

CURRICULUM VITAE

1. Name: Adebola Emmanuel ORIMADEGUN
2. Current Address:
Address: Institute of Child Health
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Telephone no.: 07063013162
3. University Education, with dates:
 - (i) Undergraduate:
University of Ibadan, Ibadan 1990 - 1997
 - (ii) Postgraduate:
University of Ibadan, Ibadan 2003 – 2005
London School of Tropical Medicine and Hygiene 2009 – 2013
University of London, United Kingdom University
of Ibadan, Ibadan 2009 – 2017
4. Academic Qualifications:
Bachelor of Medicine and Surgery (M.B;B.S) February 1997
Master of Science (M.Sc.) Epidemiology September 2005
Master of Science (M.Sc.) Clinical Trials September 2013
Doctor of Philosophy (Ph.D.) Epidemiology January 2017

Professional Training
Specialist Registrar in Paediatrics, University 2000 - 2003
College Hospital, Ibadan, Nigeria
Specialist Senior Registrar in Paediatrics, University 2004 - 2006
College Hospital, Ibadan, Nigeria

Professional Qualification
Fellow, West African College of Medicine (FWACP, Paediatrics), April 2006 to date.
Membership of the National Postgraduate Medical College, October 2002 to date.
6. Scholarship, Fellowship and Prizes:
 - (i) Fellowship of the Population Reference Bureau (PRB), Washington DC, USA as a scholar on “Population Policy Communication” in 2009 and 2010.

- (ii) European and Developing Countries Trial Partnership (EDCTP) Scholarship for Master of Science in Clinical Trials at the London School of Hygiene and Tropical Medicine, University of London, United Kingdom, 2009 - 2013.
- (iii) Doctoral Fellowship of the William and Flora Hewlett Foundation, William and Flora Hewlett Foundation, New York, United State of America: 2009-2013.
- (iv) Global Health Travel Award 2013 to attend the Keystone Symposium on “The Science of Malaria Eradication” in Merida, Yucatan, Mexico.
- (v) Best Manuscript Award of the Pan African Thoracic Society for 2010, presented at the 2010 MECOR training and Conference, Limuru, Kenya.
- (vi) Young Scholar Award for the Best Research of the Pan African Thoracic Society Methods in Epidemiologic, Clinical and Operational Research (PATS-MECOR) Network supported by Nuffield Foundation, UK. – 2010.
- (vii) Young Scholar Award of the Pan African Thoracic Society Methods in Epidemiologic, Clinical and Operational Research (PATS-MECOR) Network supported by Nuffield Foundation, UK – 2009.

7. Honours and Distinctions:

- (i) Director, Institute of Child Health, College of Medicine, University of Ibadan (appointed 01 August 2022 for a 3-years tenure)
- (ii) Elected Member, Board of Health, University of Ibadan, Health Services, 2022 – 2024.
- (iii) Member, Ekiti State University Teach Hospital Board of Management, (appointed by the Government of Ekiti State, Nigeria to represent the community of the academia), January 2019 – to date.
- (iv) Chairman, Appointment, Promotion and Disciplinary Committee of the Board of EKSUTH, 2019 – to date.
- (v) Pioneer Principal Facilitator, Research, Development, Service and Partnership of the Faculty of Public Health, University of Ibadan, 2020-2022.
- (vi) Associate Editor, Frontiers in Global Women's Health. ISSN 2673-5059 (Online), (A peer-reviewed, open access journal in women's health and well-being, maternal health, sex differences in disease, contraception & life course approach) – 2019 to date.
- (vii) Member, Development Committee of the Senate of the University of Ibadan, Ibadan, 2019 – 2021.
- (viii) Examiner, Postgraduate Fellowship Examinations in the West African College of Physicians (WACP), 2014 to date
- (ix) Visiting Scholar to Department of Epidemiology and Biostatistics, University of Cape Town, South Africa – 2016 – 2017.

8. Membership/Fellowship of Learned Societies:

- (i) Member, Paediatric Association of Nigeria, 2006 to date.

- (ii) Member, Nigeria Society of Paediatric Infectious Diseases, 2019 to date.
- (iii) Member, European Respiratory Society, Switzerland, 2016 – to date.
- (iv) Member, American Thoracic Society, USA 2009 to date
- (v) Member, Editorial Board of the Asian Pacific Journal of Tropical Medicine, 2010 to date.

9. Details of Work Experience:

- (i) Present employment (stating when started):
 1. Academic Staff (started from Research fellow from March 2008 rising through the ranks to the grade of Professor) at the University of Ibadan.
 2. Honorary Consultant Paediatrician, University College Hospital, Ibadan, Nigeria from June 2009.
- (ii) Previous places of employment (with dates):
 1. Consultant Paediatrician, University College Hospital, Ibadan, Nigeria from June 2007 to February 2008
 2. Residency training at the University College Hospital, Ibadan, Nigeria from December 2000 to May 2007
 3. Assumpta Clinics, Nomansland Kano, Kano State, Nigeria from January 1998 to October 2000.

10. **Current Research Activities including Research Grants:**

- (i) Project title: Countdown to 2030 and Stunting Exemplars: the Nigeria Country Case Study.

Role: Principal Investigator

This study is a multi-centre and multinational research involving 13 countries in Africa and six states (each from a geopolitical region) in Nigeria. The overarching goal of this project is to track progress towards addressing reproductive, maternal, newborn, child and adolescent health (RMNCAH), nutrition and survival in Nigeria with focus on understanding and explaining how progress was achieved. The study will also explore national, state, and community level perspectives on the drivers of and barriers to stunting and wasting reduction in Nigeria, including the major contributing factors behind change over time. The findings have generated a systematic landscape of the major stunting-relevant policies and programs in Nigeria, with focus on both direct and indirect nutrition initiatives delivered inside and outside of the health sector. The first phase of the Nigeria component of this study has been completed and a dissemination meeting was held at Abuja on May 26, 2022. Several stakeholders including the Minister and Directors of the Federal Ministry of Health, civil societies, non-governmental organisations, and the media were in attendance. Publications from the work are under review.

Funding source: Bill & Melinda Gates Foundation” under “Grant Agreement Investment ID INV-003416” (the “Principal Agreement”) through the Global Child Health, The Hospital for Sick Children, Canada

Project website: <https://www.countdown2030.org/country-collaborations/nigeria-countdowncountry-collaboration-2>

- (ii) Project title: Trends in the RMNCAH+N services utilization pre, during and post COVID-19 pandemic era.

Role: Principal Investigator

The aim of this research is to understand drivers and context of the disruptions and rebounds in health-care utilisation in Nigeria during 2020 to 2021 for a specific set of health-care services, with a focus on RMNCH. The time period of interest is February 2020 to December 2021, when Nigeria began to report COVID-19 cases, and implemented initial measures to control the spread. The study compares analysis of monthly service utilisation patterns from the health facility data information system (DHIS2) for all 36 Nigerian states and the Federal Capital Territory (FCT) to an expected level of service use based on health facility data.

Funding source: African Population and Health Research Center, Nairobi, Kenya

- (iii) Project title: Predictive values of lipid peroxidation markers and micronutrient levels in mid-pregnancy for newborns' maturity and birthweight.

Role: Co-Principal Investigator

A cohort of 200 women with singleton pregnancy, systematically sampled at booking (approximately 20–26 weeks gestation) are currently being followed up till delivery. Serum levels of markers of protein and lipid oxidation [protein carbonyls (PrCarb), 3-nitrotyrosine (3NT), and malondialdehyde (MDA)] and lipid-soluble vitamin E (tocopherols) will be determined in maternal serum at 20–26 weeks gestation and in pair-matched maternal and cord samples at delivery. Associations of PrCarb, 3NT, MDA and tocopherols levels in mothers and neonates with birth weight, head circumference and gestational age will be examined. It is hoped that this proposed study will yield data that will demonstrate the potential benefits (or lack of it) of adding tocopherol supplements to routine antenatal care for the purpose of prevention of low birth weight in Nigeria. Experience gained from this study would also help in the design of larger, possibly multicentre trial to test the impacts of other antioxidants in pregnancy. This study is in its advanced stage and would be concluded by the end of 2022. Funding source: Tertiary Education Trust Fund (TETFund), Nigeria.

11. List the postgraduate candidates/researchers mentored with titles of projects and dates:

(i) MPhil Research

1. Muhydeen Abiodun Abdulraheem

Thesis title: Epidemiology of asymptomatic malaria parasitaemia among schooling adolescents in Nigeria. Submitted for the award of MPhil. In Tropical Medicine at the Institute of Tropical Medicine, Nagasaki, University. – 2015.

(ii) Residents' Research for the Award of Postgraduate Fellowship (FWACP and FMCPaed):

2. Dr. James O. Okereke, FMCPaed
Project title: Bowel Habits of Apparently Healthy Adolescents in Ibadan, Nigeria. Submitted for the award of Fellowship of Nigerian Postgraduate Medical College. – 2011
3. Dr. Elizabeth Olorundare, FWACP
Project title: Predictive values of single and combined anthropometric indices for low birthweight among newborns in the University College Hospital, Ibadan. Submitted to West African College of Physicians, for the award of Fellowship in Paediatrics. - 2013
4. Dr. Adebukola O. Omisanjo, FWACP
Project title: Evaluation of commonly used formulae for weight estimation: comparison with actual weight of healthy children in a local government area in Ibadan. Submitted to West African College of Physicians, for the award of Fellowship in Paediatrics. - 2013
5. Dr. Akinlolu A. Adepoju, FWACP
Project title: Evaluation of immunity against tetanus among female secondary school students in Ibadan north local government area, Nigeria. Submitted to West African College of Physicians, for the award of Fellowship in Paediatrics. – 2013
6. Muhydeen Abiodun Abdulraheem, MPhil.
Project title: Neonatal transport practices in Nigeria and outcomes of transported neonate in a tertiary health centre. Submitted to West African College of Physicians, for the award of Fellowship in Paediatrics. – 2014.
7. Dr. Allan Kigbu, FWACP
Project title: Intestinal bacterial colonisation in the first two weeks of life of healthy newborns delivered at the University College Hospital, Ibadan. Submitted to West African College of Physicians, for the award of Fellowship in Paediatrics. – 2015
8. Dr. Abieyuwa O. Alohan, FWACP
Project title: Relationship of body mass index with health-related quality of life among adolescents in Ibadan North Local Government Area, Nigeria. Submitted to West African College of Physicians, for the award of Fellowship in Paediatrics. – 2015
9. Dr. Oluwabusayo D. Babatunde, FMCPaed
Project title: Prevalence and determinants of unplanned readmission within 60 days of discharge from paediatric wards of the

University College Hospital, Ibadan. Submitted for the award of Fellowship of Nigerian Postgraduate Medical College. – 2016

10. Dr. Olumide O. Olumoriin, FWACP

Project title: Glycaemic profiles of exclusively breastfed apparently healthy term and late preterm neonates over the first 48 hours of life at the Federal Medical Centre, Lokoja. Submitted to West African College of Physicians, for the award of Fellowship in Paediatrics. – 2016

11. Dr. Olayemi George, FWACP

Project title: Comparison of temperatures measured at the temporal artery, axillary, and rectal sites among hospitalised children in Ibadan. Submitted to West African College of Physicians, for the award of Fellowship in Paediatrics. – 2019

12. Dr. Bukola Adetutu Sayomi, FWACP

Project title: Accuracy of the Nelson formula for estimating height in children in Ogbomoso north local government area, Nigeria. Submitted to West African College of Physicians, for the award of Fellowship in Paediatrics. – 2019

13. Dr. Olugbenga O. Akinrinoye, FWACP

Project title: Validity of neck circumference and waist-to-height ratio for identification of overweight and obesity among adolescents in Ibadan, Nigeria. Submitted to West African College of Physicians, for the award of Fellowship in Paediatrics. – 2020.

12. Publications/Patents:

(i) **Books and/or Chapters in Books:**

1. Amodu, O. K., Omotade, O. O., Olumide, A. O., **Orimadegun, A. E.**, Adeyemo, A. A., Adediran, K. I., Balogun, F. M., Osamor, P. E., Ademola, S., and Omobowale, M. (2016). Document of Training, Research and Service. Ibadan: ICH Publications. ISBN 978-5434-40-8; 92 pages.
2. **Orimadegun A. E.**, Muoghalu CO, Jegede AS (2020) Research Design in Social Research. In: Contemporary Issues in Social Research. IsiugoAbanihe UC and Jegede AS, editor. Ibadan: Ibadan University Press; **ISBN: 978-978-8529-33-0; Chapter 9; p.117-140. 994 pages.**
3. **Orimadegun A. E.** (2019) Design, Conduct and Reporting of Clinical Trials. In: Selected Topics in Medical Statistics. Adebawale SA and

Akinyemi JO, editors. Ibadan: Andkolad Nigeria Ltd; ISBN: 978-978-546339-6; Chapter 20; p.456-471. 552 pages.

4. Hamzat, T.K. and **Orimadegun, A.E.** (2012) Documentation in Clinical Trials In: Rajiv S. (ed) Fundamentals of Clinical Trial and Research. New Delhi: Paras Medical Publisher, Chapter 5, pp 34-42. ISBN: 978-81-8191378-4; 231 pages.

(ii) Published papers in learned journals:

5. **Orimadegun A. E.**, Dada-Adegbola H. O., Michael O. S., Adepoju A. A., Funwei R. E., Olusola F. I., Ajayi I. O., Ogunkunle O. O., Ademowo O. G., Jegede A. S., Baba E., Hamade P., Webster J., Chandroman D. and Falade C. O. 2022. Non-Malaria Causes of Fever among under-5 Children with Negative Results for Malaria Rapid Diagnostic Test in South-Western Nigeria. Journal of Tropical Pediatrics 68.(4).
<https://doi.org/10.1093/tropej/fmac061>.
6. Falade C. O., **Orimadegun A. E.**, Olusola F. I., Michael O. S., Anjorin O. E., Funwei R. I., Adedapo A. D., Olusanya A. L., Orimadegun B. E. and Moluolu O. A. Efficacy and Safety of Pyronaridine-Artesunate Versus Artemether-Lumefantrine in the Treatment of Acute Uncomplicated Malaria in Children in South-West Nigeria: An open- labelled randomized controlled trial, 20 May 2022, Preprint (Version 1) available at Research Square [<https://doi.org/10.21203/rs.3.rs-1664143/v1>]
7. Amouzou A, Maïga A, Faye CM, Chakwera S, Melesse DY, Mutua MK, Thiam S, Abdoulaye IB, Afagbedzi SK, Ag Iknane A, Ake-Tano OS, Akinyemi JO, Alegana V, Alhassan Y, Sam AE, Atweam DK, Bajarria S, Bawo L, Berthé M, Blanchard AK, Bouhari HA, Boulhassane OMA, Bulawayo M, Chooye O, Coulibaly A, Diabate M, Diawara F, Esleman O, Gajaa M, Garba KHA, Getachew T, Jacobs C, Jacobs GP, James F, Jegede AS, Joachim C, Kananura RM, Karimi J, Kiarie H, Kpebo D, Lankoandé B, Lawanson AO, Mahamadou Y, Mahundi M, Manaye T, Masanja H, Millogo MR, Mohamed AK, Musukuma M, Muthee R, Nabié D, Nyamhagata M, Ogwal J, **Orimadegun A**, Ovuoraye A, Pongathie AS, Sable SP, Saydee GS, Shabini J, Sikapande BM, Simba D, Tadele A, Tadle T, Tarway-Twalla AK, Tassembledo M, Tehoungue BZ, Terera I, Traoré S, Twalla MP,

- Waiswa P, Wondirad N, Boerma T. 2022 Health service utilisation during the COVID-19 pandemic in sub-Saharan Africa in 2020: a multicountry empirical assessment with a focus on maternal, newborn and child health services. *BMJ global health*. 2022 :e008069. doi: 10.1136/bmjgh-2021008069.
8. Abdulraheem M. A., Ernest M., Ugwuanyi I., Abkallo H. M., Nishikawa S., Adeleke M., **Orimadegun A. E.** and Culleton R. 2022. High prevalence of *Plasmodium malariae* and *Plasmodium ovale* in co-infections with *Plasmodium falciparum* in asymptomatic malaria parasite carriers in southwestern Nigeria. *International Journal for Parasitology* 52.(1): 23-33.
 9. Orimadegun BE, Odaibo GO, **Orimadegun A. E.**, Agbedana EO, Falade CO. 2021 Malaria parasite density and plasma apolipoprotein A1 in symptomatic and asymptomatic infections in Nigerian children. *Journal of Vector Borne Diseases*. 2021;58(4):311-316. doi: 10.4103/09729062.318309.
 10. Orimadegun A., Funwei R., Michael O., Ogunkunle O., Badejo J., Olusola F., Agede O., Anjorin O., Ajayi I. and Jegede A. 2021. Comparative evaluation of three histidine-rich Protein-2 based rapid diagnostic tests, microscopy, and PCR for guiding malaria treatment in Ibadan, Southwest Nigeria. *Nigerian Journal of Clinical Practice* 24.(4): 496-496.
 11. Michael O., Orimadegun A. and Falade C. 2021. Persistence of *Plasmodium falciparum* HRP2 antigen after effective antimalarial therapy. *Annals of Ibadan Postgraduate Medicine* 19.(1): 15-21.
 12. Lagunju IA, Labaeka A, Ibeh JN, **Orimadegun A. E.**, Brown BJ, Sodeinde OO. Transcranial Doppler screening in Nigerian children with sickle cell disease: A 10-year longitudinal study on the SPPIBA cohort. *Pediatric Blood & Cancer* 68.(4): e28906. doi: 10.1002/pbc.28906.
 13. Ibekwe T, Ibekwe P, **Orimadegun EA.** Third force in the treatment of COVID-19: A systematic review and meta-analysis. *Annals of Medicine and Surgery* 65: 102218. doi: 10.1016/j.amsu.2021.102218.
 14. Fagbohun A., **Orimadegun A.**, Yaria J. and Falade A. 2021. Obesity Affects Health-Related Quality of Life in Schools Functioning Among

Adolescents in Southwest of Nigeria. *Nigerian Journal of Clinical Practice* 24.(7): 1015-1015.

15. Atalabi O., Adekanmi A., **Orimadegun A.** and Akinyinka O. 2021. Ultrasonographic Hepatosplenic Parenchymal and Blood Flow Changes in Children with Acute Falciparum Malaria. *West African Journal of Medicine* 38.(5): 420-427.
16. Alao M. A., **Orimadegun A. E.**, Ibrahim O. R., Oyenuga A. O., Asinobi A. O., Gbadero D. A., Okoye I. J. and Nna E. O. 2021. Efficacy and safety of dual intravenous artesunate plus quinine compared to intravenous artesunate for cerebral malaria in a triple blinded parallel multisite randomized controlled trial in Nigerian children: Dual Paq Trial Protocol. *Trials* 22.(1): 1-11.
17. Adepoju AA, Adelaja AO, Amoo A, **Orimadegun A. E.**, Akinyinka OO. Edwardsiella ictaluri, an unusual cause of bacteraemia in a Nigerian child with acute bloody diarrhoea. *International journal of research in medical sciences* 2021 doi: 10.18203/2320-6012.ijrms20213951. PMID: 34660819.
18. Adepoju AA, Akere A, Ogun GO, Ogunbosi BO, Asinobi AO, Bello O, **Orimadegun A. E.**, Allen S, Akinyinka OO. Co-existing sickle cell anaemia and inflammatory bowel disease: case report and review of the literature. *Paediatrics and international child health*: 2021 3:1-7. doi: 10.1080/20469047.2021.1936393.
19. Tongo, O. O., Abdulraheem M. A., **Orimadegun A. E.** and Akinbami F. O. 2020. Immediate Outcomes of Neonatal Transport in a Tertiary Hospital in South-West of Nigeria. *Global Journal of Pediatrics & Neonatal Care* 2.(1): doi: 10.33552/GJPNC.32020.33502.000529.
20. **Orimadegun A. E.**, Adepoju A. A. and Myer L. 2020. A Systematic Review and Meta-analysis of Sex Differences in Morbidity and Mortality of Acute Lower Respiratory Tract Infections among African Children. *Journal of Pediatrics Review* 8.(2): 65-78.
21. **Orimadegun A.** 2020. Protocol and Researcher's Relationship with Institutional Review Board. *African Journal of Biomedical Research* 23.(SE2): 15-20.

22. Okonta P. I., **Orimadegun A. E.**, Umejiego C. and Fajola A. 2020. An Analysis of Still-births from a Busy Cottage Hospital using the Re-Code Classification. *Tropical Journal of Obstetrics and Gynaecology* 37.(2): 233242.
23. Ibekwe T. S., Fasunla A. J. and **Orimadegun A. E.** 2020. Systematic Review and Meta-analysis of Smell and Taste Disorders in COVID-19. *OTO Open* 4.(3): DOI: 10.1177/2473974X20957975.
24. Brown BJ, Manescu P, Przybylski AA, Caccioli F, Oyinloye G, Elmi M, Shaw MJ, Pawar V, Claveau R, Shawe-Taylor J, Srinivasan MA, Afolabi NK, Rees G, **Orimadegun AE**, Ajetunmobi WA, Akinkunmi F, Kowobari O, Osinusi K, Akinbami FO, Omokhodion S, Shokunbi WA, Lagunju I, Sodeinde O, Fernandez-Reyes D. Data-driven malaria prevalence prediction in large densely populated urban holoendemic sub-Saharan West Africa. *Sci Rep.* 2020 Sep 28;10(1):15918. doi: 10.1038/s41598-020-72575-6.
25. **Orimadegun A. E.** and Myer L. 2019. Sex-specific prevalence and trends in acute respiratory infection episodes among children less than 5 years in Nigeria. *Nigeria Journal of Clin Practice* 22.(11): 1590-1599.
26. Akinyinka O. O., Adepoju A. A., Ashubu O. F., Ogunbosi B. O., Olatunji R. B., Akere A., **Orimadegun A. E.**, Oluwasola A. O. 2019. Ulcerative colitis in Nigerian children: A report of two cases and review of the literature. *Nigerian Journal of Paediatrics* 46.(4): 200-205.
27. Okosun O. A., Akinbami F. O., **Orimadegun A. E.** and Tunde-Oremodu I. 2019. Accuracy of mid upper arm circumference in detection of obesity among school children in Yenagoa City, South-south region of Nigeria. *Nigeria Journal of Paediatrics* 46.(2): 48 - 54.
28. Falade C. O., **Orimadegun A. E.**, Michael O. S., Dada-Adegbola H. O., Ogunkunle O. O., Badejo J. A., Funwei R. I., Ajayi I. O., Jegede A. S. and Ojurongbe O. D. 2019. Consequences of restricting antimalarial drugs to rapid diagnostic test-positive febrile children in south-west Nigeria. *Tropical Medicine & International Health* 24.(11): 1291-1300.
29. Olofin Z. F., **Orimadegun, A. E.**, Falade, C. O. Appropriateness of Assumed Versus Absolute White Blood Cell Counts for Estimation of

Malaria Parasite Density in Children Population in Ibadan Southwest Nigeria. *Archives of Basic and Applied Medicine* 2019; 7.(1): 1–6.

30. Adepoju A., **Orimadegun A.**, Allen S. and Akinyinka O. 2019. Adequacy of Bristol stool form scale in the assessment of stools by mothers of healthy infants in Ibadan, Nigeria. *Nigerian Journal of Paediatrics* 46.(4): 169–173.
31. **Orimadegun A. E.**, Orimadegun B. E. and Bamgboye E. A. 2018. Shortterm Persistence of Protective Maternally Acquired Immunity in Neonates Delivered by Primiparous Women in Ibadan, Nigeria. *Ethiopian Journal of Health Sciences* 28.(5): 547-554. doi: 10.4314/ejhs.v28i5.5.
32. Ndila CM, Uyoga S, Macharia AW, Nyutu G, Peshu N, Ojal J, Shebe M, Awuondo KO, Mturi N, Tsofa B, Sepúlveda N, Clark TG, Band G, Clarke G, Rowlands K, Hubbard C, Jeffreys A, Kariuki S, Marsh K, Mackinnon M, Maitland K, Kwiatkowski DP, Rockett KA, Williams TN; **MalariaGEN Consortium**: Vanderwal A, Elzein A, Nyika A, Mendy A, Miles A, Diss A, Kerasidou A, Green A, Jeffreys AE, MacInnis B, Hughes C, Moyes C, Spencer CC, Hubbard C, Malangone C, Potter C, Mead D, Barnwell D, Kwiatkowski DP, Jyothi D, Drury E, Somaskantharajah E, Hilton E, Leffler E, Maslen G, Band G, Busby G, Clarke GM, Ragoussis I, Garcia JA, Rogers J, deVries J, sheldon J, Ragoussis J, Stalker J, O'Brien J, Evans J, Rowlands K, Cook K, Fitzpatrick K, Kivinen K, Small K, Johnson KJ, Rockett KA, Hart L, Manske M, McCreight M, Stevens M, Pirinen M, Hennsman M, Parker M, SanJoaquin M, Sepúlveda N, Cook O, Miotto O, Deloukas P, Craik R, Wrigley R, Watson R, Pearson R, Hutton R, Auburn S, Shah S, Le SQ, Molloy S, Bull S, Campino S, Clark TG, Ruano-Rubio V, Cornelius V, Teo YY, Corran P, De Silva N, Risley P, Doyle A, Evans J, Horstmann R, Plowe C, Duffy P, Carucci D, Gottlieb M, Tall A, Ly AB, Dolo A, Sakuntabhai A, Puijalon O, Bah A, Camara A, Sadiq A, Khan AA, Jobarteh A, Mendy A, Ebonyi A, Danso B, Taal B, Casals-Pascual C, Conway DJ, Onykwelu E, Sisay-Joof F, Sirugo G, Kanyi H, Njie H, Obu H, Saine H, Sambou I, Abubakar I, Njie J, Fullah J, Jaiteh J, Bojang KA, Jammeh K, Sabally-Ceesay K, Manneh L, Camara L, Yamoah L, Njie M, Njie M, Pinder M, Jallow M, Aiyegbo M, Jasseh M, Keita ML, Saidy-Khan M,

Jallow M, Ceesay N, Rasheed O, Ceesay PL, Esangbedo P, Cole-Ceesay R, Olaosebikan R, Correa S, Njie S, Usen S, Dibba Y, Barry A, Djimde A, Sall AH, Abathina A, Niangaly A, Dembele A, Poudiougou B, Diarra E, Bamba K, Thera MA, Doumbo O, Toure O, Konate S, Sissoko S, Diakite M, Konate AT, Modiano D, Bougouma EC, Bancone G, Ouedraogo IN, Simpure J, Sirima SB, Mangano VD, Troye-Blomberg M, Oduro AR, Hodgson AV, Ghansah A, Nkrumah F, Atuguba F, Koram KA, Amenga-Etego LN, Wilson MD, Ansah NA, Mensah N, Ansah PA, Anyorigiya T, Asoala V, Rogers WO, Akoto AO, Ofori AO, Enimil A, Ansong D, Sambian D, AsafoAgyei E, Sylverken J, Antwi S, Agbenyega T, **Orimadegun, A. E.**, Amodu FA, Oni O, Omotade OO, Amodu O, Olaniyan S, Ndi A, Yafi C, Achidi EA, Mbunwe E, Anchang-Kimbi J, Mugri R, Besingi R, Apinjoh TO, Titanji V, Elhassan A, Hussein A, Mohamed H, Elhassan I, Ibrahim M, Kokwaro G, Oluoch T, Macharia A, Ndila CM, Newton C, Opi DH, Kamuya D, Bauni E, Marsh K, Peshu N, Molyneux S, Uyoga S, Williams TN, Marsh V, Manjurano A, Nadjm B, Maxwell C, Drakeley C, Riley E, Mtei F, Mtove G, Wangai H, Reyburn H, Joseph S, Ishengoma D, Lemnge M, Mutabingwa T, Makani J, Cox S, Phiri A, Munthali A, Kachala D, Njiragoma L, Molyneux ME, Moore M, Ntunthama N, Pensulo P, Taylor T, Nyirongo V, Carter R, Fernando D, Karunaweera N, Dewasurendra R, Suriyaphol P, Singhasivanon P, Simmons CP, Thai CQ, Sinh DX, Farrar J, Van Chuong L, Phu NH, Hieu NT, Mai NT, Quyen NT, Day N, Dunstan SJ, O'Riordan SE, Chau TT, Hien TT, Allen A, Lin E, Karunajeewa H, Mueller I, Reeder J, Manning L, Laman M, Michon P, Siba P, Allen S, Davis TM. 2015. Human candidate gene polymorphisms and risk of severe malaria in children in Kilifi, Kenya: a case-control association study. *Lancet Haematol.* 2018 Aug;5(8):e333-e345. doi: 10.1016/S2352-3026(18)30107-8. Epub 2018 Jul 20. PMID: 30033078; PMCID: PMC6069675.

33. McMillan A., Renaud J. B., Burgess K. M., **Orimadegun A. E.**, Akinyinka O. O., Allen S. J., Miller J. D., Reid G. and Sumarah M. W. 2018. Aflatoxin exposure in Nigerian children with severe acute malnutrition. *Food and Chemical Toxicology* 111: 356-362.
34. **Orimadegun A. E.**, Orimadegun BE, Bamgboye EA. Non-protective immunity against tetanus in primiparous women and newborns at birth in

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Signature