapeutic landscape -- C peptides as entry inhibitors for gene therapy -- Aptamer-siRNA chimeras for HIV .
Sommario/riassunto	This volume examines gene therapy and gene transfer approaches to preventing or treating chronic virus infections, focusing on the Big Three viral pathogens- HIV, hepatitis B virus (HBV), and hepatitis C virus (HCV). It explores molecular antiviral strategies, including RNA interference, aptamer-siRNA chimeras, U1i interference, editing CCR5, alternative genetic vaccination by intramuscular gene transfers of virus vectors, and HIV latency in the context of non-coding RNA. This title is a volume of the American Society of Gene and Cell Therapy, a sub-series of the highly successful Advances in Experimental Medicine and Biology. In eleven illustrated chapters, leading international researchers

contextualize the structure, operation, and impact of pathogens; examine the existing genetic and molecular research; and extract possible methods of preventing and treating chronic viral infections while evaluating the current body of knowledge. Authoritative and multifaceted, Gene Therapy for HIV and Chronic Infections is an ideal guide for researchers in the fields of gene therapy and immunology interested in expanding their knowledge on how to design an effective gene therapy against a viral pathogen.