

## MICHAEL AGYEMANG OBENG

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### PERSONAL STATEMENT

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A dedicated Early Career Research Scientist who is well-versed in clinical laboratory protocols. Able to work in Microbiology, Immunology, Hematology, Clinical Chemistry and Histopathology laboratories with little or no supervision. Strong ability to learn, quality-focused, result-driven and a collaborative team player with good communication and problem-solving skills.

### EDUCATION

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**Bachelor of Science in Medical Laboratory Science (Second Class Upper)**

June 2017

Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana

### RESEARCH EXPERIENCE

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**Research Scientist (Biomedical Scientist)**

November 2018 – Date

**Kumasi Center for Collaborative Research in Tropical Medicine (KCCR) / Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana**

- Designed and executed independent research, as Principal Investigator on Hepatitis B viral infection.
- Organizing hepatitis B vaccination programs for schools, churches and employees of various institutions in Ashanti region, Ghana.
- Training PhD and masters' students in the diagnosis of Onchocerciasis disease.
- Assisting postgraduate students in their research work by way of laboratory experiments, data analysis and thesis writing.
- Palpation, taking skin biopsy and doing microscopic examination using inverted microscope for microfilaria identification in the diagnosis of onchocerciasis in endemic communities in Ghana.
- Preparing contents for updating project websites that engages the attention of other researchers and research funders.

**Research Assistant**

**July, 2018 - October 2018**

**Komfo Anokye Teaching Hospital, Kumasi, Ghana**

- Explaining research procedures to potential study participants and obtaining informed consent
- Carrying out phlebotomy on study participants, centrifuging and aliquoting blood to obtain blood components and freezing them in liquid nitrogen

**Medical Laboratory Scientist**

**September 2017 – July 2018**

**Komfo Anokye Teaching Hospital, Kumasi, Ghana**

- Teaching undergraduate clinical students by means of practical demonstration of Microbiological procedures
- Performing Microbiological test (semen analysis, culture and sensitivity on urine, blood, stool, CSF, sputum, wound swab, high vaginal swab, Urine and stool routine examination)
- Performing hormonal test (thyroid function test,  $\beta$ -HCG, PSA, fertility profile)
- Tissue processing, staining and the preparation of slides for histopathological diagnosis.
- Performing agarose gel electrophoresis on amplicons / PCR products for visualization

### PROFESSIONAL AFFILIATION

- Allied Health Professions Council (AHPC), Ghana
- Ghana Association of Biomedical Laboratory science (GABMLS), Ghana
- Federation of Ghana Medical Laboratory Science (FG-MELSA), Ghana
- Medical Laboratory Technology (MELTS), KNUST, Ghana

**VOLUNTEERING WORKS:** Public education on hepatitis B viral infection on national media stations, both television and FM stations (2017 to date), as well as onchocerciasis and lymphatic filariasis endemic communities (2018 to date) to organized groups such as communities, schools and churches.

**JOURNAL REVIEW EXPERIENCE:** Reviewer for African Health Sciences Journal

### **RELEVANT SHORT COURSES/TRAININGS AND ACHIEVEMENTS**

Good Clinical Practice by Food and Drugs Board, Ghana	August 2023
REDCap data entry workshop	November 2021
Scientific Manuscript Writing by Global Health Network	March 2021
Educational Pathways International Scholarship award	2014-2017
Best graduating students' award (High School)	August, 2013

### **RELEVANT SKILLS**

Written and oral communication skills	Project managements and data analysis skills
Interpersonal and leadership skills	Leadership, teamwork and networking skills

### **LIST OF PUBLICATIONS**

Debrah LB, Gyasi C, Ahiadorme M, Rahamani AA, Opoku VS, Obeng P, Osei-Mensah J, **Obeng MA**, Mensah DA, Debrah AY. Association of haemato-biochemical indices and blood composite ratios with microfilaridermia in Onchocerciasis patients. *BMC Infectious Diseases*. 2024 Apr 8;24(1):384.

**Obeng MA**, Okwan DK, Adankwah E, Owusu PK, Gyamerah SA, Duah KB, Paintsil EK. Seroconversion and prevalence of Hepatitis B surface antigen among vaccinated health care workers in Ashanti Region, Ghana. *Advances in Medicine*. 2023 Dec 19;2023.

Okwan DK, Scott GY, Takyi P, Boateng CO, Antwi PB, Abrampah AA, **Obeng MA**. "A multi-centre cross-sectional study on hepatitis B vaccination coverage and associated factors among personnel working in health facilities in Kumasi, Ghana" *Manuscript submitted to PLOS Glob Public Health*

Adu-Mensah D, Debrah LB, Boateng J, Ahiadorme M, Osei-Mensah J, Opoku V S, **Obeng M A**, Kuutiero E K, Opoku J, Rahamani A A, Amponsem S, Obeng P, Gyasi C, Debrah A Y "Occurrence of onchocerciasis infection after decades of MDA in the Western North region of Ghana: The case of Sefwi Akontombra district" *Manuscript submitted to BMCs parasites and Vectors*



13/06/2024