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QUALIFICATIONS

2006	PhD in Microbiology, Swiss Tropical and Public Health Institute, University of Basel, Basel
2000	Master of Science in Applied Molecular Biology of Infectious Diseases, London School of Hygiene and Tropical Medicine
1992	BSc (Hons) Biochemistry, Kwame Nkrumah University of Science and Technology, Kumasi

POSITIONS HELD

2018-Present	Deputy Director, West-African Centre for Cell Biology of Infectious Pathogens, UG
2017-Present	Professor of Microbiology, Department of Bacteriology, NMIMR, UG
2008-Present	Lecturer, Department of Biochemistry, University of Ghana, Accra
2012-2018	Head, Department of Bacteriology, NMIMR, UG
2012-2017	Associate Professor, NMIMR, UG
2012-2014	Lecturer, School of Pharmacy, UG
2009-2012.	Senior Research Fellow, NMIMR, UG
2006-2009	Research Fellow, NMIMR, UG

RESEARCH EXPERIENCE

- Management of big projects and working in large consortium
- Diagnosis, host – pathogen interactions, and molecular epidemiology of bacterial diseases of public health importance
- Comparative genomics and transcriptomics to understand implication of genomic diversity among *M. tuberculosis* Complex lineages.
- Specialized expertise in cultivation methods of *Mycobacterium ulcerans*,
- Extensive expertise in sero-epidemiology of Buruli ulcer as well as host genetics of *M. ulcerans*
- Profiling of diarrhoeal causing pathogen using Next Generation Sequencing
- High expertise in Biosafety Level 3 (BSL3) laboratory approaches.

AWARDS AND HONORS

1. Royal Society Africa Prize Award, 2018
2. Award for promotion of Biomedical Science in Ghana, Ghana Biomedical Convention, July 2015.
3. Wellcome Trust Fellowship, 2012-2017
4. PhD Fellowship from Amt für Ausbildungsbeiträge des Kantons Basel-Stadt, 2003-2006
5. Ghana Government Scholarship, 1999-2000
6. JICA Counterpart Trainee Fellowship, 1996

MEMBERSHIP OF PROFESSIONAL BODIES AND BOARDS

- Member of Council, Trinity Theological Seminary, Ghana (2018-present)
- Executive member, Federation of African Immunological Societies (2017-present)

- Chairperson, Advisory Board, National Tuberculosis Control Program (2015-present)
- International Society for Infectious Diseases (2014-present)
- Member, National Buruli ulcer Control Steering Committee (2013-2019)
- International Union against Tuberculosis and Lung Disease (2011-present)
- WHO Global Network of Laboratories Confirming *Mycobacterium ulcerans* Infection (Buruli ulcer) (2008-present)
- American society for Microbiology (2002 to present)

SELECTED RESEARCH GRANTS

Years	Role	Funder	Value
2020-25	PI	EDTCP-GSK Senior Fellowship Impact of Diabetes on TB disease and Treatment Outcome in Ghana	€498,750
2019-23	Site - PI	NIHR-Stigmatised skin disease	£4,998,142
2018-23	Co-Ap	EDCTP <i>PANDORA-ID NET-Rapid research, response, relief and preparedness for infectious disease epidemics</i>	€10,000,000
2016-21	Co-Ap	EDCTP <i>WANETAM-Conducting clinical trials, research and control of poverty-related diseases</i>	€3,000,000
2016-17	PI	Sight Savers UK <i>Surveillance towards elimination of trachoma in the Northern part of Ghana</i>	\$71,356
2015-16	PI	UBS Optimus Foundation <i>Capacity Building</i>	\$83,014
2013-16	Site PI	Volkswagen Foundation <i>From Buruli anti-mycobacterial treatment to Ulcer wound healing</i>	€397, 900
2012-17	PI	Wellcome Trust Intermediate Fellowship <i>Understanding the genomic diversity between <i>Mycobacterium africanum</i> and <i>M. tuberculosis</i></i>	\$828,855
2012-15	PI	STOP Buruli 2 funded by the UBS Optimus Foundation <i>Towards effective control of Buruli ulcer</i>	CHF1, 161,259
2008-11	PI	UBS Optimus Foundation	CHF633, 600

SELECTED PUBLICATIONS (110 peer reviewed journal articles and 13 book chapters) <https://pubmed.ncbi.nlm.nih.gov/?term=yeboah-manu&sort=date>

1. Asare P, Osei-Wusu S, Baddoo AN, Bedeley E, Otchere ID, Brites D, Loiseau C, Asante-Poku A, Prah DA, Borrell S, M, Omari MA, Forson A, Koram KA, Gagneux S, **Yeboah-Manu D**. Genomic epidemiological analysis identifies high relapse among individuals with recurring tuberculosis and provides evidence of recent household-related transmission of tuberculosis in Ghana. *Int J Infect Dis* . 2021 Mar 2;106:13-22. doi: 10.1016/j.ijid.2021.02.110.
2. Asare P, Otchere ID, Bedeley E, Brites D, Loiseau C, Baddoo NA, ... **Yeboah-Manu D**. Whole Genome Sequencing and Spatial Analysis Identifies Recent Tuberculosis Transmission Hotspots in Ghana. *Frontiers in Medicine*. 2020;7(161).

3. Otchere ID, van Tonder AJ, Asante-Poku A, Sánchez-Busó L, Coscollá M, Osei-Wusu S, Asare P, Aboagye SY, Ekuban SA, Yahayah AI, Forson A, Baddoo A, Laryea C, Parkhill J, Harris SR, Gagneux S, **Yeboah-Manu D**. Molecular epidemiology and whole genome sequencing analysis of clinical *Mycobacterium bovis* from Ghana. PLoS One. 2019 Mar 4; 14(3):e0209395. doi: 10.1371/journal.pone.0209395. eCollection 2019.
4. Otchere ID, Coscollá M, Sánchez-Busó L, Asante-Poku A, Brites D, Loiseau C, Meehan C, Osei-Wusu S, Forson A, Laryea C, Yahayah AI, Baddoo A, Ansa GA, Aboagye SY, Asare P, Borrell S, Gehre F, Beckert P, Kohl TA, N'dira S, Beisel C, Antonio M, Niemann S, de Jong BC, Parkhill J, Harris SR, Gagneux S, **Yeboah-Manu D**. Comparative genomics of *Mycobacterium africanum* Lineage 5 and Lineage 6 from Ghana suggests distinct ecological niches. Sci Rep. 2018 Jul 26;8(1):11269. doi: 10.1038/s41598-018-29620-2.
5. Osei-Wusu, S., Amo Omari, M., Asante-Poku, A., Darko Otchere, I., Asare, P., Forson, A., . . . **Yeboah-Manu, D**. (2018). Second-line anti-tuberculosis drug resistance testing in Ghana identifies the first extensively drug-resistant tuberculosis case. Infection and Drug Resistance, Volume 11, 239-246. doi:10.2147/IDR.S152720.
6. **Yeboah-Manu D**, Aboagye SY, Asare P, Asante-Poku A, Ampah K, Danso E, Owusu-Mireku E, Nakobu Z, Ampadu E. Laboratory confirmation of Buruli ulcer cases in Ghana, 2008-2016. PLoS Negl Trop Dis. 2018; 12(6): e0006560.
7. Addison NO, Pfau S, Koka E, Aboagye S, Kpeli G, Pluschke G, **Yeboah-Manu D**, Junghanss T. Assessing and Managing Wounds of Buruli Ulcer Patients at the Primary and Secondary Health Care Levels in Ghana. PLoS Negl Trop Dis. 2017; 11(2): e0005331. doi:10.1371/journal.pntd.0005331
8. Kpeli G, Bultjens AH, Giulieri S, Owusu-Mireku E, Aboagye SY, Baines S, Seemann T, Bulach D, Goncalves da Silva A, Monk IR, Howden B, Pluschke G, **Yeboah-Manu D**, Stinear T. Genomic analysis of ST88 Community-Acquired methicillin resistant *Staphylococcus aureus* in Ghana. PeerJ 2017; 5:e3047; DOI 10.7717/peerj.3047
9. Kpeli G, Otchere ID, Lamelas A, Bultjens AL, Bulach D, Baines SL, Seemann T, Giulieri S, Nakobu Z, Aboagye SY, Owusu-Mireku E, Pluschke G, Stinear TP, **Yeboah-Manu D**. Possible health-care associated transmission as a cause of secondary infection and population structure of *Staphylococcus aureus* isolates from two wound treatment centers in Ghana. New Microbes and New Infections. 2016; 13:92–101. doi: 10.1016/j.nmni.2016.07.001
10. Ampah KA, Nickel B, Asare P, Ross A, De-Graft D, Kerber S, ., Spallek R, Singh M, Pluschke G, **Yeboah-Manu D**, Roltgen K. A Sero-epidemiological Approach to Explore Transmission of *Mycobacterium ulcerans*. PLoS Negl Trop Dis. 2016; 10(1):e0004387. doi:10.1371/journal.pntd.0004387.
11. Otchere ID, Asante-Poku A, Osei-Wusu S, Baddoo A, Sarpong E, Ganiyu AH, Aboagye SY, Forson A, Bonsu F, Yahayah AI, Koram K, Gagneux S, **Yeboah-Manu D**. Detection and characterization of drug-resistant conferring genes in *Mycobacterium tuberculosis* complex strains: A prospective study in two distant regions of Ghana. Tuberculosis. 2016; doi:http://dx.doi.org/10.1016/j.tube.2016.05.014.
12. Tuffour J, Owusu-Mireku E, Ruf MT, Aboagye S, Kpeli G, Akuoku V, Pereko J, Paintsil A, Bonney K, Ampofo W, Pluschke G, **Yeboah-Manu D**. Challenges Associated with Management of Buruli Ulcer/Human Immunodeficiency Virus Coinfection in a Treatment Center in Ghana: A Case Series Study. Am J Trop Med Hyg. 2015; 93(2):216-23. http://doi.org/10.4269/ajtmh.14-0571
13. **Yeboah-Manu D**, Kpeli GS, Ruf M-T, Asan-Ampah K, Quenin-Fosu K, Owusu-Mireku E, Paintsil A, Lamptey I, Anku B, Kwakye-Maclean C, Newman M, Pluschke G. Secondary Bacterial Infections of Buruli Ulcer Lesions Before and After Chemotherapy with Streptomycin and Rifampicin. PLoS Neglected Tropical Diseases, 2013; 7(5). http://doi.org/10.1371/journal.pntd.0002191
14. **Yeboah-Manu D**, Roltgen K, Opare W, Asan-Ampah K, Quenin-Fosu K, Asante-Poku A, Ampadu E, Fyfe J, Koram K, Ahorlu C, Pluschke G. Sero-epidemiology as a tool to screen populations for exposure to *Mycobacterium ulcerans*. PLoS Negl Trop Dis. 2012; 6(1):e1460. http://doi.org/10.1371/journal.pntd.0001460.
15. Diaz D, Dobeli H, **Yeboah-Manu D**, Mensah-Quainoo E, Friedlein A, Soder N, Rondini S, Bodmer T, Pluschke G. Use of the immunodominant 18-kiloDalton small heat shock protein as a serological marker for exposure to *Mycobacterium ulcerans*. Clin Vaccine Immunol. 2006; 13(12):1314-21. http://doi.org/10.1128/CVI.00254-06.
16. **Yeboah-Manu D**, Peduzzi E, Mensah-Quainoo E, Asante-Poku A, Ofori-Adjei D, Pluschke G, Daubenberger CA. Systemic suppression of interferon-gamma responses in Buruli ulcer patients resolves after surgical excision of the lesions caused by the extracellular pathogen *Mycobacterium ulcerans*. J Leukoc Biol. 2006; 79(6):1150-6. http://doi.org/10.1189/jlb.1005581.