

## BIOGRAPHICAL SKETCH



**NAME: DR. CHRISTINE MUTHOKI GICHUHI**

**CURRENT POSITION: Lecturer**

Department of Clinical Medicine and Therapeutics  
Thematic Unit of Pharmacology

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INSTITUTION AND LOCATION	DEGREE/ DIPLOMA	YEAR(s)	FIELD OF STUDY
University of Nairobi, Kenya	MBChB	1993	Medicine
University of Nairobi, Kenya	MMed	1999	Pediatrics
University of London, United Kingdom	Diploma	2011	Epidemiology

**POSTGRADUATE TRAINING:**

- 1993** The Physicians' Minilaparatomy Under Local Anaesthesia Course, Johns Hopkins JHPIEGO/Ministry of Health
- 1993 - 1994** Intern – Kenyatta National Hospital, Nairobi
- 1994 - 1995** Medical Officer - Mbagathi District Hospital, Nairobi
- 1995 - 1998** Senior House Officer - Department of Pediatrics, University of Nairobi
- 1996** Clinical Epidemiology Course, University of Nairobi
- 1998** Lactation Management Course, Kenyatta National Hospital
- 1999** Basic Life Support, Resuscitation Council of Kenya
- 1999** Advanced Cardiac Life Support, Resuscitation Council of Kenya
- 2002** Bioethics Review Workshop, International AIDS Research and Training Program, University of Washington
- 2003** Management of HIV/AIDS in Paediatrics, Gertude's Garden Children Hospital/ Kenya Paediatric Association
- 2003** Good Clinical Practice Course, Johns Hopkins Bloomberg School of Public Health
- 2004** Principles of HIV Care and Research, International AIDS Research and Training Program, University of Washington
- 2004** Antiretroviral treatment in Children, African Network for Care of Children Affected by AIDS (ANECCA)
- 2004** The Rational Use of Antiretroviral Therapy, National AIDS/STI Control Programme
- 2004** HAART Kesho Bora Study Procedures, WHO and NARESA
- 2005** The Comprehensive Pediatric HIV Care Course, National AIDS/STI Control Programme

- 2005** Paediatric Clinical Evidence Week, Welcome Trust/KEMRI/Royal College of Paediatrics and Child Health
- 2006** Human Participant Protections Education for Research Teams, National Institutes of Health (NIH)
- 2007** Training of Trainers Workshop, National AIDS/STI Control program/ Kenya Paediatric Association
- 2007** Review and Update of Tuberculosis in Children, Kenya Paediatric Association
- 2007** Emergency Triage Assessment and Treatment plus Admission Care for Sick Children – ETAT+, Welcome Trust
- 2009** Paediatric Gastroenterology Symposium, Kenya Paediatric Association
- 2009** Drug and Substance Abuse and Infectious Diseases
- 2009** Protecting Human Research Participants, National Institutes of Health(NIH)
- 2010** Evidence-Based Kenyan Guidelines Symposium, Kenya Paediatrics Association and Kenya Medical Research Institute.
- 2010** Basic Emergency Life Support Course, The Emergency Life Support Group
- 2010** Good Clinical Practice (GCP), International AIDS Vaccine Initiative (IAVI)
- 2010** Good Clinical Laboratory Practice (GCLP), Kenya AIDS Vaccine Initiative (KAVI)
- 2011** Update on Paediatric HIV, Kenya Paediatric Association
- 2011** Workshop on Scientific Writing, International AIDS Vaccine Initiative (IAVI)
- 2011** Medical Education Innovative Teaching Methodologies Workshop, Partnership for Advanced Clinical Education (PACE), University of Maryland and University of Nairobi
- 2012** Certificate Course in Bio-ethics, Kenyatta National Hospital-University of Nairobi, Ethisc & Research Committee

#### **FACULTY POSITIONS:**

- 2001 to date:**-Lecturer, Department of Clinical Medicine and Therapeutics, Thematic Unit of Pharmacology, University of Nairobi.
- 2001 to date:** - Honorary Consultant Pediatrician, Kenyatta National Hospital

#### **PEER-REVIEWED PUBLICATIONS:**

**Gichuhi C**, Obimbo E, Mbori-Ngacha D, Mwatha A, Otieno P, Farquhar C, Waruia G, Wamalwa D, Bosire R, John-Stewart G. Predictors of post-neonatal mortality in HIV-1 exposed uninfected infants in Kenya. *East Afr. Med. J.* 2005 Mar;**82(9):447-51**.

Balkus J, Bosire R, John-Stewart G, Mbori-Ngacha D, Schiff MA, Wamalwa D, **Gichuhi C**, Obimbo E, Waruia 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**.

Bosire R, John-Stewart GC, Mabuka JM, Waruia G, **Gichuhi C**, Wamalwa D, Ruzinski J, Goodman R, Lohman B, Mbori-Ngacha DA, Overbaugh J, Farquhar C. Breast milk alpha-defensins are associated with HIV type 1 RNA and CC chemokines in breast milk but not vertical HIV type 1 transmission. *AIDS Res Hum Retroviruses.* 2007 Feb;**23(2):198-203**.

Wamalwa DC, Farquhar C, Obimbo EM, Selig S, Mbori-Ngacha DA, Richardson BA, Overbaugh J, Emery S, Waruia 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.

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.

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.

Bork K, Cames C, Cournil A, Musyoka F, Ayassou K, Naidu K, Mepham S, **Gichuhi C**, Read JS, Gaillard P, de Vincenzi I; Kesho Bora Study Group. Infant feeding modes and determinants among HIV-1-infected African Women in the Kesho Bora Study. *J Acquir Immune Defic Syndr.* 2013 Jan 1;62(1):109-18.

### **STUDENT SUPERVISION**

**2003** Dr El-Busaidy Hajara; Determinants of childhood morbidity in Malindi District

**2010** Dr Wachira John; A prospective study describing the proportion of children failing first line antibiotics treatment for severe pneumonia and very severe pneumonia at Kenyatta National Hospital

**2012** Dr Ekeno Sarafina; Prevalence and factors associated with irrational use of antimicrobials in children at the Kenyatta National Hospital, Nairobi, Kenya

**MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS:** Kenya Medical Association.

### **RESEARCH EXPERIENCE:**

**02074** 09/01/02-08/31/07

**PI:** Ruth Nduati, MD, MPH, University of Nairobi, Kenya

**Funding:** CDC Program Announcement

**Title:** Impact of HAART on MTCT and Mother's Health

The aim of this study was to determine whether providing women with anti-retroviral therapy during breastfeeding can protect their babies from HIV infection. This study was carried out in collaboration with WHO.

**My role on the project:** Co-Investigator

**HD23412** 5/28/99-4/30/05

**PI:** Grace John-Stewart, MD PhD, University of Washington, USA

**Funding:** NIH/NICHD

**Title:** CTLs and Breast milk Transmission of HIV-1

This observational prospective study was examining the effect of HIV-1 specific cytotoxic T lymphocytes in infants of HIV-1 infected mothers on breast milk HIV-1 transmission.

**My role on the project:** Co-Investigator

**PV002**

**PI:** Tomas Hanke, BSc, MSc, PhD, Chief Investigator Professor Walter Jaoko, MB, ChB, MTropMed, PhD, Site Principal Investigator

**Funding:** EDCTP

**Title:** An opened 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

**My role on the project:** Study coordinator

**TRAINING EXPERIENCE:**

I train postgraduate and undergraduate medical, dental and nursing students in clinical pharmacology and therapeutics

I assist in training medical students in paediatrics.

I have trained health care workers in paediatric HIV care, prevention of mother to child transmission (PMTCT) of HIV-1 & research ethics.

**CONFERENCES ATTENDED:**

**2010** Annual review meeting 2010, University of Nairobi STD/AIDS collaborative group

**2011** College of Health Sciences, 1<sup>st</sup> International Scientific Conference

**2012** Annual review meeting 2012, University of Nairobi STD/AIDS collaborative group  
I presented an abstract; Recruitment of pregnant women for an infant HIV vaccine (MVA.HIVA) clinical trial in Nairobi, Kenya