**Samuel Nkansah Darko, PhD**

**Corresponding Address**

Department of Molecular Medicine

Kwame Nkrumah University of Science and Technology

UPO, KNUST

Kumasi

Ghana

Email: s.darko28@knust.edu.gh

Tel: +233 242 185 228

**Nationality**

Ghanaian

**Date of birth**

10th February 1987

**EDUCATION**

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| --- | --- |
| PhD Chemical Pathology. | Kwame Nkrumah University of Science and Technology (July 2018) |
| Msc. Biotechnology. | Kwame Nkrumah University of Science and Technology (June, 2013) |
| Bsc. Biochemistry. | Kwame Nkrumah University of Science and Technology (June, 2009) |

**CAREER OBJECTIVES**

An astute academician and clinical trial scientist having strong bridges with industry.

**RESEARCH/ACADEMIC EXPERIENCE**

* **Member of Faculty; Lecturer** (2020)

Department of Molecular Medicine, School of Medicine and Dentistry, KNUST-Kumasi

* **Post-Doctoral Fellow/ Study Co-ordinator** (2018)

Leading a team of researchers as part of a consortium to solve the puzzle of “Hypertension Susceptibility among African Migrants”, through a transcontinental cohort design**.**

Kumasi Centre for Collaborative Research in Tropical Medicine, KNUST-Kumasi

* **Next Generation Scientist Fellow** (2018)

Underwent a three-month scientific internship on Mass Spectrometry based analysis of Type 2 diabetes mellitus Peptide Biomarkers.

Trained in leadership and communication skills.

Novartis Institute of Biomedical Research/University of Basel, Basel-Switzerland

* **Biomedical** **Scientist** – (2014 to 2018)

Responsible for sample collection, processing and laboratory analysis (biochemical, immunological and molecular) for the Non-Communicable Disease Research Group.

Kumasi Centre for Collaborative Research in Tropical Medicine, KNUST-Kumasi

* **Science Tutor**- (2013 to 2013)

Taught first year students Integrated Science

Assemblies of God Senior High School, Kwadaso-Kumasi

* **Post Graduate Assistant** - (2011 to 2012)

Conducted laboratory sessions on foundational biochemistry and analytical biochemistry for first and third year biochemistry students respectively.

Lead postgraduate discussions on bioethics and biosafety.

Department of Biochemistry and Biotechnology, KNUST

* **Principal Investigator**- (2011 to 2012)

Comparative diagnosis of Urinary tract infection using Dipstick, Microbiological culture and PCR methods in school-going adolescents

Department of Biochemistry and Biotechnology, KNUST

* **Research Assistant** (2009 to 2010)

Conducted laboratory sessions on foundational biochemistry and analytical biochemistry for first and third year biochemistry students respectively.

Responsible for sample taking and conducting of haematological, biochemical and serological assays at the Department’s clinical analysis laboratory.

Department of Biochemistry and Biotechnology, KNUST

* **Undergraduate thesis** (2009)

Antihypertensive action of ethanolic extract of *Imperata cylindrica* in animal models

Department of Biochemistry and Biotechnology, KNUST

**RESEARCH INTERESTS**

Biomarker identification in type 2 diabetes mellitus, hypertension and obesity

Ethnic variations in drug metabolism

Molecular diagnostics of human papillomavirus

Public health

**AWARDS**

Next Generation Scientist Program by Novartis and University of Basel (2018)

Fellowship, West African Health Research Network (2017)

Mentorship Grant by Medical Education Partnership Initiative (2014)-Co-Investigator

Dean’s Honorary List by Faculty of Biosciences KNUST (2008)

**WORKSHOPS AND CONFERENCES**

Research Paper Writing Workshop and Retreat; Organized by the Office of Grants and Research, KNUST and held at the IDL Conference Room, KNUST Kumasi, July 30th –August 1st 2019.

Good Clinical Practices; Organized by Ghana Food and Drugs Board and held at the Agogo Presbyterian Hospital, Asante-Akyem Agogo, 23rd - 24th July, 2019

Next Generation Scientist Program; Organized by Novartis and University of Basel and held at the Novartis Institute of Biomedical Research Basel, June 1st - September 1st 2018.

3rd Scientific Conference; Organized by West African Health Research Network and held in Cotonou Benin, March 5 – 7th 2018.

Training in Health Research Methodology; Organized by West African Health Research Network and held at Bobo-Dioulasso, Burkina Faso, December 11- 15th 2017.

Introduction to Basics of Epidemiology using STATA; Organized by German Center for Infection Research (DZIF) and KCCR and held in Kumasi Ghana, November 13th- 17th, 2017.

4th Strategic Information Dissemination Forum 2017; Organized by Ghana AIDS Commission and held in Kumasi Ghana, September 27th -28th, 2017.

Junior Researchers Training on Proposal Writing and Small Grant Program; Organized by Research and Development Department, Ghana Health Service/USAID and held in Accra Ghana, July 26 – 30th, 2017.

Project Management and Contract Negotiations; Organized by USAID Evaluate and held at the Kumasi Centre for Collaborative Research in Tropical Medicine (KCCR), June 19-20th, 2017.

The Role of Research Administrators in the Pre-Award Stage; Organized by Office of Grants and Research, Kwame Nkrumah University of Science and Technology (KNUST) Kumasi and held at the KNUST, June 5th, 2017.

Introduction to Clinical Research and Development; Organized by WHO-TDR/KCCR and held at the Kumasi Centre for Collaborative Research in Tropical Medicine Kumasi Ghana, May 15-26th, 2017.

USAID/GHS Capacity Building Training; Organized by Evaluate Ghana (USAID/GHS) held at the: Kumasi Centre for Collaborative Research in Tropical Medicine Kumasi Ghana, February 27-28th, 2017.

Research Administrators Workshop; Organized by Building Stronger Universities II/ Office of Grants and Research, held at the: Kwame Nkrumah University of Science and Technology Kumasi Ghana, November, 29-30th, 2016.

RODAM Conference; Organized by RODAM Consortium and held at the Noguchi Memorial Institute of Medical Research Ghana, September 7th- 8th, 2015.

Ghana Biomedical Convention; Organized by Ghana Biomedical Convention and held at the University of Ghana, July 29th – 31st, 2015.

Research branding; Organized by Office of Grants and Research, KNUST/Thomas Reuters and held at the: Kwame Nkrumah University of Science and Technology Kumasi Ghana, March 19th, 2015.

Manuscript Writing Workshop: Organized by Medical Education Partnership Initiative (MEPI) Ghana held in Kumasi Ghana, February 10-13th, 2015.

Demystifying (US-NIH) Grant Applications; Paths to Successful Grant Writing: Organized by Office of Grants and Research, KNUST at the Great Hall Conference Room Kwame Nkrumah University of Science and Technology Kumasi Ghana, January 7-9th, 2015.

Annual Seminar Presentations; Organized by Graduate Students’ Association of Ghana and held at the Great Hall, Kwame Nkrumah University of Science and Technology, Kumasi-Ghana, March 21st, 2012.

Course on Biosafety and Bioethics; Organized by the Department of Biochemistry and Biotechnology Kwame Nkrumah University of Science and Technology (KNUST), Kumasi and held at Department of Biochemistry Kumasi-Ghana, Sept -Nov, 2010.

**PUBLICATIONS/EXHIBITIONS**

**Darko, S.N.,** Meeks, K.A.C., Owiredu, W.K.B.A., Laing E.F. et al (2021). Anthropometric indices and their cut-off points in relation to type 2 diabetes among Ghanaian migrants and non-migrants: The RODAM study, *Diabetes Research and Clinical Practice*; 173:108687

**Darko, S.N.,** Owiredu, W.K.B.A., Yar, D. et al (2019). Markers of Oxidative Stress and Inflammation in only Diabetic and Obese Ghanaian Populations: The RODAM Study, *The Open Diabetes Journal*:9 (1), 8-15

**Darko, S.N.,** Charmont, S., Avrameas, A. and Schuhmann I. (2018). Mass Spectrometry based analysis of Type 2 Diabetes Mellitus Peptide Biomarkers; Poster presented at the Next Generation Scientist Research Day, 29th August 2018, Basel Switzerland.

**Darko, S.N**. (2017). Diabetes and Hypertension Co-morbidity with HIV in patients on ARTs within the Kumasi Metropolis. *J Metabolic Synd*: 6; 3 (Suppl)

Yar, D.D., Salifu, S.P., **Darko, S.N.** et al (2016). Genotypic characterisation of human papillomavirus infections among persons living with HIV infection; a case-control study in Kumasi, Ghana, Trop Med Int Health: 21(2): 275-281. doi: 10.1111/tmi.12645.

**Darko, S.N.,** Yar, D.D., Owusu-Dabo, E. et al. (2015). Variations in pro-inflammatory biomarkers associated with type 2 diabetes mellitus and hypertension between rural and urban settings in the Ashanti Region of Ghana, *BMC Endocrine Disorders*: 15(50), **doi:**10.1186/s12902-015-0047-9.

**Darko, S.N**., Nsiah, K. and Twumasi, P., (2013). **Prevalence of** papC **and** usp**Virulence Factors in Uropathogenic** Escherichia coli **Causing Asymptomatic Urinary Tract Infections in Adolescents, *BMRJ*: 3(3), 423-430.**

**REFEREES**

Prof. Ellis Owusu-Dabo

Principal Investigator SETA Study, KCCR-KNUST/,

Dean, School of Public Health KNUST

Kumasi, Ghana.

Contact number:+233201964425

E-mail: [eowusu-dabo.chs@knust.edu.gh/owusudabo@yahoo.com](mailto:eowusu-dabo.chs@knust.edu.gh/owusudabo@yahoo.com)

Dr. WKBA Owiredu

Senior Lecturer

Department of Molecular Medicine

KCCR-KNUST,

Kumasi, Ghana.

Contact number: +233209017760

E-mail: [wkbao](mailto:twumasipeter@gmail.com)wiredu@yahoo.com

Prof. Francis Agyemang-Yeboah

Associate Professor

Department of Molecular Medicine

KCCR-KNUST,

Kumasi, Ghana.

Contact number: +233245005500

E-mail: [fayeboah.sms@knust.edu.gh/drfay1801@gmail.com](mailto:fayeboah.sms@knust.edu.gh/drfay1801@gmail.com)