
Contents

<i>Preface</i>	<i>iii</i>
<i>Contributors</i>	<i>ix</i>
1. AIDS Vaccines: Challenges and Opportunities <i>Gary J. Nabel</i>	1
2. Immunopathogenesis of HIV Infection <i>Oren J. Cohen and Anthony S. Fauci</i>	11
3. The Genetic Diversity of HIV-1 and Its Implications for Vaccine Development <i>Vladimir V. Lukashov, Jaap Goudsmit, and William A. Paxton</i>	93
4. The Role of Cytotoxic T Lymphocytes in Protection Against HIV Infection and AIDS <i>Tomáš Hanke and Andrew J. McMichael</i>	121
5. Immune Reconstitution in HIV Infection <i>Guislaine Carcelain, Lucile Mollet, and Brigitte Autran</i>	153
6. Design of Engineered Vaccines for HIV <i>Jay A. Berzofsky, Jeffrey D. Ahlers, and Igor M. Belyakov</i>	173
7. DNA Vaccines for Immunodeficiency Viruses <i>Harriet L. Robinson</i>	207

8. Replication-Deficient, Pseudotyped HIV-1 Vectors as HIV Vaccines	227
<i>June Kan-Mitchell and Flossie Wong-Staal</i>	
9. Development of Mucosal DNA Vaccines Against HIV-1 Using Live Attenuated <i>Salmonella typhi</i> as a Vaccine-Delivery System	239
<i>George K. Lewis, M. Tarek Shata, and David M. Hone</i>	
10. Innate Immunity in HIV Infection	261
<i>Thomas Lehner</i>	
11. The Role for Nonhuman Primate Models in the Development and Testing of AIDS Vaccines	287
<i>C. David Pauza and Marianne Wallace</i>	
12. International Perspectives on HIV Vaccine Development	311
<i>Seth Berkley</i>	
Index	327