

CURRICULUM VITAE	
Name	<b>Prof. Julius Otieno Oyugi</b>
Nationality	Kenyan
Contact address	Department of Medical Microbiology, University of Nairobi. P.O. Box 19676-00202 Nairobi, Kenya. E-mail: <a href="mailto:julias.oyugi9@gmail.com">julias.oyugi9@gmail.com</a>
Contact: Phone	254-713898564
Marital Status	Married
Education and qualification	
<i>Year (from – to)</i>	<i>Degree, Institution</i>
2004-2008	PhD in Microbiology/Virology: University of Manitoba, Canada
2000-2003	MSc Virology: Johnmoores University, Liverpool, UK.
1995-1996	Advance Diploma in Virology: Kenya Medical Training College (KMTTC), Kenya.
1991-1992	Diploma Medical Laboratory Sciences: Kenya Polytechnic, Kenya.
Employment History	
<i>Years since</i>	<i>Company / Institution</i>
2019 to date	Professor, Department of Medical Microbiology, University of Nairobi
2016 to date	Deputy Director, University of Nairobi Institute of Tropical and Infectious Diseases
2015-2015	Ag. Chairman, Department of Medical Microbiology, UON
2013-2019	Senior Lecturer, Department of Medical Microbiology, University of Nairobi
2012-to-Date	Assistant Professor, Department of Medical Microbiology, University of Manitoba
2010-2013	Lecturer, Department of Medical Microbiology, University of Nairobi
2011-2015	Laboratory Manager, University of Nairobi Institute of Tropical and Infectious Disease (UNITID).
2009-2010	Training coordinator, CIHR International Infectious Disease & Global Health Training Program (IID&GHTP)
2008-2009	Tutorial Fellow, Department of Medical Microbiology, University of Nairobi.
1999-2003	Research Technician, Kenya AIDS Vaccine Initiative KAVI
Professional Associations.	
2010 –to 2012	American Society for Microbiologists (ASM).
2009-to date	Kenya Medical Laboratory Technicians and Technologist Board (KMLTTB)
PhD Students successfully supervised	
<i>Year graduated</i>	<i>Name / Title of thesis/Dept/Institution of Registration</i>
2014	<b>Ms Nadia Musimbi Chanzu</b> ; Secretor Status, <i>Fucosyl transferase 2 (FUT2)</i> Gene Polymorphisms and Susceptibility to HIV Infections among Female Sex Workers in Kenya. University of Nairobi.
2017	<b>Frank Ndakala</b> : Genetic analysis of adverse drug events associated with antiretroviral therapy in Kenya.
PhD Students currently under supervision	

<i>YearRegistered</i>	<i>Name / Title of thesis/Dept/Institution of Registration</i>
2010	<b>Onyango J. Obila:</b> Depopovera as a risk factor for genital transmission of HIV-1 among women. Department of Medical Microbiology, University of Nairobi.
2012	<b>Susan Odera:</b> Association of Human Leukocyte Antigen with Susceptibility and Resistance to Pulmonary Tuberculosis and <i>M. tuberculosis</i> strain variation in a Kenyan Population.
2013	<b>Susan Wanjiku Maina:</b> Antimicrobial efficacy of selected medicinal plants extracts on Tooth Root Canal Biofilms
2014	<b>Kenneth Omollo:</b> The Impact of Hormonal Contraception on the Susceptibility to HIV Infection among Women in Nairobi, Kenya
2014	<b>Lucy Mwangi:</b> Limiting HIV target cells in female genital tract by inducing immune quiescence using hydroxychloroquine and acetylsalicylic acid
2015	<b>Ochwoto Misiani:</b> Molecular characterization of Hepatitis B virus infections among Acute and chronic patients attending liver clinics in Kenya.
2016	<b>Dr. Maurice Kodhiambo:</b> Household Characteristics as predictors of Access to Paediatric Malaria Treatment in the devolved health systems of Homa Bay County, Kenya
2018	<b>Umhuza Therese:</b> A retrospective investigation of the epidemiology, clinical characteristics and risk factors associated with morbidity of RSVs, HPIVs, and Hadvs viral agents in Kenya over a five-year period (2007-2002)
2018	<b>Dr. Dunstan Achwoka:</b> Non-communicable Disease Burden Among People Living with HIV/AIDS

#### Masters students successfully supervised

<i>YearQualified</i>	<i>Name / Title of thesis/Dept/Institution of Registration</i>
2010	<b>Dr. Florence Akinyi Achungo:</b> Assessment of Knowledge, Attitude, and Practices on Luo male child circumcision among parents or guardians in Bondo district, University of Nairobi Institute of Tropical and Infectious Diseases.
2011	<b>Ms Irene Adhiambo Onyango:</b> Innate Immune Responses among HIV-1 Exposed Seronegative (HESN) Individuals to live Attenuated Influenza vaccine as a model for mucosal Viral Infection; Centre for biotechnology and bioinformatics, University of Nairobi.
2011	<b>Dr. Rutto K Erick:</b> Malaria and HIV co-infection at Milo sub location, Webuye Health and Demographic Surveillance System in western Kenya; University of Nairobi Institute of Tropical and Infectious Diseases.
2012	<b>Mr. Meshack Juma:</b> Deactivation of Human Immunodeficiency Virus in breast milk using copper oxide. Department of Medical Microbiology, University of Nairobi.
2012	<b>Dr. Jacklyne Ashubwe-Jalemba:</b> A study to determine the prevalence of Astroviruses in Nairobi, Kenya in children less than five years with diarrhoea illness. University of Nairobi Institute of Tropical and Infectious Diseases.
2012	<b>Ms Zipporah Bosibori Machuki:</b> In vitro profiling of Mycobacterium tuberculosis region of difference 1 antigen induced cytokines among patients with active and latent tuberculosis. University of Nairobi Institute of Tropical and Infectious Diseases.

2012	<b>Mr. Philip Giddings Odhiambo Ochanda:</b> The impact of Monocytes immune activation on HIV/AIDS disease progression amongst patients co infected with TB/HIV; University of Nairobi Institute of Tropical and Infectious Diseases.
2013	<b>Ms. Milugo Trizah Koyi:</b> Anti-tumour properties of some selected medicinal plants from Kenya; Center for Biotechnology and Bioinformatics, University of Nairobi.
2013	<b>Mrs. Gichuhi Alice Nyambura:</b> Isolation and characterisation of vibrio cholera bacteriophages from the environmental waters of the lake region of Kenya. School of Biological Sciences, University of Nairobi.
2014	<b>Ms. Sylvia Thiongo:</b> Developing a cheap and rapid molecular-based test for detection of multi-drug resistant mycobacterium tuberculosis. Department of Medical Microbiology, University of Nairobi.
2014	<b>Mr. Kenneth Omollo:</b> The impact of sex work on the susceptibility of HIV infection among HIV resistant sex workers.
2015	<b>Ms. Rhoda Kamakia:</b> The role of TH17 on the pathogenesis of TB in HIV/TB co-infected adults visiting Mbagathi District Hospital, Nairobi. Kenya.
2015	<b>Dr. Jadeline A. Anyumba:</b> The Prevalence of BKV in Pre transplant and Post transplant patients at KNH.
2015	<b>Ms. Millicent Ogutu:</b> Resistance pattern of isolates from bacterial Vaginosis in female sex workers in Nairobi, Kenya.
2015	<b>Ms. Akiso M. Mbendo:</b> Association between hhv-7 infection and resistance to HIV-1 infection among HIV resistant persons
2016	<b>Ms. Felista W. Muthini:</b> Prevalence of <i>trichomonasvaginalis</i> in asymptomatic HIV negative commercial sex workers visiting swop clinics in Nairobi Kenya.
2016	<b>Mr. Mespa Manyepa:</b> Utility of Genexpert and Cytomorphology in the diagnosis of extra pulmonary tuberculosis-At Kenyatta National Hospital.
2016	<b>Ms. Betty Jepkurui Koech:</b> Seroincidence and Prevalence of Dengue among blood donors in Kenyan.
2016	<b>Angela Owiti:</b> Utilization of free maternal health services among women living in Kibera, Kenya.
2017	<b>Caroline Akinyi Okoth:</b> The diagnostic value of a lateral flow lipoarabinomannan assay in the diagnosis of active pulmonary tuberculosis.
2018	<b>Mr. Ben Otieno Otange:</b> Early and Rapid detection of Human Immunodeficiency Virus using Vibrational Raman Spectroscopy
<b>Masters students currently under supervision</b>	
<i>Year Registered</i>	<i>Name / Title of thesis/Dept/Institution of Registration</i>
2016	<b>Bramwuel Kisuya:</b> Seroprevalence of Zika virus and certain arboviral infections in selected regions of Kenya
2016	<b>Ms Jelioth Muthoni:</b> Profiling of bacteria species in bacteria vaginosis infection among preterm births Jaramogi Oginga Odinga Teaching and referral hospital and Kisumu County Hospital
2018	<b>Musasia Ivyn Munyuli:</b> Antimicrobial activity of albizia grandibracteata against Neisseria Gonorrhoea.

2018	<b>Tessy Francisca Oranga:</b> Investigation of anti-plasmodial activities of the crude extracts of <i>Phyllanthus sepialis</i> and <i>rumex steudelii</i> ; medicinal plants found in Kenya.
<b>Honours and Awards</b>	
<i>Year awarded</i>	<i>Type of award</i>
2004	<b>Studentship Award</b> -International Centre for Infectious Diseases (ICID).
2004	<b>Studentship Award</b> -Manitoba Health Research Council (MHRC).
2005	University of Manitoba, <b>Bursary Award.</b>
2006	<b>Poster Award:</b> Public Health Agency of Canada Research Forum
2006	<b>Young Investigator's award,</b> Basic Sciences: 15th Annual Canadian Conference on HIV/AIDS Research.
2006	<b>Student Travel Award:</b> University of Manitoba Student Union (UMSU).
2006	<b>Gold award, Poster Competition:</b> Canadian Institute of Health Research (CIHR) National Research.
2006	<b>Poster Award:</b> Manitoba Health Research Poster Competition.
2006	Studentship Award-Health Sciences Foundation.
2006	Poster Award: International Centre for Infectious Diseases Annual Retreat, Winnipeg, Manitoba.
<b>Conferences attended.</b>	
1998	12 <sup>th</sup> International AIDS conference, Geneva June 28th.-July 3rd. 1998.
2004	12th International Congress of Immunology (ICI) and the 4th Annual Conference of the Federation of Clinical Immunological Societies (FOCIS) held in Montreal, Canada July 18–23, 2004.
2005	Keystone symposia conference: HIV Pathogenesis and vaccines. April 9-15, 2005. Fairmont Banff Springs - Banff, Alberta Canada
2006	15 <sup>th</sup> . Annual conference of Canadian Association for HIV-1 Research. Quebec May 25-28.
2006	International AIDS Conference. Toronto, Canada. 13-18, August, 2006.
2008	Keystone symposia conference: HIV Pathogenesis. March 27-April 1, 2008 Fairmont Banff Springs - Banff, Alberta Canada.
2009	Keystone symposia conference: HIV Immunobiology: From Infection to immune control. March 22-27, 2009. Keystone Resort, Colorado, USA.
2011	HIV/AIDS vaccine conference in Bangkok, Thailand
2013	IPNET-Kenya/ICAN Joint Conference, 2013. 6-8th November 2013. Mombasa, Kenya.
2017	University of Nairobi HIV/AIDS Collaborative Centre Annual Meeting 2017
2018	Conference on Retroviruses and Opportunistic infections. In Boston, MA 02115, USA. March 4-7, 2018.
<b>Abstracts for conferences</b>	

1. Monika M. Kowatsch, Joshua Kimani, **Julius Oyugi**, Julie Lajoie, Keith R. Fowke. Determination of cell trafficking after induction of immune quiescence (E). 26<sup>th</sup> Annual Canadian Conference on HIV/AIDS Research, April 2017.
2. Jocelyn M. Wessels, Danielle Vitali, Julie Lajoie, Ken Omollo, **Julius Oyugi**, Juliana Cheruiyot, Joshua Kimani, Keith R. Fowke, Jennifer C. Stearns, Mike G. Surette. Sex Work Affects Bacterial Diversity and the Abundance of Lactobacilli in the Vaginal Microbiome of Kenyan Women (E) 26th Annual Canadian Conference on HIV/AIDS Research, April 2017
3. Jocelyn M. Wessels, Julie Lajoie, Ken Omollo, Joshua Kimani, **Julius Oyugi**, Juliana Cheruiyot, Mike G. Surette, Keith R. Fowke, CharuKaushic. Depot Medroxyprogesterone Acetate is Associated with Increased Diversity of the Vaginal Microbiome (E) 26th Annual Canadian Conference on HIV/AIDS Research, April 2017
4. Julie Lajoie, Genevieve Boily-Larouche, Ken Oduor, Makubo Kimani, **Julius Oyugi**, Joshua Kimani, Kristina Broliden, Keith Fowke. Progesterone-based contraception administration influences stress hormone release and lead to a more favourable environment for HIV acquisition. Canadian association for HIV research (CAHR), April 2017
5. Kenneth Omollo, Julie Lajoie, Geneviève Boily-Larouche, Julianna Cheruiyot, Makobu Kimani, Joshua Kimani, Kristina Broliden, **Julius Oyugi**, Keith Fowke. HIV-1 Target Cells and Inflammation in Kenyan Sex Workers using Depotmedroxyprogesterone. Pathogens Biology course in KEMRI, Kilifi, Kenya. September 2016
6. **Oyugi J.**, Juma E., Estambale, B., The Changing patterns of Rift Valley Fever virus prevalence in Baringo County. University of Nairobi STD/HIV/SRH Collaborative group Mayfair Court Southern Sun, Nairobi. January 26, 2016
7. **Oyugi, J.**, Akiso M., Omollo K., HHV7 down-regulates expression of HIV-1 receptors among discordant couples of Pumwani, Kenya. The annual HIV prevention care and treatment scientific conference May 2016.
8. Kenneth Omollo, Julie Lajoie, Geneviève Boily-Larouche, Julianna Cheruiyot Joshua Kimani, **Julius Oyugi**, Keith Fowke. Depot Medroxyprogesterone Acetate Increases T cell Activation Markers in the Female Genital Tract.
9. Julie Lajoie, Lucy Mwangi, Geneviève Boily-Larouche, Maureen Akolo, John Mungai, Juliana Cheruiyot, Makubo Kimani, Joshua Kimani, **Julius Oyugi**, Keith R. Fowke. Daily oral use of acetylsalicylic acid (ASA) reduces HIV target cells at the female genital tract. The 25th Annual Canadian Conference on HIV/AIDS Research. May 12 - 15, 2016
10. Waruk, Zipporah Machuki, Christine Mesa, OmuAnzala, Meenu Sharma, T Blake Ball, **Julius Oyugi**, Sandra Kiazzyk. Immunological Investigation into HIV/Mycobacterium tuberculosis co-Infection and Disease Jillian L. The 25th Annual Canadian Conference on HIV/AIDS Research. May 12 - 15, 2016.
11. Monika M. Kowatsch, Lucy Mwangi, Joshua Kimani, **Julius Oyugi**, Julie Lajoie, Keith R. Fowke. Inducing immune quiescence to reduce the number of HIV target cells in the female genital tract does not suppress the local innate immune response. The 25th Annual Canadian Conference on HIV/AIDS Research. May 12 - 15, 2016.
12. Julie Lajoie, Kenneth Omollo, Maria Rohl, Geneviève Boily-Larouche, Juliana Cheruiyot, Joshua Kimani, **Julius Oyugi**, Kristina Broliden, Keith R. Fowke. The effect of depot medroxyprogesterone acetate (DMPA) on the mucosal immune system in the female genital tract: implications for HIV risk. The 25th Annual Canadian Conference on HIV/AIDS Research. May 12 - 15, 2016.
13. Kenneth Omollo, Julie Lajoie, Geneviève Boily Larouche, Juliana Cheuiyot, Joshua Kimani, **Julius Oyugi**, Kristina Broliden, Keith R. Fowke. Depot Medroxyprogesterone Acetate

- Increases T cell Activation Markers in the Female Genital Tract. The 25th Annual Canadian Conference on HIV/AIDS Research. May 12 - 15, 2016.
14. **Julius Oyugi**, Natasha Hollett, Carlos Rojas, Krishnamurthy Jayanna, Stephen Moses, John Wylie, Javier Mignone, Keith Fowke. The impact of the CIHR-funded International Infectious Diseases and Global Training Program on HIV research trainees from developing nations. The 25th Annual Canadian Conference on HIV/AIDS Research. May 12 - 15, 2016.
  15. Kenneth Omollo, Geneviève Boily-Larouche, Julie Lajoie, Makubo Kimani, Juliana Cheuiyot, Joshua Kimani, **Julius Oyugi**, Keith R. Fowke. Interruption of sex work has subtle effects on systemic immune activation in sex workers from Nairobi, Kenya. The 25th Annual Canadian Conference on HIV/AIDS Research. May 12 - 15, 2016.
  16. Lucy W. Mwangi, Julie Lajoie, Maureen Akolo, John Mungai, Juliana Cheuiyot, Makubo Kimani, **Julius Oyugi**, Joshua Kimani, Keith R. Fowke. Anti-inflammatory Drugs to Prevent HIV-1 Infection: Role of Community Engagement. The 25th Annual Canadian Conference on HIV/AIDS Research. May 12 - 15, 2016.
  17. Geneviève Boily-Larouche, Julie Lajoie, Kenneth O. Omollo, Julianna Cheruiyot, Kara Lipski, Monika Kowatsch, Jane Njoki, Makobu Kimani, **Julius Oyugi**, Joshua Kimani, Keith R. Fowke. Regulation of Mucosal and Systemic Immune Activation and Inflammation During the Menstrual Cycle of Female Sex Workers from Nairobi, Kenya. The 25th Annual Canadian Conference on HIV/AIDS Research. May 12 - 15, 2016.
  18. Geneviève Boily-Larouche, Julie Lajoie, Kenneth O. Omollo, Julianna Cheruiyot, Jane Njoki, Kara Lipski, Monika Kowatsch, Makobu Kimani, **Julius Oyugi**, Joshua Kimani, Keith R. Fowke. Sexual Activity Induced Differential Alterations in T cell Activation in HIV-Susceptible and Naturally Protected Female Sex Workers from Nairobi, Kenya. The 25th Annual Canadian Conference on HIV/AIDS Research. May 12 - 15, 2016.
  19. Geneviève Boily-Larouche, Julie Lajoie, Julianna Cheruiyot, Jane Njoki, Makubo Kimani, **Julius Oyugi**, Joshua Kimani, Keith R. Fowke. Regulation of mucosal and systemic immune activation during the menstrual cycle of female sex workers from Nairobi, Kenya; local regulation and HIV-induced impairment.
  20. **Oyugi J.**, Akiso M., Omollo K., HHV7 down-regulates expression of HIV-1 receptors among discordant couples of Pumwani, Kenya. University of Nairobi STD/HIV/SRH Collaborative group Mayfair Court Southern Sun, Nairobi. January 26, 2015
  21. Geneviève Boily-Larouche, Julie Lajoie, Kenneth Odiwuor Omollo, Julianna Cheruiyot, Jane Njoki, Makubo Kimani, **Julius Oyugi**, Joshua Kimani, Keith R. Fowke. CD161-expression on CD4 T cells is enriched in the female genital tract and do not identify Th17 commitment like in blood, but a subset highly activated cells.
  22. **Oyugi J.**, Akiso M., Omollo K., HHV7 down-regulates expression of HIV-1 receptors among discordant couples of Pumwani, Kenya. University of Manitoba, Canada. 2015
  23. Keith R. Fowke, Lucy Mwangi, Genevieve Boily Larouche, Maureen Akolo, John Mungai, Julianna Cheruiyot, **Julius Oyugi**, Joshua Kimani, Julie Lajoie. Inducing immune quiescence with hydroxychloroquine as a new method to prevent HIV infection. The 25th Annual Canadian Conference on HIV/AIDS Research. May 12 - 15, 2016.
  24. Omollo K, Boily-Larouche G, Lajoie J, Cheruiyot J, **Oyugi J**, Broliden K, FowkeKR. The effect of Depot Medroxyprogesterone on the activation of the Immune Response. January 2016. University of Nairobi/Manitoba Collaborative Meeting, Nairobi, Kenya.
  25. Omollo K, Boily-Larouche G, Lajoie J, Cheruiyot J, **Oyugi J**, Fowke KR. The Impact of Sex Work on the Susceptibility to HIV Infection in Female Sex Workers. January 2015. University of Nairobi/Manitoba Collaborative Meeting, Nairobi, Kenya.

26. Omollo K, Boily-Larouche G, Lajoie J, Makobu K, Cheruiyot J, **Oyugi J**, Fowke KR. The Impact of Sex Work on the Susceptibility to HIV Infection in Female Sex Workers. September 2015, 1st IUIS-FAIS Southern African Immunology workshop & 6th Infectious Diseases in Africa Symposium. Cape Town, South Africa.
27. Ben Otange, Zephania Birech, Ronald Rop, Julius Okanda and **Julius Oyugi**. Early detection and concentration determination of hiv-1 based on the associated surface enhanced raman spectroscopic peaks of infected human plasma. 3rd Africa International Biotechnology & Biomedical Conference. Sep. 14-15, 2017.
28. **Oyugi J**, Omollo K, Mbedo M.A. Human Herpes Virus 7 down-regulates expression of HIV-1 receptors on the T-Helper cells of discordant couples of Pumwani, Kenya. 3rd Africa International Biotechnology & Biomedical Conference. Sep. 14-15, 2017.
29. **J. Oyugi**, TB diagnosis for children: What the lab can do for you. International Congress of Tropical Paediatrics. Nairobi, Kenya. 2014
30. **Oyugi J**. Judie Alimonti, Francoise Vouriot, Steve Wayne, Francis A. Plummer, Jody Berry, Keith Fowke. The role of CD4 polymorphism on HIV-1 infection. Canadian Student Health Research Days, June 9th. 2005.
31. **Oyugi J.**, Bwayo J, Plummer F.A., Njenga S., Kreiss J., Embree J. Changes in percentages of CD4 in HIV seropositive and seronegative children during a 2-year follow- up. 9th International conference on AIDS, 4th STD World congress. Berlin. June 6-11-1993, Abstract Po-C16-2992.
32. **Oyugi J.O.**, Maitha G., Ombette J., Bwayo J. Diagnosis of Mycobacterium Tuberculosis using Ligase Chain Reaction Assay (LCR). Abstract-41162. 12th. World AIDS conference Geneva, June 28th.-July 3rd.1998.
33. K.R. Fowke, L.A. Slaney, J.N. Simonson, N.J.D. Nagelkerke, A. Nath, A.O. Anzala, **Oyugi J**, A.Plummer.HIV-1 Resistant prostitutes: An innate mechanism? The first National conference on Human retroviruses and related infections.
34. K.S. Macdonald, M.P. Nghiem, J.A. Wade, K. Fowke, **Oyugi J**, J. Bwayo, B.H. Barber, F.A. Plummer. A novel class-I MHC Determinant is expressed in an HIV-1 exposed but uninfected Kenyan prostitutes. Annual conference on HIV/AIDS Research. Winnipeg, Manitoba. June 8-11-1995.
35. MacDonald K.S., Nasio J., **Oyugi J.**, Bwayo J., Nagelkerke N.J.D., Plummer F.A. Class-I MHC "Rareness" is Associated with decreased risk of HIV-1 Acquisition in Kenyan Men. The second National conference on human retroviruses and related infections.
36. Macdonald K.S., Luscher M., Embree J., Njenga S., **Oyugi J.**, Bwayo J., Barber B., Plummer F.A. Class-I MHC Discordance is associated with decreased perinatal transmission of HIV-1. Presented at the keystone symposium on Immunopathogenesis of HIV infection. Hilton Head Island, South Carolina, U.S.A. March 26th.April, 1996.

### Publications.

1. Nyagah LM, Young PW, Kim AA, Wamicwe J, Kimani M, Waruiru W, Rogena E, Oduor J, Walong E, Waruru A, **Oyugi J**, Downer M, De Cock KM, Sirengo M. HIV-Related Deaths in

- Nairobi, Kenya: Results from a HIV Mortuary Surveillance Study, 2015. *J Acquir Immune Defic Syndr*. 2019 May 1;81(1):18-23.
2. Achwoka D, Waruru A, Chen TH, Masamaro K, Ngugi E, Kimani M, Mukui I, **Oyugi JO**, Mutave R, Achia T, Katana A, Ng'ang'a L, De Cock KM. Noncommunicable disease burden among HIV patients in care: a national retrospective longitudinal analysis of HIV-treatment outcomes in Kenya, 2003-2013. *BMC Public Health*. 2019 Apr 3;19(1):372.
  3. Lajoie J, Tjernlund A, Omollo K, Edfeldt G, Röhl M, Boily-Larouche G, Cheruiyot J, Kimani M, Kimani J, **Oyugi J**, Broliden K, Fowke KR. Increased Cervical CD4+CCR5+ T Cells Among Kenyan Sex Working Women Using Depot Medroxyprogesterone Acetate. *AIDS Res Hum Retroviruses*. 2019 Mar;35(3):236-246
  4. Joag V, Obila O, Gajer P, Scott MC, Dizzell S, Humphrys M, Shahabi K, Huibner S, Shannon B, Tharao W, Mureithi M, **Oyugi J**, Kimani J, Kaushic C, Ravel J, Anzala O, Kaul R. Impact of Standard Bacterial Vaginosis Treatment on the Genital Microbiota, Immune Milieu, and Ex Vivo Human Immunodeficiency Virus Susceptibility. *Clin Infect Dis*. 2018 Sep 12.
  5. Boily-Larouche G, Lajoie J, Dufault B, Omollo K, Cheruiyot J, Njoki J, Kowatsch M, Kimani M, Kimani J, **Oyugi J**, Fowke KR. Characterization of the Genital Mucosa Immune Profile to Distinguish Phases of the Menstrual Cycle: Implications for HIV Susceptibility. *J Infect Dis*. 2019 Feb 23;219(6):856-866.
  6. Owiti A, **Oyugi J**, Essink D. Utilization of Kenya's free maternal health services among women living in Kibera slums: a cross-sectional study. *Pan Afr Med J*. 2018 May 30; 30:86.
  7. Lajoie J, Birse K, Mwangi L, Chen Y, Cheruiyot J, Akolo M, Mungai J, Boily-Larouche G, Romas L, Mutch S, Kimani M, **Oyugi J**, Ho EA, Burgener A, Kimani J, Fowke KR. Using safe, affordable and accessible non-steroidal anti-inflammatory drugs to reduce the number of HIV target cells in the blood and at the female genital tract. *J Int AIDS Soc*. 2018 Jul;21(7):
  8. Ndakala FN, **Oyugi JO**, Oluka MN, Kimani J, Norbert Behrens GM. The incidence of first-line antiretroviral treatment changes and related factors among HIV-infected sex workers in Nairobi, Kenya. *Pan Afr Med J*. 2017 Sep 5; 28:7.
  9. Wessels JM, Lajoie J, Vitali D, Omollo K, Kimani J, **Oyugi J**, Cheruiyot J, Kimani M, Mungai JN, Akolo M, Stearns JC, Surette MG, Fowke KR, Kaushic C. Association of high-risk sexual behaviour with diversity of the vaginal microbiota and abundance of *Lactobacillus*. *PLoS One*. 2017 Nov 2;12(11)
  10. LaCourse SM, Pavlinac PB, Cranmer LM, Njuguna IN, Mugo C, Gatimu J, Stern J, Walson JL, Maleche-Obimbo E, **Oyugi J**, Wamalwa D, John-Stewart G. Stool Xpert MTB/RIF and urine lipoarabinomannan for the diagnosis of tuberculosis in hospitalized HIV-infected children. *AIDS*. 2018 Jan 2;32(1):69-78.
  11. Geneviève Boily-Larouche, Kenneth Omollo, Julianna Cheruiyot, Jane Njoki, Makobu Kimani, Joshua Kimani, Julius Oyugi, Julie Lajoie, Keith R. Fowke. CD161 identifies polyfunctional Th1/Th17 cells in the genital mucosa that are depleted in HIV-infected female sex workers from Nairobi, Kenya. *Sci Rep*. Published online 2017 Sep 11.
  12. LaCourse SM, Pavlinac PB, Cranmer LM, Njuguna IN, Mugo C, Gatimu J, Stern J, Walson JL, Maleche-Obimbo E, **Oyugi J**, Wamalwa D, John-Stewart G. Stool Xpert MTB/RIF and urine lipoarabinomannan (LAM) for diagnosing tuberculosis in hospitalized HIV-infected children. *AIDS*. 2017 Oct 12.
  13. Nyaga L.W., O.W. Gachuno, R.W. Nduati, C.J. Owek, W.M. Ndege, M. C. Sigei, **J. Oyugi** and I.O. Kibwage. Distance Learning approach to train health sciences students at the University of Nairobi. *Vol 94, No 2 (2017): 101-105*



14. W.A. Odhiambo, S. Hasan, C. Mock, **J. Oyugi**, E. Kagereki. Directly observed road safety compliance by Motor Cycle Riders after a 5- Year Road Safety Campaign in Naivasha, Kenya. *East African Medical Journal*. Vol 94, No 1 2017/2016
15. Frank N. Ndakala, **Julius O. Oyugi**, Margaret O. Oluka. HIV-Associated Polyneuropathy in Resource-Limited Settings: Genetic Predisposition and Vitamin Variations. *World Journal of AIDS*, 2017, 7, 106-121.
16. Kamakia R, Kiazzyk S, Waruk J, Meyers A, Ochanda J, Ball TB, **Oyugi J**. Potential biomarkers associated with discrimination between latent and active pulmonary tuberculosis. *Int J Tuberc Lung Dis*. 2017 Mar 1; 21 (3): 278-285
17. Ndakala FN, **Oyugi JO**, Oluka MN, Kimani J, Jablonka A, Behrens GM. Prevalent neuropathy in a cohort of HIV-infected Kenyan sex workers using antiretroviral drugs. *Pan Afr Med J*. 2016 Sep 20; 25:14 No. 5 May 2016
18. Lajoie J, Boily-Larouche G, Doering K, Cheruiyot J, **Oyugi J**, Broliden K, Kimani J, Fowke KR. Improving Adherence to Post-Cervical Biopsy Sexual Abstinence in Kenyan Female Sex Workers. *Am J Reprod Immunol*. 2016 2016 Jul;76 (1):82-93. obstetrics care thro' the lens of clinical documentation on admission to labor ward E. *African Med. Journal*
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#### A journal Reviewer

2011 to 2013	East Africa Medical Journal (EAMJ).
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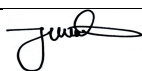
#### Consultancies

Year from – to	Position, Project / Program, Company / Institution / Description of roles and responsibilities
2010 to Date	<b>Laboratory consultant:</b> Partnership for Advanced Care and Treatment (PACT COE) of HIV/AIDS patients program. Program under University of Nairobi school of Medicine and University of Maryland USA and funded by the government of the United States of America through PEPFAR and the Centre for Disease Control (CDC). My role is to provide technical advice or assistance for laboratory strengthening for the program.
2010-2011	<b>Laboratory consultant:</b> AIDS Care and Treatment Services (ACTS) program at the Department of Paediatrics, University of Nairobi. ACTS is funded by PEPFAR and the government of the United States of America though the Centre for Disease Control (CDC). My role is to assist in setting up an HIV molecular diagnostics laboratory for the program.

#### Research grants

Year awarded-end of award	Role/Title of the award/amount/awarding institution
2012 to 2013	<b>Principal Investigator;</b> Mucosal and Systemic Human Herpes Virus-7 is protective against HIV-1 Infection among HIV-1 Exposed Seronegative Persons; USD 20,000; MEPI/NIH
2012 to 2018	<b>Co-Principal Investigator;</b> Development and standardization of mucosal immune assays focused on B cell responses to be applied to vaccination studies in the Kenyan cohort; USD 350,000/year for four years; CIHR.

2017-2018	<b>Principal Investigator:</b> The association of Maternal Periodontal Disease, Bacterial pathogens and Telomere Length as Predictors for Preterm births among women in Kisumu County Kenya. USD 79,000 for 18 Months. Funded by UCSF, USA.
2017-open	<b>Principal Investigator:</b> Evaluation of anti-plasmodial and anti-malarial activity of selected plants used in ethno-medicine in Kenya. USD 28,000/year: Funded by HITACHI, JAPAN
<b>Continuing Education</b>	
<i>Year</i>	<i>Nature of education</i>
1993	HLA or Tissue typing Training. Manitoba kidney transplant program, Winnipeg, Manitoba
1998	Attended a workshop on HIV diagnosis by screening and confirmatory assays for use in Laboratories. University of Yaounde, Cameroon
2000	Attended a course on “District Focused Programme on the diagnostic detection of HIV-1 for improved blood safety”. Organised by Kenya Medical Research (KEMRI) and JICA
2001	Good Clinical Practices (GCP). Organised by AAG Incorporated
2001	WHO-UNAIDS sponsored Training workshop on Application of a Detuned Assay as a tool for estimating HIV-1 Incidence cases for the purpose of future vaccine trials. UVRI, Uganda.
2002	Good Clinical Laboratory Practice (GCLP) for IAVI Clinical Trial Support Laboratory, organized by British Association of Research Quality Assurance.
2003	Good Clinical Practice (GCP), organized by John Hopkins Bloomberg school of Public Health.
2009	Diagnosis of MTB by MODS: In Lima, Peru.
2014	Application of Program science approach in a developing country scenario.

Signature: 

Date: June, 2019