

## CURRICULUM VITAE

### SECTION A

#### I. BIODATA

Name (Surname first): **DOKUNMU** Titilope Modupe  
Gender: Female  
Town: Ijebu-Ode  
Local Govt Area: Ijebu-Ode  
State of Origin: Ogun  
Nationality: Nigerian  
Marital status: Married  
Maiden surname: Okuboyejo  
Religion: Christianity  
Number of children: Two (2)  
Contact address: % Biochemistry Department,  
Covenant University, Ota, Ogun state, Nigeria.  
Residential address: Flat F4 Ramoth extension, Canaanland, Ota, Nigeria  
Telephone number: +2348030670706  
E-mail: [titilope.dokunmu@covenantuniversity.edu.ng](mailto:titilope.dokunmu@covenantuniversity.edu.ng)

#### II. APPOINTMENT

Present position: Lecturer I (August 2016 -2018)

### SECTION B. EDUCATIONAL HISTORY

#### I. INSTITUTIONS ATTENDED WITH DATES

Babcock University, Ogun state, Nigeria - September 2002 – June 2006 (Undergraduate)  
University of Ibadan, Oyo state, Nigeria - September 2007– December 2009 (Postgraduate)  
University of Ibadan, Oyo state, Nigeria - December 2009 – October 2015 (Postgraduate)

#### II. ACADEMIC QUALIFICATIONS

B.Sc. Biochemistry (2 <sup>nd</sup> class upper)	2006	Babcock University, Ogun state, Nigeria
M.Sc. Pharmacology (Ph.D grade)	2009	University of Ibadan, Oyo state, Nigeria
Ph.D Pharmacology	2015	University of Ibadan, Oyo state, Nigeria

#### III. TEACHING EXPERIENCE

Academic Rank	University	Dates
Lecturer II	Covenant University	Mar 2013 – July 2016
Lecturer I	Covenant University	Aug 2016 – Sept 2018
Academic Positions held	Department	
Examination Officer	Biochemistry Department	Aug 2018-till date
Time table officer	Biological Sciences Department	August 2014 – 2015
Level Advisor (100 – 400)	Biological Sciences Department	Aug 2013 – 2017

#### IV. COURSES TAUGHT IN 2017/2018 SESSION

Undergraduate courses	Postgraduate courses
<b>300 level</b> BCH 311 (Biochemistry of Lipid)	BCH 832 (Advances in Molecular biology) BCH 816 (Research methods)
<b>400 level</b> BCH 433 (Clinical Biochemistry) BCH 422 (Pharm. & Toxicological Biochemistry) BCH 424 (Immunology and Immunochemistry) BCH 414 (Advanced Biochemical genetics) BCH 441 (Hormonal and Lipid metabolism)	BCH 822 (Adv. intermediary metabolism) BCH 821 (Biochemistry of Parasites & viruses) BCH 826 (Bioinformatics)

#### V. SCHOLARSHIP, FELLOWSHIPS AND PROFESSIONAL MEMBERSHIP

##### Awards/Fellowships

Global Health Travel Award by the Bill and Melinda Gates foundation for Keystone Symposia on Vectors, Pathogens and Diseases: Current Trends and Emerging Challenges (T1) (September 10 – 15, 2017).

World Bank African Centre of Excellence Fellowship for Genomics of Infectious Diseases training at Organismic Biology Department, Harvard University, Cambridge, MA, USA (June – August, 2014).

Global Health Travel Award by the Bill and Melinda Gates foundation for Keystone Symposia on Malaria Innovation and Eradication (February 2 – 7, 2014).

#### VI. PUBLICATION AND JOURNALS (FROM 2013-2018)

1. **Dokunmu T. M.**, Yakubu O. F. Adebayo A. H., Olasehinde G. I. and Chinedu S. N. 2018. Cardiovascular Risk factors in a sub-urban community in Nigeria. *Intl. J. Hypert.* 7:1-6. [SCOPUS]
2. **Dokunmu T. M.** Oyelade I. F., Ogunlana O. O., Bello, O. A., Ezekiel O. M., Oladele F. W. 2018. Hepatoprotective potential and histological studies of effects of *celosia argentea* L. on paracetamol-induced liver damage. *Cov. J. Phy Life Sc.* 6(1): 8 – 19 [University Journal].
3. **Dokunmu T. M.**, Olasehinde G. I., Oladejo D. O., Olanrewaju O., Akinbobola A., Adjekukor C. U., Yakubu O. F. and Adebayo A. H. 2018. Efficiency of Histidine Rich Protein II-Based Rapid Diagnostic Tests for Monitoring Malaria Transmission Intensities in an Endemic Area. *AIP Conf. Proc.* 1954 (2018) 030001 [SCOPUS]
4. **Dokunmu T. M.**, Ahanonu L. C., Abegunde O. and Adeyemi O. A. 2017. Artemisinin-induced delayed hemolysis after administration of artesunate and artesunate-amodiaquine in malaria-free Wistar rats. *Biomed. Res. Ther* 4(4): 1246-1260 [INT'L]
5. Ajani O., Olasehinde G., **Dokunmu T.**, Diji-Geske R., Onileere O., Openibo J., Oluseye O., Chileke T., Adebisi E. 2018. Structure-Based Design Synthesis of Functionalized 3-(5-(s-Phenyl)-4H-pyrazol-3-yl)-2H-chromen-2-one Motifs and Indigenous Plant Extracts and Their Antimalarial Potential. *AIP Conference Proceedings* 1954 (2018), 030003 [SCOPUS]
6. **Dokunmu T.**, Oladejo D. and Adjekukor C. Population genomics and molecular surveillance for *Plasmodium falciparum* genetic diversities in an endemic area. *FASEB J* 32(1), 2018. [GOOGLE SCHOLAR]

7. **Dokunmu T. M.**, Oladejo D, Adjekukor C, Olanrewaju O, Ogunlana O. Frequencies of *Plasmodium falciparum* gene mutations in asymptomatic infections: evaluating malaria transmission reduction in an endemic area. Published in *American Journal of Tropical Medicine and Hygiene* 2017, 97(5): 107 [GOOGLE SCHOLAR]
8. **Dokunmu T. M.**, Akinbohun A. E., Rotimi S. O., Rotimi O. A. and Ogunlana, O. O. 2016. Ex-vivo response of *Plasmodium falciparum* to dihydroartemisinin in an area of Ota southwest Nigeria. (Abstract) *The FASEB Journal* 30(1): suppl 938.10 [GOOGLE SCHOLAR]
9. Oguche S., Okafor H. U., Watila I., Meremikwu M., Agomo P., Ogala W., Agomo C., Ntadom G., Banjo O., **Okuboyejo T.**, Ogunrinde G., Odey F., Aina O., Sofola T. and Sowunmi A. 2014. Efficacy of artemisinin-based combination treatments of uncomplicated falciparum malaria in under-five-year-old Nigerian children. *Am. J Trop. Med. Hyg.* 91(5): 925 – 935 [SCOPUS]
10. Gbotosho GO, **Okuboyejo T**, Happi CT, Sowunmi A. Fall in hematocrit per 1000 parasites cleared from peripheral blood: a simple method for estimating drug-related fall in hematocrit after treatment of malaria infections. *Am J Ther.* 2014 May-Jun; 21(3):193-7 [SCOPUS]
11. Sowunmi A., Gbotosho G. O., Happi C. T., **Okuboyejo T.**, Sijuade A., Michael O., Adewoye E. O., Folarin O. Therapeutic Efficacy of Artesunate-Amodiaquine Combinations and the Plasma and Saliva Concentrations of Desethylamodiaquine in Children with Acute Uncomplicated *Plasmodium falciparum* Malaria. *American Journal of Therapeutics* 2013; 20 (1): 48-56 [SCOPUS]

#### **MANUSCRIPT SUBMITTED FOR PUBLICATION**

12. **Dokunmu T.M.**, Olasehinde G.I, Oladejo D.O, Adjekukor C.U, Akinbohun A.E, Onileere O.A, Eze C.J, Jir G.S. Evaluation of *Plasmodium falciparum* K13 gene polymorphism and susceptibility to dihydroartemisinin in an endemic area. [**Accepted for publication in August 2018**, Biomedical Research and Therapy] [INT'L]
13. National Malaria Elimination Program (NMEP Group) 2018. Declining Responsiveness of Childhood *Plasmodium falciparum* Infections to Artemisinin-Based Combination Treatments Ten Years Following Deployment as First-Line Antimalarials in Nigeria. [Submitted June 2018]
14. **Dokunmu TM**, Adjekukor CU. A review on social health insurance policy and quality of health in southwest area of Nigeria [Submitted July 2018].

#### **UNPUBLISHED CONFERENCE/WORKSHOP PAPERS**

15. **Dokunmu T**, Adjekukor C, Oladejo D, Olanrewaju O. Assessment of molecular markers of antimalarial drug resistance in *Plasmodium falciparum* isolates from an endemic area. Keystone Symposia on Molecular and Cellular Biology Conference (September, 2017)
16. **Dokunmu T**, Sowunmi A. Evaluation of impacts of control interventions on malaria transmission in an area of southwest Nigeria (February 2014).

#### **VII. CONFERENCES ATTENDED**

- 1st International Women Multidisciplinary Conference on advancing women in academia and industry: strategies, policies, and emerging issues in the 21st century held on September 11-12, 2018 at Africa Leadership Development Centre, Covenant University, Nigeria.
- Experimental Biology-American Society of Pharmacology and Experimental Therapeutics (Molecular pharmacology) conference, San Diego, USA (April 21-25, 2018).
- Keystone Symposia on Vectors, pathogens and current challenges conference, Durban, South Africa

(Sept 10 – 14, 2017).

- Experimental Biology, American Society for pharmacology and Experimental Therapeutics annual conference 2016, San Diego, California, United States April 2 – 6, 2016.
- Keystone Symposium on *The Science of Malaria Eradication* held at Merida, Yucatan, Mexico (February 2 – 7, 2014).

#### VIII. TRAININGS AND WORKSHOPS

Tech-Women Mentors from Silicon Valley, U.S.A. Professional Development Workshop on 'The Future of STEM: Why women belong here!' held on March 20<sup>th</sup> 2018, at CUCRID, Covenant University, Nigeria

H3ABioNet workshop on Introduction to Bioinformatics, (Certificate of completion) by University of Cape Town, South Africa (Online course), April to August, 2017.

African Centre of Excellence Centre on Genomics of Infectious Diseases training at Organismic Biology Department, Harvard University, Cambridge, MA, USA (July 7 – August 31, 2014).

Molecular Biology and Immunologic techniques training at Department of Immunology and Infectious Diseases, Harvard School of Public Health, Boston, MA, USA (June 26 – August 5, 2011).

National Malaria Control Programme/WHO Capacity Building on Malaria Quality Assurance using Microscopy and Rapid Diagnostic test kits at Department of Medical Microbiology and Parasitology, College of Medicine, University of Lagos, Lagos, Nigeria (August 31 – September 3, 2009).

Livewell Initiative Grand Health Bazaar on *Sustainable Agriculture and Bio-diversity: Go green, Go organic* held at Havilah Event Centre, Victoria Island, Lagos (15 – 16th May, 2014).

#### IX. UNDERGRADUATE STUDENT PROJECT SUPERVISION (n=9)

- i. Chisom Eze (graduated 2018), Thesis/Project Title: Identification of kelch propeller gene alleles in parasite isolates from Ota, Nigeria
- ii. Jir Grace (not yet graduated), Thesis/Project Title: Malaria transmission dynamics: eradication or elimination status in an endemic area
- iii. Adjekukor U. Cynthia (graduated 2017), Thesis/Project Title: Prevalence of *Plasmodium falciparum* multi drug resistance gene 1 in isolates from Ota, Nigeria
- iv. Olanrewaju O. Oladeji (graduated 2017), Thesis/Project Title: Asymptomatic *Plasmodium falciparum* malaria infection in Ota, Ogun state
- v. Ahanonu Chidinma (graduated 2016), Thesis/Project Title: Comparative effects of artesunate and artesunate amodiaquine on malaria free wistar rats
- vi. Abegunde Oreoluwa (graduated 2016), Thesis/Project Title: Hemolytic effects of artesunate versus amodiaquine on malaria free wistar rats
- vii. Akinbohun Adesola Ejiade (graduated 2015), Thesis/Project Title: *Ex-vivo* susceptibility of *Plasmodium falciparum* isolates from Ota southwest Nigeria to dihydroartemisinin plus ketoconazole
- viii. Atuchukwu Precious (graduated 2014), Thesis/Project Title: Molecular characterization of virulence markers in strains of *Streptococcus suis* using polymerase chain reaction
- ix. Akinbobola Abisola (graduated 2014), Thesis/Project Title: Comparative detection of *Plasmodium falciparum* asexual and sexual parasite by microscopy and immunochromatographic test

**Diploma [n=1]**

Oyelade Ifeoluwa Feyisayo (graduated 2015), Thesis/Project Title: Hepatoprotective potential of *Celosia argentea* on paracetamol induced liver damage in Wistar albino rats

**Postgraduate [n=3]**

- i. Oladejo David O. (graduated 2018), Thesis/Project Title: Assessment of molecular markers of antimalarial drug resistance in Nigeria (Student Degree Expected Date: 2018/7
- ii. Enoma David (In progress), Student Degree Expected Date: 2019/6
- iii. Obi Patience (In progress), Student Degree Expected Date: 2019/6

**X. ACADEMIC LINKAGES:** Malaria Research Laboratories, University of Ibadan and NMEP, Nigeria.

**XI. Professional Memberships**

Date	Professional body	Status
2016	Nigerian Society of Biochemistry and Molecular Biology	Member
2016	American Society of Pharmacology and Experimental Therapeutics	Member
2017	Parasitology and Public Health Society of Nigeria	Member
2017	Prostate Cancer Transatlantic Consortium (Covenant Univ. Chapter)	Member

**XII. EXTRA CURRICULAR ACTIVITIES:** Adventurous Travelling, reading, peer mentoring

**XIII. REFEREES**

Dr. Grace I. Olasehinde  
Associate Professor of Microbiology  
Department of Biological Sciences,  
Covenant University, Nigeria  
+2348137266849  
e-mail: [grace.olasehinde@covenantuniversity.edu.ng](mailto:grace.olasehinde@covenantuniversity.edu.ng)

Prof O. Obembe  
Professor of Biotechnology,  
Biological Sciences Department,  
Covenant University, Nigeria  
+2348130928965  
e-mail: [olawole.obembe@covenantuniversity.edu.ng](mailto:olawole.obembe@covenantuniversity.edu.ng)

Rev. O. Abiodun  
St. Matthews' Anglican Church,  
Adigbe, Abeokuta, Ogun state.  
+2348057786476