

Adebanjo J. Adegbola
(PhD)

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Education

2000-2006

B.Pharm. (Pharmacy, OAU, Ile-Ife)

2012-2014

M.Sc. (Pharmaceutical Chemistry, OAU, Ile-Ife)

2012-2016

FPCPharm (West African Postgraduate College of Pharmacist)

2015-2018

PhD (Pharmaceutical Chemistry, OAU, Ile-Ife)

Research grant

2016-2017

Tertiary Education Trust Fund award for Academic Staff Training and Development utilised at the HIV Pharmacology Research group, Institute of Translational Medicine, University of Liverpool, United Kingdom-2017.

European and Developing Countries Clinical Trial Partnership grant for developing genomics expertise at Copenhagen in order to examine to what extent *dhps*-431V Mutation may influence the protective efficacy of IPTp-SP (DEEM-FIT)-2020-Role: Principal Investigator

National Research Fund (NRF) TETFund. Title: Assessment of Quality, Efficacy, and Prevalence of associated Malaria Resistance, of Artemisinin-based Therapies in the Nigerian Health System, 2021-2022. Amount: 40,500,000 naira. Role: Co-investigator.

Travel grant

2018

MIM Travel award to MIM- Senegal 2018

2019

AREF Travel award to the Essential Grant Writing Skill workshop, Entebbe, Uganda, 2019

2019

UPS-PQM Travel award to the Pharmaceutical Quality Management workshop, Abuja, Nigeria, 2019.

Fellowship

2020

European and Developing Countries Clinical Trial Partnership-African Research Excellence Funds (EDCTP-AREF) Preparatory Fellowship (2020-2021)

Current Positions

- Lecturer I, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Obafemi Awolowo University, Ile-Ife, Nigeria
- EDCTP Research fellow, Centre for Medical Parasitology, University of Copenhagen

Courses Taught

PHC 602

- Pharmacokinetics and Drug metabolism (14 hours)

PHC 603

- Physiochemical methods of drug analysis (8 hours)

Graduate Student

Supervision

- M.Sc. Nurudeen Raimat Opeyemi

Undergraduate Student

Supervision

- Within Current Session (**six**)

Publications and Conference

(a) Thesis/Dissertation

- Preparation and Physicochemical Characterisation of Halofantrine and Cyclodextrin Complexation (B. Pharm. Dissertation, 2006).
- Pharmacokinetic Interactions between Quinine and Ciprofloxacin in Healthy Volunteers (M Sc. Thesis, 2014)
- Assessment of Participation of Nigerian Pharmacists in the practice of Personalised Medicine (Dissertation, WAPCP, 2016)
- Influence of Pregnancy and Genetic Polymorphisms on Cytochrome P450-mediated Interaction between Efavirenz and Lumefantrine in HIV-Infected individuals (PhD Thesis, 2018)

(b) Published Journal Article

- Ademisoje AA, Soyinka JO, **Adegbola AJ**, et al Effects of Co-administration of Cotrimoxazole on the Pharmacokinetics of Amodiaquine in Healthy Volunteers. *IJPPS*, 7 (9): 272-276
- **Adegbola AJ**, Soyinka JO, Adeagbo et al. Alteration of the Disposition of Quinine in Healthy Volunteers Following Concurrent Ciprofloxacin Administration. *American Journal of Therapeutics*, 23(2): e398–e404
- **Adegbola, AJ**, Soyinka JO and Adeagbo BA (2016). Simultaneous Quantification of Ciprofloxacin, Quinine and 3-hydroxyquinine in Human Plasma using a HPLC Method. *Asian Journal of Pharmaceutical Research and Health Care*, 8(1):11-18
- Alero L, **Adegbola AJ** and Adeagbo. Pharmacokinetic Characterization of Piperaquine in Nigerian Healthy Volunteers after Co-administration with a Commercial Brand of Moringa Tea. *BJPR*, 2017, 15(4):1-10
- **Adegbola AJ**, Awobusuyi OJ, Adeagbo BA, Oladokun BS, Owolabi AR, Soyinka JO (2017). Bioequivalence Study of Generic Metformin Hydrochloride in Healthy Nigerian Volunteers. *Journal of Exploratory Research in Pharmacology*, 2(3):78–84
- Omole KO, Kuti BP, Oyelami OA, **Adegbola AJ**, Omole JO. Serum vitamin D profile of Nigerian children with asthma: Association with asthma severity and control. *Pediatric Pulmonology*, 53:544–551.
- Abolurin OO, **Adegbola AJ**, Oyelami OA, Adegoke SA, Bolaji OO (2018). Vitamin a deficiency among under-five Nigerian children with diarrhoea. *African Health Sciences*, 18(3):737-742
- **Adebanjo Adegbola**, Rana Abutaima, Adeniyi Olagunju, Omotade Ijarotimi, Marco Siccardi, Andrew Owen, Julius Soyinka, and Oluseye Bolaji (2018). Effect of pregnancy on the dynamics of efavirenz versus lumefantrine pharmacokinetic interaction in HIV-malaria co-infection. *Antimicrobial Agent and Chemotherapy*, 62: e01252-18, doi.org/10.1128/AAC.01252-18
- Abolurin OO, **Adegbola AJ**, Oyelami OA, Adegoke SA, Bolaji OO (2018). Prevalence of Vitamin A deficiency among under-five children in South-Western Nigeria. *Nigerian Postgraduate Medical Journal*, 25:13-16
- Oladimeji FA, **Adegbola AJ**, Onyeji CO (2018). Appraisal of Bioenhancers in Improving Oral Bioavailability: Applications to Herbal Medicinal Products. *Journal of Pharmaceutical Research International*, 24(4):1-23
- **Adegbola A**, Abutaima R, Adeagbo BA, Bolarinwa RA, Olagunju AE, Siccardi M, Owen A, Bolaji O (2020). Influence of selected polymorphisms in disposition genes on lumefantrine pharmacokinetics when co-administered with efavirenz. *Pharmacogenetics and Genomic*, 30(5):96-106.
- Hassan IA, **Adegbola AJ**, Soyinka JO, Onyeji CO and Bolaji CO (2020). Post-Marketing Surveillance of Quality of Artemether Injection Marketed in Southwest Nigeria. *American Journal of Tropical Medicine and Hygiene*, doi.org/10.4269/ajtmh.20-0190.

- **Adegbola AJ**, Omotoso E, Olubiyi OO, Soyinka JO, Bolaji OO, Onyeji CO (2020). Preparation and Physicochemical Evaluation of Lumefantrine-2-Hydroxypropyl- β -cyclodextrin Binary Systems. *Journal of Pharmaceutical Research International*, 32(13): 92-105.
- Eniayewu OI, **Adegbola AJ**, Adeagbo BA, Bolaji OO (2020). Influence of amlodipine on the disposition of quinine in healthy volunteers. *American Journal of Therapeutics*, AJT-2020284
- **Adegbola AJ**, Soyinka JO, Bolaji OO (2020). Effect of CYP3A5*3 genotypes on lumefantrine plasma concentrations among malaria-HIV co-infected women. *Pharmacogenomics Journal*
- Ogundapo SS, Soniran OT, Vining-Ogu CI, Ngobidi KC, Obasi NA, Olugbue VU, **Adegbola AJ**, Ogundapo AF (2021). Data on pilot assessment of efficacy of artemether-lumefantrine when co-administered with ciprofloxacin in malaria-typhoid co-infected patients. *Data in Brief* 34 (2021) 106732.
- Oladepo M, **Adegbola AJ**, Soyinka JO, Onyeji CO (2021). Effect of Vernonia Amygdalina leaf on Cytochrome P450 2D6- and 3A4-Mediated Metabolism of Dextromethorphan in Healthy Nigerian Subjects. *Journal of Advances in Medical and Pharmaceutical Sciences*, 23(2), 22-32.
- Adebiyi OL, Kuti BP, Adegbola AJ, Onuchukwu C, Oyelami OA. Relationship between maternal and infants' Serum 25-Hydroxyvitamin D, Calcium, and Phosphates in an exclusively breastfeeding population. *Journal of Medical Sciences*, 10.4103/jmedsci.jmedsci_291_20

(c) Articles Accepted for Publication:

- Adebiyi OL, Kuti BP, Adegbola AJ, Onuchukwu C, Oyelami OA. Socio-demographic and Perinatal factors associated with suboptimal Vitamin D in exclusively breastfeeding young infants in North Central Nigeria. *Alexandria Journal of Paediatrics*

(d) Conference Presentation

- Effect of efavirenz on lumefantrine pharmacokinetics during pregnancy in Nigerian women with HIV-Malaria Co-infection. Oral presentation at 7th Multilateral Initiative on Malaria Pan-African Conference, April 15-20th 2018, Dakar, Senegal.
- Quality assessment of artemether injection in South-western Nigeria. Poster presentation at 15th Nigerian Association of Pharmacists in Academia (NAPA) conference on Innovative disruption in Pharmacy teaching and research, August 26- 30th 2018, Abuja, Nigeria.
- Effect of selected polymorphisms in disposition genes on lumefantrine pharmacokinetics when co-administered with efavirenz. Poster presentation, EMBL Conference: BioMalPar XVI: Biology and Pathology of the Malaria Parasite, 18-19 May 2020, virtual conference, Heidelberg, Germany

Current Research

- Pharmacokinetic study of sulphadoxine-pyrimethamine and impact of dhps-431V mutation on the protective effect of sulphadoxine-pyrimethamine during pregnancy
- Nationwide quality assessment of artemisinin-based combination therapy (ACT) products, therapeutic efficacy studies and surveillance of ACT resistance (NACT).

Service within the University:

Member of Therapeutic drug monitoring (TDM) laboratory of Obafemi Awolowo University Teaching Hospital, Ile Ife, Nigeria

Membership and services within Professional bodies:

- Fellow, West African Postgraduate College of Pharmacists (WAPCP)
- Member, Pharmaceutical Society of Nigeria
- Editor-in-Chief, Pharmaceutical Society of Nigeria, Osun State Chapter.
- Member, Nigeria Association of Pharmacists in Academia
- National Secretary, Nigeria Association of Pharmacists in Academia
- Affiliate member MIM society.

