

# Single-cell TCR sequencing reveals phenotypically diverse HIV proviruses harboring inducible HIV proviruses during ART

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Role of CD4+ T Cells in the Control of Viral Infections: Recent Advances and Open Questions. International Journal of Molecular Sciences, 2021, 22, 523.	1.8	28
3	Synchronous control of magnetic particles and magnetized cells in a tri-axial magnetic field. Lab on A Chip, 2021, 21, 1998-2007.	3.1	16
5	Antigen-driven clonal selection shapes the persistence of HIV-1-infected CD4+ T cells in vivo. Journal of Clinical Investigation, 2021, 131, .	3.9	103
6	HIV-1 integration sites in CD4+ T-cells during primary, chronic, and late presentation of HIV-1 infection. JCI Insight, 2021, 6, .	2.3	7
7	Flower power: Locking HIV in the gut with French lilac. EBioMedicine, 2021, 66, 103299.	2.7	1
9	Cellular Activation, Differentiation, and Proliferation Influence the Dynamics of Genetically Intact Proviruses Over Time. Journal of Infectious Diseases, 2022, 225, 1168-1178.	1.9	9
10	Assessing proviral competence: current approaches to evaluate HIV-1 persistence. Current Opinion in HIV and AIDS, 2021, 16, 223-231.	1.5	6
11	RALDH Activity Induced by Bacterial/Fungal Pathogens in CD16+ Monocyte-Derived Dendritic Cells Boosts HIV Infection and Outgrowth in CD4+ T Cells. Journal of Immunology, 2021, 206, 2638-2651.	0.4	7
12	Long-term effects of early antiretroviral initiation on HIV reservoir markers: a longitudinal analysis of the MERLIN clinical study. Lancet Microbe, The, 2021, 2, e198-e209.	3.4	24
13	Strategies for Targeting Retroviral Integration for Safer Gene Therapy: Advances and Challenges. Frontiers in Molecular Biosciences, 2021, 8, 662331.	1.6	16
14	The active human immunodeficiency virus reservoir during antiretroviral therapy: emerging players in viral persistence. Current Opinion in HIV and AIDS, 2021, 16, 193-199.	1.5	10
15	Microfluidic Synthesis, Control, and Sensing of Magnetic Nanoparticles: A Review. Micromachines, 2021, 12, 768.	1.4	46
16	In-depth single-cell analysis of translation-competent HIV-1 reservoirs identifies cellular sources of plasma viremia. Nature Communications, 2021, 12, 3727.	5.8	43
17	rigrag: high-resolution mapping of genic targeting preferences during HIV-1 integration <i>in vitro</i> and <i>in vivo</i> . Nucleic Acids Research, 2021, 49, 7330-7346.	6.5	15
18	Plasticity of the Immune System in Children Following Treatment Interruption in HIV-1 Infection. Frontiers in Immunology, 2021, 12, 643189.	2.2	3
19	Expansion of Unique Hepatitis C Virus-Specific Public CD8+ T Cell Clonotypes during Acute Infection and Reinfection. Journal of Immunology, 2021, 207, 1180-1193.	0.4	2
20	Combined single-cell transcriptional, translational, and genomic profiling reveals HIV-1 reservoir diversity. Cell Reports, 2021, 36, 109643.	2.9	34
21	A Tale of Two Viruses: Immunological Insights Into HCV/HIV Coinfection. Frontiers in Immunology, 2021, 12, 726419.	2.2	28

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22	Chemistry and Bioinformatics Considerations in Using Next-Generation Sequencing Technologies to Inferring HIV Proviral DNA Genome-Intactness. <i>Viruses</i> , 2021, 13, 1874.	1.5	5
23	Relationship between CD4 T cell turnover, cellular differentiation and HIV persistence during ART. <i>PLoS Pathogens</i> , 2021, 17, e1009214.	2.1	25
24	The single-cell landscape of immunological responses of CD4+ T cells in HIV versus severe acute respiratory syndrome coronavirus 2. <i>Current Opinion in HIV and AIDS</i> , 2021, 16, 36-47.	1.5	6
26	Integration features of intact latent HIV-1 in CD4+ T cell clones contribute to viral persistence. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	32
27	Pharmacologic control of homeostatic and antigen-driven proliferation to target HIV-1 persistence. <i>Biochemical Pharmacology</i> , 2021, 194, 114816.	2.0	2
28	Single-cell sequencing unveils distinct immune microenvironments with CCR6-CCL20 crosstalk in human chronic pancreatitis. <i>Gut</i> , 2022, 71, 1831-1842.	6.1	17
30	In Vivo Dynamics of the Latent Reservoir for HIV-1: New Insights and Implications for Cure. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2022, 17, 271-294.	9.6	37
31	Infectious Agents and Bone Marrow Failure: A Causal or a Casual Connection?. <i>Frontiers in Medicine</i> , 2021, 8, 757730.	1.2	6
32	Delayed antiretroviral therapy in HIV-infected individuals leads to irreversible depletion of skin- and mucosa-resident memory T cells. <i>Immunity</i> , 2021, 54, 2842-2858.e5.	6.6	22
33	Emerging Single-cell Approaches to Understand HIV in the Central Nervous System. <i>Current HIV/AIDS Reports</i> , 2021, , 1.	1.1	5
34	Immortalization and functional screening of natively paired human T cell receptor repertoires. <i>Protein Engineering, Design and Selection</i> , 2022, 35, .	1.0	2
35	Identification of HIV-Reservoir Cells With Reduced Susceptibility to Antibody-Dependent Immune Response. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
36	Host T Cell Dedifferentiation Effects Drive HIV-1 Latency Stability. <i>Journal of Virology</i> , 2022, 96, jvi0197421.	1.5	2
37	Higher Cerebrospinal Fluid Soluble Urokinase-type Plasminogen Activator Receptor, But Not Interferon $\beta$ -inducible Protein 10, Correlate With Higher Working Memory Deficits. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2022, 90, 106-114.	0.9	3
38	The HIV-1 proviral landscape reveals that Nef contributes to HIV-1 persistence in effector memory CD4+ T cells. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	52
40	Single-cell multiomics reveals persistence of HIV-1 in expanded cytotoxic T cell clones. <i>Immunity</i> , 2022, 55, 1013-1031.e7.	6.6	61
42	Hide and seek: for HIV-infected CD4+ T cells, playing well comes with maturity. <i>Journal of Clinical Investigation</i> , 2022, 132, 1-4.	3.9	0
43	High-throughput precise particle transport at single-particle resolution in a three-dimensional magnetic field for highly sensitive bio-detection. <i>Scientific Reports</i> , 2022, 12, 6380.	1.6	9

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44	Heterogeneity of Latency Establishment in the Different Human CD4 <sup>+</sup> T Cell Subsets Stimulated with IL-15. <i>Journal of Virology</i> , 2022, 96, e0037922.	1.5	2
45	Serial Analysis of the T-Cell Receptor $\beta$ -Chain Repertoire in People Living With HIV Reveals Incomplete Recovery After Long-Term Antiretroviral Therapy. <i>Frontiers in Immunology</i> , 2022, 13, 879190.	2.2	5
48	Identification of HIV-reservoir cells with reduced susceptibility to antibody-dependent immune response. <i>ELife</i> , 0, 11, .	2.8	10
49	Genotypic and Phenotypic Diversity of the Replication-Competent HIV Reservoir in Treated Patients. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	6
50	The importance of taking ART appropriately in children and adolescents with HIV-1 to reach the highest capacity of immune function later in life. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	1
51	T-Cell Receptor Repertoire Sequencing and Its Applications: Focus on Infectious Diseases and Cancer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8590.	1.8	12
53	Distinct gene expression by expanded clones of quiescent memory CD4 <sup>+</sup> T <sub>H</sub> cells harboring intact latent HIV-1 proviruses. <i>Cell Reports</i> , 2022, 40, 111311.	2.9	18
54	Droplet Microfluidics Enables Tracing of Target Cells at the Single-Cell Transcriptome Resolution. <i>Bioengineering</i> , 2022, 9, 674.	1.6	2
55	The effect of induction immunosuppression for kidney transplant on the latent HIV reservoir. <i>JCI Insight</i> , 2022, 7, .	2.3	4
56	Stable HIV Reservoir Despite Prolonged Low-Dose Mycophenolate to Limit CD4 <sup>+</sup> T-cell Proliferation. <i>Open Forum Infectious Diseases</i> , 2022, 9, .	0.4	4
57	Substantial uneven proliferation of CD4 <sup>+</sup> T cells during recovery from acute HIV infection is sufficient to explain the observed expanded clones in the HIV reservoir. <i>Journal of Virus Eradication</i> , 2022, 8, 100091.	0.3	2
58	Clonally expanded HIV-1 proviruses with 5' leader defects can give rise to nonsuppressible residual viremia. <i>Journal of Clinical Investigation</i> , 2023, 133, .	3.9	31
59	Unequal distribution of genetically-intact HIV-1 proviruses in cells expressing the immune checkpoint markers PD-1 and/or CTLA-4. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	5
60	Phenotypic characterization of single CD4 <sup>+</sup> T cells harboring genetically intact and inducible HIV genomes. <i>Nature Communications</i> , 2023, 14, .	5.8	17
61	HIV rapidly targets a diverse pool of CD4 <sup>+</sup> T cells to establish productive and latent infections. <i>Immunity</i> , 2023, 56, 653-668.e5.	6.6	29