

# Lyle R Mckinnon

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5820837/publications.pdf>

Version: 2024-02-01

102  
papers

4,159  
citations

126907

33  
h-index

128289

60  
g-index

108  
all docs

108  
docs citations

108  
times ranked

4954  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vaginal bacteria modify HIV tenofovir microbicide efficacy in African women. <i>Science</i> , 2017, 356, 938-945.	12.6	348
2	The integrin $\alpha 4 \beta 7$ forms a complex with cell-surface CD4 and defines a T-cell subset that is highly susceptible to infection by HIV-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20877-20882.	7.1	258
3	Increased levels of inflammatory cytokines in the female reproductive tract are associated with altered expression of proteases, mucosal barrier proteins, and an influx of HIV-susceptible target cells. <i>Mucosal Immunology</i> , 2016, 9, 194-205.	6.0	205
4	Sustained virologic control in SIV <sup>+</sup> macaques after antiretroviral and $\alpha 4 \beta 7$ antibody therapy. <i>Science</i> , 2016, 354, 197-202.	12.6	194
5	Microbial translocation and microbiome dysbiosis in HIV-associated immune activation. <i>Current Opinion in HIV and AIDS</i> , 2016, 11, 182-190.	3.8	191
6	The Evolving Facets of Bacterial Vaginosis: Implications for HIV Transmission. <i>AIDS Research and Human Retroviruses</i> , 2019, 35, 219-228.	1.1	188
7	Defining genital tract cytokine signatures of sexually transmitted infections and bacterial vaginosis in women at high risk of HIV infection: a cross-sectional study. <i>Sexually Transmitted Infections</i> , 2014, 90, 580-587.	1.9	173
8	Characterization of a Human Cervical CD4+ T Cell Subset Coexpressing Multiple Markers of HIV Susceptibility. <i>Journal of Immunology</i> , 2011, 187, 6032-6042.	0.8	160
9	Toll-like receptor expression and responsiveness are increased in viraemic HIV-1 infection. <i>Aids</i> , 2008, 22, 685-694.	2.2	135
10	Genital inflammation undermines the effectiveness of tenofovir gel in preventing HIV acquisition in women. <i>Nature Medicine</i> , 2018, 24, 491-496.	30.7	123
11	Quality and quantity. <i>Current Opinion in HIV and AIDS</i> , 2012, 7, 195-202.	3.8	112
12	Microbiome Composition and Function Drives Wound-Healing Impairment in the Female Genital Tract. <i>PLoS Pathogens</i> , 2016, 12, e1005889.	4.7	109
13	Mucosal Th17 Cell Function Is Altered during HIV Infection and Is an Independent Predictor of Systemic Immune Activation. <i>Journal of Immunology</i> , 2013, 191, 2164-2173.	0.8	98
14	Integrin $\alpha 4 \beta 7$ expression on peripheral blood CD4 <sup>+</sup> T cells predicts HIV acquisition and disease progression outcomes. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	85
15	Optimizing Viable Leukocyte Sampling from the Female Genital Tract for Clinical Trials: An International Multi-Site Study. <i>PLoS ONE</i> , 2014, 9, e85675.	2.5	73
16	The effects of COVID-19 on the health and socio-economic security of sex workers in Nairobi, Kenya: Emerging intersections with HIV. <i>Global Public Health</i> , 2020, 15, 1073-1082.	2.0	66
17	Genital "Systemic Chemokine Gradients and the Risk of HIV Acquisition in Women. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2017, 74, 318-325.	2.1	64
18	High HIV risk in a cohort of male sex workers from Nairobi, Kenya. <i>Sexually Transmitted Infections</i> , 2014, 90, 237-242.	1.9	62

#	ARTICLE	IF	CITATIONS
19	HIV-1 RNA Dysregulates the Natural TLR Response to Subclinical Endotoxemia in Kenyan Female Sex-Workers. PLoS ONE, 2009, 4, e5644.	2.5	56
20	Genital immunology and HIV susceptibility in young women. American Journal of Reproductive Immunology, 2013, 69, 74-79.	1.2	52
21	Expansion of cytotoxic tissue-resident CD8+ T cells and CCR6+CD161+ CD4+ T cells in the nasal mucosa following mRNA COVID-19 vaccination. Nature Communications, 2022, 13, .	12.8	51
22	Biological Factors that May Contribute to Regional and Racial Disparities in HIV Prevalence. American Journal of Reproductive Immunology, 2011, 65, 317-324.	1.2	50
23	Inflammation and HIV Transmission in Sub-Saharan Africa. Current HIV/AIDS Reports, 2015, 12, 216-222.	3.1	50
24	Early HIV-1 Infection Is Associated With Reduced Frequencies of Cervical Th17 Cells. Journal of Acquired Immune Deficiency Syndromes (1999), 2015, 68, 6-12.	2.1	47
25	Cervical HIV-Specific IgA in a Population of Commercial Sex Workers Correlates with Repeated Exposure But Not Resistance to HIV. AIDS Research and Human Retroviruses, 2009, 25, 83-92.	1.1	46
26	Rapid Disease Progression in HIV-1 Subtype CRF01_AG-Infected South African Women. Clinical Infectious Diseases, 2014, 59, 1322-1331.	5.8	46
27	Detection of Tuberculosis Recurrence, Diagnosis and Treatment Response by a Blood Transcriptomic Risk Signature in HIV-Infected Persons on Antiretroviral Therapy. Frontiers in Microbiology, 2019, 10, 1441.	3.5	46
28	Relationship between female genital tract infections, mucosal interleukin-17 production and local T helper type 17 cells. Immunology, 2015, 146, 557-567.	4.4	45
29	Mechanisms of sexually transmitted infection-induced inflammation in women: implications for HIV risk. Journal of the International AIDS Society, 2019, 22, e25346.	3.0	45
30	Blunted IL17/IL22 and Pro-Inflammatory Cytokine Responses in the Genital Tract and Blood of HIV-Exposed, Seronegative Female Sex Workers in Kenya. PLoS ONE, 2012, 7, e43670.	2.5	44
31	The genital tract and rectal microbiomes: their role in HIV susceptibility and prevention in women. Journal of the International AIDS Society, 2019, 22, e25300.	3.0	43
32	Risk Factors for HIV Acquisition in a Prospective Nairobi-Based Female Sex Worker Cohort. AIDS and Behavior, 2015, 19, 2204-2213.	2.7	40
33	HPV infection and the genital cytokine milieu in women at high risk of HIV acquisition. Nature Communications, 2019, 10, 5227.	12.8	40
34	Lower concentrations of chemotactic cytokines and soluble innate factors in the lower female genital tract associated with the use of injectable hormonal contraceptive. Journal of Reproductive Immunology, 2015, 110, 14-21.	1.9	38
35	Factors Driving the HIV Epidemic in Southern Africa. Current HIV/AIDS Reports, 2016, 13, 158-169.	3.1	38
36	PrEP for key populations in combination HIV prevention in Nairobi: a mathematical modelling study. Lancet HIV, 2017, 4, e214-e222.	4.7	37

#	ARTICLE	IF	CITATIONS
37	Population prevalence of sexually transmitted infections in a high HIV burden district in KwaZulu-Natal, South Africa: Implications for HIV epidemic control. <i>International Journal of Infectious Diseases</i> , 2020, 98, 130-137.	3.3	34
38	Strengthening HIV surveillance in the antiretroviral therapy era: rationale and design of a longitudinal study to monitor HIV prevalence and incidence in the uMgungundlovu District, KwaZulu-Natal, South Africa. <i>BMC Public Health</i> , 2015, 15, 1149.	2.9	33
39	Effect of Baseline HIV Disease Parameters on CD4+ T Cell Recovery After Antiretroviral Therapy Initiation in Kenyan Women. <i>PLoS ONE</i> , 2010, 5, e11434.	2.5	28
40	Cross-Clade CD8+ T-Cell Responses With a Preference for the Predominant Circulating Clade. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2005, 40, 245-249.	2.1	27
41	Enumeration of Sex Workers in the Central Business District of Nairobi, Kenya. <i>PLoS ONE</i> , 2013, 8, e54354.	2.5	24
42	Plasma Cytokine Predictors of Tuberculosis Recurrence in Antiretroviral-Treated Human Immunodeficiency Virus-infected Individuals from Durban, South Africa. <i>Clinical Infectious Diseases</i> , 2017, 65, 819-826.	5.8	23
43	The Rise and Fall of HIV in High-Prevalence Countries: A Challenge for Mathematical Modeling. <i>PLoS Computational Biology</i> , 2014, 10, e1003459.	3.2	22
44	Mycobacterium tuberculosis strains induce strain-specific cytokine and chemokine response in pulmonary epithelial cells. <i>Cytokine</i> , 2018, 104, 53-64.	3.2	21
45	Role of Semen in Altering the Balance Between Inflammation and Tolerance in the Female Genital Tract: Does it Contribute to HIV Risk?. <i>Viral Immunology</i> , 2014, 27, 200-206.	1.3	20
46	HIV Postexposure Prophylaxis in an Urban Population of Female Sex Workers in Nairobi, Kenya. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2013, 62, 220-225.	2.1	19
47	Vaginal microbiome-hormonal contraceptive interactions associate with the mucosal proteome and HIV acquisition. <i>PLoS Pathogens</i> , 2020, 16, e1009097.	4.7	18
48	CD26/dipeptidyl peptidase IV (CD26/DPPIV) is highly expressed in peripheral blood of HIV-1 exposed uninfected Female sex workers. <i>Virology Journal</i> , 2010, 7, 343.	3.4	17
49	HIV-specific CD8 <sup>+</sup> T cell proliferation is prospectively associated with delayed disease progression. <i>Immunology and Cell Biology</i> , 2012, 90, 346-351.	2.3	17
50	Characterization of occult hepatitis B in high-risk populations in Kenya. <i>PLoS ONE</i> , 2020, 15, e0233727.	2.5	17
51	Interleukin 1-Beta (IL-1 $\beta$ ) Production by Innate Cells Following TLR Stimulation Correlates With TB Recurrence in ART-Treated HIV-Infected Patients. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2017, 74, 213-220.	2.1	16
52	Evaluation of a Quantitative Real-Time PCR Assay to Measure HIV-Specific Mucosal CD8+ T Cell Responses in the Cervix. <i>PLoS ONE</i> , 2010, 5, e13077.	2.5	16
53	Clade-Specific Evolution Mediated by HLA-B*57/5801 in Human Immunodeficiency Virus Type 1 Clade A1 p24. <i>Journal of Virology</i> , 2009, 83, 12636-12642.	3.4	15
54	Plasma concentration of injectable contraceptive correlates with reduced cervicovaginal growth factor expression in South African women. <i>Mucosal Immunology</i> , 2020, 13, 449-459.	6.0	15

#	ARTICLE	IF	CITATIONS
55	Declines in HIV prevalence in female sex workers accessing an HIV treatment and prevention programme in Nairobi, Kenya over a 10-year period. <i>Aids</i> , 2021, 35, 317-324.	2.2	15
56	Epitope Mapping of HIV-Specific CD8 <sup>+</sup> T Cell Responses by Multiple Immunological Readouts Reveals Distinct Specificities Defined by Function. <i>Journal of Virology</i> , 2011, 85, 1275-1286.	3.4	14
57	Preferential Infection of CD4 <sup>+</sup> Memory CD4 <sup>+</sup> T Cells During Early Acute Human Immunodeficiency Virus Type 1 Infection. <i>Clinical Infectious Diseases</i> , 2020, 71, e735-e743.	5.8	14
58	Sexual health among Kenyan male sex workers in a time of COVID-19. <i>Health Education Journal</i> , 2021, 80, 119-127.	1.2	13
59	A Systematic Review of Randomized Controlled Trials of School Based Interventions on Sexual Risk Behaviors and Sexually Transmitted Infections Among Young Adolescents in Sub-Saharan Africa. <i>AIDS and Behavior</i> , 2021, 25, 3669-3686.	2.7	13
60	Epitope Cross-Reactivity Frequently Differs between Central and Effector Memory HIV-Specific CD8 <sup>+</sup> T Cells. <i>Journal of Immunology</i> , 2007, 178, 3750-3756.	0.8	12
61	Mx2 expression is associated with reduced susceptibility to HIV infection in highly exposed HIV seronegative Kenyan sex workers. <i>Aids</i> , 2015, 29, 35-41.	2.2	12
62	HPV and the Risk of HIV Acquisition in Women. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 814948.	3.9	11
63	HIV vaccine efficacy trials: A brief history, and options for going forward. <i>AIDS Reviews</i> , 2010, 12, 209-17.	1.0	11
64	Diminished HIV Infection of Target CD4 <sup>+</sup> T Cells in a Toll-Like Receptor 4 Stimulated in vitro Model. <i>Frontiers in Immunology</i> , 2019, 10, 1705.	4.8	10
65	Sex Work Is Associated With Increased Vaginal Microbiome Diversity in Young Women From Mombasa, Kenya. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2020, 85, 79-87.	2.1	10
66	Socioeconomic Burdens of the COVID-19 Pandemic on LMIC Populations with Increased HIV Vulnerabilities. <i>Current HIV/AIDS Reports</i> , 2022, 19, 76-85.	3.1	10
67	Descriptive Epidemiology of Factors Associated with HIV Infections Among Men and Transgender Women Who Have Sex with Men in South India. <i>LGBT Health</i> , 2016, 3, 292-299.	3.4	9
68	Beyond biomedical and comorbidity approaches: Exploring associations between affinity group membership, health and health seeking behaviour among MSM/MSW in Nairobi, Kenya. <i>Global Public Health</i> , 2020, 15, 968-984.	2.0	9
69	Endocervical Regulatory T Cells Are Associated With Decreased Genital Inflammation and Lower HIV Target Cell Abundance. <i>Frontiers in Immunology</i> , 2021, 12, 726472.	4.8	9
70	Impact of point-of-care testing and treatment of sexually transmitted infections and bacterial vaginosis on genital tract inflammatory cytokines in a cohort of young South African women. <i>Sexually Transmitted Infections</i> , 2021, 97, 555-565.	1.9	8
71	Substantial Inpatient Differences in the Breadth and Specificity of HIV-Specific CD8 <sup>+</sup> T-Cell Interferon- $\gamma$ and Proliferation Responses. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2008, 49, 123-127.	2.1	7
72	Non-Cationic Proteins Are Associated with HIV Neutralizing Activity in Genital Secretions of Female Sex Workers. <i>PLoS ONE</i> , 2015, 10, e0130404.	2.5	7

#	ARTICLE	IF	CITATIONS
73	Transitions: Novel Study Methods to Understand Early HIV Risk Among Adolescent Girls and Young Women in Mombasa, Kenya, and Dnipro, Ukraine. <i>Frontiers in Reproductive Health</i> , 2020, 2, .	1.9	7
74	Plasma Biomarkers of Risk of Tuberculosis Recurrence in HIV Co-Infected Patients From South Africa. <i>Frontiers in Immunology</i> , 2021, 12, 631094.	4.8	7
75	Multiple T-cell epitopes overlap positively-selected residues in the p1 spacer protein of HIV-1 gag. <i>Aids</i> , 2009, 23, 771-777.	2.2	6
76	HIV-1 Clade D Is Associated with Increased Rates of CD4 Decline in a Kenyan Cohort. <i>PLoS ONE</i> , 2012, 7, e49797.	2.5	6
77	The role of dendritic cells in driving genital tract inflammation and HIV transmission risk: Are there opportunities to intervene?. <i>Innate Immunity</i> , 2015, 21, 99-112.	2.4	6
78	Repeat Use of Post-exposure Prophylaxis for HIV Among Nairobi-Based Female Sex Workers Following Sexual Exposure. <i>AIDS and Behavior</i> , 2016, 20, 1549-1555.	2.7	6
79	An updated review on the effects of depot medroxyprogesterone acetate on the mucosal biology of the female genital tract. <i>American Journal of Reproductive Immunology</i> , 2021, 86, e13455.	1.2	6
80	Quantifying rates of HIV-1 flow between risk groups and geographic locations in Kenya: A country-wide phylogenetic study. <i>Virus Evolution</i> , 2022, 8, veac016.	4.9	6
81	Pre-infection plasma cytokines and chemokines as predictors of HIV disease progression. <i>Scientific Reports</i> , 2022, 12, 2437.	3.3	6
82	Does antiretroviral therapy initiation increase sexual risk taking in Kenyan female sex workers? A retrospective caseâ€“control study. <i>BMJ Open</i> , 2012, 2, e000565.	1.9	5
83	Interferon Regulatory Factor 1 Polymorphisms Previously Associated with Reduced HIV Susceptibility Have No Effect on HIV Disease Progression. <i>PLoS ONE</i> , 2013, 8, e66253.	2.5	5
84	Ex vivo HIV entry into blood CD4+ T cells does not predict heterosexual HIV acquisition in women. <i>PLoS ONE</i> , 2018, 13, e0200359.	2.5	5
85	Rectal microbiota diversity in Kenyan MSM is inversely associated with frequency of receptive anal sex, independent of HIV status. <i>Aids</i> , 2021, 35, 1091-1101.	2.2	5
86	Endothelial Cells Promote Productive HIV Infection of Resting CD4<sup>+</sup> T Cells by an Integrin-Mediated Cell Adhesion-Dependent Mechanism. <i>AIDS Research and Human Retroviruses</i> , 2022, 38, 111-126.	1.1	4
87	HIV-Specific T Cells: Strategies for Fighting a Moving Target. <i>Current HIV Research</i> , 2010, 8, 587-595.	0.5	4
88	Honing in on enteric fever. <i>ELife</i> , 2014, 3, e03545.	6.0	4
89	Mucosal HIV Shedding During ART. <i>Journal of Infectious Diseases</i> , 2017, 216, 1484-1486.	4.0	3
90	Live Attenuated Zoster Vaccine Boosts Varicella Zoster Virus (VZV)â€“Specific Humoral Responses Systemically and at the Cervicovaginal Mucosa of Kenyan VZV-Seropositive Women. <i>Journal of Infectious Diseases</i> , 2018, 218, 1210-1218.	4.0	3

#	ARTICLE	IF	CITATIONS
91	Racial differences in $\beta$ 27 expression on CD4+ T cells of HIV-negative men and women who inject drugs. PLoS ONE, 2020, 15, e0238234.	2.5	3
92	Higher mucosal antibody concentrations in women with genital tract inflammation. Scientific Reports, 2021, 11, 23514.	3.3	3
93	Epitope Mapping of HIV-Specific CD8+ T cells in a Cohort Dominated by Clade A1 Infection. PLoS ONE, 2009, 4, e6965.	2.5	2
94	SIV susceptibility, immunology and microbiome in the female genital tract of adolescent versus adult pigtail macaques. AIDS Research and Human Retroviruses, 2021, 37, 510-522.	1.1	2
95	Genital immune cell activation and tenofovir gel efficacy: a case-control study. Clinical Infectious Diseases, 2022, , .	5.8	2
96	Phylogeographic Assessment Reveals Geographic Sources of HIV-1 Dissemination Among Men Who Have Sex With Men in Kenya. Frontiers in Microbiology, 2022, 13, 843330.	3.5	2
97	Genital and systemic immune effects of the injectable, contraceptive norethisterone enanthate (NETâ€EN), in South African women. American Journal of Reproductive Immunology, 2021, 86, e13411.	1.2	1
98	A mucosal barrier for topical HIV PrEP?. Lancet HIV,the, 2019, 6, e484-e485.	4.7	0
99	Characterization of occult hepatitis B in high-risk populations in Kenya. , 2020, 15, e0233727.		0
100	Characterization of occult hepatitis B in high-risk populations in Kenya. , 2020, 15, e0233727.		0
101	Characterization of occult hepatitis B in high-risk populations in Kenya. , 2020, 15, e0233727.		0
102	Characterization of occult hepatitis B in high-risk populations in Kenya. , 2020, 15, e0233727.		0