



**NAMES** Dr Simon Onsongo Nyangena

**QUALIFICATIONS** MBChB, Mmed

**NATIONALITY** Kenyan

**PLACE OF BIRTH** Kisii

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**POSITION** Lecturer, Department of Pathology  
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**PERSONAL OBJECTIVES**

1. To learn and generate new knowledge in the field of laboratory medicine in a way that improves lives of people
2. To create long lasting mutual relationships with scientists across the world with interests in Laboratory Medicine and other areas with an aim of solving our current challenges using simple, innovative and sustainable.
3. To teach and mentor young people to be better leaders of tomorrow

**CURRENT WORK LOCATION:**

Faculty member, Department of Pathology at the School of Medicine

**OTHER ADVISORY ROLES**

1. Affiliate Hospital Consultant at Aga Khan Hospital, Kisumu- An institution of Aga Khan Health Services in East Africa.
2. Nominated to be a steering member of the Biorad's Global External Quality Assurance Services (EQAS) Steering Committee Member, an advisory role.

**TRAINING AWARDS:**

1. Winner of the 2014 American Society of Hematology Fellowship Training Program- Visitor Training programme at University of Chapel Hill North Carolina, March-June 2015
2. Training in Techniques in Hemoglobinopathy Diagnosis at Sickle Centre at Titus H. J. Huisman Hemoglobinopathy Laboratory- George Regents University (Now University of Augusta)- May –June 2015
3. Winner of the Clinical Preceptorship in Diagnosis of chronic myeloid leukemia at the Roya Adelaide Hospital in October-November 2016

**RESEARCH GRANTS**

USD 10,000 grant from International Chronic Myeloid Leukemia Foundation (iCMLf) Promote Chronic Myeloid Leukemia diagnosis and awareness program in western Kenya in 2017

**WORK AND PROFESSIONAL EXPERIENCE****MARCH 2016 TO DATE: LECTURER AT MASENO UNIVERSITY**

Duties:

1. Teaching medical students
2. Participating in non-academic activities within the University
3. Participating in various management sub-committees within School of Medicine
4. Participation in research activities.
5. Participation in students' mentorship program
6. Building of local and international collaborations

**JANUARY 2014 TO 2018****AFFILIATE CLINICAL PATHOLOGIST- AGA KHAN HOSPITAL KISUMU**

Key Responsibilities

1. Acting as consultant clinical pathologist in developing and applying knowledge of tissue and laboratory analyses to assist in aiding the diagnosis and treatment of individual patients.
2. Carrying out diagnostic procedures e.g bone marrow aspiration and biopsies.
3. Review and expansion of current laboratory test menu by introduction of new and relevant diagnostic tests, equipment with an aim to improve patient care
4. Conducting continuous medical educational sessions for hospital staff with an aim to improve the use and optimization of diagnostic facilities in the hospital
5. Ensuring production of quality and reliable results for patients and doctors consumption by use of proven methods.
6. Involvement in clinical research activities, in an effort to fill research gaps in various aspects of medicine.
7. Participation in various hospital patient care improvement committees

**JANUARY 2010- DEC 2013**

**RESIDENCY PROGRAM, AGA KHAN UNIVERSITY HOSPITAL, NAIROBI**

**PROGRAM SCOPE**

1. Haematology/Haematopathology
2. Clinical Microbiology
3. Clinical Chemistry
4. Laboratory Management
5. Clinical immunology and Immunopathology
6. Research Methodology and Practice
7. Master's Thesis

**JANUARY 2009- TO 2010**

**MEDICAL OFFICER IN BUSIA DISTRICT HOSPITAL, WESTERN PROVINCE**

Duties included but not limited to:

1. Day to day management of patients in both in and outpatient departments.
2. Conducting teaching and routine ward rounds together with other clinical staff both qualified and those still training.
3. Giving continuing medical education to hospital staff on various topical subjects
4. Conducting operational research to answer local problems/questions.
5. Running outpatient clinics for Diabetes, Hypertension and Paediatrics

**FEBRUARY 2008- DECEMBER 2009**

## **MEDICAL OFFICER-INTERN IN BUNGOMA DISTRICT HOSPITAL**

Mandatory requirement by Kenya Medical practitioners and Dentists Board (KMPDB)

Duration: One year

Duties included but not limited to:

1. Day to day management of patients in both in and outpatient departments.
2. Participating in teaching and routine ward rounds together with other clinical staff both qualified and those still training.
3. Running outpatient clinics for Diabetes, Hypertension and Paediatrics

### **2002-2007:**

Undergraduate Training, University of Nairobi- School of Medicine

### **1997-2000:**

Sameta High School, Best student in Gucha District in Kenya certificate of Secondary Education (KCSE) year 2000.

## **ADMINISTRATIVE RESPONSIBILITIES**

1. Committee member Kenya Association of Clinical Pathologists, KACP
2. The Chair Infection Control in Aga Khan Hospital Kisumu, from January 2017-2019
3. Chair Aga Khan Hospital Point of Care (POC) committee, 2017-2019
4. Member of Antibiotic Stewardship Committee, Aga Khan Hospital Kisumu

## **TRAININGS**

### **2016:**

1. Practical Approaches to Quality Control in the Clinical Laboratory Certificate Program- AACC 2018.
2. Customer Service Excellence training- 2018
3. Intelligent Clinical Laboratory Management: Impact on Quality System Improvement" Held at Hilton Durban, Durban, South Africa on October 22, 2017.
4. Preceptorship training in management of chronic leukemia and other haematological conditions at Royal Adelaide Hospital, sponsored by International CML Foundation. Mentor Prof. Tim Hughes.
5. Certificate in Methods in Hemoglobinopathy Diagnose at Augusta University
6. Fellowship training in Haematopathology at University of North Carolina at Chapel Hill and CDC Atlanta under Prof Nigel Key.
7. Certificate in Molecular Basis of disease from Aga Khan University Karachi, School of Biology and Biological Sciences
8. Certificate in Epidemiology and Biostatistics from University of Nairobi/ University of Washington

## **OTHER TRAININGS**

1. Online Research Ethics Training Curriculum by FHI 360, November 20<sup>th</sup> 2015
2. Online Human Subjects Protections Training by NIH, Certificate Number 1617573

## **RESEARCH INTERESTS**

1. Sickle cell and other Hemoglobinopathies Research
2. HIV Drug Resistance
3. Laboratory management and Quality Assurance in clinical laboratories in sub-Saharan Africa
4. Leukemias

## **RESEARCH WORK**

### **PUBLICATIONS**

1. Prevalence of Transmitted Drug Resistance Mutations in HIV-1-Infected Drug-Naive Patients from Urban and Suburban Regions of Kenya. AIDS Res Hum Retroviruses. 2015 Sep 24. Onsongo Simon, Abidi , Khamadi, Shah Reena, Kageha Sheila, Ojwang Peter, Ali Syed, Okinda Nancy
2. **Evaluation of the Parasight Platform for Malaria Diagnosis** by Yochay Eshe, Houry-Yafin, Haga Benkuzari, Natalie Lezmy, Mamta Soni, Malini Charles, Jayanthi Swaminathan, Hilda Solomon, Pavithra Sampathkumar, Zul Premji, Caroline Mbithi, Zaitun Nneka, **Simon Onsongo**, Daniel Maina, Sarah Levy-Schreier, Caitlin Lee Coheh, Dan Gluck, Joseph Joel Pollak and Seth J. Salpeter

### **PUBLISHED POSTERS**

1. Pre-analytical errors: An experience from a university hospital in a developing country. Biochimica clinica 2013 volume 37 ss s335
2. C. difficile is still rare despite increasing antibiotic use in Kenya. Biochimica 2013 volume 37 ss s138
3. Internet Based Calculation of Estimated Glomerular Filtration (eGFR) When Automatic Reporting by Laboratory Information System LIS) Is Not Feasible

### **CONFERENCES ATTENDED/ABSTRACTS PRESENTED IN CONFERENCES**

1. PATH POINT 2012: Adequacy and findings of bone marrow aspirates in University Teaching hospital
2. IAP 2012: Antiretroviral resistance among heavily treated patients in a University teaching hospital in Kenya
3. ISLH Mentorship initiative 2017-2018 ISLH Meeting in Honolulu, Hawaii.
4. Oral Presentation: Chronic Myeloid leukemia, the power of partnerships in KACP Meeting in Turtle Bay Beach Resort, Watamu in Malindi- November 2017
5. IFCC WorldLab in Durban: Internet Based Calculation of Estimated Glomerular Filtration (eGFR) When Automatic Reporting by Laboratory Information System LIS) Is Not Feasible

6. Haematology Society of Australia and New Zealand 2016 Annual Scientific Meeting Melbourne Convention & Exhibition Centre 13-16 November 2016
7. Kenya Society of Haematology and Oncology (KESHO) International Meeting 2016
8. Kenya Pediatrics Association Annual Meeting/Conference at Acacia Hotel in Kisumu, Kenya, Presented a poster on Good performance of sicklescan in diagnosis of sickle cell disease in Kenya.
9. Third Scientific Conference of the Haematology and Oncology Society of Africa ( HOSA) held in May 2017 at Crowne Plaza Hotel from 31<sup>st</sup> to 2<sup>nd</sup> June 2017.

#### **ONGOING WORK**

1. Clinical disease profile among sickle cell patients seen western Kenya
2. Risk factors for Pulmonary thromboembolism among patients in western Kenya
3. Reporting of critical values in clinical laboratories in western Kenya.
4. Clinical profile of CML patients in western Kenya

#### **PROFESSIONAL ORGANIZATIONS**

1. Kenya Medical and Dentists Board Registration Number: A6624
2. Infection Prevention Network of Kenya-Member No.66
3. Kenya Association of Clinical Pathologists (KACP)
4. European Hematology Association-Membership Number: 018556
5. The International Society on Thrombosis and Haemostasis (ISTH)
6. International Society for Quality in Healthcare (ISQua), Membership ID: 1006261
7. Clinical Chemists Association of Kenya

#### **LANGUAGES**

English  
Kiswahili

#### **HOBBIES**

Travelling  
Photography  
Reading