

CURRICULUM VITAE

Winnie Chepkurui Mutai

PERSONAL DETAILS

Address: P.O Box 7800
Eldoret, Kenya.

Nationality: Kenyan

Marital status: Single

Religion: Christian

Languages: English, Kiswahili (both spoken and written)

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EDUCATION BACKGROUND

2006 - 2008; Jomo Kenyatta University of Agriculture and Technology (JKUAT), Master of Science (MSc.) Medical microbiology

Key areas of study include; Pathogenic microbiology, Anaerobic microbiology, Microbial genetics, Cellular and molecular immunology, Antimicrobial agents, Medical virology, Biostatistics, Epidemiology and Demography, Computer applications in health research and Research methodology.

Dissertation; *“Characterization of Antibiotic Resistant Plasmids in Salmonella Enterica Serovar Typhi Isolated in Nairobi, Kenya”*

2001 - 2004; Jomo Kenyatta University of Agriculture and Technology (JKUAT), Bachelor of Science (BSc.) Medical microbiology

Key areas of study include; Medical virology, Medical bacteriology, Medical mycology, Immunology, Parasitology, Microbial food toxicology, Microbial genetics, Applied microbiology, Environmental microbiology, Biochemistry of micro-organisms, Microbial physiology, Principles of disease control, Medical techniques, Biostatistics, Epidemiology, Health management and economics, Ethics and risks in medical microbiology, Pharmacology and Pharmacognosy.

**PROFESSIONAL,
COMMUNITY AND
RESEARCH
EXPERIENCE**

2008; Kenya People Empowerment Network, Certificate in HIV/AIDS Management

Key areas of study include; PMTC transmission, VCT and its role, Safe sex strategies, Antiretroviral therapy, Nutrition in HIV/AIDS, Implications of HIV/AIDS, STD'S, STI'S and FGM, Basic counselling skills, Home based care and Drug abuse.

January 1996 to December 1999; Kenya Certificate of Secondary Education (KCSE), Kapropita Girls High School,

January 1988 to 1995; Kenya Certificate of Primary Education (KCPE), St. Peters Clevers Kobujoi

September 2009 to March 2010: Working as a volunteer on food handlers project in KEMRI.

January 2009-march 2009: Consultant

- Sub-contract to develop evaluation tool for E-learning program for nurses, upgrading from enrolled community health nurse to Kenya registered community health nurse.
- Secondary data entry for various projects carried out by AMREF in different countries. Review the projects and write a summary of the findings. The data was used for assessment of impacts for projects set out by AMREF.

March 2009-August 2009: volunteer

Youth program in Uasin-Gishu

- Planning and implementing preventive and promotive health activities in rural areas.
- Health promotion through health education, VCT activities, PMTC transmission, VCT and its role, Safe sex strategies, Antiretroviral therapy, Nutrition in HIV/AIDS, Implications of HIV/AIDS, STD'S, STI'S and FGM, Basic counselling skills, Home based care and Drug abuse, water and sanitation activities and successful implementation of the Primary Health Care (PHC) projects.

August 2009-November 2009: Volunteered in a descriptive cross sectional study on "*Factors influencing the uptake of HBC services among rural PLWHA in the greater Narok region of rift valley province, Kenya*" with responsibility of data collection, entry, cleaning, analysing and presenting the final findings.

September 2006- to October 2008: Graduate student at KEMRI, Nairobi

Jan-march 2004, 2005; Student intern at Moi Teaching and Referral Hospital, Eldoret.

Jan-march 2005; Worked as a volunteer on a project involving tuberculosis under FIDELIS based in Moi Teaching and Referral Hospital.

Sep-Nov, 2003: Student intern and a research volunteer, on a project on Enterohemorrhagic Escherichia coli (traveller's diarrhoea) in KEMRI Malindi.

TEACHING EXPERIENCE

November 2011 to date: Tutorial Fellow University of Nairobi department of Medical Microbiology

September 2010 to December 2011: Part time lecturer at Mt. Kenya university.

September 2009 to March 2010: Part time lecturer at Kabarak university

May 2005 to April 2006; Tutor, Alphax College, Eldoret

Responsibilities:

- Teaching undergraduate and postgraduate students in medical microbiology.
- Mentoring students
- Participating in research work within the department.

TRAININGS & WORKSHOPS ATTENDED

February 2013: Training on ROTOR GENE Q for outstanding performance in Real-time PCR at the University of Nairobi

February 2012: Attended a course on Responsible Conduct of Research sponsored by the University of Nairobi and University of Washington (UoN-NIH IEARD and MEPI Kenya Program)

March 2010: annual AfBSA biological safety conference, KEMRI, Kenya.

May 2009: Wellcome trust advance course “**molecular approaches to clinical microbiology in Africa**”, Malawi

January 2009: 7th symposium on invasive Salmonellosis, KEMRI, Kilifi.

November 2008: 8th human quality assessment services conference.

May 2008: The open door workshop “**working with pathogen genomes**”, Malawi

PRESENTATIONS

December 2012; Poster presentation on “*Plasmid incompatibility grouping in Multidrug resistance salmonella enterica serovar Typhi isolated in Nairobi, Kenya (2004-2007)*” 1st ASLM International Conference, Cape Town, South Africa.

March 2010;Poster presentation on “Plasmid incompatibility grouping in multi-drug resistant *Salmonella Enterica Serovar Typhi* Isolated in Nairobi, Kenya (2004-2007)” in the 1st annual AfBSA biological safety conference

May 2009: “*Characterization of Antibiotic Resistant Plasmids in Salmonella Enterica Serovar Typhi Isolated in Nairobi, Kenya*” in Malawi

CAREER GOAL

My ultimate career goal is to contribute my experience in microbiology to support and engage in life science projects which will benefit human kind. I have the intrinsic drive to seek out new things and expand my field of knowledge for better management of infectious disease and to attain professional fulfillment, as an excellent and highly competent problem solver by developing a suitable combination of skills in Medical Research and Health Services Management.

OTHER SKILLS

- Excellent communication, writing skills, Monitoring and Evaluation skills, data collection and analysis and research skills
- Strong computer skills (Word, Excel, Access, PowerPoint, SPSS, Epi info)
- Good teamwork and coordination
- Excellent interpersonal and networking skills
- Hands – on experience in Community Based projects.

OTHER INTERESTS OUTSIDE RESEARCH

- Reading Journals
- Participating in charity activities,
- Playing badminton
- Travelling
- Listening to Music

MEMBERSHIP

- American Society for Microbiology- Global Outreach program; Membership no. 56598568
- African Biological Safety Association
- African Society for Laboratory Medicine

REFEREES

1. Prof. Omu Anzala,
Associate Professor,
Department of Medical Microbiology
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2. Dr. Samuel Kariuki
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3. Prof. Ann Muigai
Department of Biotechnology
Jomo Kenyatta University of Agriculture and Technology
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