

CURRICULUM VITAE

I. NAME: NEJO, Yewande Tolulope (Nee Ademola)

DEPARTMENT: Virology

FACULTY: Basic Medical Sciences

FIRST ACADEMIC APPOINTMENT: 26th January, 2023

PRESENT POST WITH DATE: Lecturer I (1st January, 2022)

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POSTAL ADDRESS: Department of Virology, Faculty of Basic Medical Sciences, College of Medicine, University College Hospital, University of Ibadan, Ibadan, Oyo State, Nigeria.

II. UNIVERSITY EDUCATION

University of Ibadan, Ibadan, Oyo State

DATE (DEGREE)

2010 – 2019 (Ph.D. Virology)

University of Ibadan, Ibadan, Oyo State

2005 – 2007 (M.Sc. Virology)

University of Ilorin, Ilorin, Kwara State

2000 – 2003 (B.Sc. Microbiology)

III. ACADEMIC QUALIFICATIONS

Ph.D. Virology

DATE (Granting Bodies)

2019 (University of Ibadan)

M.Sc. Virology (Ph. D. Grade)

2007 (University of Ibadan)

B.Sc. Microbiology (Second Class-Upper Division)

2003 (University of Ilorin)

SSCE O' level

1999 (WAEC)

IV. PROFESSIONAL QUALIFICATIONS

DATE

Certificate in Immunology

2005

Certificate in West African Bioethics-CITI, University of Miami, USA

2013

V. DETAILS OF TEACHING/WORKING EXPERIENCE:

(a) Undergraduate Courses

- VIR 401 - General Virology
- VIR 501 - Virus Family
- VIR 502 - Diagnostic Techniques in Virology
- VIR 503 - Virus Isolation and Characterisation
- VIR 505 - Epidemiology, Prevention and Control of Viral Diseases

(b) Postgraduate Courses

- VIR 701 - General Virology including Viral immunology and Viral entomology
- VIR 702 - Epidemiology, Pathogenesis and Pathology of Virus Families
- VIR 704 - Diagnostic Virology
- VIR 705 - Research Techniques and Current Topics in Virology (Seminar)
- VIR 706 - Tissue culture and tissue culture techniques
- VIR 707 - Viral Chemotherapy and Oncology
- VIR 708 - Project
- VIR 709 - Molecular Virology

VI. SUPERVISION

CURRENT STUDENTS

Masters Level: 2

Doctoral Level: 1

VII. DETAILS OF ADMINISTRATIVE EXPERIENCE

- Postgraduate Coordinator
- Member, Departmental Postgraduate Committee
- Member, FBMS Postgraduate Committee

VIII. PREVIOUS EMPLOYMENT (With Date): Bowen University, Iwo, Nigeria [Assistant Lecturer (1st September, 2008) – Lecturer I (1st January, 2022)]

IX. LABORATORY EXPERIENCE

✓ Serology

- ❖ Serological diagnosis of viral infections such as HIV, HBV, HCV etc. by antigen and antibody detection e.g. ELISA based screening.
- ❖ Western Blot (Immunoblot) for confirmation of ELISA reactive samples e.g. HIV
- ❖ Haemagglutination assay technique for diagnosis of viral infections e.g. Influenza virus.

✓ Cell Culture

- ❖ Tissue Culture technique and viral isolation in tissue culture for poliovirus and influenza viruses.

- ❖ Neutralization tests for antibody detection.
- ✓ **Cytometry**
 - ❖ CD4⁺/CD8⁺ Cell Count Assay using the Partec CyFlow (German) system.
- ✓ **Molecular Virology**
 - ❖ DNA/RNA Extraction technique for HIV 1&2, HBV, HPV etc.
 - ❖ PCR and RT-PCR (viral load) for DNA and RNA viral assay
 - ❖ DNA PCR for diagnosis of Paediatric HIV infection
 - ❖ Gel Electrophoresis for DNA detection.
 - ❖ Sanger Sequencing

X. RESEARCH INTERESTS

(i) Completed Research:

- Molecular Characterisation of Genital Human Papillomavirus among Women in Southwestern, Nigeria
- CD4⁺ Cell Counts and Prevalence of HIV among patients with Tuberculosis at the University College Hospital, Ibadan.
- Detection of some viruses associated with upper respiratory tract infections among Children in Ibadan, Nigeria
- Human T Cell Lymphotropic virus infection among sexually active individuals in Nigeria
- Hepatitis B virus infection among sexually active individuals in Nigeria: a cross-sectional study

(ii) Ongoing Research:

- Prevalence of Hepatitis B virus markers among pregnant women and their community birth attendants in Ibadan, Nigeria
- Detection of viruses circulating among bats (*Eidolon helvum*) in Bowen University, Iwo, Nigeria (Funded by Bowen Research Grant, 2019/2020)
- Seroprevalence of Immunoglobulin M and G antibodies to severe acute respiratory syndrome coronavirus 2 in Iwo, Nigeria (Funded by Bowen Research Grant, 2020/2021)

XI. PUBLICATIONS

- i. Nejo, Y.**, Faneye, A. O., Olusola, B., Bakarey, S., Olayinka, A., Motayo, B., PERVI Study Group (2018). Hepatitis B virus infection among sexually active individuals in Nigeria: a cross-sectional study. *The Pan African medical journal*, **30**, **155**. doi:10.11604/pamj.2018.30.155.14886
- ii. Nejo, Y. T.**, Olaleye, D. O. and Odaibo, G. N. (2018). Prevalence and Risk Factors for Genital Human Papillomavirus Infections Among Women in Southwest Nigeria. *Archives of basic and applied medicine*, **6(1)**, **105-112**
- iii. Oluranti, O. O.**, Ubanagu, C. I., Oluwasemowo, O. O., Akinola, O. T., **Nejo, Y. T.** and Motayo, B. O. Prevalence and Antibiotic Resistance Profile of *Pseudomonas aeruginosa* from Hospital Sinks in South Western Nigeria. *Journal of Advances in Medicine and Medical Research* **29(2): 1-7, 2019; Article no. JAMMR.47974 ISSN: 2456-8899**
- iv. Babatunde Olusola**, Adedayo Faneye, **Yewande Nejo**, Adewale Opayele, Solomon Bakarey. Human T Cell Lymphotropic virus infection among sexually active individuals in Nigeria: a cross sectional study. *Scientific African Journal* **3 (2019)** <https://doi.org/10.1016/j.sciaf.2019.e00072>
- v. Nejo, Y. T.**, Olaleye, D. O. and Odaibo, G. N. (2019). Molecular characterisation of genital human papillomavirus among women in Southwestern, Nigeria. *PloS one*, **14(11)**, **e0224748**. doi:10.1371/journal.pone.0224748
- vi. Ogunbode T. O.**, **Nejo Y. T.**, Kehinde O. J. (2021). COVID-19 Pandemic/Lockdown and its Impact on Sustainable Access to Safe Water in the Developing World: A Case Study. *EUR J BASIC MED SCI*. 2021; 11(1):8-17. <https://doi.org/10.21601/ejbms/9661>
- vii. Dahunsi, S. O.**, Ogunwole, J. O., Owoseni, A. A., Olutona, G. O., **Nejo, Y. T.**, Atobatele O. E. (2021) Valorization of pineapple peel and poultry manure for clean energy generation. *Food and Energy Security*: 05 May 2021 <https://doi.org/10.1002/fes3.228>
- viii. Oluwasemowo, O. O.**, **Nejo, Y. T.**, Abokede, J. O., Lawson, M., Motayo, B. O. (2021). Genotypes of rhinovirus detected among children in two communities of South-West Nigeria. *Virus Genes*. Jun; 57(3):276-279. DOI: 10.1007/s11262-021-01841-0. PMID: 33988838
- ix. Owoseni A. A.**, Adigun T. O., Asogbon, O. H., Atobatele, B. O., Adeleke O. A. and **Nejo, Y. T** (2023). Presence of Antibiotic Resistance Genes in Bacteria Isolated from Raw Cow Milk obtained from Bowen University Dairy Farm. *IOP Conf. Ser.: Earth Environ. Sci.* 1219 012004

- x. Owoseni A. A., Adeleke O. A. and Nejo, Y. T (2023). Efficacy of water extracts of mushrooms on multidrug-resistant bacteria isolated from raw cow milk. *IOP Conf. Ser.: Earth Environ. Sci.* 1219 012004

XII. TRAINING PROGRAMMES/WORKSHOPS ATTENDED

- Genetic Analyzer (3500xL) SmartStart Orientation Training [**5th October, 2023**]
- Virtual participation in International Viral Hepatitis Elimination Meeting (IVHEM) 2022 Amsterdam, the Netherlands [**2nd – 3rd November, 2022**]
- Virtual course on STRIPE HIV_AFRICA; Strengthening Interprofessional Education for HIV and COVID-19 organised by AFREhealth in partnership with the University of California, San Francisco [**October, 2022**]
- Workshop on Computer-Aided Drug Design and Vaccine Development for Infectious Diseases [**1st – 3rd June, 2021**] Bowen University, Iwo, Osun State
- Virtual course on WGS workflow – **from isolate to analysis** organised by Consortium of SEQAFRICA [**22nd - 29th April, 2021**]
- Virtual course on Introduction to Whole Genome Sequencing in AMR Surveillance, organised by Consortium of SEQAFRICA [**15th -26th March, 2021**]
- Viral Genomics and Sequence Analysis Short Course, organised by University of Ibadan Medical Education Partnership Initiative for Junior Faculty (UI-MEPI-J) and Harvard School of Public Health [**30th July - 3rd August, 2018**]
- Data Analysis and Manuscript writing, organised by University of Ibadan Medical Education Partnership Initiative for Junior Faculty (UI-MEPI-J) [**25th - 29th July, 2016**]
- Research Design and Methodology, organised by Medical Education Partnership Initiative in Nigeria (MEPIN) [**23rd and 24th July, 2014**]
- Procedures concerning installation, instrument and software operation, troubleshooting and application support of Partec Cyflow® Counter flow cytometers [**14th - 15th June, 2006**]

XIII. MAJOR CONFERENCES ATTENDED:

- (i) 8th Unibadan Conference of Biomedical Research (UCBR-8): Global Trends in Translational Biomedical Research [**11th - 15th September, 2023**]
- (ii) Bowen Bat Conference 2023: Bat Genomics, Tinyml for Bat Monitoring, Bat survey and Acoustics [**4th – 6th July, 2023**] Bowen University, Iwo, Osun State

- (iii) International Conference on Sustainable Dairy Production: Harnessing Recent Advances Towards Improved Dairy Production. Bowen University, Iwo, Osun State [28th November – 1st December, 2022]
- (iv) SWANG 2020 Virtual Conference on COVID-19: Geographers and Post COVID-19 [29th - 30th June, 2020]
- (v) 6th Unibadan Conference of Biomedical Research (UCBR-6): Biomedical Sciences for Sustainable Health [10th - 14th July, 2018]
- a. **Poster Presentation:** Prevalence and Risk Factors for Genital Human Papillomavirus Infection among women in Southwest Nigeria.
- b. **Oral Presentation:** Molecular Characterisation of Genital Human Papillomavirus Infection among women in Southwestern Nigeria
- (vi) Keystone Symposia (Banff, Alberta, Canada): Emerging Technologies in Vaccine Discovery and Development [28th January - 1st February, 2018]
- a. **Poster Presentation:** Prevalence and Risk Factors for Genital Human Papillomavirus Infection among women in Southwest Nigeria.
- (vii) 5th Unibadan Conference of Biomedical Research (UCBR-5) [13th - 15th July, 2016]

XIV. MEMBERSHIP OF LEARNED SOCIETIES

- American Society for Microbiology (ASM)
- Nigerian Bioinformatics and Genomics Network (NBGN)
- African Virologists Network (AVN)

XV. EXTRA CURRICULAR ACTIVITIES

- Music
- Games
- Teaching
- Reading

Signed: NEJO, Y. T.

Date: 18th April, 2024