

# OLAWUNMI RASHIDAT OYERINDE (NEE RABIU)

Phone Numbers: +2348055468776, +2348162236645  
Email: [wummier@yahoo.com](mailto:wummier@yahoo.com), [royerinde@mtu.edu.ng](mailto:royerinde@mtu.edu.ng)  
Designation: Lecturer II

Department of Biological Sciences,  
(Biology Program),  
College of Basic and Applied Sciences,  
Mountain Top University,  
Km 12, Lagos-Ibadan Expressway,  
Prayer City,  
Ogun State, Nigeria

---

## **EDUCATION:**

**January 2011 – June 2020**

**Ph.D. (Parasitology)**, University of Ibadan, Nigeria

**Thesis Title:** Cytokine profile and iron status of pregnant women with malaria, intestinal helminths and HIV infections in Ibadan, Nigeria.

**Supervisors:** Professor A. B. Odaibo and Professor O. G. Ademowo

**September 2007 – December 2009**

**M. Sc. (Parasitology)**, University of Ibadan, Nigeria

**Research Title:** Effects of low protein diet and pregnancy on course of *Plasmodium berghei* infection in BALB/c mice.

**Supervisors:** Professor A. B. Odaibo and Professor O. G. Ademowo

**August 1999 – March 2004**

**B. Sc. (Zoology)**, University of Ibadan, Nigeria

**Project Title:** Influence of malaria infection on host factors in pregnant women.

**Supervisors:** Professor Adesola A. Hassan

## **HONOURS AND AWARDS**

### **Research Grant**

2023

Molecular Characterization and Immunological Interplay of *Plasmodium falciparum* and *Staphylococcus aureus* bacteraemia among febrile children (Value - \$4,321.70)

**Grant number** – DKOMFAMTU007

**Role:** Principal Investigator

### **Fellowship Award**

**Institute of Infectious Diseases of Poverty PhD Research Fellowship** 2013 - 2016

Wellcome<sup>Trust</sup>-funded PhD Research Fellowship in Infectious Diseases of Poverty awarded by the Institute of Infectious Diseases of Poverty (IIDP) April 2013 – December 2016

### **Travel Grant Awards**

African ImmunoBiology of Parasites, Pathogens, and Pathogenesis (AFRIBOP 2022) Training Course – Organized by Malawi-Liverpool Wellcome Trust Program (Mangochi, Malawi). 13-19 November, 2022.

Global Health Travel Award funded by Bill & Melinda Gates Foundation to attend Keystone Symposia on Helminths: New Insights from Immunity to Global Health in Cape Town, South Africa 8-12 December, 2019

Global Health Travel Award funded by Bill & Melinda Gates Foundation to attend Keystone Symposia on Co-infection: A Global Challenge for Disease Control in Ouro Preto MG, Brazil  
15-20 March, 2015

Travel Scholarship Award to attend Fifth MIM Conference in Nairobi, Kenya  
2-6 November, 2009

## **WORK EXPERIENCE:**

**Mountain Top University, Nigeria** 2021 till date

Lecturer, Department of Biological Sciences

Roles/Responsibilities (Department):

- Teaching both undergraduate and postgraduate students
- Revision of curricula to meet up with accreditation standards
- Impress/Procurement Officer 2021/2022
- Departmental PG Coordinator
- Biology Program Coordinator 2022/2023

Roles/Responsibilities (College):

- Coordinator, College Welfare Committee 2023

Roles/Responsibilities (University):

- Sub-Dean, Student Affairs (Academic Matters) 2023
- Member, University Scholarship Committee 2021 till date

## **Courses taught**

BIO 101	General Biology I	3 units	2016-2019, 2021-2023
BIO 102	General Biology II	3 units	2016-2019, 2022-2023
BIO 201	Genetics I	2 units	2016-2019, 2021-2023
BIO 203	General Physiology	2 units	2021-2023
BIO 205	Invertebrate Zoology	3 units	2021-2023
BIO 204	Biological Techniques	2 units	2016-2019, 2022-2023
BIO 208	Introductory Developmental Cell Biology	3 units	2022-2023
BIO 210	Chordates	3 units	2022-2023
BIO 301	Genetics II	3 units	2022-2023
BIO 317	The Biology of Tropical Parasites	3 units	2021-2023
BIO 408	Principles of Parasitology	4 units	2022-2023
BTG 202	Introduction to Biotechnology	3 units	2018-2019
MCB 405	Principles of Epidemiology & Public Health	3 units	2019
MCB 853	Basic Principles and Concepts in Parasitology	3 units	2022
MCB 836	Clinical Microbiology & Parasitology	3 units	2022
MCB 838	Advanced Epidemiology & Public Health	3 units	2022
MCB 860	Epidemiology and Control of Parasitic Diseases in the Tropics	3 units	2022

**Career Break** (devoted time to completion of PhD program) (2019-2021)

## Mountain Top University, Nigeria

2016 - 2019

Assistant Lecturer, Department of Biological Sciences

Roles/Responsibilities (Department):

- Taught undergraduate students from 100 – 400 levels
- Developed questions for examinations
- Participated in curriculum development for Biology Program
- Appointed as the Impress Officer for the department 2016 – 2019
- Coordinated Health Awareness Day project of a medical outreach to the University neighbouring community 2019

Roles/Responsibilities (College):

- Member, College Welfare Committee 2016 - 2019

Roles/Responsibilities (University):

- Member, University Publicity Committee 2017 – 2019

## PUBLICATIONS:

Googlescholar: <https://scholar.google.com/citations?hl=en&user=a1OjEyMAAAAJ>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=55531660700>

ORCID: <https://orcid.org/0000-0002-8797-2122>

Researchgate: <https://www.researchgate.net/profile/Olawunmi-Rabiu>

## Books

1. Atinuke Idowu, Nelly Acha Ndukwe, Ogunsuyi O. I. and Oyerinde, O. R. (2022). A Compendium of General Studies 2. History and Philosophy of Science / Environment and Sustainable Development (Chapter 3, 67-120). Nigeria. Center for General Studies, Mountain Top University.

## Journal Publications

2. Oluyemi Okunlola, **Olawunmi Oyerinde**, Imisioluwa Fashina, Oyetunde Oyeyemi (2023). Vaccination compliance of selected childhood immunization programmes and the socio-determinant factors in Nigeria. *J. Infect. Dev. Ctries* 17(10):1466-1473. doi:10.3855/jidc.17866
3. **Olawunmi R. Rabiu**, Hannah Dada-Adegbola, Catherine O. Falade, Olatunbosun G. Arinola, Alexander B. Odaibo, Olusegun G. Ademowo (2022). Serum cytokine profile of pregnant women with malaria, intestinal helminthes and HIV infections in Ibadan, Nigeria. *Parasitol. Res* 121(7):1983–1992. doi:10.1007/s00436-022-07531-6
4. Oyetunde T. Oyeyemi, Ifeoluwa T. Oyeyemi, Nafisat A. Alamukii, Jennifer K. Kone, **Olawunmi, R. Oyerinde**, Iyadunni A. Anuoluwa, Oghale O. Ovuakporie-uvo, Isaac A. Adesina, Yinka D. Oluwafemi, Sylvia O. Ogoanah, Adebisi M. Tihamiyu (2021). Cryptosporidium and colorectal cancer: a review of epidemiology and possible association *Forum Clin. Oncol* 12(2):1-10. doi: 10.2478/fco-2021-0009.
5. Oluwafunmibi E. Anjorin, **Olawunmi R. Oyerinde**, Ikechukwu A. Orji, Mercy U. Ikechukwu-Orji, Ibukun A. Anjorin (2021). Assessment of knowledge, practice and perception of

Nigerian medical practitioners on COVID-19 and its treatment using antimalarial drugs. *Texila Int J Public Health*; 9(2):Art028. doi: 10.21522/TIJPH.2013.09.02.Art028

6. **Olawunmi R. Rabi**, Hannah Dada-Adegbola, Catherine O. Falade, Olatunbosun G. Arinola, Alexander B. Odaibo, Olusegun G. Ademowo (2021). Malaria, Helminth Infections and Clinical Status among HIV-Infected Pregnant Women. *Int J MCH AIDS*; 10(1):81-87. doi: 10.21106/ijma.352.
7. **Rabi** OR, Dada-Adegbola H, Kosoko AM, Falade CO, Arinola OG, Odaibo AB, Ademowo OG. (2020). Contributions of malaria, helminths, HIV and iron deficiency to anaemia in pregnant women attending ante-natal clinic in SouthWest Nigeria. *Afri Health Sci*.; 20(3):1035-1044. doi: 10.4314/ahs.v20i3.6.
8. **Olawunmi R. Rabi**, Ayokulehin M. Kosoko, Catherine O. Falade, Olusegun G. Ademowo. (2013). Evaluation of the Performances of Two Rapid Diagnostic Tests (Cyscope®mini and Paracheck-Pf®) in the Diagnosis of Malaria among Febrile Children in Southwest Nigeria. *Med Princ Pract*.; 22(3):255-259. doi: 10.1159/000345642.
9. **Rabi** OR, Arinola OG, Odaibo AB and Ademowo OG. (2012). Effects of low protein diet and pregnancy on course of *Plasmodium berghei* infection in mice. *Afr. J. Med. med. Sci*.; 41, Suppl. 139-144.

#### **Published abstracts**

1. George Ademowo, **Olawunmi Rabi**, Ganiyu Arinola, Catherine O. Falade. (2019). Cytokine profile in asymptomatic school children co-infected with helminths and *Plasmodium falciparum* in Ibadan, South-west Nigeria. *BMJ Global Health* 4:A55 dx.doi.org/10.1136/bmjgh-2019-EDC.145
2. G.O. Ademowo, **O. Rabi**, A. Kosoko, H. Dada-Adegbola, G. Arinola, C. Falade. (2014). Prevalence and interaction of malaria and helminth co-infections among symptomatic and asymptomatic children in Southwest Nigeria. *Int J Infect Dis* 21 (S1) doi: 10.1016/j.ijid.2014.03.1035

#### **IMPORTANT LEARNED COURSES, CONFERENCES AND WORKSHOPS ATTENDED:**

##### **Courses**

1. African ImmunoBiology of Parasites, Pathogens, and Pathogenesis (AFRIBOP 2022) Training Course – Organized by Malawi-Liverpool Wellcome Trust Program (Mangochi, Malawi). 13-19 November, 2022.
2. Short Course on Immunology of TB and HIV – Organized by Makerere/Uganda Virus Research Institute (UVRI) Infection and Immunity Research Training Program (Entebbe, Uganda). 10-21 Sept. 2012.
3. Training Course on Molecular Epidemiology Tools for Tuberculosis Surveillance – Organized by DAMIEN/University of Ibadan/Society for Applied Microbiology (SFAM) (Ibadan, Nigeria). 4-7 January, 2011.

##### **Conferences**

1. 21st Annual Scientific Conference of Society for Experimental Biology of Nigeria (NISEB): Experimental Biology: A Panacea to Achieving Sustainable Development Goals in the Post-Pandemic Era, Ogun State, Nigeria. 30 August – 2 September, 2022.

**Paper presented** - Abstract no: (poster presentation)

**Oyerinde OR**, Dada-Adegbola H, Kosoko AM, Falade CO, Arinola OG, Odaibo AB, Ademowo OG. Serum transferrin levels among pregnant women with malaria, intestinal helminths and HIV infection in Ibadan, Nigeria

2. Keystone Symposia on Helminths: New Insights from Immunity to Global Health, Cape Town, South Africa. 8-12 December, 2019.

**Paper presented** - Abstract no: 2018 (poster presentation)

**Oyerinde OR**, Dada-Adegbola H, Kosoko AM, Falade CO, Arinola OG, Odaibo AB, Ademowo OG. Helminth Co-infection with Malaria or HIV among Pregnant Women Attending Ante-natal care in Ibadan, Southwest Nigeria.

3. Fifth UNIBADAN Conference of Biomedical Research on Biotechnology for Sustainable Development, Ibadan, Nigeria. 13-15 July, 2016.

**Paper presented** - Abstract no: OPD05 (oral presentation).

**Olawunmi Rashidat Rabi**, Ayokulehin Muse Kosoko, Hannah O Dada-Adegbola, Catherine Olufunke Falade, Olatunbosun Ganiyu Arinola, Alexander Bababunmi Odaibo, Olusegun George Ademowo. Helminth-induced changes in cytokine profile of pregnant women with co-infections of helminthes and *Plasmodium* or HIV.

4. Keystone Symposia on New Approaches to Vaccines for Human and Veterinary Tropical Diseases, Cape Town, South Africa. 22-26 May, 2016.

**Paper presented** - Abstract no: 3022 (poster presentation).

**OR Rabi**, AM Kosoko, H Dada-Adegbola, CO Falade, OG Arinola, OG Ademowo. Changes in cytokine profile of pregnant women infected with single and multiple species of intestinal helminthes.

5. Keystone Symposia on Co-infection: A Global Challenge for Disease Control, Ouro Preto MG, Brazil. 15-20 March, 2015.

6. Faculty of Science International Conference on Science and Sustainable Development in Nigeria, Ibadan, Nigeria. 13-17 May, 2013.

**Paper presented** - Abstract no: SSD 084 (oral presentation).

**Rabi Olawunmi**, Odaibo Alexander and Ademowo Olusegun. Impact of socio-economic status of pregnant women on susceptibility to malaria and helminthiasis in Southwestern Nigeria.

7. Third UNIBADAN Conference of Biomedical Research, Ibadan, Nigeria. 24-27 July, 2012.

**Paper presented** - Abstract no: (oral presentation).

**Rabi OR**, Kosoko AM, Falade CO and Ademowo OG. Evaluation of the performances of two rapid diagnostic tests (CyScope<sup>®</sup>mini and Paracheck-Pf<sup>®</sup>) in the diagnosis of malaria among febrile children in Southwest Nigeria.

8. Fifth MIM Pan-African Malaria Conference, Nairobi, Kenya. 2-6 November, 2009.

**Paper presented** - Abstract no: 464 (poster presentation).

**Rabi OR**, Odaibo AB, Arinola OG and Ademowo OG. Effects of low protein diet and pregnancy on *Plasmodium berghei* infection in mice.

**Workshops/Trainings**

1. Capacity Building Workshop on 21st Century University Curriculum Review – Organized by Academic Planning Unit, Mountain Top University. 21 January, 2022.

2. Graduate Internship in International Development – Organized by Dataville Research LLC with authorization from Institute for Development Research (Virtual). July-September, 2021.
3. 3-day Grant and Proposal Writing Workshop – Organized by Mountain Top University, Ogun State (Nigeria). 17-19 April, 2018.
4. 5-day Molecular Biology Hands-on Training Workshop – Organized by Nigerian Institute of Medical Research, Yaba, Lagos State (Nigeria). 7-11, August, 2017.
5. Workshop on Implementation of Point of Need Diagnostics in the Disease Eradication Program in Nigeria – Organized by Institute for Advanced Medical Research and Training (IAMRAT), College of Medicine, University of Ibadan with support from Alexander von Humboldt Foundation (Nigeria) . 11-12, April, 2017.
6. Workshop on Advanced Digital Appreciation Programme for Tertiary Institutions (ADAPTI) – Organized by National Character Commission and Digital Bridge Institute, Abuja (Nigeria). 9-13, May, 2016.
7. 3-day Capacity Building Workshop on Grantsmanship, Thesis and Manuscript Writing, Ethics in Research, Pedagogy and the Art of Instruction – Organized by The Wellcome<sup>Trust</sup> Supported Institute of Infectious Diseases of Poverty, University of Ibadan (Nigeria). 19-21, August, 2015.
8. Workshop on Introductory Molecular Biology and Bioinformatics - Organized by World Bank/Science and Technology Education Post-Basic (STEP B) and Center for Biotechnology and Genetic Engineering (CENBIOGEN), Institute for Advanced Medical Research and Training (IAMRAT), College of Medicine, University of Ibadan (Nigeria). 17-20 June, 2013.
9. Workshop on Immunophenotyping - Organized by World Bank/Science and Technology Education Post-Basic (STEP B) and Center for Zoonotic and Infectious Diseases, Department of Virology, College of Medicine, University of Ibadan (Nigeria). 20-24 May, 2013.
10. Workshop on Online Information Access, Retrieval, Use of Bibliographic Reference Management – Organized by Medical Education Partnership In Nigeria (MEPIN)/ Medical Library, College of Medicine, University of Ibadan (Nigeria). 28-29 June, 2012.
11. Training Workshop on Applications of Molecular Markers in Biological Research – Organized by University of Ibadan (Nigeria). 27-29 March, 2012.
12. Workshop on Biosafety and Good Laboratory Practice - Organized by World Bank/Science and Technology Education Post-Basic (STEP B) and Center for Biotechnology and Genetic Engineering (CENBIOGEN), Institute for Advanced Medical Research and Training (IAMRAT), College of Medicine, University of Ibadan (Nigeria). 28 Feb – 1 March, 2012.
13. Workshop on Scientific Writing – Organized by Department of Epidemiology, Medical Statistics and Environmental Health (EMSEH)/ Department of Reproductive Health and Research, World Health Organisation (WHO) (Nigeria). 22-25 June, 2010.

14. Peer Education Training Course – Organised by National Youth Service Corps (NYSC) Reproductive Health and HIV/AIDS Prevention Project/United Nations International Children Education Fund (UNICEF) under the NYSC (Nigeria). 13-18 September, 2004.

### **RESEARCH AND INTERPERSONAL SKILLS:**

- Research design and implementation – Ability to design scientific experiment and execute properly, design and administer questionnaires and organize focus group discussions.
- Biological skills – Advanced skills in microscopy and ELISA with basic skills in PCR, Immunophenotyping, flow cytometry etc.
- Data processing skills – Strong background in the use of various statistical softwares such as SPSS, Graph Pad Prism, Open Epi etc. in analyzing scientific data sets using univariate and multivariate statistical methods.
- IT skills – Familiar with Microsoft Excel, Word, Power point packages, ability to surf the internet and get required information.
- Writing skills – Report writing, manuscript preparation in scientific journals and designing of scientific posters.
- Interpersonal skills – Ability to work independently as well as in a team, respond creatively to changes, crises and added responsibilities. Good in logistics and planning.
- Public speaking/Presentation skills – Ability to present interactively to any group of audience, to use Microsoft power point and poster in presentation to a live audience.

### **PROFESSIONAL AFFILIATIONS:**

International Society for Infectious Diseases (ISID) – member

Organization for Women in Science for the Developing World (OWSD) – member

Nigeria Society for Immunology (NSI) - member

### **Details of Administrative Experience:**

- Sub-Dean, Student Affairs (Academic Matters), Mountain Top University – August 2023
- Member, Board of School of Postgraduate Studies, Mountain Top University – October 2022
- Biology Program Coordinator, Dept. of Biological Sciences, Mountain Top University – Sept. 2022 – 2023
- Postgraduate Programs Coordinator, Dept. of Biological Sciences, Mountain Top University – May 2022 – till date
- Member of the University Scholarship Committee, Mountain Top University – Dec., 2021 – till date
- Planning and soliciting the support of the major stakeholders from Ogun State Primary Health Care Development Authority and the community leaders of Magada Community towards the Health Awareness Day programme initiated by the Dept. of Biological Sciences, Mountain Top University – June 2019.

- Member of the University Publicity Committee, Mountain Top University – May, 2017 – July 2019
- Member of the College Welfare Committee, Mountain Top University – Dec. 2016 – July 2019
- Assisted in logistic planning and execution of World Bank/Science and Technology Education Post-Basic (STEP B) workshops organized by Institute for Advanced Medical Research and Training (IAMRAT) – February 2012 and June 2013.