

Curriculum Vitae



Personal information

First name, Surnames **Elijah, Atta Manu**
Address Department of Physiology, KSMD, KNUST.
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Nationality Ghanaian
Date of birth 15th January
Gender Male

Career objectives To advance knowledge in biomedical science as an active research scientist and university lecturer.

Research areas of interest entail Molecular Biology; Cell signalling, Signal transduction and Cancer research.

Work Experience

Aug 2020 – Date

Assistant Lecturer

Department of Physiology
Kwame Nkrumah University of Science and Technology

Duties include offering lectures and practical demonstrations in Physiology to medical and allied health science students. Also assist in the running of the MPhil Physiology postgraduate programme.

Sept 2017 – May 2018

Graduate Assistant

Department of Physiology, School of Medicine and Dentistry,
Kwame Nkrumah University of Science and Technology

Duties included assisting other students with data analysis, laboratory procedures and writeup, holding tutorial and practical sessions for medical and allied health science students and attending to other general departmental and faculty needs.

Aug 2016 – Aug 2017

Teaching and Research Assistant

Department of Physiology, School of Medicine and Dentistry,
Kwame Nkrumah University of Science and Technology (KNUST), Ghana.

Jun 2014 – Jul 2014

Phlebotomist and Laboratory Assistant (Intern)

Department of Haematology
Komfo Anokye Teaching Hospital (KATH), Kumasi, Ghana.

Education and training

Sept 2017 – Jun 2020 **Postgraduate Education**
Title of Qualification MPhil Human Physiology
Research topic Proliferative and Metastatic markers (Ki-67 and MUC1) in breast cancer at Komfo Anokye Teaching Hospital.
Techniques employed Tissue processing, Histology, Immunohistochemistry, Microscopy.
Institution Kwame Nkrumah University of Science and Technology, Ghana.

Sept 2012 – Jun 2016 **Undergraduate Education**
Title of qualification awarded BSc Biological Sciences (First Class Honours)
Principal subjects/occupational skills covered Modules taken include: Cell structure and function, Human Anatomy and Physiology, Microbiology, Genetics and Genetic engineering,
Institution Kwame Nkrumah University of Science and Technology
Country Ghana

Past Research Experience

Topic Proliferative and Metastatic markers (Ki-67 and MUC1) in breast cancer at Komfo Anokye Teaching Hospital.
Techniques employed Tissue processing, Histology, Immunohistochemistry, Microscopy.
Topic Microbial Quality of Hibiscus Tea (Locally called Sobolo) *bacterial confirmation with PCR.
Techniques employed Cell culturing, DNA extraction, amplification, gel electrophoresis and light microscopy.

Conferences/workshops/seminars

Workshop Loop-Mediated isothermal amplification of DNA (LAMP) assay – February 2020
Facilitators Prof. Mathew Glover Addo (TAB, KNUST)
Prof. Soerge Kelm (University of Bremen, Germany)
Conference 12th Annual scientific conference of the Convention of Biomedical Research Ghana (COBReG) – July, 2019. **(Oral presenter)**
Conference 3rd Annual scientific conference of Anatomical Society of Ghana – June, 2019
Workshop Science-Direct/Scopus workshop – February, 2019
Facilitators Elsevier/Prempeh II Library
Workshop Elsevier Author Workshop: How to Publish in Peer Review Journals– February, 2019
Facilitators Nancy de Waard Axelrod and Paola Barr

Workshop Week of Bioinformatics – October, 2018
Facilitator Prof. David L. Tabb (Stellenbosch University, S.A)

Seminar Merits and demerits of Genetically modified foods (Seminar) – October, 2015
Facilitator Dr. Marian Quain

Publications

Ameh-Mensah, C., Duduyemi, B. M., Bedu-Addo, K., **Atta Manu, E.**, Opoku, F., & Titiyoye, N. (2021). The Analysis of bcl-2 in Association with p53 and Ki-67 in Triple Negative Breast Cancer and Other Molecular Subtypes in Ghana. Journal of Oncology, 2021. <https://doi.org/10.1155/2020/9752952>

Titiyoye, N. A., Bedu-Addo, K., **Atta Manu, E.**, Ameh-Mensah, C., Opoku, F., & Duduyemi, B. M. (2021). Breast lesions and cancer: histopathology and molecular classification in a referral hospital in Ghana. Alexandria Journal of Medicine, 57(1), 130-136. <https://doi.org/10.1080/20905068.2021.1907960>

Atta Manu, E., Bedu-Addo, K., Titiyoye, N. A., Ameh-Mensah, C., Opoku, F., & Duduyemi, B. M. (2020). Expression of tumour-associated MUC1 is a poor prognostic marker in breast cancer in Kumasi, Ghana. Journal of oncology, 2020. <https://doi.org/10.1155/2020/9752952>

Mother tongue Akan

Other languages English (Advanced user) and French (Basic user)

- Personal skills and competences**
- Excellent communication skills gained through my teaching experience.
 - Excellent operational and management skills on basic laboratory equipment.
 - Experience in Histopathology techniques and Cytology staining.
 - Experience in molecular techniques such as PCR, ELISA, Immunohistochemistry, and LAMP.
 - Good data management and statistical analysis skills.
 - Good computer skills, with knowledge in networking and Python programming.
 - Leadership ability gained from my experience as a research committee member and Senate representative.

- Social and Extracurricular activities**
- Member, Research and Conference Planning committee for School of Medicine and Dentistry, KNUST, October 2020 to present.
 - Research committee representative (Graduate Students Association) for College of Health Sciences, KNUST, for 2018/2019 academic year
 - Senate representative for postgraduates in the Department of Physiology, 2018/2019 academic year.
 - Hobbies include playing video games, swimming, watching movies and listening to music.