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AIDS 10 Alveolar Macrophages; 11 Dendritic Cells Ferry HIV-1 from Periphery into Lymphoid Tissues; Part III PROCESSES; 12 Homeostasis and Restoration of the Immune System in HAART-Treated HIV-Infected Patients: Implications of Apoptosis; 13 Mitochondria Functionality During HIV Infection; 14 Multiple Roles of Cytokines in HIV Infection, Replication, and Therapy; Part IV TECHNOLOGIES; 15 The Use of Peptide/MHC Tetramers to Visualize, Track, and Characterize Class I-Restricted Anti-HIV T-Cell Response
16 Tagging of HIV with Green Fluorescent Protein 17 Flow Cytometric Analysis of Cells from Persons with HIV-1 Disease by Enzymatic Amplification Staining; 18 Antigen-Specific Cytokine Responses in HIV Disease; Part V ORGANISMS; 19 Chimeric Models of SCID Mice Transplanted with Human Cells: The Hu-PBL-SCID Mouse and Its Use in AIDS Research; 20 Immune Reconstitution of the CD4 T-Cell Compartment in HIV Infection; 21 New Perspectives in Antiretroviral Therapy of HIV Infection; Index

Sommario/riassunto

Cellular Aspects of HIV Infection provides a highly readable, detailed overview of the state of the art in modern HIV research at the cellular level. This volume brings together renowned experts who have provided concise, synthetic treatments of the biology of HIV infection. It presents these descriptions and analyses with particular attention to the techniques of flow cytometry that have allowed us to not only observe the course of HIV infection and the immune system's response to it, but have also increased our ability to treat patients and understand their response to therapy. The bo
