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|  | CURRICULUM VITAE  ARNOLD FORKUO DONKOR (PhD)  P.O Box AH 8984  Ahinsan, Kumasi  Ghana  +233209324294  afdonkor.chs@knust.edu.gh ; [forkuo3@gmail.com](mailto:forkuo3@gmail.com) |

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| Personal Details | | |
| Date of birth:  Sex:  Nationality:  Marital Status:  Profession:  Professional Association: | 15th January, 1987  Male  Ghanaian  Married  Lecturer/Researcher   1. Member, Pharmaceutical Society of Ghana, PSGH 2. Member, Society for Medicinal Plant and Natural Product Research (GA) 3. The American Society of Pharmacognosy (ASP) | |
| EDUCATION | |

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| Qualification | **PhD. Pharmacology** |
| Institution | Kwame Nkrumah University of Science and Technology, Kumasi – Ghana. |
| Period | September 2012 – May 2016 |
| Modules Studied | Introductory and Autonomic Pharmacology, Introductory to Graduate Pharmacology Research, Graduate Pharmacology I and II, Advanced Biochemistry, Advance Toxicology, Molecular and Biochemical Pharmacology, Analytical methods in Pharmacology and toxicology.  **Research topic:** “Efficacy, Pharmacokinetics and safety evaluation of cryptolepine-artemisinin-based combinations in the management of uncomplicated malaria.” |
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| Qualification | **University Certificate of Advanced Studies** |
| Institution | University of Basel, Switzerland and Novartis Pharma AG. Basel, Switzerland (Next Generation Scientist Program 2014) |
| Period | June 2014 – August 2014 |
| Subjects Studied | Research (R&D), Pharmacokinetics, Drug metabolism, LC-MS/MS techniques used in biological assays, mentoring and leadership training. |
| Qualification | **Bachelor of Pharmacy (First class Honours)** |
| Institution | Kwame Nkrumah University of Science and Technology, Kumasi – Ghana. |
| Period | August 2007 – June 2011 |
| Major courses studied | Pharmacology, Pharmaceutical Chemistry, Clinical and Social Pharmacy, Pharmaceutics, Pharmacognosy, Microbiology.  **Research topic**: “Assessment of H1N1 influenza; a swine flu vaccination in Kumasi, Ghana***.****”* |
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| Qualification | **West Africa Senior Secondary Certificate Examination, WASSCE Certificate** |
| Institution | Winneba Senior High School, Winneba – Ghana |
| Period | September 2003 – June 2006 |
| Major subjects | Elective Mathematics, Physics, Chemistry, Biology |

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| PROFESSIONAL EXPERIENCE |

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| Name of Company/Institution | Kwame Nkrumah University of Science and Technology, Kumasi – Ghana. | |
| Position held | **Lecturer, Department of Pharmacology**  **-Department Examination officer (April 2019 to date)** | |
| Period | 2016 to date | |
| Key responsibility   * Teach Pharmacology in Pharmacy, medical, nursing, veterinary and optometry schools in the University * Do research in the field of Pharmacology and supervise undergraduate and post graduate students in their research works. * Involve in community service | | |
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| Name of Company/Institution | | Amponsa-Efah Pharmaceuticals Ltd |
| Position held | | **Formulation Pharmacist and Pharmacovigilance Manager** |
| Period | | 2014 to 2018 |
| Key responsibility   * Formulate tablets, syrups and suspension of generic products for FDA-Ghana registration. * Document all Pharmacovigilance issues with regards to the company’s products * Train staff on matters concerning GMP | | |
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| Name of Company/Institution | Noguchi Memorial Institute of Biomedical Research, University of Ghana, Legon. | |
| Position held | **Visiting Researcher/PhD student** | |
| Period | March 2015 – June 2015 | |
| Key Responsibilities   * Learn new skills relating to *in vitro* and *in vivo* antiplasmodial assays. * Assisting undergraduate students in their final year projects in parasitology. * Working on my PhD project. | | |
| Name of Company/Institution | Novartis Pharma AG., Basel, Switzerland  Metabolism and Pharmacokinetic / *In vitro* Department | |
| Position held | **Next Generation Scientist Intern** | |
| Period | May 2014 – August 2014 | |
| Key Responsibilities   * Learn new techniques in the *in vitro* Metabolism and Pharmacokinetic department, * Learn the LC-MS/MS techniques used in biological assays, * Drug Discovery and development, * Leadership and scientific mentoring, * Research Poster presentation to the Novartis scientific community and department. | | |
| Name of Company/Institution | Department of Pharmacology, KNUST, Kumasi – Ghana | |
| Position held | **Graduate Assistant (Demonstrator)** | |
| Period | August 2012 – May 2014 | |
| Key Responsibilities   * Give introductory lectures to Pharmacology and anatomy laboratory sessions * Organized tutorials in Pharmacology for undergraduate students * Read, marked laboratory reports and help to invigilate mid-semester and end of semester examinations. * Performing other duties as assigned by the Head of Department. | | |

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| PUBLICATIONS AND CONFERENCES ABSTRACTS |

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|  | 1. Forkuo A.D, Rynn C, Pearson D, Gertsch W. *In vitro* metabolic profile of the antimalarial compound cryptolepine in human and rat. Conference Abstract: European Congress on Tropical Medicine and International Health. Basel, Switzerland. September, 2015 2. Forkuo A.D, Ansah C, Mensah K.B, Boampong J.N, Ameyaw E.O, Gyan B.A, Arku A.T, Ofori M.F. Synergistic anti-malarial action of cryptolepine and artemisinins. *Mal J.* 2016 15:89 DOI: 10.1186/s12936-016-1137-5 3. Ofori E.A, Koffuor G.A, Asare K.K, Konja D, Asante D, Kyei S, Forkuo A.D., Mensah R.A.O. Cryptolepine in the management of diabetes mellitus and its associated complications. *J Intercult Ethnopharmacol*.2016;5(3):263-273. DOI: 10.5455/jice.20160606124435 4. Forkuo A.D, Ansah C, Gyan B, Mancama D. *In vitro* antimalarial interaction and transmission-blocking activity of cryptolepine. December 2016. Planta Medica 81(S 01):S1-S381 DOI 10.1055/s-0036-1596329. 9th Joint Natural Product Conference, Copenhagen, Denmark. July, 2016 |
|  | 1. Antwi A.O, Obiri D.D, Osafo N, Forkuo A.D, Essel L.B. Stigmasterol inhibits lipopolysaccharide-induced innate immune responses in murine models. International Immunolopharmacology, 2017; 53 pages 105-113 2. Forkuo A.D, Ansah C, Pearson D, Gertsch W, Cirello A, Amaral A, Spear J, Wright CW, Rynn C. Identification of cryptolepine metabolites in rat and human hepatocytes and metabolism and pharmacokinetics of cryptolepine in Sprague Dawley rats. *BMC Pharmacology and Toxicology* (2017) 18:84 3. Forkuo A.D, Ansah C, Mensah K.B, Annan K, Gyan B, Theron A, Mancama D and Wright CW. In vitro anti‑malarial interaction and gametocytocidal activity of cryptolepine. *Malar J (2017) 16:496* 4. Badii V.S, Buabeng K.O, Agyarko Poku T, Forkuo A.D , Boamah B.B, Arhin S.M, Kpewou D.E. Tenofovir-Based Highly Active Antiretroviral Therapy Is Associated with Superior CD4 T Cells Repopulation Compared to Zidovudine-Based HAART in HIV 1 Infected Adults. International Journal of Chronic Diseases, Volume 2018, Article ID 3702740 Doi.org/10.1155/2018/3702740 5. Ameyaw E.O, Asmah K.B, Biney RP, Henneh I.T, Owusu‑Agyei P., Prah J., Forkuo A.D. Isobolographic analysis of co‑administration of two plant‑derived antiplasmodial drug candidates, cryptolepine and xylopic acid, in Plasmodium berghei. Malar J (2018) 17:153. 6. Mensah, M.L.K, Komlaga, G, Forkuo A.D, Firempong C, Anning A.K, Dickson, RA. Toxicity and Safety Implications of Herbal Medicines Used in Africa. Herbal Medicine (2019). 3rd ed., IntechOpen pp 63-86. 7. Yeboah, P, Forkuo A.D, Amponsah O.K.O, et al. Antimalarial Drugs in Ghana: A case study on personal preferences. Sci **2020**, 2, 45; doi:10.3390/sci2020045 |

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| REFEREES |

1. Rev. Professor Charles Ansah

Department of Pharmacology

Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

Telephone: +233-243382661

E-mail: [cansah.pharm@knust.edu.gh](mailto:cansah.pharm@knust.edu.gh)

1. Dr. George Kwaw Ainooson

Head of Department

Department of Pharmacology,

Faculty of Pharmacy and Pharmaceutical Sciences

Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

Telephone: +233 244573543

E-mail: [gkainooson.pharm@knust.edu.gh](mailto:gkainooson.pharm@knust.edu.gh)