

nCURRICULUM VITAE

Mrs. Lilian Antwi Boateng

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Education

<u>School</u>	<u>Date</u>	<u>Degree</u>
University of Liverpool, Department of International Public Health, Liverpool School of Tropical Medicine campus, Pembroke Place, Liverpool. L3 5QA, United Kingdom	July 2021	PhD
University of Westminster, 115 New Cavendish Str., London, W1W 6UW, United Kingdom	Sept. 2011	MSc. Biomedical Science
Kwame Nkrumah University of Science and Technology, PMB, Kumasi, Ghana	Jun. 2009	BSc. (Hons) Biomedical Sciences

Other trainings

<u>School</u>	<u>Date</u>	<u>Certificate</u>
Liverpool School of Tropical Medicine, Pembroke Place, Liverpool. L3 5QA, United Kingdom	2018	Professional certificate in Higher education support learning
University of Michigan (University of Michigan Health systems, blood bank reference lab)	Oct 2013-. March 2014	Fellowship in blood transfusion

Previous Appointments

2020-2023	International Society of Blood Transfusion Young Professionals Council Member, Africa Region representative
2019-2023	Member, Scientific and Research Committee, Ghana Association of Medical Laboratory Scientists
2017-2018	Post graduate students' Social representative, Liverpool School of Tropical Medicine, United Kingdom
June 2015-Sept 2017	Member, Faculty of Allied Health Sciences Nursing Diploma Terminal Exam and Faculty Exam Officer, Faculty of Allied Sciences, KNUST
Mar 2015-Mar 2017	Member, Finance Committee, Ghana Association of Medical Laboratory Scientists
July 2015-Aug 2015	Member, Committee to Consider Modalities for the Conduct of Diploma Examinations, Faculty of Allied Health Sciences, KNUST

Feb 2015-March 2015	Member, Committee for the organisation of a 3-day workshop for senior members of the Faculty of Allied Health Sciences
2012- 2014:	Department examination officer, Medical Lab. Tech. Dept.
July 2013-Sept 2017	Resource Person, Workshop on Pre-analytical errors in clinical laboratory Practice
2013-Date	Coordinator University of Westminster and KNUST exchange student programme
2013- Date:	Ministry of Health Examiner, Nurses and Midwifery National Diploma Examination team
2012- Date:	Member, National Accreditation Team

Employment History

Jan 2012 to date:	Lecturer Haematology/immunohaematology Unit, Medical Lab Tech Department, KNUST Duties include teaching, research, and service to the University
March 2012- Jan 2013:	Biomedical Scientist, Medilab Diagnostics, Kumasi Duties include staff training in good laboratory practices and developing standard operating procedures (SOPS), Phlebotomy, blood film preparation, staining of slides, running haematology samples on Sysmex, Cell dynn. Group and save, antibody screening, extended panel, crossmatching of blood and blood issue, running chemistry samples, culture and sensitivity, electrophoresis.
Dec 2010-Sept 2011	Medical Laboratory Assistant at West Middlesex University Hospital, London United Kingdom Duties include traceability of transfusion record forms, group and save, RBC antibody screening and identification, crossmatching of blood and blood issue
July 2009- Sept 2010	Research Assistant at Kumasi Centre for collaborative research into tropical medicine (KCCR)-KNUST Duties include DNA extraction, ELIZA, Sorting of samples, Data entry, Autoclaving, fridge temperature control and monitoring
Aug 2009- Aug 2010	Intern Biomedical scientist at KNUST Hospital Duties include phlebotomy, blood film preparation, staining of slides, running haematology samples on Sysmex, Cell dynn. Group and save, antibody screening, extended panel, crossmatching of blood and blood issue, running chemistry samples, culture and sensitivity, electrophoresis.

Key Achievements; Honours, Awards and Grants

2020	International Society of Blood Transfusion I TRY IT member
2019	International Society of Blood Transfusion Harold Gunson Fellowship
2017	Scholarship, Commonwealth Scholarship Commission Programme, 2017
2017	Research grant- Science Technology Engineering and Mathematics Seed grant (STEM) supplementary grant, University of Michigan
2011	Distinction, Master of Science, University of Westminster, MSc. Biomedical Science, London United Kingdom.
2014	Research grant- Science Technology Engineering and Mathematics Seed grant, University of Michigan
2013	Scholar, University of Michigan African Presidential Scholars' Programme (UMAPS)
2012	Research grant -DANIDA Building Stronger University seed grant
2010	Scholarship, KNUST-University of Westminster linkage scholarship
2009	Overall best graduating student of the college of Health Sciences with First Class Honours in Medical Laboratory Technology, KNUST

Professional Affiliations

2009-date	Ghana Association of Biomedical Laboratory Scientist (GABMLS)
2012 to date	University Teachers' Association of Ghana (UTAG)
2018 to date:	International Society of Blood Transfusion (ISBT)
2019 to date:	British Society of Haematology (BSH)

Conferences, Seminars and Workshops

2 nd – 8 th June 2021	Conference, International Society of Blood Transfusion in focus, virtual
24 th – 28 th April 2021	Conference, British Society of Haematology annual scientific meeting, virtual
12-14 Dec 2020	Conference, International Society of Blood Transfusion, virtual
9 th – 13 th November	Conference, British Society of Haematology annual scientific meeting, virtual
13 Feb-12 June, 2020	International Society of Blood Transfusion (ISBT I TRY IT) 6 months training in study design and protocol development of transfusion medicine research.
22nd- 26 th June, 2019	Conference, International Society of Blood Transfusion (ISBT), Basel Switzerland
11 th April 2019	I followed a Master Class with Prof Willem Ouwehand, Sanquin Blood Supply, Amsterdam, The Netherlands
2nd- 6 th June, 2018	Conference, International Society of Blood Transfusion (ISBT), Toronto Canada
2 nd March 2018	Education and Training- Northwest Transfusion Practitioners working group, Liverpool Blood Centre Estuary, Liverpool
15 th Aug- 16 th Aug, 2016	KNUST Summer School for Senior Members, Great Hall, KNUST Kumasi
29 th Oct -2 nd Nov, 2014	BSU course on Research Communication, Faculty of Pharmacy, KNUST, Kumasi-Ghana
11 th -12 th Oct 2013	African Social Research Initiative Bi-Annual Conference, Rackham Assembly Hall, University of Michigan, United States of America
Sept- Dec 2014	Training Workshop on Academic Writing, Department of African Studies, University of Michigan, United States of America
6 th - 9 th June 2013	BSU Workshop on Strategic Communication and Transfer of Research to Policy-Noguchi Memorial Institute for Medical Research, University of Ghana, Accra- Ghana
19th July, 2013	Ghana Association of Biomedical Laboratory Scientist 2013 Annual Regional Congress and Scientific Conference, Golden Tulip Hotel, Kumasi-Ghana
18 th -22 nd Mar 2013	BSU Grant and Proposal Writing Course-African Royal Beach Hotel, Nungua, Ghana
3rd -5th June 2011	Conference on Human genetics, Cape Town, South Africa
5th -6th June 2011	Young Researchers Forum, H3 Africa, South Africa

Relevant Research Work Undertaken

1. Principal investigator, Investigation of post-transfusion red blood cell alloimmunisation in transfused patients with sickle cell disease in Ghana, **2017-2021**
2. Co- Principal Investigator, Antibody screening and identification, a step to reducing mortality among Sickle Cell Disease (SCD) patients, **2015-2017**
3. Principal investigator, Alloimmunisation in sickle cell disease patients: effect of RBC antigen matching, **2014**
4. Principal-investigator, Blood group Antibody screening and identification among multi transfused patients at Komfo Anokye Teaching Hospital, **2012-2013**
5. Co-Investigator, Implementation of antibody screen and identification testing procedures at Kwame Nkrumah University of Science and Technology (KNUST), **2013**

Publications

Osei-Owusu W, Ntiamoah DO, Asare Akuffo G, Mintaah S, Owusu M, Sackey B, **Boateng LA**, Abdul G, Annani-Akollor M, Owiredo EW, Debrah AY & Addai-Mensah O, (2021) Coagulation abnormalities in childhood acute lymphoblastic leukemia: assessing the impact of L-asparaginase therapy in Ghana. *Thrombosis Journal*, vol 19 issue 44 pp1-8

Boateng AL, Schonewille H, Ligthart P, Javadi A, Veldhuisen B, Adomako Y, Osei-Akoto A, Bates I, Schoot EVD, (2021), One third of alloantibodies in patients with sickle cell disease transfused with African blood are missed by the standard red blood cell test panel, *Haematologica* Epub ahead of print

Danquah KO, Mensah K, Nkansah C, Appiah, SK, Noagbe M, Hardy Y, Ntiamoah DO, **Boateng AL**, Annani-Akollor MA, Owiredo WE, Debrah AY, Addai-Mensah O, (2020), Molecular Characterization of Glucose-6-Phosphate Dehydrogenase: Do Single Nucleotide Polymorphisms Affect Hematological Parameters in HIV-Positive Patients? *Journal of Tropical Medicine*, vol 2020 pp.1-7

Boateng AL, Ngoma AM., Bates I, Schonewille H (2019) Red Blood Cell Alloimmunization in Transfused Patients with Sickle Cell Disease in Sub-Saharan Africa; a Systematic Review and Meta-Analysis'. *Transfusion Medicine Reviews*, Vol 33, Issue 3, pp. 162-1693.

Boateng AL, Campbell AD, Davenport RD, Osei-Akoto A, Hagan S, Asamoah A, Schonewille H., (2019). Red blood cell alloimmunization and minor red blood cell antigen phenotypes in transfused Ghanaian patients with sickle cell disease. *Transfusion* 59(6): 2016-2022

Addai-Mensah O, Gyamfi D, Amponsah FA, Annani-Akollor MA, Danquah KO, **Boateng L**, Owiredo WE, Afriyie EY, Duneeh RV, Asare R, Ntiamoah DO, Boateng R (2019) "Antierythropoietin Antibody Production Is Not Associated with Malaria and Malaria-Related Anaemia in Humans," *The Scientific World Journal*, 2019 1- 9

Addai-Mensah O, Gyamfi D, Duneeh RV, , Annani-Akollor MA, **Boateng L**, Owiredo WE, Amponsah FA Afriyie EY, Asare R, Ntiamoah DO., (2019) Determination of Haematological Reference Ranges in Healthy Adults in Three Regions in Ghana. *The Scientific World Journal*, 2019 1- 6.

Ofori DN, Addai-Mensah O, **Boateng AL**, Anane K, Owiredo EW., (2019). Reference Interval of Prothrombin Time and Activated Partial Thromboplastin Time and Their Association with Age among Healthy Adults in Kumasi, Ghana *Science Domain international*, DOI: 10.9734/AHRJ/2018/46507

Opoku- Okrah C, Sam DK, Nkum B, Dogbe E, **Boateng AL**, Sackey B, Gyamfi D, Danquah KO., (2016). Sports anaemia and anthropometric evaluation of footballers at Kwame Nkrumah University of Science and Technology. *The Pan African Medical Journal*, 24:25.

Boateng AL, Schonewille H, Sackey B, Owusu-Ofori S, Afriyie E., (2014). Prevalence of Red blood cell antibodies among patients transfused at Komfo Anokye Teaching Hospital, Ghana. *Journal of Science and Technology* 34 (3) 27-34.

Abstracts accepted at Conferences, Seminars and Workshops

Hammond D, Sackey S, **Boateng LA**, Opoku S, Owusu-Ofori SP, Asamoah-Akuoko L, Debrah AY (2021) Blood donor's knowledge, practices and perception about blood donation during covid-19 pandemic in Ghana, *Proceedings of 9th Biennial Scientific Conference of the College of Health Sciences, Kwame Nkrumah University of Science and Technology, School of Business conference room (accepted for oral presentation)*

Asamoah-A, **Boateng LA**, Sackey S, Kwawununu F, Amankwah B, Gyasi SF, Ntiamoah DO, Schonewille H, (2021), Neonatal jaundice due to ABO fetomaternal incompatibility: A prevalence and severity study, *Proceedings of 9th Biennial Scientific Conference of the College of Health Sciences, Kwame Nkrumah University of Science and Technology, School of Business conference room (accepted for poster presentation)*

Boateng LA, Gleadell N, Lane W, Ligthart P, Javadi A, Soussan A, Twumasi-Oteng AK, Duku J, Asamoah-Akuoko L, Owusu-Ofori S, Schonewille H, Bates I, Veldhuisen B, Schoot EVD, (2021), Validation of blood group genotyping array on Ghanaian blood samples. *Proceedings of the 31st Regional Congress of the International Society of Blood Transfusion, virtual meeting (Accepted for poster presentation)*

Boateng LA, Schonewille H, Ligthart P, Javadi A, Veldhuisen B, Adomako Y, Osei-Akoto A, Bates I, Schoot EVD, (2020). Red blood cell antibodies and adverse transfusion events in multi-transfused patients with sickle cell disease in Ghana. *Proceedings of the British Society of Haematology 2020 Annual Society Meeting, Virtual meeting, (Abstract accepted for poster presentation)*

Boateng LA, Schonewille H, Ligthart P, Javadi A, Veldhuisen B, Adomako Y, Osei-Akoto A, Bates I, Schoot EVD, (2019), Red blood cell antibodies in transfused patients with sickle cell disease in Ghana; prevalence, specificities and risk factors. *proceedings of the 29th the International Congress of ISBT, Basel, Switzerland. (Abstract accepted for oral presentation)*

Boateng LA, Campbell AD, Davenport RD, Akoto AYO, Schonewille H, Hagan S, (2018) Red blood cell antigens and red cell alloimmunisation in sickle cell disease patients in Ghana, *proceedings of the 35th the International Congress of ISBT, Toronto Canada. (Abstract accepted for poster presentation)*

Boateng LA, Campbell A, Schonewille H., (2014), Alloimmunization in transfused sickle cell patients: Effect of RBC antigen matching. *International journal of laboratory hematology*, 36(S1):118. Abstract 705.

Opoku- Okrah C, Sam DK, **Boateng AL**, Sackey B, Nkum B, Gyamfi D, Danquah KO, Sports anaemia and anthropometric evaluation of footballers at Kwame Nkrumah University of Science and Technology. (Abstract Accepted)

Duku L. (2014). Alloimmunization in transfused sickle cell patients: Effect of Red blood cell antigen matching. *Proceedings of University of Michigan African Presidential Scholars Programme Research symposium II*

Ackah-Bonwin E, Sackey B, **Boateng AL**, (2013). Pre-analytical Error in the Haematology Laboratory, Komfo Anokye Teaching Hospital. *Proceedings of 1st Regional Conference of Ghana Association of Biomedical Scientist Association, Ghana*

Nationality: Ghanaian

Language competency: Professional fluency in English and other local Ghanaian languages. Excellent written English competency.

References

Prof. Imelda Bates Prof. of tropical haematology Head, Capacity Research Unit Department of International Public Health Liverpool School of Tropical Medicine Pembroke Place, Liverpool L3 5QA Email: Imelda.bates@lstmed.ac.uk	Prof. Dr. Ellen van der Schoot Experimental Immunohematology Lab Sanquin Blood Supply Plesmanlaan 125, 1066 CX Amsterdam, Netherlands E-mail: e.vanderschoot@sanquin.nl	Prof. Alexander Yaw Debrah Dean, faculty of Allied Health Sciences, Kwame Nkrumah University of Science and Technology (KNUST) PMB, Kumasi, Ghana E-mail: yadebrah@yahoo.com	Dr. Henk Schonewille Experimental Immunohematology Lab Sanquin Blood Supply Plesmanlaan 125, 1066 CX Amsterdam, Netherlands Email: h.schonewille@sanquin .nl
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