

Rosemary Audu is a Professor of Medical Virology at Lead City University and a Director of Research at the Nigerian Institute of Medical Research (NIMR). She is currently the head of Microbiology Department in the institute and she is an Emory Nigeria Research Training Program Director. She has a strong passion and commitment to standards hence, she led the two national reference laboratories in NIMR (Center for Human Virology and Genomics, and Center for Tuberculosis Research) to obtain international accreditation to ISO 1589:2012; making them the first public health laboratories in the country to attain such feat. Furthermore, she prepared the Center for Human Virology and Genomics to be listed as a WHO prequalification laboratory for in-vitro diagnostics making it the only center in West Africa.



Over the last two decades, she has worked in the field of HIV/AIDS and has evaluated various diagnostic tools for HIV screening, viral load testing, and has contributed immensely towards the development of the national algorithm for the early infant diagnosis of HIV using dry blood spots. She set up the first viral load testing facilities for HIV, HCV, and HBV in the country, as well as the first genotyping facilities for HIV, HCV and HPV. Rosemary Audu is a trained ASLM and ISO 15189 assessor.

She currently lectures and supervises postgraduate students at the Lead City University. She has also anchored several training programs for health workers on antiretroviral therapy and she supervised the development of the NIMR training manuals for doctors, pharmacists, nurses and laboratory scientists. She is currently the Training Coordinator at NIMR. Until recently, she was a member of the National ART Task team. She is a current member of the National Technical Working Group on Viral Hepatitis and a member of the World Health Organization, Africa Medical Devices Forum for COVID19 Technical Working Group. She is a past Fogarty fellow and a Heymann fellow of IANPHI leadership academy.

Rosemary Audu is coordinating her institutional response to the COVID pandemic and she is a member of the laboratory and research pillars of the Lagos State response to COVID-19. She also leads the Virus Natural History, Transmission and Diagnostic Technical Working Group of the Nigeria COVID-19 Research Consortium. She and her team are tracking and monitoring the disease in her country by continuous sequencing of SARS-CoV-2 virus. They are involved in the development of assays for detection of COVID-19 and other viruses causing Viral Haemorrhagic Fever. She is the program director for the NIMR Viral Haemorrhagic Fever Extramural Research Program.

CURRICULUM VITAE

I. BIODATA

Name: **Audu Rosemary Ajuma (Nee Okolo)**
Date of Birth: 30th September 1968
Division: Center for Human Virology and Genomics
Department: Microbiology
State of Origin: Kogi
LGA: Olamaboro
Marital Status: Married
No of Children: 3 (30yrs, 28yrs, 21yrs)

II. ACADEMIC APPOINTMENTS

First Academic Appointment: Junior Research Fellow (NIMR) – 11th January 1993
Present Post: Director Research (NIMR) – 2018 to Date
Present Post: Professor of Medical Virology (Lead City University, Ibadan) – 2019 to Date

III. UNIVERSITY EDUCATION

1. University of Lagos, Lagos 1996-2000
2. University of Lagos, Lagos 1991-1992
3. Ahmadu Bello University, Zaria 1986-1989

IV. ACADEMIC QUALIFICATION

1. B.Sc. (Hons) Microbiology - 1989 ABU, Zaria
2. M.Sc. Medical Microbiology (Virology Specialty) - 1992 University of Lagos
3. Ph.D. Medical Microbiology (Virology Specialty) - 2000 University of Lagos

V. SCHOLARSHIPS AND FELLOWSHIPS

1. Forgatty Fellowship in HIV/AIDS and Computer Applications at the National Institutes of Health, Bethesda, Maryland, USA. 2003
2. Heymann Fellow of International Association of National Public Health Institutes (IANPHI) Leadership Academy 2015
3. CDC and ATSDR Honor Award, The 2014 International Excellence in Partnering Award 2015

VI. HONOURS DISTINCTIONS AND MEMBERSHIP OF LEARNED SOCIETIES

a. Distinguished contributions to national development

Blazed the trail in the implementation of quality management system by leading the Center for Human Virology and Genomics, NIMR to achieve the following feat:

1. First clinical laboratory in Nigeria with ISO 9001:2008 certification - 2008
2. First public clinical laboratory in Nigeria with ISO 15189:2012 accreditation -2017
3. First clinical laboratory in West Africa to be listed as WHO prequalification Laboratory - 2018

b. Membership of learned societies

1. American Society of Microbiology
2. African Society of Laboratory Medicine

c. Membership of editorial board and or journal reviews

- Saudi Medical Journal (Reviewer) 2005 – 2010
- Editorial Board of Nigerian Journal of Clinical and Biomedical Research (Member) 2006 – To Date
- African Health Sciences (Reviewer) 2007
- African Medical Journal (Reviewer) 2009
- World Journal of Pediatrics (Reviewer) 2014
- African Journal of Reproductive Health (Reviewer) 2012 – To Date
- African Journal of Laboratory Medicine (Reviewer) 2012 – To Date

- Journal of Infectious Diseases (Reviewer) 2021
- AIDS Research and Human Retroviruses (Reviewer) 2021
- Global Health Action (Reviewer) 2020 - To Date
- International Journal of Microbiology (Reviewer) 2019 – To Date
- American Journal of Tropical Medicine and Hygiene (Reviewer) 2019 – To Date
- Clinical Medicine Journal (Reviewer) 2019 – To Date

VII. DETAILS OF SUPERVISION/WORK/RESEARCH EXPERIENCE

a. Students Supervised and Qualifications

University of Lagos

- | | | |
|---------------------|--------------------------------------|------------------|
| 1. Femi Adebayo | MSc. Virology | 2003 (Completed) |
| 2. Mohammed Balogun | MSc. Biochemistry | 2003 (Completed) |
| 3. Emily Meshack | MSc. Medical Microbiology (Virology) | 2004 (Completed) |
| 4. Azuka Okwuraiwe | PhD Biochemistry | 2009(Completed) |
| 5. Samuel Amoo | MSc. Cell Biology | 2011(Completed) |
| 6. Mabel Uwandu | MSc. Biochemistry | 2012 (Completed) |
| 7. Olumuyiwa Salu | PhD Medical Micro (Virology) | 2012 (Completed) |
| 8. Chika Onwuamah | PhD Cell Biology | 2012 (Completed) |
| 9. Fehintola Ige | PhD Cell Biology | 2015 (On-going) |
| 10. Joseph Shaibu | PhD Virology | 2017 (On-going) |

Lead City University

- | | | |
|-----------------------|--------------------|-----------------|
| 1. Animasaun Olowale | MPhil/PhD Virology | 2020 (On-going) |
| 2. Akomolafe Busayo | MPhil/PhD Virology | 2020 (On-going) |
| 3. Akindele Ibukun | MPhil/PhD Virology | 2020 (On-going) |
| 4. Olufisayo Famuyiwa | MPhil/PhD Virology | 2019 (On-going) |

5. Adekunle Adeluwoye MPhil/PhD Virology 2019 (On-going)
6. Temitope Ogunleye MPhil/PhD Virology 2019 (On-going)

b. Trainer and postgraduate examiner

- Post Graduate Students at the Department of Medical Microbiology, College of Medicine, University of Lagos (Examiner) 2003 – To Date
- Global Fund Training for Laboratory Scientists (Trainer) 2004 – 2010
- Effective Project Planning and Evaluation in Health Research (Trainer)
 - 2007 – To Date
- Quality Management Training for Clinical Laboratory (Trainer)
 - 2009 – To Date
- Strengthening Laboratory Management Towards Accreditation (Trainer)
 - 2012 – To Date
- NIMR Pre-conference and young and early scientists for a (Trainer)
 - 2013 – To Date
- Career Development Course for African Society for Laboratory Medicine Conference (Trainer) 2014

d. Consultancy services

- Development of Guidelines for the Use of Antiretroviral (ARV) Drugs in Nigeria – Federal Ministry of Health 2005
- Paediatric HIV and AIDS Technical Working Group – Federal Ministry of Health
 - 2006 – 2010
- Laboratory Quality Assurance Technical Working Group (CDC)
 - 2006 - To Date
- Technical Advisory Committee for Laboratory and Blood Safety Component of National AIDS/STIs Control Programme (NASCP) 2006 – 2010
- National Task Team on Anti-Retroviral Therapy (Member) 2010 – 2016
- National Laboratory Quality Assurance Team (Member) 2010 – 2014
- Steering Committee on Trainings under the Consolidated GFATM Round 5, 8 & 9 Grants (Member) 2011
- Quality Auditor for the African Society for Laboratory Medicine SLIPTA 2014 – To Date

- National Technical Working Group on Viral Hepatitis (Member)
 - 2016 – To Date
- National HIV Drug Resistance Surveillance Technical Working Group (Member)
 - 2019 – To Date
- World Health Organization, Africa Medical Devices Forum
– Technical Committee (Member) 2020

e. Work Experience

1. 1989-1990 - National Youth Service Corps at University of Lagos (Research Assistant)
2. 1993-1996 - Nigerian Institute of Medical Research (Junior Research Fellow)
3. 1997- 2000 - Nigerian Institute of Medical Research (Research Fellow II)
4. 2001- 2003 - Nigerian Institute of Medical Research (Research Fellow I)
5. 2004- 2007 - Nigerian Institute of Medical Research (Senior Research Fellow)
6. 2008-2013 - Nigerian Institute of Medical Research (Chief Research Fellow)
7. 2013 – 2018 Nigerian Institute of Medical Research (Deputy Director, Research)
8. 2018 - To Date Nigerian Institute of Medical Research (Director, Research)
9. 2019 – To Date Lead City University (Professor of Medical Virology)

f. Head of academic department or units

- 1996-2001 - Head, Diarrhoea Unit, Microbiology Dept., NIMR
- 2001- 2017 - Head, Human Virology Laboratory, NIMR
- 2017 – To Date - Head, Microbiology Department, NIMR

g. Committees served on in NIMR

- Scientific Seminar Committee (member) 2000 – 2013
- Housing Committee (member) 2004 – 2008
- Grant Writing Committee (member) 2010 – 2016
- Senior Management Committee (member) 2011 – To Date
- Scientific Conference Committee (Chair for 2yrs) 2012 – 2016

- Institutional Review Board 2012 – 2020
- Scientific Committee 2016 – To Date
- Training Committee (Chair) 2016 -To Date

h. Community service

- Children Bible Club in the community - 1994 – To Date
- Outreaches to children in hospitals and remand homes- 2010 – To Date
- Medical Evangelism to rural communities - 2014 – To Date

i. Research Experience

1. Potency, Efficacy and Seroepidemiology of Polioviruses and Measles Vaccines in Lagos Nigeria
2. Investigation of Rabies Virus in the Saliva of Apparently Healthy Dogs
3. The Aetiological Agents of Childhood Diarrhoea
4. Evaluation of Immunization Coverage in Pedro Village of Lagos State
5. Characterization of Rotavirus, Adenovirus, Astrovirus and other Viral Agents of Diarrhoea
6. Evaluation of HIV, HBsAg and HCV Test Kits
7. Defining CD4 Reference Values in Both Children and Adults in Nigeria
8. HIV/AIDS Drug Resistance Testing surveillance
9. Evaluation of Early Infant Diagnosis of HIV Using Dry Blood Spots
10. Hepatitis B Viral Load Estimation
11. Estimation of Hepatitis C Viral Load and Genotyping
12. Evaluation of National HIV Testing Algorithm
13. Isolation and characterization of Viral Haemorrhagic Fever
14. Surveillance of viral agents causing outbreaks
15. Clinical Characteristics of COVID-19 and Its Diagnostics

VIII. RESEARCH GRANTS

a) Completed

1. **Grant Source:** Genedrive Diagnostics Ltd.

Project: Performance evaluation of the Genedrive HCV ID Kit for decentralized diagnosis of active hepatitis C from human plasma

Details: Assessment of the analytical and clinical performance of the Genedrive® HCV ID Kit for the qualitative detection of HCV RNA in human whole-blood derived plasma in antibody positive, treatment naïve patients. Results from this study will be submitted as evidence to the WHO for Pre-Qualification of the Kit.

Period: 2019-2020

Status: On-going

Role: Principal Investigator

2. **Grant Source:** Foundation for Innovative and New Diagnostics

Project: Evaluation study of Rapid Diagnostic Tests (RDTs) detecting antibodies against hepatitis C virus

Details: The evaluation of RDT performance on clinical samples collected in different geographic regions as well as from HIV co-infected individuals, would allow to identify tests with a performance meeting or having the potential to meet WHO quality standards.

Period: 2018-2019

Status: Completed

Role: Principal Investigator

3. **Grant Source:** National Institutes of Health

Project: Multidisciplinary NeuroAIDS Research Training to Improve HIV Outcomes in Nigeria

Details: Risk screening and targeted detection of acute HIV infection in individuals with unsafe sex by applying a rapid assessment-based risk score algorithm, followed by HIV antibody rapid testing and nucleic acid amplification testing of participants.

Period: 2015-2016

Status: Completed

Role: Sub-recipient Principal Investigator

4. **Grant Source:** Institute of International Education

Project: Evaluation of the Compliance of Health Research Ethics Committees in Nigeria with Guidelines and International Ethical Standards

Details: To evaluate the operations of health research ethics committees in Nigeria in compliance with national and international standards

Period: 2015 - 2016

Status: Completed

Role: Principal Investigator

5. **Grant Source:** University of Cambridge, Diagnostics Development Unit
Project: In-country validation of SAMBA Point-of –Care Qualitative and Semi-Quantitative assays for early infant diagnosis and viral load monitoring of HIV-1 infection in Nigeria – Phase 1
Details: To assess the performance, feasibility and operational efficacy of the SAMBA-Q and SAMBA–SQ assays at NIMR and JUTH laboratories in Nigeria.
Period: 2014-2016
Status: Completed
Role: Site Investigator

6. **Grant Source:** United States Center for Disease Control and Prevention (CDC)
Project: HIV Drug Resistance: Implications for Optimizing Antiretroviral Therapy
Details: To evaluate the DRMs among patients failing 1L ART, examine the patterns of adherence associated with the development of DRMs and assess the association between DRMs and subsequent response to 2L ART
Period: 2013 - 2016
Status: Completed
Role: Co-Investigator

7. **Grant Source:** Society for Family Health (SFH)
Project: Global Fund HIV Round 9 Consolidated Grant on External Quality Assurance Programme for HIV Counselling and testing
Details: To conduct an External Quality Assurance to further reassure the quality of testing and provide early warning for systematic problems associated with test kits or service operations at the service delivery points in Nigeria.
Period: 2012-2016
Status: Completed
Role: Principal Investigator

8. **Grant Source:** International Association of National Public Health Institute (IANPHI)
Project: Establishing an External Quality Assessment Programme in Nigeria
Details: To Establish External Quality Assessment Programme for HIV, TB and Malaria in Public and Private Laboratories in Nigeria
Period: 2009-2011
Status: Completed
Role: Principal Investigator

In progress

1. **Grant Source:** Nigerian Institute of Medical Research
Project: Burden of Lassa Fever, Status of Its Management and Prevention in Nigeria
Details: To provide information on the burden and molecular characteristics of Lassa fever virus (LASV) and other agents of Viral Hemorrhagic Fevers responsible for unconfirmed LASV cases in Ondo state.
Period: 2018 – To Date
Status: On-going
Role: Principal Investigator

- 2. Grant Source:** Nigerian Institute of Medical Research
Project: Viral Haemorrhagic Fevers and Their Reservoirs in Nigeria
Details: To characterize major viruses associated with VHFs, provide information on main reservoirs of infection in VHF-prone areas and train a crop of young scientists in support of the National Control Program.
Period: 2019
Status: On-going
Role: Principal Investigator

- 3. Grant Source: NIH Fogarty International Center D43**
Project: Emory-Nigeria HIV Research Training Program
Details: To support training for researchers interested in building a career in HIV/women's health research.
Period: 2019
Status: On-going
Role: Project Director (NIMR)

- 4. Grant Source: African CDC/NCDC/UCL/NIMR**
Project: Population-based Seroepidemiological and Household Contact Study of COVID-19 Virus Infection in Nigeria
Details: To measure the seroprevalence of antibodies to COVID-19 in the population of selected states in Nigeria by sex and age group.
Period: 2020
Status: On-going
Role: Principal Investigator

C. Dissertation and Thesis

1. Bacterial Quality of Frozen, Semi-Frozen and Smoked Seafish From Retail Outlets in Zaria, 1989.
2. Potency and Efficacy of Trivalent Oral Poliovirus Vaccines (OPV) in Nigeria: A Case Study of Some EPI Centres in Lagos State, 1992.
3. Isolation and Molecular Typing of Some Viral Agents of Diarrhoea in Children Under 5 Years in Lagos, Nigeria, 2000.

PUBLICATIONS

a. Articles in peer reviewed journals

1. Esumeh FI, **Audu RA**, Odugbemi TO, et. al. (1991): Faecal Contamination Level, Survival of Salmonella Typhi and PH Changes in "Garri" and its Potential Public Health Hazard in Lagos. Niger. Med. J. 21(344): 86-89.
2. Ogbadu LI and **Okolo RA**. (1993): Bacteriological Quality of Frozen, Semi-Frozen and Smoked Seafish From Retail Outlets in Zaria. Bioscience Research Communications 5(1): 65-69.
3. **AUDU RA**, Omilabu A, Grange A, Abdulsalam N and Salami MYI. (1996): Seroepidemiology of Polioviruses and Efficacy of Oral Poliovirus Immunization in Lagos Nigeria. Nig. Quart. J. Hosp. Med. 6(4): 275-278.
4. Afolabi BM, Mafe AG, **Audu RA**, et al. (1997): Coastal Malaria and Nutritional Status of Children 0 - 6 Years Old in Lagos, Nigeria. The Nig. J. Med. Res. 1 (2): 28 - 31.
5. Afolabi BM, Sodeinde O and **Audu RA**. (1997): Malaria in Early Infancy on the Atlantic Coast of Lagos, Nigeria. The Nig. J. Med. Res. 1(2):32 - 36.
6. Adeiga A, **Audu RA**. (1996): Detection of Rabies Virus in the Saliva of Apparently Healthy Dogs in Lagos, Nigeria. Biomedical Letters. 54: 207-212.
7. Alabi SA, **Audu RA**, Oyedeji KS, Mafe AG and Uhuangho JE. (1998): Viral, Bacterial and Parasitic Agents Associated With Infantile Diarrhoea in Lagos, Nigeria. The Nig. J. Med. Res. 2(1 & 2): 29 - 32.
8. Omilabu SA, Oyefolu AO, **Audu RA**, Ojo OO and Badaru SO. (1998): Potency Studies of Live-Attenuated Viral Vaccines Administered in Lagos Metropolis, Nigeria J. Nig. Infect. Control Assoc. 1(1): 27 - 33.
9. Oyefolu AO, Omilabu SA, Amure OF, Adeniyi AS, **Audu RA**, Fadojutimi JA, Akinyemi KO and Ashiru O. (1998): Potency Status of Trivalent Oral Polio Vaccines (TOPV) Administered in Lagos, Nigeria. Nig. Quart. J. Hosp. Med. 8(1): 14 - 17.
10. Adeiga AA, Akinosho RO, **Audu RA** and Onyewuche J. (1999): Estimation of Measles Sero-Conversion in Children Vaccinated Against Measles in Edo State of Nigeria. Nig. Quart. J. Hosp. Med. 9(2): 169-171.
11. Omilabu SA, Oyefolu AO, Ojo OO and **Audu RA**. (1999): Potency Status and Efficacy of Measles Vaccine Administered in Nigeria: A Case Study of Three EPI Centres in Lagos, Nigeria. Afr. J. Med. Med. Sci. Sep-Dec; 28 (3-4): 209 – 212.
12. **Audu RA**, Omilabu SA, Renner JK and Awodiji JA. (2000): Risk Factors, Clinical Features and Management of Children with Diarrhoea in Lagos. J. Nig. Infect. Con. Assoc. 3(1): 24-29.
13. Idika N, **Audu RA**, Oyedeji KS, Iyanda R and Egbom CA. (2000): Investigation of Different Water Sources as a Possible Cause of Cholera Outbreak in Lagos in 1997. J. Nig. Infect. Con. Assoc. 3 (2):6-8.
14. Adeiga, A, Akinosho RO, **Audu RA** and Onyewuche. (2000): Status of Tetanus Antibodies in the Newborns of Immunized Mothers. J. Med & Medical Sci. July-Dec, Vol. 2(2): 125-128.
15. **Audu RA**, Omilabu SA and Onile BA (2001): The Prevalence of Rotavirus, Adenovirus and Astrovirus in Children with Diarrhoea in Ilorin Kwara State, Nigeria. Afr. J. Clin. Exp. Micro. 2(2): 20-22.
16. **Audu R**, Omilabu SA, De Beer M, Peenze I and Steele AD (2002): Diversity of

- Human Rotavirus VP6, VP7, and VP4 in Lagos State, Nigeria. *J. Health Popul. Nutr.* 20:59-64.
17. Afolabi BM, **Audu RA**, Olukosi A (2002): Nutritional Status of Preschool Children in Rural Coastal Nigeria. *Journal of Malaria in Africa & The Tropics.* 1(1):36-38.
 18. **Audu RA**, Omilabu SA, Peenze I and Steele D. (2002): Viral Diarrhoea in Young Children in Two Districts in Nigeria. *The Cent Afr J Med.* 48(5/6): 59-63.
 19. **Audu RA**, Omilabu Aremu S, Peenze Ina, Steele Duncan A. (2002): Isolation and Identification of Adenovirus Recovered From the Stool of Children With Diarrhoea in Lagos, Nigeria. *Afr.J.Health Sci.* 9: 105-111.
 20. Salu OB, **Audu RA**, Geyer A, Steele AD and Oyefolu AOB (2003): Molecular Epidemiology of Rotaviruses in Nigeria: Detection of Unusual Strains With G2P[6] and G8P[1] Specificities. *J. Clin. Micro.* 41(2): 913-914.
 21. Ebuehi, OAT, Balogun, MO, **Audu RA**, Idigbe, EO (2004): Osmotic Fragility and Na⁺ - K⁺ ATPase Activity of Erythrocytes of HIV/AIDS Patient. *Afr. J. Clin & Exp. Micro.* 5(2): 148-154.
 22. Ebuehi, OAT, Balogun, MO, **Audu RA**, Idigbe, EO (2004): Blood Chemistry and Platelet Serotonin Uptake As Alternative Method Tracking HIV/AIDS. *Afr. J. Clin & Exp. Micro.* 5(2): 155-159.
 23. **Audu RA**, Akanmu AS, Efiemokwu C, Musa AZ, Lemoha E, Odunaike MI, Funso-Adebayo EO, Meshack E and Idigbe EO (2004): Changes in Serum Proteins and Creatinine Levels in HIV Infected Nigerians. *Nigerian Journal of Health and Biomedical Sciences.* 3(2): 69-72.
 24. **Audu RA**, Akanmu AS, Efiemokwu C, Dele AZ, Lemoha E, Odunaike MI, Aniedobe M and Idigbe EO (2004): Impact of Tuberculosis Co-Infection on the Level of PCV in HIV Infected Patients. *Nig. Quart. Hosp. Med.* 14(2): 115- 117.
 25. Ebuehi, OAT, Balogun, MO, **Audu RA**, Idigbe, EO (2004): Osmotic Fragility and Na⁺ - K⁺ ATPase Activity of Erythrocytes of HIV/AIDS Patient. *Afr. J. Clin & Exp. Micro.* 5(2): 148-154.
 26. Adeiga A, Akinosho RO, **Audu RA**, Onyewuche J and Oyewole O (2004): Placental Transfer of Measles Antibodies in Nigerian Mothers. *Br. J. Biomed. Sci.* 61(1): 37-39.
 27. **Audu RA**, Onwujekwe DI, Onubogu CC, Adedoyin JA, Onyejebu N. Mafe AG, Onyewuche J, Oparaugo C, Enwuru C, Aniedobe M, Musa AZ and Idigbe EO. (2005): Possible Impact of Co-Infections of Tuberculosis and Malaria on the CD4⁺ Cell Counts of HIV Patients in Nigeria. *Annals of African Medicine.* Vol 4(1): 10-13.
 28. Adeiga A, Omilabu SA, **Audu RA**, Sanni F, Lakehinde GP, Balogun O and Olagbaju O (2005): Tetanus Toxoid Immunization Coverage among Mothers of Children Below One Year of Age in Difficult-To-Reach Area of Lagos Metropolis. *Afr. J. Clin & Exp. Micro.* 6(2): 233-237.
 29. Adeiga A, Omilabu SA, **Audu RA**, Sanni F, Lakehinde GP, Balogun O and Olagbaju O (2005): Infant Immunization Coverage in Difficult-To-Reach Area of Lagos Metropolis. *Afr. J. Clin & Exp. Micro.* 6(2): 227-231.
 30. Idigbe EO, Adewole T, Kanki P, Eisien G, Odunukwe DI, **Audu RA**, Araoyinbo I, Salu OB, Adedoyin JA and Musa AZ (2005): Management of HIV-1 Infection with a Combination of Nevirapine, Stavudine, Lamivudine: A Preliminary Report on the Nigerian ARV Program. *J. Acquir. Immune Defic. Syndr* 40(1):65-69.
 31. Ebuehi OAT, Balogun M, Ebuehi OM, **Audu RA** and Idigbe EO (2005): Urinary

- Creatinine Levels in HIV/AIDS Disease. *European Journal of Scientific Research* 10 (1): 60-65.
32. Odunukwe N, Idigbe O, Kanki P, Adewole T, Onwujekwe D, **Audu R** and Onyewuche J (2005): Haematological and Biochemical Response to Treatment of HIV-1 Infection with a Combination of Nevirapine + Stavudine + Lamivudine in Lagos Nigeria. *Turk. J. Haematol.* 22(3): 125-131.
 33. Idigbe EO, **Audu RA**, Salu OB, Onyewuche JI, Oparaugo CT, Musa AZ, Meshak EH and Sylvester-Ikundu UF (2006): Profile of Baseline CD4 T-Lymphocyte and Viral Load Levels in HIV Infected Treatment Naïve Patients in Lagos, Nigeria. *Saudi Medical Journal* 27 (5):733 -735.
 34. Idigbe EO, Odutolu O, Okonkwo P, Folayan MO, Uwakwe CBR, **Audu RA**, Jolayemi OM and Osagbemi M. (2006). Evaluation of The Nigerian National Antiretroviral (ARV) Treatment Training Programme. *Sahara Journal*, 3(3): 488-502.
 35. Idigbe EO, **Audu RA**, Oparaugo CT, Onwujekwe D, Onubogu CC, Adedoyin J, Mafe AG, Okoye R, Onyewuche JI, Funso-Adebayo EO and Meshack E. (2006). Comparison of Dynabeads and Capcellia Methods with Facscount for the Estimation of CD4 T Lymphocyte Levels in HIV/AIDS Patients in Lagos, Nigeria. *East Afr. Med. J.* 83(4): 105-111.
 36. **Audu RA**, Salu OB, Musa AZ, Onyewuche J, Funso-Adebayo EO, Iroha EO, Ezeaka VC, Adetifa IMO, Okoeguale B and Idigbe EO. (2006): Estimation of the Rate of Mother-To-Child Transmission of HIV in Nigeria. *Afr. J. Med. Med. Sci.* 35 (2): 121 – 124.
 37. Oyefolu AOB, Nwaeke AC, **Audu RA**, Akinyemi KO, Salu OB, Muller CP and Omilabu SA. (2007) Evaluation of Measles Vaccine Cold Chain in Lagos State, Nigeria. *Afr. J. Clin & Exp. Micro.* 8 (1): 1 - 7.
 38. **Audu RA**, Idigbe EO, Akanmu AS, Mafe AG, Onyewuche J, Oparaugo CT, Dele AZ, Salu OB, Lemoha E and Odunaike M. (2007). Values of CD4+ T Lymphocyte in Apparently Healthy Individuals in Lagos, Nigeria. *European Journal of Scientific Research* 16 (2): 168 - 173.
 39. Oladepo DK, Idigbe EO, **Audu RA**, Inyang US, Imade GE, Philip AO, Okafor GO, Olaleye D, Mohammed SB, Odunukwe NN, Harry TO, Edyong-Ekpa M, Idoko J, Musa AZ, Adedeji A, Nasidi A, Ya'aba Y and Ibrahim K. (2009): Establishment of Reference Values of CD4 and CD8 Lymphocyte Subsets in Healthy Nigerian Adults. *Clinical and Vaccine Immunology*, 16(9): 1374-1377.
 40. Idigbe EO, **Audu RA**, Iroha EO, Akinsulie AO, Temiye EO, Ezeaka VC, Adetifa IMO, Musa AZ, Onyewuche J and Ikundu SU (2010): T-Lymphocyte Subsets in Apparently Healthy Nigerian Children. *International Journal of Pediatrics Vol 2010*, Article ID 474380.
 41. Ezechi Oliver C; Jogo Andrea; Gab-Okafor Chidinma; Onwujekwe Dan I; Ezeobi Paschal M; Gbajabiamila Titi; Adu Rosemary A; **Audu Rosemary A**; Musa Adesola Z; Salu Olumuyiwa B; Meschack Emily; Herbertson Ebiere; Odunukwe Nkiru; Idigbe Oni E (2010): Effect of HIV-1 Infection and Increasing Immunosuppression on Menstrual Function. *The J. of Obstetrics and Gynaecology Research* ;36(5):1053-8.
 42. Afe AJ, Adewumbi N, Emokpae A, Fagoralad T, Disub AE, Abidoyeb G, Ganikalee I and **Audu R.** (2011): Outcome of PMTCT Services and Factors Affecting Vertical Transmission of HIV Infection in Lagos, Nigeria. *HIV & AIDS*

43. Okwuraiwe AP, Salu OB, Onwuamah CK, Amoo OS, Odunukwe NN and **Audu RA**. (2011): Experience with Hepatitis B Viral Load Testing in Nigeria. *Afr. J. Clin & Exp. Micro. Afr. J. Clin & Exp. Micro.* 12 (3): 101 – 105.
44. Butali A, Mossey PA, Adeyemo WL, Jezewski P, Onwuamah CK, Omobolanle O, Ugboko VO, Adejuyigbe O, Adigun IA, Abdur-Rahman LO, Onah I, **Audu R**, Idigbe E, Mansilla MA, Ecaterina D, Petrin AL, Bullard SA, Uduezue A, Akpata O, Osaguona A, Olasoji OH, Ligali L, Kejeh B, Iseh K, Olaitan P, Adebola A, Efunkoya A, Adesina A, Oluwatosin O and Murray JC (2011): The Nigeria CRAN Collaboration. Genetic Studies in The Nigerian Population Implicate a *msx1* Mutation in Complex Oral Facial Clefing Disorders. *Cleft Palate Craniofac J.* 48(6): 646–653. doi:10.1597/10-133.
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c. Gene Submission

1. Onwuamah CK, Okpokwu J., Chebu P., **Audu R.A.**, Imade G., Samuels J., Odaibo G., Olaleye D., Okonkwo P., Kanki P.J., Idigbe E.O. HIV Drug Resistance: Implications for optimizing antiretroviral therapy (U2G GH000770): Group B Sequences (N=57). Submission: Bankit1960888 (Accession Numbers: MF684375 – MF684431); Submitted 17-AUG-2017.
2. Onwuamah CK, Okpokwu J., **Audu R.A.**, Imade G., Idigbe E.O. HIV Drug Resistance: Implications for optimizing antiretroviral therapy (U2G GH000770): Assay Validation Sequences (N=174). Submission: Bankit2041150 (Accession Numbers: MF684461 – MF684634); Submitted 17-AUG-2017.
3. Onwuamah CK, Olaleye D., **Audu R.A.**, Samuels J., Imade G., Odaibo G., Okpokwu J., Muazu M. and Idigbe E.O. HIV Drug Resistance: Implications for optimizing antiretroviral Therapy: Group A S1 Sequences (N=316). Submission: Bankit2042401 (Accession Numbers: MF754920 – MF755235); Submitted 23-AUG-2017.
4. Salako, B.L., **Audu, R.A.**, Sunday, O.A., Okwuraiwe, A., Amao, O., Shaibu, J.O., Onwuamah, C., James, A., Ajibaye, O., Iwalokun, B., Salu, O., Orenolu, R., Anyanwu, R., Obaleye, O., Ige, F., Faleye, T., Abiodun, M., Oni, G. and Olohungbebe, M.: Partial Genomic Sequence and Phylogenetic Analysis of SARS-COV-2 Isolated from an Index Case of Coronavirus Disease 2020 in Nigeria2. (Accession Number: MT159778).

IX. MAJOR CONFERENCES ATTENDED (IN THE LAST 5 YEARS)

a. National conferences attended

1. 7th Annual NIMR Scientific Conference, on Health Research in Nigeria: NIMR, 8th - 10th November, 2016 (**Conference Chair, Presented a talk on Abstract Writing at the Young and Early Scientist Club**)
2. Maiden Conference of SLMTAns in Nigeria, Abuja. November 21st – 22nd, 2016
3. 2017 Conference of SLMTAns in Nigeria, Abuja. 20th -21st November 2017. (**Presented a paper on Accredited SLMTA Laboratories - The journey so far [NIMR]**)
4. Nigeria Center for Disease Control Lassa Fever Conference: 16th - 17th January, 2019

b. International conferences attended

1. 3rd African Society for Laboratory Medicine (ASLM) Conference, South Africa. 27 November - 5 December, 2016. (**Presented abstracts: (1) A 10-year trend of HIV types among HIV-positive patients in a reference laboratory; (2) Comparison of Sequencing Success Rates of Viroseq and ATCC HIV-1 Drug Resistance Test Kits**)
2. 4th NIMR International Scientific Conference, Lagos. 7-9 November, 2017. (**Pre-conference speaker on: Research Ethics in Health Sciences; Developing and Organizing Your Ideas and Research; How To Write a Scientific Paper – A General Guide**)
3. 19th International Conference on AIDS and STI's in Africa (ICASA) Abidjan, Cote d'Ivoire - 4 - 9 December 2017.
4. 5th NIMR International Scientific Conference, Lagos. 12th – 16th November, 2018. (**Presented Distinguished Lecturer Titled – “Viruses: Friends of Foes? The Journey to Subdue”**)
5. 4th African Society for Laboratory Medicine (ASLM) Conference, Abuja. 10th – 13th December, 2018.
6. 6th NIMR International Scientific Conference, Lagos. 12th – 14th November 2019.
7. 7th NIMR International Scientific Conference, Lagos. 17th – 18th November 2020.