

# **CURRICULUM VITAE**

**ELIZABETH ALLAYI MALECHE OBIMBO**

**M.B.Ch.B, M.Med. (Paediatrics)**

**M.P.H (Epidemiology), F.Pulm. (Paed)**

## **CURRICULUM VITAE      ELIZABETH ALLAYI MALECHE OBIMBO**

### **PERSONAL BIODATA**

Address: Department of Paediatrics & Child Health, University of Nairobi  
P.O. Box 19676-00202, Nairobi, Kenya  
Telephone: Office +254(20)4915046 or +254(20)2714877  
Fax: +254(20)2731970  
Email: [eobimbo@yahoo.com](mailto:eobimbo@yahoo.com) alternate [eobimbo@hcc.or.ke](mailto:eobimbo@hcc.or.ke), [elizabeth.obimbo@uonbi.ac.ke](mailto:elizabeth.obimbo@uonbi.ac.ke)  
Citizenship: Kenyan

### **EDUCATIONAL BACKGROUND**

#### **Professional Training**

1984-1989	M.B.Ch.B	Bachelors in Medicine & Surgery	University of Nairobi
1992-1996	M.Med	Masters in Medicine, Paediatrics	University of Nairobi
1999-2002	M.P.H.	Master in Public Health, Epidemiology	University of Washington
2011	F.Pulm.	Fellowship in Paediatric Pulmonology	University of Cape Town

#### **Other Short Professional Courses**

1996 May-Jun Lactation Management. Wellstart International, San Diego, USA  
2001 Sep Good Clinical Practices. Nairobi. AAG Incorporated.  
2002 Jul-Aug Principles of STD/HIV Research. Univ of Washington, Centre for AIDS Research, Seattle.  
2003 Feb The use of antiretroviral therapy in resource-limited settings. Mildmay International. .  
2004 Feb International Course on Paediatric Pulmonology. CIPP. Cartagena, Colombia  
2006 July International Course on Paediatric Pulmonology. CIPP. Montreal, Canada  
2007 Jun–2008 Jan Human Research Course – Biomedical and Social/Behavioural. (online) CITI Collaborative Institutional Training Initiative  
2005 Feb Comprehensive Management of Paediatric HIV; National AIDS Control Program, Ministry of Health, Kenya. Panafric Hotel, Nairobi, Kenya.  
2009 Jun Refresher Course on Obstructive Airways Diseases, Chest Research Foundation, Nairobi.  
2010 Oct International Child TB Training Conference. Stellenbosch University, Stellenbosch, S Africa  
2011 May Intensive Clinical Research Methods Workshop, Stellenbosch South Africa.  
2011 Aug Lung Function and Exercise Physiology Course. The Lung Institute, Univ of Cape Town  
2012 Jan Allergy and Asthma Course. Allergy Society of Kenya & International Asthma Services, Nairobi.  
2013 Sept National Advanced HIV Clinical Course – Trainer of Trainers Course. PACE Project, University of Nairobi & University of Maryland, Nairobi.  
2014 Nov Good Clinical Practices. NIDA Clinical Trials Network.  
2015 Sept-Nov European Spirometry Driving License, European Respiratory Society.  
2018 Feb Paediatric Immediate Life Support, 3<sup>rd</sup> February 2018, Gertrudes Childrens Hospital.  
2018 Feb Collaborative Institute Training Initiative (CITI) Good Clinical Practice Course (GCP).

#### **PROFESSIONAL WORK EXPERIENCE**

1989-1990 Medical Officer-Intern, Ministry of Health, deployed at Kenyatta National Hospital, Kenya

1990-1991 Medical Officer, Ministry of Health, deployed at Mathare Hospital  
 1992-1996 Assistant lecturer in the Department of Paediatrics at the University of Nairobi, Kenya  
 1992-1996 Registrar in the Division of Paediatrics at Kenyatta National Hospital, Nairobi  
 1996-1999 Senior House Officer in the Division of Paediatrics at Kenyatta National Hospital, Nairobi.  
 1996-2005 Lecturer, in the Department of Paediatrics at the University of Nairobi &  
 1996 - 2011 Consultant Paediatrician, Kenyatta National Hospital  
 2002 to date Clinical Epidemiologist, Dept of Paediatrics, University of Nairobi  
 2004 - 2011 Director, AIDS Care and Treatment Services, University of Nairobi  
 2005 - 2010 Senior Lecturer, in the Department of Paediatrics at the University of Nairobi  
 2010 - 2014 Associate Professor, in the Department of Paediatrics at the University of Nairobi &  
 Consultant Paediatrician, Kenyatta National Hospital  
 2012 to date Consultant Paediatrician and Respiratory Medicine Specialist, Kenyatta National Hospital.  
 2014 to date Professor of Paediatrics & Respiratory Medicine, Dept of Paediatrics, University of Nairobi  
 2012 to date Chairperson, Department of Paediatrics & Child Health, School of Medicine, University of Nairobi & Consultant Paediatrician, Kenyatta National Hospital

### ***Other Professional Positions - Local***

2003 to date Director and Consultant Paediatrician & Respiratory Medicine Specialist, Hurlingham Children's Clinic, Nairobi  
 2005 to date Technical advisor "Paediatric HIV Technical Working Group", National AIDS Control Program (NASCO), Ministry of Health, Kenya  
 2006 – 2011 Head, Paediatric HIV Services, Kenyatta National Hospital  
 2006 – 2008 Technical advisor, Kenya Paediatric Association HIV Project  
 2006 to date Consulting Paediatrician & Respiratory Medicine Specialist, Gertrudes Children's Hospital, Nairobi  
 2006 to date Reviewer, East African Medical Journal  
 2007 – 2010 Chair of Scientific Committee & Secretary, Kenya Paediatric Association  
 2009 - 2011 Head, General Paediatric Ward 3B, Kenyatta National Hospital  
 2009 to date Consulting Paediatrician & Respiratory Medicine Specialist, The Nairobi Hospital  
 2010 to date Technical Advisor, Paediatric Respiratory Disease, and "Child TB Technical Working Group", Division of TB and Lung Disease, Kenya Ministry of Health.  
 2012 to date Member of Executive Board, Beacon of Hope  
 2011 - 2016 Secretary, Kenya Paediatric Research Consortium (KEPRECON)  
 2016 - 2017 Board Member, KEPRECON.

### ***Other Professional Positions - International***

2006 - 2014 Steering Committee Member, Paediatric AIDS Treatment for Africa (PATA)  
 2011 to date Member, World Health Organisation (WHO) Global TB Program, Child TB core group  
 2012 to date Reviewer, International Journal on Tuberculosis and Lung Diseases  
 2013 to date Reviewer, Africa Journal of Respiratory Medicine  
 2013 to date WHO Consultant Expert Reviewer of National Tuberculosis Programs – Paediatric TB.  
 2012 to date African Paediatric Fellowship Program of the University of Cape Town. Site Supervisor for Fellows from Kenya.  
 2016 – 2017 Member, WHO Strategic Advisory Group of Experts Working Group on BCG Vaccine  
 2017 to date Member, WHO Paediatric Antiretroviral drugs Working Group (PAWG).  
 2018 Member, Scientific Advisory Board, TB-Speed (Strengthening Paediatric TB service for Enhanced Early Detection) Research Project.

## **Administrative Responsibilities, University of Nairobi**

### **Current:**

- 2009 to date     Coordinator, MMed Part I Respiratory Medicine Lecture Series  
Course Director and/or Facilitator, of the following short courses:  
    "Comprehensive Paediatric HIV Care" (2005 to date)  
    "Management of Tuberculosis" (2010 to date)  
    "Comprehensive course on Childhood Tuberculosis (2012 to date)  
2010 to date     Member, College of Health Sciences UoN Academic Board  
2012 to date     Manager, Pediatric Training and Clinical Centre, School of Medicine, UoN  
2012 to date     Chairperson, Department of Paediatrics & Child Health, UoN  
2013 to date     Senate Representative: African Women Studies Centre Board Management, UoN  
2015 to date     Member, School of Medicine Management Board, UoN.

### **Previous:**

- 1996 – 1999     Coordinator, Child Health Program, Dept of Paediatrics & Child Health  
2002 – 2006     Coordinator, Undergraduate Program, Dept of Paediatrics & Child Health  
2002 – 2008     Income Generating Activities Manager, Dept of Paediatrics & Child Health  
2007 – 2011     Coordinator, MMed Part I HIV/STI Paediatrics/Clinical Medicine Lecture Series  
2010 – 2011     Representative College of Health Sciences to ICT University Management Committee  
2010 – 2011     Senate Representative, Alternate to Dean, School of Medicine.  
2011 – 2012     Coordinator, Post-graduate MMed(Paed) Program, Dept of Paediatrics & Child Health  
2011 – 2015     Course Director, "Maternal, Newborn and Child Health" Course  
2015             Course Director "Asthma and Allergy Course" (2015)

## **Professional Body Affiliations**

- Member, Kenya Paediatric Association  
Member, Pan African Thoracic Society (PATS)  
Member, The Kenya Association for the Prevention of Tuberculosis & Lung Disease (KAPTLD)  
Member, International Union against Tuberculosis and Lung Disease (IUATLD)  
Member, Allergy Society of Kenya  
Member, HIV Clinician Society of Kenya

## **SCHOLARSHIPS, HONORS AND AWARDS**

- 1985     Prize for Best undergraduate student in Human Anatomy, UoN.  
1988     Tommy Adamson Memorial Prize for best final year student in Obstetrics and Gynaecology, UoN.  
1988     Professor Alan Ross prize for best undergraduate student in Paediatrics, UoN.  
1989     Rahima Dawood Foundation Prize for best final year student in Surgery, Faculty of Medicine, UoN.  
1989     Kenya Medical Association Prize for best final year student in the Faculty of Medicine, UoN.  
1996     Best final year Masters of Medicine student in Paediatrics and Child Health, UoN.  
1999     Fogarty scholarship through the International AIDS Research Training Program, University of Washington.

- 2001 Developing Country Scholarship Award to attend Third Conference on Global Strategies for the Prevention of HIV Transmission from Mothers to Infants.
- 2003 International Scholarship Award & invited oral original research paper presenter at the 3<sup>rd</sup> International AIDS Society Conference in Paris, France in July 2003.
- 2004 Full Scholarship Award invited oral original research paper presenter at the XV<sup>th</sup> International AIDS Conference in Bangkok, Thailand, in July, 2004
- 2004-2010 Grant award from Centres for Disease Control, Atlanta, for HIV Treatment for Research Subjects or by Researchers at Kenyatta National Hospital.
- 2004-2010 Director of CDC funded AIDS Care & Treatment Program (ACTS) at Kenyatta National Hospital
- 2009 – 2010 Vice Chancellor University of Nairobi, Special Recognition for Research Funding Contribution to University of Nairobi. Vice Chancellor’s Speech, Graduation Ceremonies 2009, 2010.
- 2011 African Paediatric Fellowship Program Scholarship to undergo clinical sub-specialty training in Paediatric Pulmonology at the University of Cape Town
- 2011 Selected to represent Sub-Saharan Africa at Tenth International Congress on Paediatric Pulmonology, Versailles, France June 2011.
- 2012 Selected as World Health Organisation Trainer of Trainers for WHO Child TB training course, trained in Stellenbosch, South Africa, 30<sup>th</sup> April – 2<sup>nd</sup> May 2012.
- 2013 The James Angawa Award for Excellence in advancing public health gains in Lung Health in Kenya. – awarded for immense contribution to the development and implementation of public health policies that have impacted on lung health in Kenya. Ceremony: National Lung Conference in Nairobi, Kenya, October 2 – 5<sup>th</sup> 2013.
- 2013 Recognised Subspecialist in Paediatric Respiratory and Chest Medicine – Kenya Medical Practitioners and Dentists Board.

## RESEARCH SUPPORT & GRANTS

### Ongoing Research

2015 – 2018

Title: Prospective study of Lopinavir based ART for HIV Infected children Globally (LIVING study)

Collaborating Institutions: University of Nairobi, Drugs for Neglected Diseases Initiative (DNDi)

Funding Agency: DNDi Grant No - DNDiPedHIV002

Role: Site PI - University of Nairobi / Kenyatta National Hospital.

Coordinating PI Multi-centre Study: Dalton Wamalwa

10/01/2010 – 09/30/2016, Renewed 2016 - 2021

Title: PEPFAR Grant award from Centres for Disease Control, USA to University of Nairobi “Partnership for Advanced Care and Treatment – Centres of Excellence” - PACT CoE Project (2010 – 2016)

Centres of Excellence for HIV Management - COEHM Project (2016 - 2021)

Cooperative Agreement 5U2GPS002182 CDC Annual Renewable Grant ranging USD 3.3– 4.3 million/year. (PI: Zipporah Ngumi)

Role: Senior Technical Advisor

Operations Research under above PEPFAR Cooperative agreements:

Title: Use Of A Clinical Care Database To Evaluate HIV Care And Treatment In University Of Nairobi Supported Sites At Kenyatta National Hospital And Beacon Of Hope.  
*Current ongoing evaluation "TB/HIV Co-Infection among Kenyan children receiving Care at a Referral Hospital in Nairobi, Kenya".*  
Role: Principal Investigator – operational research under the above PEPFAR grant

2016 - 2018

Title: "BREATHE" Study: Biomarkers and REspiratory imaging in Adolescents—The Hope Center Experience  
Funding Agency: The Thrasher Research Fund  
Collaborating Institutions: University of Nairobi, Coptic Hospital Nairobi, University of Washington.  
PI: Engi Ettia, Pulmonary & Critical Care Fellow, University of Washington.  
Role: Co-Principal Investigator (Site PI)

2015 – 2019.

Preventing Mycobacterium Tuberculosis Infection in HIV-Exposed Infants (iTIPS Study).  
Collaborating Institutions: University of Washington, University of Nairobi.  
Funding Agency: Thrasher Research Fund.  
PI: Grace John-Stewart. Role: Co-investigator.

2015 – 2020.

Partnership for Health Research and Training in Kenya (P-HERT Project).  
Collaborating Institutions: University of Nairobi, Maseno University, Kenyatta University, University of Washington.  
Funding Agency: NIH.  
PI: Dalton C Wamalwa. Role: Co-investigator.

2016 – 2019

Title: Financial Incentives to Increase Pediatric HIV Testing (FIT Study)  
Collaborating Institutions: University of Washington, University of Nairobi.  
Funding Agency: Centre for AIDS Research (CFAR).  
PI: Jennifer Slyker Site PI: Irene Njuguna. Role: Co-investigator.

2015 – 2019

Title: Preventing Mycobacterium Tuberculosis Infection in HIV-exposed infants (iTIPS)  
Collaborating Institutions: University of Washington, University of Nairobi.  
Funding Agency: Thrasher Research Fund.  
Role: Co-Investigator PI – Grace John-Stewart

2017 – 2020

Title: Supportive care and antibiotics for severe pneumonia among hospitalized children: A pragmatic randomised controlled trial.  
Funding Agency: DFID/MRC/NIHR/Wellcome Trust via Joint Global Health Trials (JGHT).  
Role: Co-investigator. PI: Ambrose Agweyu

2017 – 2022

Title: Infant immune mechanisms of HIV reservoir size and decay (Persistence Study).

Collaborating Institutions: University of Washington, University of Nairobi.  
Funding Agency: RO1 NIH  
Role: Co-investigator Pls: Grace Stewart, Dalton Wamalwa

### **Completed Research/Grant Support**

1999 – 2004

HIV-1 specific CTLs and Breastmilk HIV-1 Transmission; Nested sub-studies on HIV-1 infected sub-group of children within this cohort

Funding Agency: NIH - Grant RO1 HD-23412

Role: PI of paediatric sub-studies, Co-Investigator of parent study.

PI: Grace John-Stewart Site-PI: Dorothy Mbori-Ngacha

09/30/2004 – 12/31/2010

AIDS Care and Treatment Services Program (ACTS).

Cooperative Agreement 024513, CDC grant to University of Nairobi ACTS Program to support “HIV Treatment for Research Subjects or by Researchers in Kenya”.

Annual award 450,000 USD in 2004/5 increasing to 2,800,000 USD by 2009/10.

Role: Program Director

2010-2012

Title: Use of Pooled Blood Samples for Detection of Antiretroviral Treatment Failure in HIV-1 infected Children

Grant R01: TW007632 Fogarty International Center, NIH

Role: Co-investigator

2009 – 2012

Title: “An open randomized phase I/II study evaluating safety and immunogenicity of a candidate HIV-1 vaccine, MVA.HIVa, administered to healthy infants born to HIV-1-infected mothers” (Pedvac Study)

Funding Agency: Medical Research Council (MRC) UK, OXTREC Ref No: 52 08.

Role: Co-Investigator Pls: Thomas Hank, Walter Jaoko

2012 – 2014 Title: CFAR Infrastructure Award for Establishment of Negative Pressure Sputum Collection Room at University of Nairobi / Kenyatta National Hospital.

Grant: University of Washington/Fred Hutchison Cancer Research Centre, Centre for AIDS Research (CFAR) USD 10,000

Role: Principal Investigator

2011-2014. Title: Optimizing Pediatric TB Diagnosis in Kenya (OPT study)

Tulane University Institutional Grant No. 301475-2 USD 15,000

Role: Co-Principal Investigator

2010 - 2015

Title: Sustainable Responses to Measles Vaccination among HIV-1-infected Children on HAART (MVS Study) – nested in “HIV-1 and Protective Immunity against Common Childhood Pathogens” Study.

Grant NIH Subcontract Direct Costs USD 33,940 Co-PI Prof R Nduati

Role: Co-investigator

2013 – 2014

Title: Airflow Obstruction and Chronic Lung Disease Study in Nairobi.

Funding Agency: University of Washington, Department of Global Health Thomas Francis Jr Global Health Fellowship. International Respiratory and Severe Illness Center (INTERSECT) – Ellison Fellowship.

Role: Co-investigator and Thesis Supervisor of PI Engi Ettia.

2010 – 2016

Title: Strengthening Maternal, Newborn & Child Health Research Training in Kenya (PRIME-K MEPI-Linked Project)

Parent Project “Partnership for Innovative Medical Education in Kenya – PRIME-K

Grant R24: TW008907-01 Annual Direct Costs USD 450,000

Role: Co-Investigator

2013 – 2015

Title: HIV Counseling and Testing Children at Home (CATCH) Study

Grant: Pilot UW RRF

Collaborating Institutions: University of Nairobi, Family AIDS Care and Education Services Program (FACES), University of Washington.

Role: Co-investigator

Status: Pilot funding provided by University of Washington. Applied for further funding from National Institutes of Health

2006 – 2011 Extension of Study 2011 – 2016

Title: Optimizing Paediatric HIV-1 Therapy (Extended, OPHX Study)

Nested Study: Impact of HIV and ART on Neurocognitive Development of HIV-1 Infected Children (INK)

Grant RO1: HD 023412-16 National Institutes of Health (NIH/NIAID) USD 180,000/yr

Role: Co-investigator

2011 – 2016

Title: Urgent versus Post-Stabilization Antiretroviral Therapy in HIV-1 infected Children with Severe Co-Infection (Pediatric Urgent Start of HAART - PUSH) Study

Grant RO1:HD023412-21, Annual Direct Costs USD 290,000.

Role: Co-investigator PI: Grace John-Stewart Site PI: Dalton Wamalwa

2014 - 2017

Title: Health Impacts of Household Air Pollution on Women’s Health and Child Survival (HAP Study)

Collaborating Institutions: University of Nairobi and University of Washington

Role: Co-investigator PI: Grace John-Stewart

Funding Agency: National Institutes of Health (RO1HD023412-22S1).

2014 – 2017

Title: Etiology of Pediatric Respiratory Mortality at Kenyatta National Hospital, Nairobi, Kenya

Collaborating Institutions: University of Nairobi, KEMRI, CDC

Role: Co-investigator PI: Henry Njuguna (KEMRI) & Joshua Mott (KEMRI/CDC Kenya)



Funding Agency: United States Centers for Disease Control and Prevention (CDC)

## Proposed Research / Projects

Title: International Lung Disease Research Training Program  
Collaborating Institutions: University of Washington, IARTP & University of Nairobi  
Role: Co-investigator & Training Mentor PI: Gustavo Matute-Bello (UW)  
Status: Applied to Fogarty International, NIH for funding

Title: Improving HIV Treatment Responses among Infants and Children.  
Collaborating Institutions: University of Washington, University of Nairobi  
Role: Co-investigator PI: Dr Jennifer Slyker (UW)  
Status: Applied to NIH for funding

Title: SMS-enhanced Early childhood development Delivery (SEED).  
Collaborating Institutions: University of Washington, University of Nairobi  
Role: Co-investigator PI: Sarah Benki-Nugent  
Status: Applied to NIH for funding.

Title: CMV Reactivation and Mortality in Kenyan Children Admitted to Intensive Care  
Collaborating Institutions: University of Washington, University of Nairobi  
Role: Co-investigator PI: Jennifer Slyker  
Status: Applied for funding.

## PUBLICATIONS

### Published Research Papers in Peer Reviewed Journals

1. **Obimbo E**, Musoke RN, Were F. Knowledge, attitudes and practices of mothers and knowledge of health workers regarding care of the newborn umbilical cord. *East Afr Med J.* 1999 Aug;76(8):425-9.
2. Lohman BL, Slyker J, Mbori-Ngacha D, Bosire R, Farquhar C, **Obimbo E**, Otieno P, Nduati R, Rowland-Jones S, John-Stewart G. Prevalence and magnitude of human immunodeficiency virus (HIV) type 1-specific lymphocyte responses in breast milk from HIV-1-seropositive women. *J Infect Dis.* 2003 Dec 1;188(11):1666-74. Epub 2003 Nov 14.
3. Okwara FN, **Obimbo EM**, Wafula EM, Murila FV. Bacteraemia, urinary tract infection and malaria in hospitalised febrile children in Nairobi: is there an association? *East Afr Med J.* 2004 Jan;81(1):47-51.
4. **Obimbo EM**, Mbori-Ngacha DA, Ochieng JO, Richardson BA, Otieno PA, Bosire R, Farquhar C, Overbaugh J, John-Stewart GC. Predictors of early mortality in a cohort of human immunodeficiency virus type 1-infected african children. *Pediatr Infect Dis J.* 2004 Jun;23(6):536-43.
5. Farquhar C, Rowland-Jones S, Mbori-Ngacha D, Redman M, Lohman B, Slyker J, Otieno P, **Obimbo E**, Rostron T, Ochieng J, Oyugi J, Bosire R, John-Stewart G. Human leukocyte antigen (HLA) B\*18 and protection against mother-to-child HIV type 1 transmission. *AIDS Res Hum Retroviruses.* 2004 Jul;20(7):692-7.

6. Lohman BL, Slyker JA, Richardson BA, Farquhar C, Mabuka JM, Crudder C, Dong T, **Obimbo E**, Mbori-Ngacha D, Overbaugh J, Rowland-Jones S, John-Stewart G. Longitudinal assessment of human immunodeficiency virus type 1 (HIV-1)-specific gamma interferon responses during the first year of life in HIV-1-infected infants. *J Virol*. 2005 Jul;79(13):8121-30.
7. Gichuhi C, **Obimbo E**, Mbori-Ngacha D, Mwatha A, Otieno P, Farquhar C, Wariua G, Wamalwa D, Bosire R, John-Stewart G. Predictors of mortality in HIV-1 exposed uninfected post-neonatal infants at the Kenyatta National Hospital, Nairobi. *East Afr Med J*. 2005 Sep;82(9):447-51.
8. Otieno PA, Brown ER, Mbori-Ngacha DA, Nduati RW, Farquhar C, **Obimbo EM**, Bosire RK, Emery S, Overbaugh J, Richardson BA, John-Stewart GC. HIV-1 disease progression in breast-feeding and formula-feeding mothers: a prospective 2-year comparison of T cell subsets, HIV-1 RNA levels, and mortality. *J Infect Dis*. 2007 Jan 15;195(2):220-9. Epub 2006 Dec 13.
9. Balkus J, Bosire R, John-Stewart G, Mbori-Ngacha D, Schiff MA, Wamalwa D, Gichuhi C, **Obimbo E**, Wariua G, Farquhar C. High uptake of postpartum hormonal contraception among HIV-1-seropositive women in Kenya. *Sex Transm Dis*. 2007 Jan;34(1):25-9.
10. Wamalwa DC, Farquhar C, **Obimbo EM**, Selig S, Mbori-Ngacha DA, Richardson BA, Overbaugh J, Emery S, Wariua G, Gichuhi C, Bosire R, John-Stewart G. Early response to highly active antiretroviral therapy in HIV-1-infected Kenyan children. *J Acquir Immune Defic Syndr*. 2007 Jul 1;45(3):311-7.
11. Walson JL, Brown ER, Otieno PA, Mbori-Ngacha DA, Wariua G, **Obimbo EM**, Bosire RK, Farquhar C, Wamalwa D, John-Stewart GC. Morbidity among HIV-1-infected mothers in Kenya: prevalence and correlates of illness during 2-year postpartum follow-up. *J Acquir Immune Defic Syndr*. 2007 Oct 1;46(2):208-15.
12. Slyker JA, Lohman-Payne BL, Rowland-Jones SL, Otieno P, **Maleche-Obimbo E**, Richardson B, Farquhar C, Mbori-Ngacha D, Emery VC, John-Stewart GC. The detection of cytomegalovirus DNA in maternal plasma is associated with mortality in HIV-1-infected women and their infants. *AIDS*. 2009 Jan 2;23(1):117-24.
13. John-Stewart GC, Mbori-Ngacha D, Payne BL, Farquhar C, Richardson BA, Emery S, Otieno P, **Obimbo E**, Dong T, Slyker J, Nduati R, Overbaugh J, Rowland-Jones S. HIV-1-specific cytotoxic T lymphocytes and breast milk HIV-1 transmission. *J Infect Dis*. 2009 Mar 15;199(6):889-98.
14. Inwani I, Mbori-Ngacha D, Nduati R, **Obimbo E**, Wamalwa D, John-Stewart G, Farquhar C. Performance of clinical algorithms for HIV-1 diagnosis and antiretroviral initiation among HIV-1-exposed children aged less than 18 months in Kenya. *J Acquir Immune Defic Syndr*. 2009 Apr 15;50(5):492-8.
15. Brown ER, Otieno P, Mbori-Ngacha DA, Farquhar C, **Obimbo EM**, Nduati R, Overbaugh J, John-Stewart GC. Comparison of CD4 cell count, viral load, and other markers for the prediction of mortality among HIV-1-infected Kenyan pregnant women. *J Infect Dis*. 2009 May 1;199(9):1292-300.
16. **Obimbo EM**, Wamalwa D, Richardson B, Mbori-Ngacha D, Overbaugh J, Emery S, Otieno P, Farquhar C, Bosire R, Payne BL, John-Stewart G. Pediatric HIV-1 in Kenya: pattern and correlates of viral load and association with mortality. *J Acquir Immune Defic Syndr*. 2009 Jun 1;51(2):209-15.
17. Wamalwa DC, Farquhar C, **Obimbo EM**, Selig S, Mbori-Ngacha DA, Richardson BA, Overbaugh J, Egondi T, Inwani I, John-Stewart G. Medication diaries do not improve outcomes with highly active antiretroviral therapy in Kenyan children: a randomized clinical trial. *J Int AIDS Soc*. 2009 Jun 24;12:8.
18. Lohman-Payne B, Slyker JA, Richardson BA, Farquhar C, Majiwa M, **Maleche-Obimbo E**, Mbori-Ngacha D, Overbaugh J, Rowland-Jones S, John-Stewart G. Infants with late breast milk acquisition of HIV-1 generate interferon-gamma responses more rapidly than infants with early

- peripartum acquisition. *Clin Exp Immunol*. 2009 Jun;156(3):511-7.
19. Kimutai D, **Maleche Obimbo E**, Kamenwa R, Murila F. Hypo-phosphataemia in children under five years with kwashiorkor and marasmic kwashiorkor. *East Afr Med J*. 2009 Jul;86(7):330-6.
  20. Slyker JA, Lohman-Payne BL, John-Stewart GC, **Maleche-Obimbo E**, Emery S, Richardson B, Dong T, Iversen AK, Mbori-Ngacha D, Overbaugh J, Emery VC, Rowland-Jones SL. Acute cytomegalovirus infection in Kenyan HIV-infected infants. *AIDS*. 2009 Oct 23;23(16):2173-81.
  21. Gichuhi S, Bosire R, Mbori-Ngacha D, Gichuhi C, Wamalwa D, **Maleche-Obimbo E**, Farquhar C, Wariua G, Otieno P, John-Stewart GC. Risk factors for neonatal conjunctivitis in babies of HIV-1 infected mothers. *Ophthalmic Epidemiol*. 2009 Nov-Dec;16(6):337-45.
  22. Wamalwa DC, **Obimbo EM**, Farquhar C, Richardson BA, Mbori-Ngacha DA, Inwani I, Benki-Nugent S, John-Stewart G. Predictors of mortality in HIV-1 infected children on antiretroviral therapy in Kenya: a prospective cohort. *BMC Pediatr*. 2010 May 18;10:33.
  23. Jonnalagadda S, Lohman Payne B, Brown E, Wamalwa D, **Maleche Obimbo E**, Majiwa M, Farquhar C, Otieno P, Mbori-Ngacha D, John-Stewart G. Latent tuberculosis detection by interferon  $\gamma$  release assay during pregnancy predicts active tuberculosis and mortality in human immunodeficiency virus type 1-infected women and their children. *J Infect Dis*. 2010 Dec 15;202(12):1826-35. Epub 2010 Nov 10.
  24. Slyker JA, John-Stewart GC, Dong T, Lohman-Payne B, Reilly M, Atzberger A, Taylor S, **Maleche-Obimbo E**, Mbori-Ngacha D, Rowland-Jones SL. Phenotypic characterization of HIV-specific CD8+ T cells during early and chronic infant HIV-1 infection. *PLoS One*. 2011;6(5):e20375. Epub 2011 May 31.
  25. Githinji N, **Maleche-Obimbo E**, Nderitu M, Wamalwa DC, Mbori-Ngacha D. Utility of total lymphocyte count as a surrogate marker for CD4 counts in HIV-1 infected children in Kenya. *BMC Infect Dis*. 2011 Sep 30;11:259.
  26. Diener LC, Slyker JA, Gichuhi C, Tapia KA, Richardson BA, Wamalwa D, Farquhar C, Overbaugh J, **Maleche-Obimbo E**, John-Stewart G. Performance of the integrated management of childhood illness algorithm for diagnosis of HIV-1 infection among African infants. *AIDS*. 2012 Sep 24;26(15):1935-41.
  27. Lohman-Payne B, Slyker JA, Moore S, **Maleche-Obimbo E**, Wamalwa DC, Richardson BA, Rowland-Jones S, Mbori-Ngacha D, Farquhar C, Overbaugh J, John-Stewart G. Breastmilk cellular HIV-specific interferon  $\gamma$  responses are associated with protection from peripartum HIV transmission. *AIDS*. 2012 Oct 23;26(16):2007-16. doi: 10.1097/QAD.0b013e328359b7e0.
  28. Wamalwa D, Lehman DA, Benki-Nugent S, Gasper M, Gichohi R, **Maleche-Obimbo E**, Farquhar C, John-Stewart G, Overbaugh J. Long-term Virologic Response and Genotypic Resistance Mutations in HIV-1 Infected Kenya Children on Combination Antiretroviral Therapy. *J Acquir Immune Defic Syndr*. 2012 Nov 28. [Epub ahead of print]
  29. John-Stewart GC, Wariua G, Beima-Sofie KM, Richardson BA, Farquhar C, **Maleche-Obimbo E**, Mbori-Ngacha D, Wamalwa D. Prevalence, perceptions and correlates of pediatric HIV disclosure in an HIV treatment program in Kenya. *AIDS Care*. 2012 Dec 20. [Epub ahead of print]
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- Maleche-Obimbo E**, Richardson BA, John-Stewart GC. Toll-like receptor variants are associated with infant HIV-1 acquisition and peak plasma HIV-1 RNA level. *AIDS*. 2013 Sep 24;27(15):2431-9. doi: 10.1097/QAD.0b013e3283629117.
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- [Vertically-acquired HIV in Nairobi](#). *Pediatr Infect Dis J*. 2017 Apr;36(4):e93-e97. doi: 10.1097/INF.0000000000001453. PMID:27977561
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Reservoir and the Impact of Short Treatment Interruption in Kenyan Infants. *Open Forum Infect Dis*. 2017 Dec 9;5(1):ofx268. doi: 10.1093/ofid/ofx268. eCollection 2018 Jan.

63. Marangu D, Mwaniki H, Nduku S, **Maleche-Obimbo E**, Jaoko W, Babigumira J, John-Stewart G, Rao D. Adapting a stigma scale for assessment of tuberculosis-related stigma among english/swahili-speaking patients in an African setting. *Stigma Health*. 2017 Nov;2(4):326. doi: 10.1037/sah0000056.
64. Gómez LA, Crowell CS, Njuguna I, Cranmer LM, Wamalwa D, Chebet D, Otieno V, **Maleche-Obimbo E**, Gladstone M, John-Stewart G, Benki-Nugent S. Improved Neurodevelopment Following Antiretroviral Therapy in HIV-Infected Children. *Pediatr Infect Dis J*. 2018 Feb 12. doi:10.1097/INF.0000000000001942. [Epub ahead of print]

### Publications - Reviews and Editorials

1. **Obimbo EM**. Primary health care, selective or comprehensive, which way to go? Review. *East Afr Med J*. 2003 Jan;80(1):7-10.
2. **Obimbo EM**. Leptospirosis in Africa, an Occupational Hazard. *Medicom, African Journal of Medical Practice*. 2003
3. **Obimbo EM**. Emerging issues in measles. *East Afr Med J*. 2001 Jan;78(1):1-3.
4. **Elizabeth Maleche Obimbo**, Michael E Levin. Allergic Rhinitis and Asthma – Evidence for an Association. *Current Allergy & Clinical Immunology*. 2013 March;26(1):4-7.

### Publications - Books and Manuals

1. Elizabeth Maleche Obimbo. Chapter 16, HIV and AIDS, page 269 – 280. *Child Health – A Manual for Medical and Health Workers in Health Centres and Rural Hospitals*. Third Edition 2005. African Medical and Research Foundation, P.O. Box 27691 – 00506 Nairobi, Kenya.
2. EM Obimbo. Ch 5, Diagnosis of Tuberculosis in Children. *Guidelines for TB and Leprosy Control*. June 2009, pages 17 – 20. Division of Leprosy, TB & Lung Disease, P.O. Box 20781 Nairobi, Kenya
3. FE Onyango, EM Wafula and E Maleche Obimbo. Ch 9, Acute Respiratory Infections in Children. *Primary Health Care – A Manual for Medical Students and Other Health Workers*. Third Edition 2010. Four Thotle Technologies.
4. C.M Ndugwa, S. Wa Somwe, E.Maleche Obimbo, D. Wamalwa, Muluwork DT. Ch 10 Asthma in Children. *Primary Health Care – A Manual for Medical Students and Other Health Workers*. Third Edition 2010. Four Thotle Technologies.
5. Elizabeth Maleche Obimbo, Andrew Ndamira, Catherine Chunda. Ch 11 Tuberculosis in Children, *Primary Health Care – A Manual for Medical Students and Other Health Workers*. Third Edition 2010. Four Thotle Technologies.
6. Gabriel Anabwani, Israel Kalyesubula, Ruth Nduati, Catherine Chunda, Elizabeth Obimbo. Ch 13 HIV and AIDS in Children, *Primary Health Care – A Manual for Medical Students and Other Health Workers*. Third Edition 2010. Four Thotle Technologies.
7. *Tuberculosis Management in Children*. 1<sup>st</sup> edition 2011. Division of Leprosy, TB & Lung Disease, Kenyan Ministry of Public Health and Sanitation, P.O. Box 20781 Nairobi, Kenya

8. Desk-guide for diagnosis and management of TB in children. Co-author. 1<sup>st</sup> Edition, 2011. International Union against Tuberculosis and Lung Disease (The Union). 68 Boulevard Saint-Michel, 75006 Paris, France.
9. E Maleche Obimbo, DC Wamalwa, JK Muthia, I Inwani. Ch 10 Care of adolescents living with HIV/AIDS, Ch 11 Overview of HIV in children, Ch 12 Initiating antiretroviral therapy in children, Ch 13 Monitoring and substituting ART in children, Ch 14 Antiretroviral treatment failure in children. Antiretroviral Therapy in Children, Guidelines for Antiretroviral Drug Therapy in Kenya, pages 99 – 138, Fourth edition 2011. National AIDS & STI Control Programme, P.O. Box 19361 Nairobi, Kenya.
10. Guidelines for Asthma Management in Kenya. Co-author, 1<sup>st</sup> Edition, January 2011. Division of Leprosy, Tuberculosis and Lung Disease, Ministry of Public Health and Sanitation Kenya. P.O.Box 20781 Nairobi, Kenya
11. Tuberculosis Management in Children. 2<sup>nd</sup> edition 2013. Division of Leprosy, TB & Lung Disease, Kenyan Ministry of Public Health and Sanitation, P.O. Box 20781 Nairobi, Kenya
12. Tuberculosis Management in Children. 3<sup>rd</sup> edition 2016. Division of Leprosy, TB & Lung Disease, Kenyan Ministry of Public Health and Sanitation, P.O. Box 20781 Nairobi, Kenya.

## **MASTERS IN MEDICINE (PAEDIATRICS) POSTGRADUATE STUDENTS SUPERVISED**

### **Completed MMed Thesis University of Nairobi, Dept of Paediatrics & Child Health**

1. Kipmutai Robert L, University of Nairobi, 1999  
Estimating the level of malaria transmission in Nairobi amongst the paediatric age group.
2. Gisore Peter, University of Nairobi, 2000  
Injection practices in Nairobi City Council Health Centres.
3. Mokaya Nyandiko, University of Nairobi, 2000  
Deteriorating nutritional status of patients admitted to Kenyatta National Hospital: Magnitude and consequences.
4. Okwara Florence, University of Nairobi, 2001  
The association between bacteremia and urinary tract infections and malarial infection in children admitted to Kenyatta National Hospital.
5. Muruthi Patricia N, University of Nairobi, 2003  
Measles revisited: Risk factors associated with increased measles cases in Kenyatta National Hospital
6. Waris Adil, University of Nairobi, 2003  
To compare serum alkaline phosphatase levels in children with and without vitamin D deficiency at Kenyatta National Hospital.
7. Maigua Anne, University of Nairobi, 2004  
Missed opportunities for nutritional intervention in children presenting with pneumonia and malnutrition to Kenyatta National Hospital
8. Mandi Polycarp, University of Nairobi, 2005  
Prevalence of Cryptosporidium infection among children presenting with persistent diarrhea at Kenyatta National Hospital
9. Twahir Hemed. University of Nairobi, 2005  
Prevalence of influenza virus infection among children presenting to Kenyatta National Hospital with acute asthma exacerbation
10. Galgalo David, University of Nairobi, 2006  
Prevalence of renal disease among HIV infected children at Kenyatta National Hospital



11. Githinji Leah, Nyawira. University of Nairobi, 2007  
Utility of Total Lymphocyte Count as a Surrogate Marker for CD4 Cell Count in HIV-infected Children.
12. Mutai Beatrice, University of Nairobi, 2008.  
An evaluation of the utility of the "Integrated Management of Childhood Illness" (IMCI) Algorithm among children aged less than five years admitted at Mbagathi District Hospital
13. Ngeta Claire, University of Nairobi, 2008.  
Prevalence of Use of Controller Medication Among Asthmatic Children in Kenyatta National Hospital
14. Muiva Juliana, University of Nairobi, 2009  
Prevalence of Tuberculosis Infection in Children Living with adults with Sputum Smear Positive Tuberculosis
15. Sang Annette, University of Nairobi, 2009  
The prevalence of viral lower respiratory tract infection in children under 5 years in Kenyatta National Hospital
16. Machira Ezekiel, University of Nairobi, 2010  
Assessment of correctness of inhalation technique among asthmatic children and their caretakers at the Kenyatta National Hospital.
17. Mugane Samson, University of Nairobi, 2010  
Hypoxaemia among Human Immunodeficiency Virus infected and uninfected children with severe or very severe pneumonia at Kenyatta National Hospital
18. Minnie W Kibore, University of Nairobi, 2010  
Prevalence of Human Immunodeficiency Virus infection among children under five years with severe or very severe pneumonia in Kenyatta National Hospital
19. Immaculate Mutisya Katei, University of Nairobi, 2010. Linkage to longterm care of newly diagnosed HIV infected and HIV exposed children at Kenyatta Hospital
20. Patrick Mburugu, University of Nairobi, 2011  
The spectrum and short-term outcome of home-based injuries among children presenting to Kenyatta National Hospital
21. Mary Inziani Muyeku Matilu, University of Nairobi, 2011  
Seroprevalence of Chikungunya, Yellow fever and West Nile Viruses in Children at the Alupe District Hospital in Western Kenya
22. Peter Kipkurui Mashep, University of Nairobi, 2011.  
Prevalence of Hyperlactatemia in children with HIV/AIDS on Nucleoside Reverse Transcriptase Inhibitor based highly active antiretroviral therapy at the Kenyatta national Hospital
23. Musila, P.M. University of Nairobi, 2011  
Appropriateness Of Drug Prescriptions Among Children On Treatment For Tuberculosis At Kenyatta National Hospital, Nairobi - Kenya.
24. Sam Oula. University of Nairobi, 2011.  
A study on the prevalence and pattern of herbal medicine use among children aged 0-12 years admitted to Kisii level 5 hospital.
25. Bill Kigathi, University of Nairobi 2012.  
Factors affecting levels of asthma control in patients presenting to Kenyatta National Hospital, Thika & Mbagathi District Hospitals.
26. John Kamenwa. University of Nairobi, 2013  
Knowledge and Practice of Health Care Workers in Kenyatta national Hospital as Regards Nutritional Status and Nutritional Needs of HIV infected Children.
27. Emily Kamau. University of Nairobi, 2013  
Effectiveness of PMTCT at Naivasha District Hospital: Outcomes of HIV exposed infants.

28. Catherine Mutinda. University of Nairobi, 2013.  
Adherence to the National Guidelines for Management of Children with Pneumonia at Garissa Provincial General Hospital.
29. Jane Mate. University of Nairobi, 2014.  
Prevalence and severity of Pain among Children admitted to Kenyatta National Hospital.
30. Rosemarie Gachie Lopokoiyot. University of Nairobi, University of Nairobi, 2014.  
Viral Aetiology of Severe Acute Respiratory Infection among Children under Five Years admitted to Kenyatta National Hospital.
31. Jackson Michuki Maina. University of Nairobi, 2014.  
Validity of the African respiratory index of severity (RISC) score to predict outcomes of lower respiratory tract infections at Kenyatta National Hospital.
32. Wakonyo Gicheru. University of Nairobi, 2014.  
Prevalence of Iron Deficiency and Iron Deficiency Anaemia in 6-59 Month-old Children with Pneumonia at Kenyatta National Hospital: A Comparison between Two Diagnostic Parameters.
33. Margaret Njoki Wainaina, University of Nairobi 2015.  
Prevalence of Acute Respiratory Distress syndrome and Acute Lung Injury among children hospitalised with severe acute respiratory infection in Kenyatta National Hospital.
34. Abenet Tassew Zewdie. University of Nairobi, 2015.  
Prevalence, Aetiology and Antimicrobial Susceptibility of Bacterial Neonatal Meningitis at Tikur Anbessa Specialized Hospital, Addis Ababa, Ethiopia.
35. Ambrose Agweyu. University of Nairobi 2015  
Mortality among children with Pneumonia at Seven Kenyan Hospitals
36. Yvonne Nyakeri. University of Nairobi 2015.  
Caregiver and health worker practices regarding oral zinc therapy for children presenting with acute diarrhea to Mbagathi District Hospital.
37. Peninah Muthoni Mwangi. University of Nairobi, 2016.  
Implementation of Isoniazid Preventive Therapy among HIV infected Children in three health facilities in Nairobi.
38. Jane Mwongeli Kimanathi. University of Nairobi, 2016.  
Level of adherence to antiretroviral therapy among HIV infected adolescents at Kangundo District Hospital.
39. Winnie Mueni Saumu. University of Nairobi, 2016.  
The magnitude and factors associated with loss to follow up among children attending HIV clinic at Kangundo level four Hospital.
40. Jeanne Wangeci Kinyua. University of Nairobi, 2017.  
Validation of the Kenyan National Algorithm for Diagnosis of Tuberculosis in Children.
41. Gurpreet Grewal. University of Nairobi, 2017.  
The Prevalence, Barriers and facilitators of the Transition process from Paediatric care to Adult care among Adolescents and Youth living with HIV at Kenyatta National Hospital
42. Esther Muthoni Ogola. University of Nairobi, 2017.  
Prevalence of active cytomegalovirus infection among high risk Kenyan infants.

#### **Completed MPH Thesis University of Nairobi, School of Public Health**

1. Ann Gatuguta. University of Nairobi 2010.  
Antiretroviral treatment adherence among adolescents at Kenyatta National Hospital.

### **Ongoing MMed Thesis University of Nairobi, Dept of Paediatrics & Child Health**

1. Tele Waki. University of Nairobi, ongoing.  
The short term outcome of children aged between 2 – 60 months with suspected or confirmed tuberculosis in Kenyatta National Hospital and Mbagathi District Hospital.
2. Cyriaque Mbarubukeye. University of Nairobi, Ongoing  
Incidence and risk factors associated with treatment failure in children infected with human immunodeficiency and receiving care at Mbagathi Hospital

### **Technical Expert Advisor - PhD Thesis**

1. Diana Marangu. University of Nairobi Institute of Tropical and Infectious Diseases, ongoing.  
Optimizing Tuberculosis Contact Investigation and Linkage to Care in Nairobi, Kenya: *TB KWISHA*

### **Ongoing Fellowship in Epidemiology Project Supervision**

1. Beatrice Mutai. University of Nairobi, Department of Paediatrics & Child Health  
Effect of enhanced counselling using food demonstrations and telephone messages on adherence to prescribed nutrition therapy among severely malnourished children aged 6 to 59 months discharged from an urban county hospital in Kenya: -an open label randomized controlled trial.  
*Scholar in "Partnership for Health Research Training" P-HERT Project*

### **Completed MPH Thesis University of Washington, Dept of Epidemiology**

Irene Inwani. Dept of Epidemiology, University of Washington. 2006.

Validation of World Health Organization presumptive diagnosis of HIV infection in HIV-1 exposed infants aged less than 18 months in Kenya.

Engi Attia. Dept of Pulmonology and Critical Care Medicine and Dept of Epidemiology, University of Washington 2015.

Airflow obstruction and Chronic Lung Disease Study in Nairobi.

### **Complete Dissertation Postgraduate Diploma in Biomedical Research Methodology, University of Nairobi**

Emily Wangui Kamau. School of Public Health, University of Nairobi, 2015.

Impact of Pre-conception Knowledge of Positive HIV Status on Uptake of PMTCT Interventions and Infant HIV free Survival.

### **CURRICULUM DEVELOPMENT**

2005 – biannual.	Comprehensive Paediatric HIV Management Course. University of Nairobi & NASCOP, Ministry of Health, Kenya, revised every 2 years (last revision 2016).
2006	Counselling and Psychosocial Care of the HIV infected Child. University of Nairobi & NASCOP, Ministry of Health, Kenya
2010	Management of Tuberculosis. University of Nairobi.

2010 - ongoing	Master of Medicine in Family Medicine Curriculum, University of Nairobi (Paediatric Sections)
2012	Management of Pediatric Tuberculosis. World Health Organisation and the International Union against TB and Lung Disease.
2012 - 13	Management of Pediatric Tuberculosis. DLTD, Ministry of Public Health and Sanitation, Kenya
2013	Emergency Triage and Treatment Plus – Distance Learning Curriculum. Ministry of Health, PACE Project, University of Nairobi & Kenya Paediatric Association.
2013, 2017	Advanced HIV Clinical Care Course. Modules on Respiratory Diseases and Childhood Tuberculosis in HIV. University of Nairobi, PACE Project, updated 2017.
2014	Review of Master of Medicine in Paediatrics & Child Health Curriculum, University of Nairobi
2014 – 2017	Fellowship in Paediatric Emergency and Critical Care, University of Nairobi, Senate approved 2017.
2016 – 2017	Fellowship in Paediatric Nephrology, University of Nairobi Senate approved 2017.

### SCIENTIFIC CONFERENCES - SCIENTIFIC RESEARCH PAPERS PRESENTED

1. Obimbo E, Mbori-Ngacha D, Nduati R, Ochieng J, Kreiss J, John G. Correlates of mortality in African infants with Vertically Acquired Human Immunodeficiency-1 Virus Infection. Abstract number 445. 3<sup>rd</sup> Global Strategies for Prevention of Mother to Child Transmission of HIV-1 Infection, September 2001, Kampala, Uganda.
2. Obimbo E, Mbori-Ngacha D, Otieno P, Bosire R, Ochieng J, Farquhar C, Kreiss J, John-Stewart G. Pediatric HIV-1 in Kenya: Predictors of early mortality. Abstract number: ThPeB7219. XIV International AIDS Conference, Barcelona July 7-12, 2002.
3. Slyker JA, Lohman BL, Rowland-Jones S, Richardson B, Mbori-Ngacha D, Obimbo E, Bwayo JJ, John-Stewart G. Vaccinia virus stimulated ELISPOT assays in HIV-1 exposed infants. Abstract number A10084. XIV International AIDS Conference, Barcelona July 7-12, 2002.
4. Obimbo E, Mbori-Ngacha D, Otieno P, Isavwa A, Wamalwa D, Farquhar C, Bosire R, Lohman B, Richardson B, John-Stewart G. Pattern and Correlates of Viral Load in Kenyan HIV-1 infected Children. Abstract number 30. 2<sup>nd</sup> International Aids Society Conference on HIV Pathogenesis and Treatment, Paris, July 13-16<sup>th</sup> 2003.
5. Obimbo E, Mbori-Ngacha D, Overbaugh J, Emery S, Otieno P, Wamalwa D, Gichuhi C, Wariua G, Bosire R, Lohman B, John-Stewart G. Maternal and infant viral load impact disease progression in HIV-1 infected African infants. Abstract number TuOrB1187. XV International AIDS Society Conference, Bangkok, Thailand, July 10-16<sup>th</sup> 2004.
6. Wariua G, Obimbo E, Mbori-Ngacha D, Wamalwa D, Otieno P, Farquhar C, Gichuhi C, Bosire R, John-Stewart G. Correlates of prolonged breastfeeding among HIV-1 infected women. Abstract no. B12032 International Conf AIDS Conference, Bangkok, Thailand, Jul 10-16 2004
7. C Farquhar, Mbori-Ngacha, Harris J, Wamalwa D, Bosire R, Redman M, Obimbo E, Gichuhi C, Overbaugh J, John-Stewart G. Illness during pregnancy is associated with in utero human immunodeficiency virus type-1 (HIV-1) transmission. Abstract no. THACO102, XVI International AIDS Conference, Toronto, Canada, Aug 13 -18 2006

8. D. Wamalwa 1 , C. Farquhar 2 , E. Obimbo 1 , D. Mbori-Ngacha 1 , B. Richardson. Adherence and early response to Highly active antiretroviral therapy in Kenyan children. XVI International AIDS Conference, Toronto, Canada, Aug 13 -18 2006.
9. Inwani I, Mbori-Ngacha D, Nduati R, Obimbo E, Wamalwa D, John-Stewart G, Farquhar C. Validation of clinical algorithms for diagnosis of HIV-1 infection and initiation of antiretroviral therapy in children aged less than 18 months in Kenya. Abstract no. TUPEB124 XVII International AIDS Conference, Sydney, Australia, July 22-26 2007
10. Githinji L, Mbori-Ngacha D, Obimbo E. Utility of Total Lymphocyte Count as a Surrogate Marker for CD4 Cell Count in HIV-infected Children. Abstract No. 609, 15<sup>th</sup> Conference on Retroviruses and Opportunistic Infections, Boston, USA, February 3-6, 2008
11. B Lohman, S Jannalagadda, E Brown, D Wamalwa, E Maleche Obimbo, M Majiwa, C Farquhar, P Otieno, D Mbori-Ngacha, G John-Stewart. Positive TB IGRA reactivity in immunosuppressed HIV-1 infected women is associated with active TB or mortality in their infants. Keystone Symposium, October 20-25<sup>th</sup> 2009, Arusha, Tanzania.
12. B. Lohman-Payne 1 , J. Slyker 2 , S. Moore 1 , E. Maleche-Obimbo 3 , D. Wamalwa 3 , B. Richardson. Breastmilk cellular HIV-1 specific interferon-gamma responses are associated with protection against mother to child transmission. International AIDS Society Conference, Rome, Italy, 2011.
13. Chohan B, Tapia K, Benki-Nugent S, Nga'yo M, Khasimwa B, Lehman D, Obimbo EM, Wamalwa D, Overbaugh J, John-Stewart G. Nevirapine (NVP) Resistance in NVP-unexposed HIV-1 infected Infants initiating NVP-Based ART in Nairobi, Kenya. PACE HIV Symposium, University of Nairobi, June 14-15<sup>th</sup> 2012.
14. Dalton Wamalwa, Dara A Lehman, Sarah benki-Nugent, Melanie Gasper, Richard Gichohi, Elizabeth Maleche-Obimbo, Carey Farquhar, Grace John-Stewart, Julie Overbaugh. Long-term Virologic Response and Genotypic Resistance Mutations in HIV-1 infected Kenyan Children on Combination Antiretroviral Therapy. PACE HIV Symposium, University of Nairobi, June 14-15<sup>th</sup> 2012.
15. Gatimu J, Obimbo EM, Wamalwa DC, Chohan B. Haematological profiles of HIV-infected children receiving ART over a 3 year period in Kenyatta National Hospital. STD/AIDS Collaborative Research Group Annual Review Meeting. Southern Sun Mayfair Hotel, Jan 21-25<sup>th</sup> 2013, Nairobi.
16. Otieno V, Wamalwa D, Obimbo EM, Chohan B. Predictors elevated alanine transaminase (ALT) in HIV-1 infected children on ART in Nairobi. STD/AIDS Collaborative Research Group Annual Review Meeting. Southern Sun Mayfair Hotel, Jan 21-25<sup>th</sup> 2013, Nairobi.
17. Laura P Newman, Anne Njoroge, Leila Ben-Youssef, Michele Merkel, Ann Gatuguta, Quy Ton, Dalton Wamalwa, Barbara Lohman-Payne, Elizabeth Maleche-Obimbo, Barbra A Richardson, Carey Farquhar. Prevalence and Correlates of Protective Measles Antibody in HIV-infected Kenyan Children on HAART. STD/AIDS Collaborative Research Group Annual Review Meeting. Southern Sun Mayfair Hotel, Jan 21-25<sup>th</sup> 2013, Nairobi.
18. Emily Kamau, EM Obimbo. Effectiveness of PMTCT at Naivasha District Hospital: Outcomes of HIV exposed infants. Abstract 26. University of Nairobi College of Health Sciences / Kenyatta National Hospital Scientific Conference June 19-21<sup>st</sup> 2013
19. C Mutinda, EM Obimbo. Adherence to the National Guidelines for Management of Children with Pneumonia at Garissa Provincial General Hospital. Abstract 63. University of Nairobi College of Health Sciences / Kenyatta National Hospital Scientific Conference June 19-21<sup>st</sup> 2013
20. J Kinuthia, EM Obimbo. Developing Maternal, Newborn and Child Health Capacity in Implementation Science, Leadership and Management through Training. Abstract 81. University of Nairobi College of Health Sciences / Kenyatta National Hospital Scientific Conference June 19-21<sup>st</sup> 2013

21. DC Wamalwa, EM Obimbo. Strengthening Maternal, Neonatal and Child Health Implementation Science Research in Non-Tertiary Health Facilities in Kenya. Abstract 88. University of Nairobi College of Health Sciences / Kenyatta National Hospital Scientific Conference June 19-21<sup>st</sup> 2013
22. J Oliwa, R Oberhelman, D Wamalwa, P Ayieko, D Marangu, J Oyugi, E Obimbo. Determining the capability of sputum collection through induction for the diagnosis of tuberculosis in children in Kenya. Abstract PD-534-30, 45th Union World Conference on Lung Health, October 28<sup>th</sup> – November 1<sup>st</sup> 2014, Barcelona, Spain.
23. E Obimbo, D Marangu, P Ayieko, J Oyugi, J Oliwa, D Wamalwa, R Oberhelman. Utility of Microscope Observation-Direct Susceptibility (MODS) Sputum Culture & PCR (Xpert®MTB/RIF) in detection of M. Tuberculosis in Kenyan children. Abstract PD-535-30, 45th Union World Conference on Lung Health, October 28<sup>th</sup> – November 1<sup>st</sup> 2014, Barcelona, Spain.
24. A Agweyu, D Gathara, J Oliwa, N Muinga, T Edwards, E Allen, E Obimbo, M English. Oral amoxicillin versus benzyl penicillin for severe childhood pneumonia among Kenyan children: a randomised controlled non-inferiority trial. Abstract OPP-436-01, 45th Union World Conference on Lung Health, October 28<sup>th</sup> – November 1<sup>st</sup> 2014, Barcelona, Spain
25. Anjuli Wagner, Sarah Benki-Nugent, Jennifer Slyker, Grace John-Stewart, Lisa Cranmer, Irene Njuguna, Vincent Otieno, Judy Adhiambo, Elizabeth Maleche-Obimbo, Dalton Wamalwa. System Gaps Result in Late Diagnosis and Treatment of Children With HIV in Hospital. Abstract No. 911, Conference on Retroviruses and Opportunistic Infections, Seattle, USA, February 23-26, 2015.
26. Engi Attia, Nelly Yatich, Kristina Crothers, Michael Chung, Elizabeth Maleche-Obimbo, Lillian Ndukwe, Julia Njoroge, Sameh Sakr, Neveen El Antouny, Fr. Mena Attwa. Risk Factors for Airflow Obstruction Among HIV+ Individuals in Nairobi, Kenya. Abstract No. 800, Conference on Retroviruses and Opportunistic Infections, Seattle, USA, February 23-26, 2015.
27. Laura Newman, Anne Njoroge, Bhavna Chohan, Amalia Magaret, Jonathan Gorstein, Carey Farquhar, Julie Overbaugh, Dalton Wamalwa, Elizabeth Obimbo, Ruth Nduati. Sustained Responses to Measles Revaccination in HIV-Infected Children on ART in Kenya. Abstract No. 945, Conference on Retroviruses and Opportunistic Infections, Seattle, USA, February 23-26, 2015.
28. Pavlinac PB, Cranmer LM, Njuguna I, Otieno V, Maleche-Obimbo E, Gatimu J, Oyugi J, Walson JL, Wamalwa D, John-Stewart GC. Stool Xpert MTB/RIF and urine LAM for diagnosing TB in HIV-infected Kenyan children. Abstract No. 748, Conference on Retroviruses and Opportunistic Infections, Boston, USA. March 2016.
29. Irene Njuguna\*, Lisa Cranmer\*, Vincent Otieno, Helen Okinyi, Sarah Benki-Nugent, Joshua Stern, Ken Tapia, Elizabeth Maleche-Obimbo, Dalton Wamalwa, Grace John-Stewart. Pediatric Urgent Start of HAART: a randomized trial. Conference on Retroviruses and Opportunistic Infections, Boston, USA. March 2016.
30. Helen Moraa Okinyi Geetha Sridharan, Grace John-Stewart, Dalton Wamalwa, Ken Tapia, Elizabeth Maleche-Obimbo, Catherine Karr, Sarah Benki-Nugent. High pre-ART viremia and wasting are associated with pneumonia in early treated HIV-infected Kenyan infants. Pan African Thoracic Society International Congress. April 9 – 12<sup>th</sup> 2016, Safaripark Hotel, Nairobi.
31. Marangu D, Mwaniki H, Nduku S, Maleche-Obimbo E, Jaoko W, Babigumira J, John-Stewart G, Rao D. Adapting the Stigma Scale for Chronic Illness for English/Swahili Speaking Patients with Tuberculosis in Nairobi, Kenya. American Thoracic Society Congress, San Francisco, USA, May 2016
32. Benki-Nugent S, Wamalwa D, Laboso T, Tamasha N, Otieno M, Bangirana P, Njuguna I, Tapia K, Richardson B, Maleche-Obimbo E, Boivin MJ, Semrud-Clikeman M, John-Stewart G. HIV-infected children who initiated ART during infancy (early ART) have improved neurocognitive outcomes

- compared with late-treated children. International AIDS Society Congress, Durban, South Africa, July 2016.
33. A Wagner, I Njuguna, R Asiko, Andere, L Cranmer, H Okinyi, S Benki-Nugent, E Maleche-Obimbo, D Wamalwa, G John-Stewart. WHO HIV testing algorithm fails to identify substantial proportion of infants with HIV infection. International AIDS Society Congress, Durban, South Africa, July 2016.
  34. Mark D. Pankau, Dalton Wamalwa, Sarah Benki-Nugent, Agnes Langat, Ken Tapia, Elizabeth Maleche-Obimbo, Julie Overbaugh, Grace John-Stewart, Dara Lehman. HIV reservoir size is not increased by short ART interruption in Kenyan infants. Abstract No. 796. Conference on Retroviruses and Opportunistic Infections (CROI). Seattle, USA, February 13 – 16th 2017.
  35. Irene N. Njuguna, Anjuli D. Wagner, Vincent O. Omondi, Verlinda A. Otieno, Jillian Neary, Rose Bosire, Joseph B. Babigumira, Carol Levin, Elizabeth Maleche-Obimbo, Dalton C. Wamalwa, Grace John-Stewart, Jennifer Slyker. Effect of financial incentives on uptake of pediatric HIV testing in Kenya: A pilot randomized trial. TUPED1333 POSTER #27. International AIDS Society Congress, Paris, 23 – 26 July 2017.
  36. Engi F. Attia, Elizabeth Maleche Obimbo, Diana Zhong, T. Eoin West, Anthony Cagle, Catherine Kiptinness, Christine J. McGrath, Sameh Sakr, Christine Njiru, Gregory Kicska, Kristina Crothers\*, Michael Chung\*. High Prevalence but Low Correlation of Spirometric and Chest CT Abnormalities Among HIV+ Adolescents In Nairobi, Kenya. No. 67 International AIDS Society Congress, Paris, 23 – 26 July 2017.
  37. S M LaCourse, L M Cranmer, I N Njuguna, J Gatimu, E Maleche-Obimbo, D Wamalwa, G John-Stewart, P Pavlinac. Urine LF-LAM positivity predicts mortality in hospitalized HIV-infected children. Short Oral Abstract SOA-352-12. 48th World Conference on Lung Health of the International Union Against Tuberculosis and Lung Disease (The Union). Guadalajara, Mexico 11–14 October 2017
  38. R K Choudhary,<sup>1</sup> K M Wall,<sup>2</sup> P Pavlinac<sup>3,4</sup>, I Njuguna,<sup>5</sup> E Maleche-Obimbo,<sup>5</sup> D Wamalwa,<sup>5</sup> G John-Stewart<sup>3,4,6</sup>, L M Cranmer<sup>1</sup>. Monocyte-to-lymphocyte ratio is associated with confirmed TB disease and declines with anti-tuberculosis treatment in HIV-infected children . Short Oral Abstract SOA-359-12. 48th World Conference on Lung Health of the International Union Against Tuberculosis and Lung Disease (The Union). Guadalajara, Mexico 11–14 October 2017
  39. S Benki-Nugent,<sup>1</sup> H Moraa,<sup>2</sup> D Wamalwa,<sup>2</sup> L A Gómez,<sup>1</sup> E Maleche-Obimbo,<sup>2</sup> S Rylance,<sup>3</sup> R A Ferrand,<sup>4</sup> G John-Stewart<sup>1</sup>. OA-158-13 HIV-infected children with antiretroviral therapy from infancy have lung function comparable to population norms. 48th World Conference on Lung Health of the International Union Against Tuberculosis and Lung Disease (The Union). Guadalajara, Mexico 11–14 October 2017.

## SCIENTIFIC CONFERENCES, SYMPOSIA & WORKSHOPS - INVITED SPEAKER

1. Obimbo EM. The Role of Medical Personnel in Management of Abused and Neglected Children. Kenya Paediatric Association Annual Scientific Conference, August 1999 Nakuru.
2. Obimbo EM. Successful Breastfeeding, Kenya Paediatric Association Annual Scientific Conference, August 1999 Nakuru
3. 28<sup>th</sup> Annual Global Health Council Conference, Invited speaker “Cross-fire Debate: “Should infant formula be resurrected?”, Washington DC, USA, 2001.
4. Kenya Pediatric Association, launch of measles eradication campaign. Invited speaker “An update on measles”, Nairobi, May 2002

5. Kenya Association of Physicians, Invited speaker, "Antiretroviral therapy in Pediatric HIV/AIDS". Nairobi, May 2003
6. Kenya Pediatric Association Annual Scientific Conference, Invited speaker "Pediatric HIV: Diagnosis, Classification and preparation for antiretroviral therapy". Mombasa, 2003.
7. Kenya Pediatric Association in conjunction with AVENTIS Pasteur, Invited speaker "Current perspectives on Polio eradication". Nairobi, October 2003. Treating Asthma in Sub-Saharan Africa (TASS) Meeting – "Pharmacologic Management of Asthma in Children". Norfolk Hotel, Nairobi, Kenya. August 2006
8. Symposium on Management of Asthma in Paediatrics, Panafric Hotel, Nairobi, July 7<sup>th</sup> 2007. Invited speaker "Longterm management of asthma in children"
9. "Treatment of Tuberculosis in Children". Symposium on Tuberculosis in Children. Kenya Paediatric Association, Pan Afric Hotel, Nairobi, October 2007
10. "Tuberculosis in HIV infected Children – Kenya". Africa Network for the Care of Children with AIDS (ANECCA) Regional Technical Forum on Paediatric HIV. March 4 – 6, 2008, Entebbe, Uganda.
11. "Improving Diagnosis of Children with Tuberculosis". Technical Regional Meeting, Division of Tuberculosis and Lung Diseases, Ministry of Health, May 2008, Mombasa.
12. "HIV and the Heart". Kenya Cardiac Society Annual Scientific Conference, May 2008, Nairobi.
13. "Update on HIV in Children". Kenya Paediatric Association Annual Scientific Conference. April 23<sup>rd</sup> 2009, Mombasa.
14. Symposium on Respiratory Problems in Children – "Clinical Presentation and Diagnosis of Tuberculosis in Children". KPA Symposium, 22<sup>nd</sup> Janary 2010, Nairobi.
15. "Update of HIV in Children and Scientific background for revised guidelines on Pediatric HIV". Kenya National AIDS Control Program, Panafric Hotel, April 23<sup>rd</sup> 2010
16. "Third line antiretroviral regimens in Children". NASCOP technical policy meeting, Panafric Hotel, May 6<sup>th</sup> 2010.
17. "Respiratory Disease, Tuberculosis and HIV in African Children". International Congress on Paediatric Pulmonology. June 24<sup>th</sup> 2011. Versailles, France.
18. "Unresponsive Wheezing – Paediatric Case", Combined Critical Care and South African Thoracic Society Conference (COPICON), Durban South Africa, July 28-31<sup>st</sup> 2011.
19. "Pediatric HIV Management in Resource Limited Settings". Abbott Continuing Medical Education Forum, April 9<sup>th</sup> 2011, Nairobi.
20. "Asthma in Children, Best Practices". Kenya Association for the Prevention of Tuberculosis and Lung Diseases Continuing Medical Education Forum. February 2012, Nairobi.
21. "Treatment of Opportunistic Infections and other complications of HIV in Children. Tr@inforPaedHIV course, Hilton Hotel, Nairobi. 24<sup>th</sup> – 25<sup>th</sup> September 2012. Role: Invited speaker, and session facilitator.
22. "Transitioning Antiretroviral Therapy in Children". Kenya Paediatric Association Annual Scientific Conference. April 19<sup>th</sup> 2012, Mombasa.
23. "Acute Asthma in Children: Getting it Right". Nairobi Hospital Continuing Medical Education Forum, May 16<sup>th</sup>, 2012 Nairobi.
24. "Tuberculosis in Children, what do we know?" National AIDS Control Program & University of Maryland Baltimore Continuing Medical Education Forum, May 18<sup>th</sup> 2012, Nairobi.
25. "Tuberculosis and HIV in Children". University of Nairobi Program for Advanced Clinical Education (PACE) HIV Symposium. June 14-15<sup>th</sup> 2012. Nairobi.
26. TB and HIV in Children; What do we know? NASCOP Annual Stakeholders Forum. May 17<sup>th</sup> 2012, Nairobi
27. Acute Asthma in Children. Nairobi Hospital Continuing Medical Education Series. May 16<sup>th</sup> 2012, Nairobi Hospital, Nairobi.



28. E Maleche Obimbo. Paediatric HIV in Kenya, ART Treatment Failure and Resistance. MSD Paediatric Antiretroviral Treatment Failure in Children, a Consultative Meeting, November 3<sup>rd</sup> 2012, Serena Hotel, Nairobi.
29. EM Obimbo. Prevention of Horizontal HIV Transmission in children. Paediatric AIDS Treatment for Africa (PATA) Kenya Regional Technical Forum, Gertrudes Childrens Hospital, Nairobi. Feb 4-6<sup>th</sup> 2013.
30. TB in Children: an update. Infectious Disease Symposium, Kenya Paediatric Association, February 15<sup>th</sup> 2013, Nairobi.
31. E Maleche Obimbo. Acute Asthma in Children: Getting it Right! Kenya Paediatric Association Critical Care Symposium, April 17<sup>th</sup> 2013, Mombasa, Kenya.
32. E Maleche Obimbo. Prevention of Horizontal HIV Transmission in Children. Kenya Paediatric Association Annual Scientific Conference, April 18 – 21<sup>st</sup> 2013, Mombasa, Kenya
33. MSD Expert Input Forum: Implementation of Routine VL Monitoring Management of Pediatric HIV Therapy in Treatment Experienced Patients. Nairobi, Kenya, Tribe Hotel. 7 September 2013
34. E Maleche Obimbo. Optimizing Pneumonia Outcomes in Children. Kenya National Lung Conference, Kenyatta International Conference Centre. October 2-5 2013.
35. EM Obimbo. A simplified approach to diagnosis of tuberculosis in children. Paediatric AIDS Treatment for Africa (PATA) East Africa Regional Technical Forum, Dar es Salaam Nov 12-15<sup>th</sup> 2013.
36. Update on TB in children: Paediatric AIDS Treatment for Africa (PATA) East Africa Regional Technical Forum. Whitesands Lodge, Dar es Salaam, February 2014
37. Current challenges of Pediatric HIV Care – What is Happening in the Countries? 8<sup>th</sup> INTEREST Workshop; Janssen Paediatric HIV Satellite Symposium. 5 - 8<sup>th</sup> May 2014, Lusaka, Zambia
38. She had us stumped! Challenging respiratory case discussion. International Congress of Tropical Paediatrics. Kenyatta International Conference Centre, Nairobi. 24 – 28<sup>th</sup> August 2014.
39. Optimising Pneumonia Outcomes in African Children. October 21<sup>st</sup> 2014, Department of Global Health, University of Washington, Seattle, Washington.
40. Scaling up Child Tuberculosis Activities: the Kenyan Experience. Annual Meeting of the World Health Organisation Child TB Subgroup, October 27<sup>th</sup> 2014, Barcelona, Spain.
41. TB Preventative and Therapeutic Strategies in African Children: What is New? Pan African Thoracic Society International Congress. April 9 – 12<sup>th</sup> 2016, Safaripark Hotel, Nairobi.
42. A holistic approach to prevention of childhood pneumonia in Africa. Pan African Thoracic Society International Congress. April 9 – 12<sup>th</sup> 2016, Safaripark Hotel, Nairobi.
43. Clinical Protocols – ASAP. Africa Severe Asthma Program Workshop. July 6 – 9<sup>th</sup> 2016, Kampala, Uganda.
44. Treatment of Newborns and Infants Living with HIV. Symposium - The First Age: Infants on the World Stage. Conference on Retroviruses and Opportunistic Infections (CROI). Seattle, USA, February 13 – 16<sup>th</sup> 2017.
45. Antiretroviral Therapy in Infants Living with HIV. Regional World Health Organisation Workshop for the African Region. Innovating and strengthening the Post-Natal package of HIV services: HIV services for the first two years of life. June 20-23 2017. Johannesburg, South Africa.

46. WHO Initiative for Vaccine Research & Global Tuberculosis Program Consultation on Tuberculosis Vaccine Research and Development. 3-4 October 2017, WHO headquarters, Geneva, Switzerland.
47. Classification and Treatment of Acute Asthma Exacerbation in Children. Symposium on Allergy and Asthma. June 16<sup>th</sup> 2017. Gertrude's Childrens Hospital, Nairobi. November 25<sup>th</sup> 2017, Bomu Hotel, Eldoret, Kenya.
48. Asthma in Children. Continuous Medical Education Lecture, February 16<sup>th</sup> 2018, Forces Memorial Hospital, Nairobi, Kenya.

### **Other Conferences & Symposia - Organisation, Coordination, Chairing, Facilitation**

1. Paediatric AIDS Treatment for Africa Technical Forum (PATA), November 2006, Nairobi, Kenya. Role: Coordinator and Host.
2. Paediatric AIDS Treatment for Africa (PATA) Annual Technical Forum. November 2007, Swaziland. Role: Organisation & Facilitator
3. Kenya Paediatric Association Annual Scientific Conference. August 2008, April 2009, April 2010. Mombasa, Kenya. Role: Chair of Scientific Committee
4. Paediatric AIDS Treatment for Africa (PATA). November 2008. Kigali, Rwanda. Role: Facilitator
5. Paediatric AIDS Treatment for Africa Technical Forum (PATA), November 2009, Kampala, Uganda. Role: Organisation & Facilitator
6. Kenya Paediatric Association Annual Scientific Conference. April 2012. Mombasa, Kenya. Role: Convener and coordinator of Pre-Congress One Day Workshop on "Respiratory Medicine in Children; let the Children Breathe"
7. University of Nairobi PACE HIV Symposium, "The Role of Training and Research in Health Service Delivery: Lessons learnt from the HIV Epidemic." University of Nairobi College of Health Sciences. June 14-15<sup>th</sup> 2012, Nairobi Kenya. Role: Coordination of Paediatric Sessions & Chief Rapporteur
8. Paediatric AIDS Treatment for Africa (PATA) Kenya Regional Technical Forum, Gertrudes Childrens Hospital, Nairobi. Feb 4-6<sup>th</sup> 2013. Role: Organisation & Presenter
9. Kenya Paediatric Association Annual Scientific Conference. April 2013. Mombasa, Kenya. Role: Coordinator of Session on Pediatric HIV.
10. Paediatric AIDS Treatment for Africa (PATA) East Africa Regional Technical Forum, Whitesands Lodge, Dar es Salaam. Nov 2013. Role: Organisation and Presenter.
11. Pre-congress Symposium on Childhood Tuberculosis. International Congress of Tropical Paediatrics. Kenyatta International Conference Centre, Nairobi. 24 – 28<sup>th</sup> August 2014. Convener and Chair.
12. International Workshop on Asthma and Allergy. Paediatric Training Centre, University of Nairobi, Nairobi. Kenya. January 19 – 23 2015. Workshop Director.
13. Pan African Thoracic Society Congress. Safari Park Hotel, Nairobi. April 16 – 19 2015. Paediatric Advisor, Scientific Committee.
14. Review Workshop of Guideline on use of ARVs for HIV Prevention and Treatment 16<sup>th</sup> – 18<sup>th</sup> May 2016 Lake Nakuru Lodge, Kenya
15. Paediatric TB Document Review – Provide leadership and technical guidance in the review of the National Paediatric TB guidelines of the National TB Program 8<sup>th</sup> – 12<sup>th</sup> August 2016, Naivasha Kenya
16. Trainers meeting in preparation for National Advanced HIV clinical course 1<sup>st</sup> September, 2016 UON
17. National Advanced HIV Clinical Course Trainers' Workshop (stakeholder) 3<sup>rd</sup> – 5<sup>th</sup> May 2017 NASCOP

## Other Conferences & Symposia Attendance

1. 14<sup>th</sup> Conference on Retroviral Diseases and Opportunistic Infections (CROI). February 25<sup>th</sup> – 28<sup>th</sup> 2007. Los Angeles, USA
2. International Pediatric Congress, August 25<sup>th</sup> - 30<sup>th</sup> 2007. Athens, Greece
3. 15<sup>th</sup> Conference on Retroviral Diseases and Opportunistic Infections (CROI). February 2008. Boston, USA
4. Symposium on Emergency Paediatrics, Kenya Paediatric Association, June 19<sup>th</sup> 2009, Nairobi Hospital, Nairobi.
5. 16<sup>th</sup> Conference on Retroviruses and Opportunistic Infections (CROI) - February 8-11<sup>th</sup> 2009 Montreal, Canada.
6. 17<sup>th</sup> Conference on Retroviral Diseases and Opportunistic Infections (CROI). February 16<sup>th</sup> – 19<sup>th</sup> 2010, San Francisco, USA
7. 2<sup>nd</sup> International Workshop on HIV Paediatrics, July 16<sup>th</sup> – 17<sup>th</sup> 2010, Vienna, Austria.
8. International AIDS Society Conference, July 18<sup>th</sup> – 23<sup>rd</sup> 2010, Vienna, Austria.
9. Prevenar 13 Paediatric Forum. George, South Africa, June 17-18<sup>th</sup> 2011.
10. 45<sup>th</sup> Union World Conference on Lung Health, October 28<sup>th</sup> – November 1<sup>st</sup> 2014, Barcelona, Spain.
11. Here be Lungs. Stellenbosch, South Africa, March 19-20<sup>th</sup>, 2015.
12. European Respiratory Society Congress. Amsterdam, The Netherlands. October 24 – 29 2015.
13. 39<sup>th</sup> Annual University of Cape Town Paediatric Refresher Course. Cape Town, South Africa. 9 – 12<sup>th</sup> Feb 2016.
14. International AIDS Society Conference, July 18<sup>th</sup> – 23<sup>rd</sup> 2016, Durban, South Africa.
15. Annual meeting of the WHO Childhood TB working group 24 – 31 October 2016, Liverpool, UK.
16. World TB day 2017 commemoration and dissemination of TB prevalence survey 2016 findings. 24<sup>th</sup> March 2017 Sarova PanAfric Hotel.
17. Annual meeting of the WHO Childhood TB working group 8<sup>th</sup> October 2016, Kigali, Rwanda.

## TRAINING / FACILITATION SHORT COURSES

1998-1999	Trainer, Professional workshops for Health Personnel on Child rights and child protection in Kenya. Coalition on child rights and child protection in Kenya.
1996 - 2002	Faculty, University of Nairobi/Kenyatta National Hospital Lactation Management Center
2000 - 2006	Facilitator/Trainer, Kenya Prevention of Mother to Child HIV-1 Transmission Project.
2005 to date	Trainer, National Training Course on Comprehensive Management of Paediatric HIV
2006 to date	Trainer, National Training Course on Counselling and Psychosocial Care of the HIV infected Child
2011 to date	Facilitator, Course on Prevention and Management of Tuberculosis, University of Nairobi.
2012	WHO Child Tuberculosis and National TB Program Trainer of Trainers Course. Stellenbosch, South Africa. May 1-5 <sup>th</sup> 2012. Role: Facilitator
2013 to date	Facilitator, National Course on Childhood Tuberculosis.
2013 to date	Facilitator, Advanced HIV Clinical Care Course. University of Nairobi, PACE Project

2015 to date International Course on Asthma and Allergy. University of Nairobi in collaboration with the International Asthma Association & Kenya Paediatric Association.

## **COMMUNITY INVOLVEMENT**

*2002 to date Christian Discipleship Leader Nairobi Chapel.*

This involves leading and hosting a group of 8 – 10 adults from our neighborhood in our home, and systematically studying the Bible together.

*2009 to date Twakutukuza Choir*

This choir raises funds annually through a gospel concert performed during the Breast Cancer awareness month of October. I sing soprano in this choir to support their cause of raising funds to provide chemotherapy to women living with breast cancer in Kenya.

*2012 to date Executive Board Member - Beacon of Hope*

Beacon of Hope is a non-governmental faith based organization with a vision of being a centre of excellence in comprehensive community transformation. The mission is to bring hope to women living with and affected by HIV/AIDS within poor communities by empowering and equipping them to meet their spiritual, physical, emotional, economic and family needs in a sustainable way. I was involved in the setting up of the HIV Comprehensive Care Centre serving HIV infected patients in 2008 through the ACT Program. I currently play an advisory role on medical issues that the NGO is involved in.