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Titolo	HIV Vaccines and Cure : The Path Towards Finding an Effective Cure and Vaccine // edited by Linqi Zhang, Sharon R. Lewin
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ISBN	981-13-0484-X
Descrizione fisica	1 online resource (XV, 318 p. 21 illus., 16 illus. in color.)
Collana	Advances in Experimental Medicine and Biology, , 0065-2598 ; ; 1075
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Soggetti	Medical virology Vaccines Immunology Laboratory animals Virology Vaccine Animal Models
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Livello bibliografico	Monografia
Nota di contenuto	HIV Vaccine Efficacy Trials: RV144 and beyond -- HIV T-cell vaccines -- HIV broadly neutralizing antibodies: VRC01 and beyond -- Structural features of broadly neutralizing antibodies and rational design of vaccine -- Monkey models and HIV vaccine research -- Treatment of HIV for the Prevention of Transmission in Discordant Couples and at the Population Level -- HIV persistence on antiretroviral therapy and barriers to a cure -- The molecular biology of HIV latency -- Cellular determinants of HIV persistence on antiretroviral therapy -- In Vitro and In Vivo Models of HIV Latency -- Measuring HIV persistence on antiretroviral therapy -- Clinical interventions in HIV cure research.
Sommario/riassunto	This book provides a comprehensive review of the major barriers to HIV cure and vaccine. It covers the fundamental virology and immunology leading to HIV transmission, protection from infection and long term HIV persistence on antiretroviral therapy. In addition, strategies being tested to eliminate persistent HIV and the rational design of vaccines to induce protective immunity are covered. This book also discusses the challenges related to the design of clinical trials for testing the safety

and efficacy of these innovative approaches. This book will provide a systematic overview and also discuss controversial issues for researchers in virology and immunology, as well as practicing physicians, and scientists in the pharmaceutical industry.
