

BENEDICT SACKEY

## PERSONAL INFORMATION

Name: Benedict Sackey

Address: Dept., Medical Diagnostics  
College of Health Sciences,  
KNUST, Kumasi - Ghana.

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## EDUCATION

April, 2016 – 2020

Faculty of Medicine, University of Cologne, Germany

Doctoral Thesis:

Elucidate role of DNA damage response in tumor-macrophage Interaction within the tumor microenvironment (Prof. Christian Pallasch Lab., CECAD)

26<sup>th</sup> Aug. – 1<sup>st</sup> Oct. 2009

NUPAD, School of Medicine, Federal University of Minas Gerais, Belo Horizonte, Brazil.

**Certificate**

Newborn Screening for Sickle Cell Disease and other Haemoglobinopathies.

May, 2007-Aug.2008

Liverpool School of Tropical Medicine, U.K.

**Certificate**

Professional Diploma, Project Design and Management.

Thesis Topic

*“Evaluating Pre -Analytical Errors Affecting the Quality of Specimen for Laboratory Investigations at KATH”*.

Aug, 2003 – June, 2008

Kwame Nkrumah University of Science and Technology  
Kumasi, Ghana. (School of Medical Sciences)

**Certificate**

Master of Philosophy in Clinical Biochemistry.

Thesis Topic

*“A study to Elucidate the Impact of Direct Nutritional Intervention /Supportive Therapy on the Health and Quality of Life of People Living with HIV/AIDS”*.

Sept, 1998-Jun, 2002

Kwame Nkrumah University of Science and Technology  
Kumasi, Ghana. (College of Health Sciences).

**Certificate** Bsc. (Hons.) Medical Laboratory Technology

Dissertation: *“Granulocytosis Causes Sickle Cell Crisis”*.

Jan, 1994-Nov. 1996 St. John’s Secondary School, Sekondi, W/R.

**Certificate** Senior Secondary School Certificate

Jul, 1991-1993 Nana Katabra “A” Junior Secondary School Kojokrom, W/R.

**Certificate** Basic Education Certificate.

### WORK EXPERIENCE

- Lecturer- Haematology, Department of Medical Laboratory Technology, KNUST- Kumasi. Oct., 2011 – May, 2015. (Study leave)
- Laboratory Manager, Garden City Hospital, Asokore-Mampong – Kumasi. 2009 – 2012.
- Haematology Tutor – DOSONEC Health Care Institute, Patasi-Kumasi, Ghana Aug. 2010 - 2011
- Senior Biomedical Scientist - Haematology Department, Komfo Anokye Teaching Hospital, Kumasi Ashanti Region Oct. 2003 - 2011.
- Biomedical Scientist - Clinical Laboratory Component, Sickle Cell Foundation of Ghana - Center Sickle Cell Disease, (Kumasi) 2005 - 2008.
- Haematology Demonstrator – Department of Medical laboratory Technology, College of Health Sciences, Kwame Nkrumah University of Science and Technology 2003 – 2009.
- Clinical Internship at the Komfo Anokye Teaching Hospital, Kumasi - Ghana. (Departments involved; Haematology, Clinical Biochemistry, Clinical Microbiology and the Histopathology departments, Nov. 2002 – Oct. 2003.
- Medical Laboratory attachment at Effia Nkwanta Regional Hospital – Sekondi, 2001.

### COURSES/WORKSHOPS & CONFERENCES ATTENDED

- Participant- Grant and Proposal Writing Workshop by Department of International Health, Immunology and Microbiology, University of Copenhagen, Denmark – 18<sup>th</sup> March, 2013.
- Participant- HIV and Chronic Viral Hepatitis Conference, Golden Tulip, Kumasi – Ghana, July- 13<sup>th</sup> – 15<sup>th</sup>, 2011.

- Continuous Professional Development Workshop on Microscopy, KATH, Kumasi – Ghana, 6<sup>th</sup> July, 2011.
- Participant- Quality Assurance Training in Newborn Screening for Haemoglobin Disorders, CDC, the Georgia Public Health Laboratory Newborn Screening Program, Atlanta, and Comprehensive Sickle Cell Center at the Children’s Hospital of Philadelphia, Pennsylvania, USA. Sept. 2010.
- Participant - 1<sup>st</sup> Global Congress on Sickle Cell Disease, Accra - Ghana, July 20<sup>th</sup> - 23<sup>rd</sup>, 2010.
- Participants - 5<sup>th</sup> Brazilian Symposium on Sickle Cell Disease and other Haemoglobinopathies. Belo Horizonte, State of Minas Gerais, Brazil. October, 2009.
- Participant- Workshop on Infection and Prevention Control – July, 2008.
- Participant- Rational Use of Medicine by Drug and Therapeutic Committee – May, 2008.
- Participant- Workshop on Performance Management – March, 2008.
- Resource Person - Quality Assurance in Clinical Laboratory Practice workshop. Kwame Nkrumah University of Science and Technology, 2007.
- Participant - Workshop on Laboratory Quality Assurance Awareness, by Ghana Health Service, and Taylor & Taylor Company Ltd. 7<sup>th</sup> – 8<sup>th</sup> September, 2005.
- Participant- 5<sup>th</sup> International Africa Symposium on Sickle Cell Disease, Accra- Ghana. 19<sup>th</sup> – 22<sup>nd</sup> July, 2005.

### APPOINTMENTS

- Examination Officer – Faculty of Allied Health Sciences, KNUST. Aug. 2012 – March, 2015.
- Chief Invigilator – Faculty of Allied Health Sciences, KNUST. – March, 2012-Aug. 2012
- Examination officer –Dept. of Medical Lab. Technology, KNUST. - Oct., 2011-Aug. 2012.
- Member – National Technical Advisory Committee on Newborn Screening for Sickle Cell Disease in Ghana. 10<sup>th</sup> December, 2010.
- External Examiner - Professional Qualifying Examination of Medical Laboratory Technician Program at Rural Health Training School, Kintampo. 3<sup>rd</sup> – 13<sup>th</sup> August, 2009.
- Member - Accreditation Panel of National Accreditation Board for assessing Diploma in Medical Laboratory Technology Programme at Narh-Bita College, Tema. 14<sup>th</sup> July, 2009.
- Member - Committee for Strategic Scale-up of National Newborn Screening for Sickle Cell Disease Programme of Ghana Health Service. 21<sup>st</sup> – 23<sup>rd</sup> January, 2009.
- Quality Control Officer - Haematology Dept. Komfo Anokye Teaching Hospital. October 2003 – 2006 and 2009 – 2011.

### CORRABORATIVE PROJECTS WORKED ON

- The GlaxoSmithKline group of companies - A multi-centre, randomized, double-blind study to compare the efficacy and safety of chlorproguanil-dapsone-artesunate versus chlorproguanil - dapsone in the treatment of acute uncomplicated Plasmodium falciparum malaria in children, adolescents and adults in Africa. Jan. 2006 – May, 2007.
- Newborn screening for Sickle Cell Disease, Sickle Cell Foundation of Ghana. 2005-2008.
- Kumasi Sickle Cell Infection Study. May, 2006 – March, 2008.

### CONFERENCES/ AT WHICH PAPERS/ABSTRACTS WERE PRESENTED

1. Osei-Owusu, W., D. O. Ntiamoah, G. A. Akuffo, S. Mintaah, M. Owusu, **B. Sackey**, L. Antwi-Boateng, G. Abdul, M. Annani-Akollor, E.-W. Owiredu, A. Y. Debrah and O. Addai-Mensah (2021). "Coagulation abnormalities in childhood acute lymphoblastic leukemia: assessing the impact of L-asparaginase therapy in Ghana." *Thrombosis Journal* **19**(1): 44. <https://doi.org/10.1186/s12959-021-00297-4>
2. Abbam G, Tandoh S, Tetteh M, Afrifah DA, Annani-Akollor ME, Owiredu E-W, Gyasi C , Adu-Gyamfi C, **Sackey B**, Debrah AY, Otchere Addai-Mensah et al. (2021) Reference intervals for selected haematological and biochemical parameters among apparently healthy adults in different eco-geographical zones in Ghana. *PLoS ONE* **16**(1): e0245585. <https://doi.org/10.1371/journal.pone.0245585>
3. Izquierdo, E., D. Vorholt, **B. Sackey**, J. L. Nolte, S. Blakemore, J. Schmitz, V. Barbarino, N. Nickel, D. Bachurski, L. Lobastova, M. Nikolic, M. Michalik, R. Brinker, O. Merkel, R. Neuhaus, M. Koch, G. Knittel, L. Frenzel, H. C. Reinhardt, M. Peifer, R. Rebolledo-Rios, H. Bruns, M. Krüger, M. Hallek and C. Pallasch (2020). "Loss of TP53 mediates suppression of Macrophage Effector Function via Extracellular Vesicles and PDL1 towards Resistance against Chemoimmunotherapy in B-cell malignancies." *bioRxiv*: 2020.2006.2011.145268.
4. Vorholt, D., Izquierdo-Alvarez, E., **Sackey, B.**, Schmitz, J., Nickel, N., Blakemore, S.,... Pallasch, C. (2018). DNA Damage-Response Pathway in Lymphoma Determines Interactions with Macrophages By Altered PD-Li Expression and Fxosome Formation. In *BLOOD*. San Diego, CA: WASHINGTON: AMER SOC HEMATOLOGY. DOI: [10.1182/blood-2018-99-120264](https://doi.org/10.1182/blood-2018-99-120264)
5. Boateng L.A, Schonewille H., **Sackey B.**, Owusu-Ofori S. Afriyie, E. (2015). Prevalence of red blood cell antibodies among transfused patients at Komfo Anokye Teaching (KATH) Hospital, Ghana. *Journal of Science and Technology, Ghana*.
6. Ackah-Bonwin E, **Sackey B**, Boateng A I, (2013). Pre-analytical errors in the haematology laboratory, Komfo Anokye Teaching Hospital. *Proceedings of 1<sup>st</sup> Regional Conference of Ghana Association of Biomedical Scientist*.

7. Opoku-Okrah C, Sam DK, Nkum B, Dogbe EE, Antwi-Boateng L, Sackey B, Gyamfi D, Danquah KO. Sports anaemia and anthropometric evaluation of footballers at Kwame Nkrumah University of Science and Technology (KNUST). *Pan Afr Med J*. 2016 May 9;24:25. doi: 10.11604/pamj.2016.24.25.7244. PMID: 27583089; PMCID: PMC4992372.
8. Yeboah F.A, **Sackey B** Oti-Boateng P. (2007). Impact of direct nutritional intervention and palliative care on the health status of people living with HIV/AIDS in rural and urban poor of Ghana. *IAS (Sydney)* · Abstract: A-042-0113-00872.

#### PROFESSIONAL MEMBERSHIPS/ASSOCIATION

- Universities Teachers Association (UTAG). Oct., 2011.
- Member, Ghana Biomedical Scientists Association. 2003 - 2009.
- Member, Health Workers Union of Ghana. 2003 – 2009.
- Medical Laboratory Technology Students' Association, KNUST, 2002 – 2005.

#### REFEREES

##### REFEREES

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