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| **CURRICULUM VITAE**  **Dr MICHAEL FRIMPONG BSc, PhD** |

DATE OF BIRTH: 15th September 1983

MARITAL STATUS: Married with one child

NATIONALITY: Ghanaian

ADDRESS: Kumasi Centre for Collaborative Research

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Kwame Nkrumah University of Science and

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**ACADEMIC QUALIFICATIONS (EDUCATION):**

1. Doctor of Philosophy (PhD), Kwame Nkrumah University of Science and Technology, June 2015
2. Postgraduate Certificate (PGCert. Molecular Diagnostics) Ludwig-Maximillians University, Munich-Germany, February, 2013
3. Bachelor of Science (BSc Medical Laboratory Technology) Kwame Nkrumah University of Science and Technology, June 2006
4. Secondary School Certificate Examination (West Africa): St. James Seminary School, Ghana, 2001.

**OTHER CERTIFICATES**

1. Certificate on Good Clinical Practice, 2018, 2020 Ghana FDA
2. Certificate in Development of Rapid Point of Need Molecular System for the Detection of Emerging and Endemic Pathogens, University of Goettingen, Germany, September 2017
3. Certificate in Research Project Management, USAID/Ghana Evaluate for Health Project, June 2017
4. Certificate on Good Clinical Practice, University Medical Centre-Groningen (UMCG), June 2012

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| **ACADEMIC/RESEARCH POSITION** |

**PRESENT ROLES**

1. Lecturer – Department of Molecular Medicine, KNUST School of Medicine and Dentistry, College of Health Sciences, KNUST, Kumasi (August 2020 – date)
2. Postdoctoral Research fellow - System Genomics Section, National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), Maryland, USA, July 2021-June 2023

**PREVIOUS ROLE**

1. Senior Research Fellow – Kumasi Centre for Collaborative Research, KNUST, Kumasi, Ghana (August 2019 – July 2020)
2. Postdoctoral Research Fellow (BU Group) - Buruli ulcer Control and Research Group, Kumasi Centre for Collaborative Research in Tropical Medicine, Kumasi, (January 2016 – July 2019)
3. Research Assistant, Institute of Infection and Immunity, St. George’s University of London, London-UK, (May 2014 to December 2015)
4. Senior Laboratory Technologist, Kumasi Centre for Collaborative Research in Tropical Medicine, Kumasi (February, 2008- August 2011)

**EDITORIAL DUTIES**

1. Guest Editor of Special Issue: Point of Need Testing of Infectious Diseases – Tropical Medicine and Infectious Disease, an Open Access Journal by MDPI
2. Ad Hoc Manuscript Reviewer for:
   1. PLOS Neglected Tropical Disease, 2017 to date
   2. Journal of Tropical Diseases & Public Health, 2016 to date

**Professional overview:** <https://documentcloud.adobe.com/link/track?uri=urn:aaid:scds:US:7c8a70b7-2143-4ca6-a66f-d6f9029e23dd>

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| **AWARDS AND FELLOWSHIPS** |

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| 1 | **EDCTP Mobilization of research funds for COVID-19 as a Public Health Emergency -** COVID-19 diagnostics for Africa. October 2020 |
| 2 | **EDCTP Mobilization of research funds for COVID-19 as a Public Health Emergency -** Multi-country blinded study to evaluate the suitcase lab for rapid detection of SARS-COV-2. October 2020 |
| 3 | **ARNTD Small Grants Program (SGPII) –** Field evaluation of a mobile lab suitcase employing Recombinase Polymerase Amplification for detection of *S. haematobium*. January 2019 |
| 4 | **EDCTP Travel award** – Support participation of the Ninth EDCTP Forum 2018, in Lisbon Portugal. June 2018 |
| 5 | **TWAS-DFG Cooperation Visit** Programme for Scientists from Sub-Sahara Africa – Fund cooperation visit to Georg-August University, Goettingen, Germany. July 2018. |
| 6 | **EDCTP Career Development Fellowship** - Develop and Evaluate a rapidpoint of care diagnostic test for Buruli ulcer disease. July 2017 |
| 7 | **International Society for Infectious Diseases Grant -** Conduct a Proof ofConcept study in Developing a rapid diagnostic test for Buruli ulcer using recombinase polymerase amplification. August 2016 |

**RESEARCH AREAS OF INTEREST**

Infectious diseases with particular interest in:

* Next Generation Sequencing/bioinformatics
* Emerging Infectious diseases
* Immunopathogenesis of infectious diseases
* Development of diagnostic tools for resource-limited settings
* Computational biology

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| **PUBLICATIONS ARISING OUT OF RESEARCH** |

**2021**

1: Amoako YA, Ackam N, Omuojine JP, Oppong MN, Owusu-Ansah AG, Boateng H, Abass MK, Amofa G, Ofori E, Okyere PB, **Frimpong M**, Bailey F, Molyneux DH, Phillips RO. Mental health and quality of life burden in Buruli ulcer disease patients in

Ghana. Infect Dis Poverty. 2021 Aug 17;10(1):109. doi:

10.1186/s40249-021-00891-8. PMID: 34404483; PMCID: PMC8367773.

2: Amoako YA, Ackam N, Omuojine JP, Oppong MN, Owusu-Ansah AG, Abass MK, Amofa G, Ofori E, **Frimpong M**, Bailey F, Molyneux DH, Phillips RO. Caregiver burden in Buruli ulcer disease: Evidence from Ghana. PLoS Negl Trop Dis. 2021 Jun

1;15(6):e0009454. doi: 10.1371/journal.pntd.0009454. PMID: 34061828; PMCID:

PMC8195390.

3: **Frimpong M**, Amoako YA, Anim KB, Ahor HS, Yeboah R, Arthur J, Dakorah JS,

Gborgblovor D, Akrofi S, Sekyi-Djan P, Owusu M, Sylverken AA, Binger T, Phillips

RO. Diagnostics for COVID-19: A case for field-deployable, rapid molecular tests

for community surveillance. Ghana Med J. 2020 Dec;54(4 Suppl):71-76. doi:

10.4314/gmj.v54i4s.11. PMID: 33976444; PMCID: PMC8087371.

4: Owusu M, Sylverken AA, El-Duah P, Ayisi-Boateng NK, Yeboah R, Adu E, Asamoah

J, **Frimpong M**, Senyo J, Acheampong G, Mutocheluh M, Amuasi J, Owusu-Dabo E, Adu-Sarkodie Y, Phillips RO. Low risk of SARS-CoV-2 in blood transfusion. PLoS One.

2021 Apr 13;16(4):e0249069. doi: 10.1371/journal.pone.0249069. PMID: 33848293;

PMCID: PMC8043372.

5: Amoako YA, Loglo AD, **Frimpong M**, Agbavor B, Abass MK, Amofa G, Ofori E,

Ampadu E, Asiedu K, Stienstra Y, Wansbrough-Jones M, van der Werf T, Phillips

RO. Co-infection of HIV in patients with Buruli ulcer disease in Central Ghana.

BMC Infect Dis. 2021 Apr 8;21(1):331. doi: 10.1186/s12879-021-06009-7. PMID:

33832460; PMCID: PMC8028811.

6: Sylverken AA, El-Duah P, Owusu M, Schneider J, Yeboah R, Ayisi-Boateng NK,

Gorman R, Adu E, Kwarteng A, **Frimpong M**, Binger T, Aryeetey S, Asamoah JA,

Amoako YA, Amuasi JH, Beheim-Schwarzbach J, Owusu-Dabo E, Adu-Sarkodie Y, Obiri-Danso K, Corman VM, Drosten C, Phillips R. Transmission of SARS-CoV-2 in

northern Ghana: insights from whole-genome sequencing. Arch Virol. 2021

May;166(5):1385-1393. doi: 10.1007/s00705-021-04986-3. Epub 2021 Mar 15. PMID:

33723631; PMCID: PMC7959303.

7: Simpson H, Tabah EN, Phillips RO, **Frimpong M**, Maman I, Ampadu E, Timothy J,

Saunderson P, Pullan RL, Cano J. Mapping suitability for Buruli ulcer at fine

spatial scales across Africa: A modelling study. PLoS Negl Trop Dis. 2021 Mar

3;15(3):e0009157. doi: 10.1371/journal.pntd.0009157. PMID: 33657104; PMCID:

PMC7959670.

8: **Frimpong M**, Kyei-Tuffuor L, Fondjo LA, Ahor HS, Adjei-Kusi P, Maiga-Ascofare

O, Phillips RO. Evaluation of a real-time recombinase polymerase amplification

assay for rapid detection of Schistosoma haematobium infection in resource-

limited setting. Acta Trop. 2021 Apr;216:105847. doi:

10.1016/j.actatropica.2021.105847. Epub 2021 Jan 23. PMID: 33497617.

9: El Wahed AA, Patel P, Maier M, Pietsch C, Rüster D, Böhlken-Fascher S,

Kissenkötter J, Behrmann O, **Frimpong M**, Diagne MM, Faye M, Dia N, Shalaby MA,

Amer H, Elgamal M, Zaki A, Ismail G, Kaiser M, Corman VM, Niedrig M, Landt O,

Faye O, Sall AA, Hufert FT, Truyen U, Liebert UG, Weidmann M. Suitcase Lab for

Rapid Detection of SARS-CoV-2 Based on Recombinase Polymerase Amplification

Assay. Anal Chem. 2021 Feb 2;93(4):2627-2634. doi: 10.1021/acs.analchem.0c04779.

Epub 2021 Jan 20. PMID: 33471510; PMCID: PMC7839158.

**2020**

10: Amoako YA, Phillips RO, Arthur J, Abugri MA, Akowuah E, Amoako KO, Marfo BA, **Frimpong M**, van der Werf T, Ravensbergen SJ, Stienstra Y. A scabies outbreak in the North East Region of Ghana: The necessity for prompt intervention. PLoS Negl

Trop Dis. 2020 Dec 22;14(12):e0008902. doi: 10.1371/journal.pntd.0008902. PMID:

33351803; PMCID: PMC7787682.

11: **Frimpong M**, Simpson SV, Ahor HS, Agbanyo A, Gyabaah S, Agbavor B, Amanor IB, Addo KK, Böhlken-Fascher S, Kissenkötter J, Wahed AAE, Phillips RO. Multiplex

Recombinase Polymerase Amplification Assay for Simultaneous Detection of

Treponema pallidum and Haemophilus ducreyi in Yaws-Like Lesions. Trop Med Infect Dis. 2020 Oct 6;5(4):157. doi:10.3390/tropicalmed5040157. PMID:33036234; PMCID: PMC7709673.

12: Collinson S, Frimpong VNB, Agbavor B, Montgomery B, Oppong M, **Frimpong M**,

Amoako YA, Marks M, Phillips RO. Barriers to Buruli ulcer treatment completion

in the Ashanti and Central Regions, Ghana. PLoS Negl Trop Dis. 2020 May

26;14(5):e0008369. doi: 10.1371/journal.pntd.0008369. PMID: 32453800; PMCID:

PMC7274448.

13: Asare R, Opoku-Okrah C, Danquah KO, Opare-Sem O, Addai-Mensah O, Gyamfi D, Amponsah FA, Afriyie EY, Duneeh RV, Ofosu DN, **Frimpong M**. Assessment of platelet indices and platelet activation markers in children with Plasmodium falciparum

malaria. Malar J. 2020 Apr 8;19(1):143. doi: 10.1186/s12936-020-03218-4. PMID:

32268918; PMCID: PMC7140500.

14: Phillips RO, Robert J, Abass KM, Thompson W, Sarfo FS, Wilson T, Sarpong G,

Gateau T, Chauty A, Omollo R, Ochieng Otieno M, Egondi TW, Ampadu EO, Agossadou D, Marion E, Ganlonon L, Wansbrough-Jones M, Grosset J, Macdonald JM, Treadwell T, Saunderson P, Paintsil A, Lehman L, **Frimpong M**, Sarpong NF, Saizonou R, Tiendrebeogo A, Ohene SA, Stienstra Y, Asiedu KB, van der Werf TS; study team. Rifampicin and clarithromycin (extended release) versus rifampicin and

streptomycin for limited Buruli ulcer lesions: a randomised, open-label, non-

inferiority phase 3 trial. Lancet. 2020 Apr 18;395(10232):1259-1267. doi:

10.1016/S0140-6736(20)30047-7. Epub 2020 Mar 12. PMID: 32171422; PMCID:

PMC7181188.

**2019**

15: **Frimpong M**, Ahor HS, Sakyi SA, Agbavor B, Akowuah E, Phillips RO. Rapid

Extraction Method of Mycobacterium ulcerans DNA from Clinical Samples of

Suspected Buruli Ulcer Patients. Diagnostics (Basel). 2019 Nov 26;9(4):204. doi:

10.3390/diagnostics9040204. PMID: 31779247; PMCID: PMC6963521.

16: Wadagni AC, Steinhorst J, Barogui YT, Catraye PM, Gnimavo R, Abass KM, Amofa

G, **Frimpong M**, Sarpong FN, van der Werf TS, Phillips R, Sopoh GE, Johnson CR,

Stienstra Y. Buruli ulcer treatment: Rate of surgical intervention differs highly between treatment centers in West Africa. PLoS Negl Trop Dis. 2019 Oct 28;13(10):e0007866. doi: 10.1371/journal.pntd.0007866. PMID: 31658295; PMCID: PMC6855495.

17: **Frimpong M**, Agbavor B, Duah MS, Loglo A, Sarpong FN, Boakye-Appiah J, Abass KM, Dongyele M, Amofa G, Tuah W, Frempong M, Amoako YA, Wansbrough-Jones M, Phillips RO. Paradoxical reactions in Buruli ulcer after initiation of antibiotic therapy: Relationship to bacterial load. PLoS Negl Trop Dis. 2019 Aug 26;13(8):e0007689. doi: 10.1371/journal.pntd.0007689. PMID: 31449522; PMCID: PMC6709892.

18: Asare R, Opoku-Okrah C, Danquah KO, Opare-Sem O, Addai-Mensah O, Gyamfi D, Amponsah FA, Afriyie EY, Duneeh RV, Ofosu DN, **Frimpong M**. Expression of platelet parameters and platelet membrane glycoproteins in childhood Burkitt lymphoma. Leuk Res. 2019 Sep;84:106189. doi: 10.1016/j.leukres.2019.106189. Epub 2019 Jul 12. PMID: 31326577.

19: Amoako YA, **Frimpong M**, Awuah DO, Plange-Rhule G, Boakye-Yiadom E, Agbavor B, Sarpong F, Ahor H, Adu E, Danso KG, Abass MK, Asiedu K, Wansbrough-Jones M, Phillips RO. Providing insight into the incubation period of Mycobacterium

ulcerans disease: two case reports. J Med Case Rep. 2019 Jul 18;13(1):218. doi:

10.1186/s13256-019-2144-2. PMID: 31315637; PMCID: PMC6637553.

20: Simpson H, Deribe K, Tabah EN, Peters A, Maman I, **Frimpong M**, Ampadu E,

Phillips R, Saunderson P, Pullan RL, Cano J. Mapping the global distribution of

Buruli ulcer: a systematic review with evidence consensus. Lancet Glob Health.

2019 Jul;7(7):e912-e922. doi: 10.1016/S2214-109X(19)30171-8. PMID: 31200890;

PMCID: PMC6614043.

21: **Frimpong M**, Ahor HS, Wahed AAE, Agbavor B, Sarpong FN, Laing K, Wansbrough-Jones M, Phillips RO. Rapid detection of Mycobacterium ulcerans with isothermal recombinase polymerase amplification assay. PLoS Negl Trop Dis. 2019 Feb1;13(2):e0007155. doi: 10.1371/journal.pntd.0007155. PMID: 30707706; PMCID:

PMC6373974.

**2018**

22: Loglo AD, **Frimpong M**, Sarpong Duah M, Sarfo F, Sarpong FN, Agbavor B, Boakye-Appiah JK, Abass KM, Dongyele M, Frempong M, Pidot S, Wansbrough-Jones M, Stinear TP, Roupie V, Huygen K, Phillips RO. IFN-γ and IL-5 whole blood response directed against mycolactone polyketide synthase domains in patients with

Mycobacterium ulcerans infection. PeerJ. 2018 Jul 31;6:e5294. doi:

10.7717/peerj.5294. PMID: 30090691; PMCID: PMC6078848.

23: Dekker D, Krumkamp R, Eibach D, Sarpong N, Boahen KG, **Frimpong M**, Fechtner E, Poppert S, Hagen RM, Schwarz NG, Adu-Sarkodie Y, Owusu-Dabo E, Im J, Marks F, Frickmann H, May J. Characterization of Salmonella enterica from invasive

bloodstream infections and water sources in rural Ghana. BMC Infect Dis. 2018

Jan 19;18(1):47. doi: 10.1186/s12879-018-2957-4. PMID: 29351771; PMCID:

PMC5775569.

**2017**

24: Sarpong-Duah M, **Frimpong M**, Beissner M, Saar M, Laing K, Sarpong F, Loglo AD, Abass KM, Frempong M, Sarfo FS, Bretzel G, Wansbrough-Jones M, Phillips RO.

Clearance of viable Mycobacterium ulcerans from Buruli ulcer lesions during

antibiotic treatment as determined by combined 16S rRNA reverse transcriptase

/IS 2404 qPCR assay. PLoS Negl Trop Dis. 2017 Jul 3;11(7):e0005695. doi:

10.1371/journal.pntd.0005695. PMID: 28671942; PMCID: PMC5510892.

**2016**

25: Boakye-Appiah JK, Steinmetz AR, Pupulampu P, Ofori-Yirenkyi S, Tetteh I,

**Frimpong M**, Oppong P, Opare-Sem O, Norman BR, Stienstra Y, van der Werf TS,

Wansbrough-Jones M, Bonsu F, Obeng-Baah J, Phillips RO. High prevalence of

multidrug-resistant tuberculosis among patients with rifampicin resistance using

GeneXpert Mycobacterium tuberculosis/rifampicin in Ghana. Int J Mycobacteriol.

2016 Jun;5(2):226-30. doi: 10.1016/j.ijmyco.2016.02.004. Epub 2016 Mar 8. PMID:

27242237.

**2015**

26: Niang F, Sarfo FS, **Frimpong M**, Guenin-Macé L, Wansbrough-Jones M, Stinear T, Phillips RO, Demangel C. Metabolomic profiles delineate mycolactone signature in

Buruli ulcer disease. Sci Rep. 2015 Dec 4;5:17693. doi: 10.1038/srep17693. PMID:

26634444; PMCID: PMC4669498.

27: Wadagni A, **Frimpong M**, Phanzu DM, Ablordey A, Kacou E, Gbedevi M, Marion E, Xing Y, Babu VS, Phillips RO, Wansbrough-Jones M, Kishi Y, Asiedu K. Simple,

Rapid Mycobacterium ulcerans Disease Diagnosis from Clinical Samples by

Fluorescence of Mycolactone on Thin Layer Chromatography. PLoS Negl Trop Dis.

2015 Nov 19;9(11):e0004247. doi: 10.1371/journal.pntd.0004247. PMID: 26583925;

PMCID: PMC4652903.

28: Beissner M, Phillips RO, Battke F, Bauer M, Badziklou K, Sarfo FS, Maman I,

Rhomberg A, Piten E, **Frimpong M**, Huber KL, Symank D, Jansson M, Wiedemann FX, Banla Kere A, Herbinger KH, Löscher T, Bretzel G. Loop-Mediated Isothermal

Amplification for Laboratory Confirmation of Buruli Ulcer Disease-Towards a

Point-of-Care Test. PLoS Negl Trop Dis. 2015 Nov 13;9(11):e0004219. doi:

10.1371/journal.pntd.0004219. PMID: 26566026; PMCID: PMC4643924.

29: Dekker DM, Krumkamp R, Sarpong N, Frickmann H, Boahen KG, **Frimpong M**, Asare R, Larbi R, Hagen RM, Poppert S, Rabsch W, Marks F, Adu-Sarkodie Y, May J. Drinking water from dug wells in rural ghana--salmonella contamination,

environmental factors, and genotypes. Int J Environ Res Public Health. 2015 Mar

27;12(4):3535-46. doi: 10.3390/ijerph120403535. PMID: 25826395; PMCID:

PMC4410201.

30: Phillips RO, Phanzu DM, Beissner M, Badziklou K, Luzolo EK, Sarfo FS,

Halatoko WA, Amoako Y, **Frimpong M**, Kabiru AM, Piten E, Maman I, Bidjada B, Koba

A, Awoussi KS, Kobara B, Nitschke J, Wiedemann FX, Kere AB, Adjei O, Löscher T,

Fleischer B, Bretzel G, Herbinger KH. Effectiveness of routine BCG vaccination

on buruli ulcer disease: a case-control study in the Democratic Republic of

Congo, Ghana and Togo. PLoS Negl Trop Dis. 2015 Jan 8;9(1):e3457. doi:

10.1371/journal.pntd.0003457. PMID: 25569674; PMCID: PMC4287572.

**2014**

31: Phillips RO, Sarfo FS, Abass MK, **Frimpong M**, Ampadu E, Forson M, Amoako YA, Thompson W, Asiedu K, Wansbrough-Jones M. Reply to "compliance with

antimicrobial therapy for buruli ulcer". Antimicrob Agents Chemother. 2014

Oct;58(10):6341. doi: 10.1128/AAC.03874-14. PMID: 25225343; PMCID: PMC4187934.

32: Sarfo FS, Thompson W, Phillips RO, Paintsil A, Abass MK, **Frimpong M**, Abotsi

J, Asiedu K, Wansbrough-Jones MH. A severe case of Buruli ulcer disease with

pleural effusions. PLoS Negl Trop Dis. 2014 Jun 19;8(6):e2868. doi:

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34: Phillips RO, Sarfo FS, Landier J, Oldenburg R, **Frimpong M**, Wansbrough-Jones

M, Abass K, Thompson W, Forson M, Fontanet A, Niang F, Demangel C. Combined

inflammatory and metabolic defects reflected by reduced serum protein levels in

patients with Buruli ulcer disease. PLoS Negl Trop Dis. 2014 Apr 10;8(4):e2786.

doi: 10.1371/journal.pntd.0002786. PMID: 24722524; PMCID: PMC3983110.

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| **Conferences/Seminars/ Workshops** |

1. Speaker & Panelist – **Tenth EDCTP Forum** 17-21 October 2021**,** Maputo, Mozambique. *Adopting, Adapting and Contextualising – EDCTP Fellows 8responding to COVID-19*
2. Keynote Speaker – **Ghana Science Association Webiner 2020** - Using Science, Technology and Innovation in the Current Pandemic and Beyond. Date 28th July 2020. Talk: *Diagnostics for COVID-19: A case for field deployable, rapid molecular tests for community surveillance.*
3. Invited Speaker- **WHO meeting on Buruli ulcer control and Research**. Date: 25th -27th March 2019. Talk: *Field-deployable recombinase polymerase amplification assay for Buruli ulcer.*
4. Attendance of **Consultative Meeting held by WHO and FIND on diagnostics for Buruli ulcer** held at the WHO Headquarter in Geneva, Switzerland. Date: March 2018
5. Attendance of **Launch of EDCTP Alumni Network**, Johannesburg, SouthAfrica, Date: 3rd – 4th October 2017
6. Attendance of **2nd International Training course on the rapid point of need molecular system for the detection of emerging and endemic pathogens**, Goettingen, Germany, Date: 18th – 22nd September 2017
7. Attendance of the **WHO meeting on Buruli ulcer control and Research**. Date: 20th -22nd March 2017.
8. Participated in **Hands-on training on Molecular Diagnostic Laboratory tools for the diagnosis and surveillance of Yaws, Buruli ulcer and Haemophilus ducreyi** in the Molecular Diagnostics & Typing Laboratory, Laboratory Reference & Research Branch, Division of STD Prevention at the CDC in Atlanta, USA. Date: 1st - 26th august 2016.
9. Workshop participant: **Training in the use of fluorescent thin layer chromatography as a diagnostic tool for Buruli ulcer via the detection of mycolactone A/B, the causative toxin of the disease**. Department of chemistryand chemical Biology, Harvard University, MA, USA. Date: June 2014
10. Attendance of the **BURULIVAC Consortium came together for the 5th Progress and Management Meeting**, which was hosted by the Ludwig-Maximillians-Universitat in Munich**,** Germany. Date: September 2012.
11. Attendance of the **West African Research Network/West African Health organization** conference on “The constituent General assembly and the first Scientific Conference of the West African Research Network, Ouagadougou, 22nd-24th November 2010

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| **SERVICE** |

**International:**

1. Member, WHO NTD Diagnostic Technical Advisory Group (DTAG): Skin-NTDs Subgroup to review and prioritize the diagnostics needs for NTD programs. Date: May 2020 -
2. Member of the WHO Network on Buruli ulcer PCR laboratories (BU LABNET) in the WHO African Region. Member of both the Advisory Group and Expert Panel. The responsibilities include to monitor the implementation of external quality assessment programme and to provide training and support for laboratories in the sub-region. From January 2020 to date
3. Consultancy service funded by the Germany Leprosy and Tuberculosis Relief Association (GLRA) to provide external quality assurance for improve care for patients with Buruli ulcer through collaboration in ensuring quality diagnostic services for eligible clients. Date: 10th – 15th December 2018
4. Consultancy service funded by the AIM Initiative (AIM) to provide skills and knowledge to the MoH NTD Program and the laboratory professionals from the National Public Health institute of Liberia (NPHIL) to establish the capacity and procedures to conduct PCR testing for Buruli ulcer in Liberia. Date: 14th – 21st July 2017

**National:**

1. Member, National Technical Committee for Healthcare Organization Management – ISO TC 304. May 2020 – date
2. Technical support, National Reference Laboratory, Kumasi - Setup of the Molecular Diagnostic laboratory for COVID-19 testing. Date: August 2020 – December 2020.

**REFEREES**

Prof. Richard O. Phillips

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