

IDDAAH M. ALI

CURRICULUM VITAE

P.O. Box 3 -30100, Eldoret, Kenya, EA. E-mail: iddah.ali@gmail.com, Tel: +254 722 400 223

Iddah M. Ali

Date of Birth: *January 11, 1983*

Place of Birth: *Malindi, Kenya*

Citizenship: *Kenyan*

Status: *Married*

Gender: *Female*

Languages: *English, Kiswahili and Arabic (proficient in written and spoken)*

PERSONAL STATEMENT

Academically, I have been supported as a Master's student through Erasmus Mundu North -South – South fellowship programme, Tampere University of Applied Sciences, Tampere, Finland. My doctoral research was partly supported in part through Maseno University research grant for doctoral students. The fellowship programme and the grants acquired provided me with an opportunity to work in state-of-the-art research laboratories at the **Tampere University of applied science in collaboration with Finn Medi, Finland** where I acquired advanced research skills, gained a hands-on experience on contemporary experimental techniques and Molecular immunology concepts. Additionally, there was understanding and knowledge gaining in areas of multitasking, culture of ethics, proficiency and headship.

My research interests (**PhD**) focused broadly on infectious disease particularly tuberculosis associated with HIV and the diagnostic platforms involved in the diagnosis of tuberculosis– *validation of Gene Xpert using urine from HIV patients with clinical signs diagnostic of tuberculosis at the Moi Teaching and Referral Hospital, Western Kenya* - An area i look forward to contribute at local and wider global context. My Master's thesis investigated the *Prevalence and factors associated with immunological thyroid disease in patients at Moi Teaching and Referral Hospital, Western Kenya*. The findings from my study confirmed for the first time the creatinine levels are elevated in immunological thyroid disease patients serving as a potential source of diagnostic measure.

As a study coordinator in an Autopsy study in an NIH-Funded RO1 project, '*An autopsy study to establish causes of death in African patients on antiretroviral therapy*', initially as an assistant and later as the study manager', was able to conduct a sub-study of the '*Autopsy Study*' in which she is comparing the prevalence of malaria in HIV-infected patients who died while on versus is compared with those not on antiretroviral therapy. This experience encouraged me to want to do more research on malaria.

In summary, an energetic, ambitious individual who has developed a mature and responsible approach to any tasks undertaken. Has the ability to organize people and systems in order to achieve objectives and is used to working under pressure and meet strict deadlines. I welcome challenges.

My career plan is to be an excellent researcher in laboratory medicine (health sciences), to excel professionally as an immunologist and biotechnologist and achieve the highest possible standards in carrying out research. Am confident that this experience will prove invaluable in developing me towards my career goal towards becoming a better medical researcher (Scientist). It has also serve as a great role model for young African women and girls by encouraging them to pursue academics to the highest levels possible in order to empower them.

Personality: Reliable, truthful, friendly, amiable, organized and liable.

EDUCATION

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06/2013 – 12/2016: **Doctor of Philosophy in Medical Biotechnology**; Maseno University.

Thesis Title: *validation of Gene Xpert using urine from HIV patients with clinical signs diagnostic of tuberculosis at the Moi Teaching and Referral Hospital, Western Kenya.*

09/2010-12/2013: **Master of Science in Medical Immunology**; Maseno University.

Area of concentration:

- Research programmes Community health
- Medical research Biostatistics
- Epidemiology Molecular genetics
- Immunogenetics Immunotherapy
- Animal tissue and cell culture Techniques in medical immunology
- Health system management Autoimmunity
- Cellular immunology Immunity and diseases
- Advance immunology

Thesis Title: *Prevalence and factors associated with immunological thyroid disease in patients at Moi Teaching and Referral Hospital, Western Kenya.*

09/2003-12/2008: **Bachelor of Science (Medical Laboratory Science)**; University of Eastern Africa Baraton.

Area of concentration:

- Research programmes Serology
- Medical research Histology
- Chemical technology Histologic technique
- Microbiology Immunohematology
- Diagnosis
- Laboratory management
- Immunology
- Hematology
- Parasitology

Project: Mycology _ identification of medically importance fungi.

01/1998-11/2001: **Kenya Certificate of Secondary Education (K.C.S.E)**; Barani Secondary School, Malindi, Kenya.

OTHER INTERNATIONAL SHORT COURSES TRAINED

1. Certificate of Continuing Professional Development. **Raising Capital for Healthcare Projects Strategic Insights During and Post COVID**, Oliver Kinross Ltd, www.cpduk.co.uk
2. Certificate of Achievement. **PLAGUES, PESTILENCE AND PANDEMICS**, Griffith University, Queensland Australia. This course explored the current and emerging threat of global health pandemics and how we can respond to them effectively. <https://www.futurelearn.com/certificates/cj7lr72>
3. Certificate of Achievement. **THE ROLE OF DIAGNOSTICS IN THE ANTIMICROBIAL RESISTANCE RESPONSE, LONDON SCHOOL OF HYGIENE & TROPICAL MEDICINE**. This course explored how diagnostics can be used in the antimicrobial resistance response.

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<https://www.futurelearn.com/certificates/edeyoxi>

4. Certificate of Achievement. **HEALTH SYSTEMS STRENGTHENING THE UNIVERSITY OF MELBOURNE, THE NOSSAL INSTITUTE FOR GLOBAL HEALTH AND UNICEF.** This course explored health systems concepts, structure, function and approaches to strengthening health systems. Topics covered included health systems frameworks, equity in health, health financing, health workforce, supply chains, quality of care and managing mixed health systems. <https://www.futurelearn.com/certificates/4srful>

ONGOING SHORT COURSES TRAINING

1. **HEALTH IN HUMANITARIAN CRISIS, LONDON SCHOOL OF HYGIENE & TROPICAL MEDICINE.** This course explores the different types of humanitarian crises and the health needs of populations when faced with such catastrophic events.
2. **ROLE OF ANTIFUNGAL STEWARDSHIP, BRITISH SOCIETY FOR ANTIMICROBIAL CHEMOTHERAPY (BSAC).** This course explores fungal infections, their diagnostic approaches, antifungals, therapeutic drug monitoring, antifungal resistance as well as the main guidelines.
3. **INTRAVENOUS TO ORAL SWITCH, BRITISH SOCIETY FOR ANTIMICROBIAL CHEMOTHERAPY (BSAC).** This course explores the basic understanding of the clinical considerations required when switching a patient from OPAT to oral antimicrobial therapy, including what IVOST is, the pros and cons of IV versus oral antimicrobial therapy, and how to determine the optimal time to switch from IV to oral antimicrobials and the oral agent(s) to consider.
4. **GLOBAL HEALTH, CONFLICT AND VIOLENCE.** This course explores how to Engage in peace-health work in war and post-war settings, Identify appropriate responses to nuclear threats and Prepare for the health effects of climate change.
5. **GENOMIC TECHNOLOGIES IN CLINICAL DIAGNOSTICS: NEXT GENERATION SEQUENCING, UNIVERSITY OF LONDON.** This course explores Genomic Technologies in Clinical Diagnostics: Next Generation Sequencing forms part of the Genomics in Healthcare program, along with The Genomic Era: The Future of Genomics in Medicine and Genomic Technologies in Clinical Diagnostics: Molecular Techniques.

RESEARCH GRANTS RECEIVED AND CONSULTANCY PROJECTS:

1. Masinde Muliro University of Science & Technology, student Research support grant for studies on *Rt-Lamp For Rapid Diagnosis Of Covid-19 Using Saliva In Asymptomatic Patients In Kakamega Kenya*, funded by Masinde Muliro University of Science & Technology, 2019/2020 (KSH 1,000,000). Grant awarded- research ongoing.
2. Consultancy at NATIONAL AIDS CONTROL COUNCIL (NACC) as a LEAD CONSULTANT ESTIMATING THE DISTRIBUTION OF NEW HIV INFECTIONS IN KENYA (*The Kenya Modes of Transmission Study*) for studies on spatial distribution and habitat characterization of malaria vectors and schistosomiasis hosts associated with water hyacinth and other aquatic vegetation in the lake Victoria basin of Kenya, funded by NACC, 2019/2020 (KSH 1,340,000). LEAD CONSULTANT. Received, February 2020. **Successfully executed.**
3. Maseno University PhD, student Research support grant for studies on *validation of Gene Xpert using urine from HIV patients with clinical signs diagnostic of tuberculosis at the Moi*

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*Teaching and Referral Hospital, Western Kenya, funded by Maseno University, 2015/2016 (KSH 50,000). **Successfully executed.***

4. *Maseno University MSc, student Research support grant for studies on, **Prevalence and factors associated with immunological thyroid disease in patients at Moi Teaching and Referral Hospital, Western Kenya, funded by Maseno University, 2012/2013 (KSH 30,000). **Successfully executed.*****

RESEARCH APPLIED FOR AWAITING FUNDING

1. *Masinde Muliro University Research fund 2020/2021 for Institutional Research on INVESTIGATION OF FACTORS THAT INFLUENCE COMPLETION RATE OF POSTGRADUATE STUDIES AT MASINDE MULIRO UNIVERSITY, funded by Masinde Muliro University of Science and Technology, 2020/2021 (KSH 1,000,000).*
2. *NRF funding on coronavirus disease (COVID-19) 2019/2020 for studies on clinical predictors of mortality in covid-19 infected patients in Kenyan population, funded by NRF-KENYA, 2019/2020 (KSH 20,000,000).*
3. *NRF funding on coronavirus disease (COVID-19) 2019/2020 for studies on RT-LAMP FOR rapid diagnosis of covid-19 using saliva in asymptomatic patients in Kakamega Kenya, funded by NRF-KENYA, 2019/2020 (KSH 20,000,000).*

OTHER FELLOWSHIPS/AWARDS

March 1st – May 31st 2012 (Exchange program): Exchange student in the North -South –South Programme at Tampere University of Applied Sciences, Tampere, Finland.

MEMBERSHIP TO PROFESSIONAL SOCIETIES

1. Member, Kenya Medical Laboratory Technician and Technologist Board (KMLTTB) (Reg. No: A09487).
2. Member, Association of Kenya Medical Laboratory Officer (AKMLSO).
3. Member, America Thyroid Association.

SERVICE TO PROFESSIONAL SOCIETIES AND SCIENCE

1. Chief Editor, EAS Journal of Parasitology and Infectious Diseases, EAS J Parasitol Infect Dis
2. Reviewer, Moi Teaching and Referral Hospital/ Moi University School of Medicine (MTRH/MUSOM) institution review committee (IREC).
3. Reviewer, Journal of Scientific Research and Reports.
4. Reviewer, Journal of International Research in Medical and Pharmaceutical Science.
5. Reviewer, International Blood and Reviews.
6. Reviewer, Journal of Disease and Global Health.
7. Reviewer, British Journal of Medicine and Medical Research.

IREC REVIEWER of MSc, MPH & Ph.D. PROPOSAL:

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1). Alex Kipbichii Chebor. PhD. Proposal entitled “Efficacy, safety and conservation of two selected hypoglycemic herbal medicines, used in the management of Diabetes Mellitus in Baringo County, Kenya”, Department of Environmental Biology and Health (ebh), University of Eldoret.

2). Suzanne Goodrich. AMPATH. Proposal entitled “Evaluating the characteristics and outcomes of patients seen in the AMPATH Resistance Clinic”.

PROFESSIONAL EXPERIENCE

2021 to date: *In-charge Chairperson*, Curriculum development, Department of Microbiology and Parasitology Muliro University of Science and Technology (MMUST).

2017 Feb to date: *Part-time Lecturer*, School of Nursing, Department of Paramedical Science (HEMATO-IMMUNOLOGICAL EMERGENCIES), Masinde Muliro University of Science and Technology (MMUST).

2020 October to date: *In-charge Chairperson*, Department of Microbiology and Parasitology Muliro University of Science and Technology (MMUST).

2020 September to date: *Acting(Ag) Chairperson*, Department of Microbiology and Parasitology Muliro University of Science and Technology (MMUST).

2020 Jan to date: *Lecturer*, School of Medicine, Department of Microbiology and Parasitology Muliro University of Science and Technology (MMUST).

2019 to March 2020: *Part-time Senior Lecturer*, School of Medicine, Department of Microbiology and Parasitological, Masinde Muliro University of Science and Technology (MMUST).

2017 Sept to Jan 2018: *Lecturer*, Department of Medical Laboratory Science – Alupe University College.

2017 Feb to date: *Laboratory in charge*, Department of specialized tests, CHANDARIA CANCER CENTRE, Moi Teaching and Referral Hospital, Eldoret – Kenya.

2017 Feb to date: *Part-time Lecturer*, Department of Medical Laboratory Science immunoematology and transfusion, Laboratory Hematological Methods, cellular & molecular pathology of blood cells, advanced blood transfusion science, advanced clinical pathology and advanced molecular diagnostics and technology, Masinde Muliro University of Science and Technology(MMUST).

2014 Feb to March 2018: *Senior Laboratory Scientist I*, Department of Medical Laboratory Science, Moi Teaching and Referral Hospital, Eldoret – Kenya

2014 Jan-2014 Dec: *Part-time Lecturer*, Department of Medical Laboratory Science -Microbiology, Medical terminology, Parasitology and Human anatomy and physiology, Eldoret college of professional studies (ECPS).

2010 October to 2015: *Research coordinator*, Autopsy study, Academic Model Providing Access to Heathcare (AMPATH), Eldoret, Kenya.

2009 April to Jan 2015: *Laboratory Scientist I*, Department of Medical Laboratory Science, Moi Teaching and Referral Hospital, Eldoret – Kenya.

2009-2010: *Part-time Tutor* Department of Medical Laboratory Science -Hematology, Kenya Institute of Applied Science (KIAS).

RESPONSIBILITIES HELD AT UNIVERSITY LEVEL

1. **2022 May:** *Curriculum development* for Department of Microbiology and

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Parasitology Muliro University of Science and Technology (MMUST).

2. **2021 November:** *Reviewed curriculum* for MBChB programme for the department of Medical Microbiology and Parasitology and devise alternative approaches to presenting lessons to increase student understand.
3. **2020 October to date:** *In-charge Chairperson*, Department of Medical Microbiology and Parasitology Muliro University of Science and Technology (MMUST).
4. **2020 September to date:** *Acting (Ag) Chairperson*, Department of Microbiology and Parasitology Muliro University of Science and Technology (MMUST).
5. **2018 August to date:** Appointed as the Officer in charge of Research AUC.
6. **2018 March to date:** Appointed as the Committee member HIV/AIDS PREVENTION of Alupe University College.
7. **2018 March to date:** Appointed as the convener of Journal Club of Alupe University College.

ACADEMIC PROGRAMME DEVELOPMENT

I have designed, developed and implemented diverse curriculums covering the wide range of subjects in the School of Medicine, Department of Medical Microbiology and Parasitology, Masinde Muliro University of Science and Technology. The programmes include Bachelor of Science programmes, Master of science programmes and Doctor of Philosophy programmes in the department of Medical Microbiology and Parasitology.

SELECTED PUBLICATIONS IN PEER REVIEWED JOURNAL

PUBLICATION AFTER EMPLOYMENT TO MMUST 2020

1. **Iddah, M. Ali., and Benard O. Wesonga .,** URINE SAMPLING AND CULTURE IN THE DIAGNOSIS OF URINARY TRACT INFECTION. A REVIEW ARTICLE. *East African Scholars J Med Surg*; Vol-3, Iss-4 (Apr, 2021): 59-69 ISSN: 2663-1857 (Print) & ISSN: 2663-7332 (Online) DOI: [10.36349/easjms.2021.v03i04.001](https://doi.org/10.36349/easjms.2021.v03i04.001)
2. **Iddah, M. Ali., and Peter K. Nyongesa.,** MRSA: A REVIEW ARTICLE. *EAS J Parasitol Infect Dis*; Vol-3, Iss-2 (Mar-Apr, 2021): 23-30 ISSN: 2663-0982 (Print) & ISSN: 2663-6727 (Online) DOI: [10.36349/easjpid.2021.v03i02.001](https://doi.org/10.36349/easjpid.2021.v03i02.001)
3. **Iddah, M. Ali., and Benard O. Wesonga.,** BLOOD CULTURES FOR THE DETECTION OF BACTEREMIA: A REVIEW ARTICLE. *IAR J Med & Surg Res*, Vol-1, Iss- 3 (Nov-Dec, 2020): 111-115.
4. **Iddah, M. Ali. and Busolo H.,** ASSOCIATION OF HSCRIP AND DEVELOPMENT OF CARDIOPATHIES IN *Rattus norvegicus*. *EAS J Pharm Pharmacol*; Vol-2, Iss- 6 (Nov-Dec, 2020): 211-219 ISSN: 2663-0990 (Print) & ISSN: 2663-6719 (Online) DOI: [10.36349/easjpp.2020.v02i06.004](https://doi.org/10.36349/easjpp.2020.v02i06.004)
5. **Iddah, M. Ali., and Benard O. Wesonga.,** C-REACTIVE PROTEIN IN CARDIOVASCULAR DISEASE: A REVIEW ARTICLE. *East African Scholars J Med Surg*; Vol-2, Iss-11 (Dec, 2020): 200-204 ISSN: 2663-1857 (Print) & ISSN: 2663-7332 (Online). DOI: [10.36349/easjms.2020.v02i11.001](https://doi.org/10.36349/easjms.2020.v02i11.001)

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PUBLICATION AFTER EMPLOYMENT TO ALUPE UNIVERSITY COLLEGE

6. **Iddah, M. Ali.,** INNATE IMMUNITY AND MICROBIAL INVASION: A REVIEW ARTICLE. *Journal of Medicine and Health Research*. 4(2): 51-64, 2019 (Sept, 2019) : ISSN: 2456-8341
7. **Iddah, M. Ali.,** (2019), Toxoplasmosis. : A Review Paper. *EAS J Biotechnol Genet*; Vol-1, Iss-3 (May, 2019): ISSN: 2663-189X (Print) & ISSN: 2663-7286 (online)
8. **Iddah, M. Ali.,** (2019), Anaemia in HIV patients: A Review Paper. *EAS J Parasitol Infect Dis*; Vol-1, Iss-2 (April, 2019): ISSN: 2663-0982 (Print) & ISSN: 2663-6727 (Online)
9. **Iddah, M. Ali.,** (2019), HIV and Women: A Review Paper. *EAS J Parasitol Infect Dis*; Vol-1, Iss-1 (Feb, 2019): 36-48 ISSN 2663-0982 (Print) & Open Access
10. **Iddah Maulid et al.,** (2019), Prevalence of malaria among deceased HIV-infected patients: A comparative study of patients on versus those not on antiretroviral therapy in Western Kenya. *EAS J Parasitol Infect Dis*; Vol-1, Iss-1 (Feb, 2019): 8-15
11. **Iddah, M. Ali.,** Hepatitis C VIRUS INFECTION AND ITS ASSOCIATED COMPLICATIONS : A REVIEW ARTICLE. Manuscript No.: 2018/JOMAGR/6282 in Current Issue (July, 2018). *Journal of Medicine and Health Research*
12. **Iddah, M. Ali.,** (2018). Kaposi's sarcoma (KS): HIV/AIDS Related. *SASJ.Med.*, July 2018;4(7):94-107. *Scholars Journal of Applied Medical Sciences* DOI: [10.21276/sasjm.2018.4.7.2](https://doi.org/10.21276/sasjm.2018.4.7.2)
13. **Iddah, M. Ali.,** (2018). *HIV INFECTION AND MALIGNANCY*. *JMSCR* Volume 06 Issue 07 July 2018. DOI:<https://dx.doi.org/10.18535/jmscr/v6i7.124>
14. **Ali et al,** (2018), Specificity and Sensitivity of Lipoarabinomannan (LAM) Determine Strip Test Using Urine from HIV Patients with Signs of Tuberculosis in Western Kenya. *Sch. J. App. Med. Sci.*, Mar 2018; 6(3): 1239-1244 DOI: [10.21276/sjams.2018.6.3.86](https://doi.org/10.21276/sjams.2018.6.3.86)

BOOKS PUBLICATION AFTER EMPLOYMENT TO ALUPE UNIVERSITY COLLEGE

1. **Iddah M. A.** (2018). *Clinical manifestations and Evaluation of Tuberculosis*. Beau Bassin 71504, Mauritius: LAP LAMBERT Academic Publishing, ISBN: 978-613-9-88537-4.
2. **Iddah M. A.** (2017). *Tuberculosis In Immunocompromised Patients*. Beau Bassin 71504, Mauritius: LAP LAMBERT Academic Publishing, ISBN: 978-620-2-05480-5.

PUBLICATION BEFORE EMPLOYMENT

1. **Ali et al,;** Specificity and sensitivity determination of Gene Xpert MTB/RIF using urine from HIV patients with signs of Tuberculosis at the Teaching and Referral Hospital (MTRH) in Western Kenya. *JODAGH*, 8(3); 112-117, 2016.
2. **Iddah, M. Ali.,** *Tuberculosis in Immunocompromised Patients: Review Article*. *Sch. J. App. Med. Sci.*, February 2016; 4(2B): 383-395
3. **Iddah. M. Ali et al** (2015): *Optimal parameters (Zn, CD4 count, Hb, Creatinine, Proteinuria, and Hematuria) for Gene Xpert MTB/RIF and LAM Strip determine Test for Diagnosis of Tuberculosis using urine from HIV patients at the Moi Teaching and Referral Hospital*

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(MTRH) in Western Kenya.-Clinical study. JMSCR ISSN (e)-2347-176x, Volume 03 Issue 08 August , DOI: <http://dx.doi.org/10.18535/jmscr/v3i8.16>

4. Charles M.K, **Iddah M.A**, Pamela K, David C, Wilfred E, Ann M, Kara K. W, AND ABRAHAM M.S (2015): *Antibiotic sensitivity patterns amongst post-mortem bacterial isolates from HIV-infected patients in western kenya: a cross sectional descriptive study.* Journal of Disease and Global Health, Vol.: 3, Issue.: 3 (2015).
5. B. N. Macharia, **M. A. Iddah**, F. M. Ndiangui, and A. Keter, *Pattern of Suicide: A Review of Autopsies Conducted at Moi Teaching and Referral Hospital in Eldoret Kenya*, The Open Access Journal of Science and Technology, Vol.3(2015), Article ID 101112, 4 pages <http://dx.doi.org/10.11131/2015/101112>
6. **M. A. Iddah** et al (2013): *Thyroid hormones and hematological indices levels in thyroid disorders patients at Moi Teaching and Referral Hospital (MTRH), western Kenya.* Hindawi Publishing Corporation ISRN Endocrinology, Volume 2013, Article ID 385940, 6 pages <http://dx.doi.org/10.1155/2013/385940>
7. **A. Iddah** and B. N.Macharia (2013): *Autoimmune Thyroid Disorders* (Review Article) Hindawi Publishing Corporation ISRN Endocrinology Volume 2013, Article ID 509764, 9 pages <http://dx.doi.org/10.1155/2013/509764>
8. **Iddah, M.A**, Macharia, B.N, et al (2013): *Histological pattern in immunological thyroid disease patients at moi teaching and referral hospital (MTRH), Western Kenya.* International journal of Science Commerce and Humanities Volume No 1 No 7 October 2013
9. **Iddah, M.A**, Ofulla, A.V.O, et al (2013): *Prevalence, Histological types, Hormonal and Autoantibody levels in immunological thyroid disease patient at Moi Teaching and Referral Hospital (MTRH), western Kenya.* Kenya journal of Health Science Volume No 2 August 2013

SELECTED CONFERENCES/PRESENTATIONS

- March/2013:** The burden of tuberculosis among patients dying with HIV/AIDS while on antiretroviral therapy (ART) in Western Kenyan.
- October/2012:** Challenges and lessons learned conducting a study to determine the causes of Death in HIV-infected Africans on antiretroviral therapy.
- March/19/2012:** **Germ layers and Teratomas.** The speaker: Hannu Sariola, Institute of Biomedicine, University of Helsinki.
- March/26/2012:** **Better living Through Hypermutation ‘Life as a Drunkard’s Walk’.** The speaker: Myron F- Goodman, Research program, Molecular medicine, University of Southern California, Faculty of Medicine.
- April/2/2012:** **Mechanotransduction and the nucleus.** The speaker: Teemu Ihalainen, PhD. ETH Zurich, Department of Health sciences and Technology.
- April/16/2012:** **Molecular genetics mechanisms underlying cardiac arrhythmia disorders and sudden cardiac death.** The speaker: Annukka Lahtinen,

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Research program's unit Molecular medicine, University of Helsinki, Faculty of Medicine.

- April/23/2012:** **Live Imaging of Proprotein Convertase.** The speaker: Daniel Constan, EPFL, Lausanne, medicine.
- May/7/2012:** **Myocardial tissue Engineering.** The speaker: Wolfram H. Zimmermann, Department of Pharmacology, Heart research centre Gottingen, Georg-Augus-University Gottingen.
- May/14/2012:** **Phenotypic Plasticity of Fetal Endothelial Cells.** The speaker: Lopa. Leach, Cardiovascular Research Group, School of Biomedical Sciences, Faculty of Medicine, University of Nottingham, UK.
- May/21/2012:** **GFP: Lighting up Life- Green Fluorescent Protein as a Marker for Gene Expression.** The speaker: Martin Chalfie (Winner of Nobel Prize in Chemistry 2008), Columbia University.

CERTIFICATES/TRAININGS ATTAINED:

- November 2019:** Certificate of Achievement. **THE ROLE OF DIAGNOSTICS IN THE ANTIMICROBIAL RESISTANCE RESPONSE, LONDON SCHOOL OF HYGIENE & TROPICAL MEDICINE.**
- October 2019:** Certificate of Appointment. Editor in Chief, East African Scholar Journal of Parasitology & Infectious Diseases.
- November 2018:** Certificate of Attendance. Flow Cytometry for the Diagnosis Hematolymphoid Neoplasms.
- June 2017:** Certificate of Attendance. Grant writing and Project Management Workshop.
- March 2017:** Certificate of Participation, U54 Sub-Saharan African Collaborative HIV and Cancer Consortia Scientific Symposium, BOMA Inn-Eldoret, KENYA.
- June 2016:** Certificate of Participation, CANCER SCREENING, ELDORET.
- March 2016:** Certificate of Achievement. Phadia 250 User Training Course. ThermoFisher SCIENTIFIC.
- February 2016:** Certificate of registration The Kenya Medical Laboratory Technician and Technologist Board (Reg.No: A09487).
- August 2011:** Certificate in Good Clinic Practice Facilitate by the Kenya Aids Vaccine Initiative (KAVI).
- September 2010:** Research Coordinator/Research Assistant Training Course Certificate.
- August 2010:** Course completion on Human Research from CITI (Collaborative Institutional Training Initiative).
- March 2010:** Course completion on Human Subject Protection Test

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March 1st – May 31st : Practical training abroad (molecular biology, biochemistry, Hematology, clinical microbiology and clinical pathology).

MAY 26TH-27TH2007: Certificate of participation towards the succession of Nandi hills Medical camp.

2004 – 2005: Diploma certificate in training of trainers' network community Programme.

- Certificate in TOT training of HIV/AIDS
- Certificate of participation worlds day week
- Certificate in HIV/ AIDS / STI counseling course

2001 – 2003:

- NGOs training certificate on HIV/AIDS/STD/STI
- Certificate of service as a pharmacist's assistant (palm land Pharmaceuticals).
- Certificate of training management skills

2000:

- Certificate of award in science congress home science exhibit.
- Certificate of award in science congress biological science exhibit.
- Certificate in community based first Aid initial level.

APPOINTMENTS:

- 2010 October- 2015:** Acting Research Co-ordinator, Autopsy study, Ampath Eldoret.
- 2009 April-to-date:** Laboratory Scientist I, department of Medical Laboratory, Moi teaching and referral hospital.
- 2005 February:** A facilitator for secondary schools peer education seminar.
- 2005 May:** A facilitator for secondary schools peer education seminar.
- 2004:** Peer educator and ambeller on HIV/AIDS Baraton University.
- 2001-2003:** A Full-time pharmacist assistant with palm land pharmaceuticals Organization and suppliers of medicine for one year.

COMPETENCIES:

Managing and developing staff capacities

I have good management skills and capacity to work effectively with staff at all levels. Currently, I work as the research director at Alupe university college. I co-ordinate and manage the research department and Alupe university ongoing research(s) and grants. I am a team builder and I command good management skills that has enabled me to me lead a diverse team of consultants at **NATIONAL AIDS CONTROL COUNCIL (NACC)** as a **LEAD CONSULTANT ESTIMATING THE DISTRIBUTION OF NEW HIV INFECTIONS IN KENYA (The Kenya Modes of Transmission Study)** and provide high quality supervision, line management and support to staff by creating

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enabling working environment. I am able to conduct a staff capacity needs assessment, analyze the outcomes and design appropriate staff capacity building programs to address the gaps identified. I currently motivate staff through mainstreaming non cash reward systems.

Capacity building

I have previously conducted local training.

2019-2020: Facilitated grant writing training, Alupe university staff.

2004-2005 February: Facilitated secondary schools peer education seminar and counseling, Nandi county
HIV/AIDS/STD/STI

2004-2005 May: Facilitated secondary schools peer education seminar on HIV/AIDS/STD/STI and counseling , Nandi county

Interpersonal relationships

I have good interpersonal skills critical for building effective networks and cultivating positive relationships with a wide of range of internal and external stakeholders. I am results oriented and can work under minimal supervision to achieve the set objectives.

OVERVIEW OF OTHER THAN PROFESSIONAL SKILLS

- I am innovative and always like “thinking outside the box”
- I am capable of motivating the team
- I am self-starter and can work any where under minimal supervision
- I have good writing and communication skills
- I am proficient in the following computer packages: power point, word, excel and outlook