

Baba, Marycelin

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Date of birth: 28 December 1960

Sex: Female

Nationality: Nigerian

EDUCATION

SCHOOL/UNIVERSITIES ATTENDED (WITH DATES) /DEGREE, DIPLOMA OR CERTIFICATE AWARDED

1996- 6 th Sept. 2005	University of Ibadan, Ibadan, Nigeria/ PHD Virology/Microbiology
1998- 2 nd Oct. 1999	University of Maiduguri/ Masters degree in Health Planning and Management (MHPM)
1996 (July- September)	University of Maiduguri/Certificate Health Planning and Management (HPM)
1990-31 st Jan. 1992	University of Ibadan, Ibadan, Nigeria/ M.Sc. Medical Virology
1985- 2 nd Oct. 1986	School of Medical Laboratory Technology, National Veterinary Research Institute, Vom-Jos, Nigeria/ Diploma in Medical Virology
1979-22 nd June 1982	Ahmadu Bello University, Zaria, Nigeria/ B.Sc. Microbiology
1978- June 1979	School of Basic Studies, Ahmadu Bello University, Zaria (Diploma in Basic Science)
1973-June 1978	Immaculate Conception Secondary School, Itak, Nigeria (West African School Certificate).

DETAILS OF APPOINTMENT/ EMPLOYERS (WITH DATES)

2009-Todate	Professor: Department of Medical Laboratory Science, College of Medical Sciences, University of Maiduguri, Maiduguri, Nigeria
2006-2009	Reader: Department of Medical Laboratory Science, College of Medical Sciences, University of Maiduguri, Maiduguri, Nigeria
1999 - 2006	SENIOR Lecturer / Department of Medical Microbiology, College of Medical Sciences, University of Maiduguri, Maiduguri, Nigeria
1996 -1999	Lecturer Grade I / Department of Immunology, College of Medical Sciences, University of Maiduguri, Maiduguri, Nigeria
1993-Todate	Honorary Technologist on Call / University of Maiduguri Teaching Hospital Maiduguri, Nigeria
1992 – 1996	Lecturer Grade II / Department of Immunology, College of Medical Sciences, University of Maiduguri, Maiduguri, Nigeria
1989 -1992	Technologist Grade I / Department of Veterinary Microbiology and Parasitology University of Maiduguri, Maiduguri, Nigeria.
1987 – 1989	Technologist Grade II / Department of Veterinary Microbiology and Parasitology University of Maiduguri, Maiduguri, Nigeria.
1983 – 1986	Research Officer Grade II / National Veterinary Research Institute, Vom-Jos, Nigeria
1982 -1983	Tutor Grade I (NYSC) / School of Health Technology, Maiduguri, Borno State Nigeria

MEMBERSHIP OF LEARNED SOCIETIES

1986-todate	Member, Medical Laboratory Science Council of Nigeria
1992- to date	Member, Nigerian society of Immunology (1992 to date)
1992- to date	Member, Nigerian society of Microbiology (1992 to date)
1993- to date	Member, African Virology Group (1993 to date).
1993 to 2003	Member and Coordinator, Society for Women and AIDS in Africa (Nigeria Chapter, Borno state branch (1993 to 2003)
1997 to date	Member and Secretary, Women in Nigeria (WIN), Borno state branch

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- 1999 to date Member, Organization for Women in Science in Developing countries (OWSD)
2014 to date Member, American Society of Tropical Medicine and Hygiene
2014 to date American Committee on Arthropod-Borne Viruses (ACAV)

CONTINUING EDUCATION (WITH DATES)

- 13 Jan. -13 Feb. 2016: Laboratory diagnostic techniques for the control of vaccine preventable diseases including Poliomyelitis and Measles. Sponsored by JICA
- 22-27 June 2009: Certificate for successful participation of the practical course on "Bioinformatics: Computer methods in Molecular Biology" at International Centre for Genetic Engineering and Biotechnology, Trieste, Italy, 22-27 June 2009
- 02 to 15 May 2006: Certificate for successful completion of Advanced vaccinology course by Foundation Merieux, Annecy, France in partnership with University of Geneva
- 2002/2003 session: Certificate of completion of Alliance Francais in Dakar
13-18 June 2005: Certificate of completion of the WHO course- Surveillance strengthening Training of Trainers in Abuja
- 24-28 April 2006: Certificate of participation in WHO training- Serological diagnosis of measles infection in Yusuf Dantsoho Memorial Hospital, Kaduna
- 26 July 2006: Certificates for attending a tour of the Polio Laboratory and observed a demonstration of pipette calibration at National Institute for Communicable diseases (NICD), South Africa
- 1999 Training Workshop (Three weeks) on the Laboratory diagnosis and monitoring of Yellow fever, Measles and Polio, Nogushi Memorial Medical Research Institute, University of Ghana, Legon, Ghana, sponsored by WHO/JICA (1999)
- 2001 Diploma in Computer Programme Applications
- 1996 Certificate Course in Health Planning Management, University of Maiduguri, Maiduguri, Nigeria.

MEMBERSHIP OF EDITORIAL COMMITTEE

- 2004 to 2012 Member, Association of Medical Laboratory Scientists of Nigeria Electoral Committee
- 2006-2012 Member, Editorial Board, Nigerian Bulletin of Epidemiology, Federal Ministry of Health, Nigeria
- 2004 -2012 Member Editorial Board of Journal of Life and Environmental Sciences

UNIVERSITY COMMITTEES

- 2004-to date Member, University of Maiduguri, Senate
- 2004-to date Member, College Academic Board, College of Medical Sciences, University of Maiduguri
- 2004- to date Member, College Board of studies, College of Medical Sciences, University of Maiduguri
- 2004- to date Member, College Board of Examiners, College of Medical Sciences, University of Maiduguri
- 2004- to date Member, College Board of Postgraduate studies, College of Medical Sciences, University of Maiduguri
- 2004- to date Member, College Committee on Curriculum, College of Medical Sciences, University of Maiduguri
- 2004- to date Member, Research committee, College of Medical Sciences, University of Maiduguri
- 2008 Member, Committee of Enquiry to Investigate the allegation of threat/sexual harassment, University of Maiduguri
- 2008 Member, Committee for the Establishment of Faculties in the College of Medical
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Sciences, University of Maiduguri

2004- to date Member of Editorial Board, Journal of Life and Environment , University of Maiduguri Teaching hospital

ADMINISTRATIVE EXPERIENCE:

2004-2012 Pioneer Head of the Department of Medical Laboratory Science, College of Medical Science, University of Maiduguri, Nigeria

1999-2006 Technical Supervisor, WHO National Polio /ITD Laboratory, University of Maiduguri Teaching Hospital, Maiduguri, Nigeria

2006- to date Director, WHO National Polio/ITD Laboratory, University of Maiduguri Teaching Hospital, Maiduguri, Nigeria

NATIONAL ASSIGNMENTS

2020-2021 Coordinator of Covid 19 Laboratory, UMTH , Borno State

2021 Appointed as Vice Chairman of National HIV Laboratory Task Team

2009- to date Appointed to participate in the accreditation of Nigerian Universities under the National University Commission

2008- to date Appointed to participate in the accreditation of Institutions offering Medical Laboratory Science in Nigeria

2009 to date Appointed as an External Examiner in Nigerian Universities

2008- to date Serve as External Assessor of Medical Laboratory Science Council of Nigeria professional examinations

2009-2012 Appointed to serve in the governing Board of Medical Laboratory Science Council of Nigeria

2008- to date Appointed to serve as a member of Expert Review Committee on Polio Eradication Program in Nigeria

2005 to 2007 Appointed to serve as a member of Expert Committee on Pandemic Influenza, Federal Ministry of Health

2007- 2012 Appointed as a member of Stakeholders' Forum on Lassa Fever, Federal Ministry of Health

2008 Appointed as a member Consultant (Virology) with Federal Ministry of Health on Central Quality Control and Re-testing of HIV sentinel Survey samples

2004 to 2012 Became an Association Member of Medical Laboratory Scientists of Nigeria Electoral Committee

2006-2012 Member, Editorial Board, Nigerian Bulletin of Epidemiology, Federal Ministry of Health, Nigeria

1993- to date Appointed as an Honorary Medical Laboratory Scientist in University of Maiduguri Teaching Hospital

1995-2000 Appointed as a Project Manager of Laboratory Revolving Fund Committee in University of Maiduguri Teaching Hospital.

2010 Appointed by Federal Government of Nigeria to participate in data collection for the rapid Assessment of STIs in Nigeria under the sponsorship of UNFPA in Collaboration with World Health Organization and Federal Ministry of Health

2010 Appointed by Federal Government of Nigeria to develop audit tools for the assessment of the activities of the Laboratories to ensure continuous quality services by Federal Ministry Health

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Fellowship

- 2019 till date Fellow of West African Postgraduate College of Medical Laboratory Science
- 2013-2014 Postdoctoral Fellowship on arboviruses jointly awarded by IIE-SRF and German Academic Exchange Services (DAAD) hosted at International Centre for Insect Physiology and Ecology (icipe), Nairobi, Kenya
- 2012-2013 Postdoctoral Fellowship jointly awarded by Institute of International Education for Scholar Rescue Fund (IIE-SRF) and Eric Abraham Academic Fellowship hosted at University of Cape Town
- 2009
(July- Dec.) Postdoctoral Fellowship awarded and hosted at International Centre for Genetic Engineering and Biotechnology (ICGEB), Trieste, Italy.

Grants

- 2020- 2021 COVID-19: Establishing rapid laboratory diagnostics programs in LMICs” by ICGEB in collaboration with New England Biolabs Inc. (NEB) and with the support of the Bill and Melinda Gates Foundation
- 2016-2019 Establishment of a Laboratory facility for the diagnosis and surveillance of arbovirus infections in Nigeria (CRP/NGA16-03) from International Centre for genetic Engineering and Biotechnology
- 2019
(June 9-13) Travel grant awarded by Global Health Travel which allows Keystone Symposia to pay full cost of the conference on Positive-Strand RNA Viruses (E2) conference held in INEC, Killarney Convention Centre, Killarney, Co. Kerry on June 9 - June 13, 2019
- 2019
(20-24 Nov.) Travel Travel grant awarded by America Society for Tropical Medicine and Hygiene (ASTHM) to attend the ASTMH 68th Annual Meeting held at Gaylord National Resort & Convention Centre in National Harbor, MD, USA
- 2009
(April- June) Travel Grant for a research titled ‘Differential Diagnosis of febrile illnesses for arboviruses” awarded by Neglected Communicable Tropical and related Public in Health Research and hosted at International Centre for Genetic Engineering and Biotechnology, Trieste, Italy
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EXPERIENCE

- 2020-2021 Coordinated the testing of Covid 19 and shared the results daily with the National team
- 1999- To date **Polio Eradication Program**
- Pioneer Technical Supervisor of WHO National/ITD Polio Laboratory, Maiduguri, Nigeria
 - Director of WHO National/ITD Polio Laboratory, Maiduguri, Nigeria (2006)
 - Isolate and identify poliovirus isolates from acute Flaccid paralysis (AFP) and sewage
 - Conduct researches that complement global efforts on polio eradication program in Nigeria
- 2017- To date **Member of National Polio Expert Committee**
- Participate in the classification of inadequate and adequate polio cases
 - Participate in the supervision of Supplementary Immunization Activities
 - Attend joint meetings of National Polio Committees including National Certification Committee, National Task Force, Expert Review Committee on Polio and occasional visit to Polio Emergency Operation Centre meeting
- 2016-2017- **World Health Organization Regional Office, Brazzaville**
- Provided Technical guidance and support towards the establishment of Environmental surveillance (ES) laboratory (National Polio Laboratory, KEMRI, Kenya) in African Region.
 - Extended Environmental surveillance implementation to ten countries in Africa between December and September 2017: Countries that benefited from the expansion include Algeria, Cote D'Ivoire, Ethiopia, Gabon, Equatorial Guinea, Mozambique, South Sudan, Uganda, Mali and DRC.
 - Built the capacity of three laboratories (Algeria, Cote D'Ivoire, Ethiopia, Ghana and DRC) to enhance to ES implementation according to WHO guidelines
 - Trained twenty-nine Surveillance and Laboratory staff from 19 countries during a training workshop on the ES sample site selection, site validation, collection, packaging, shipment to the laboratory and the use of Blue line technology to validate environmental surveillance sites.
 - Conducted a training workshop (Grand Bassam, Cote D'Ivoire) for twelve Laboratory staff in ten countries on processing of environmental surveillance samples according to WHO guidelines
 - Validate Environmental surveillance sites using Blue Line Technology in nine countries (Ethiopia, Cote D'Ivoire, Mozambique, South Sudan, Mali, DRC, Niger, Kenya, and Cameroun).
 - Co-ordinated parallel testing of sewage samples between the reference laboratory in NICD, South Africa and the newly established Environmental Surveillance Laboratories in four countries (Cote D'Ivoire, Ethiopia and Uganda and DRC) as well as Ghana and Cameroun.
 - Provided the summary results on the dashboard on weekly basis to facilitate monitoring and evaluation of performance of ES in countries concerned. Countries with persistent interrupted ES sample collection in 2016 include Kenya, Niger, Chad, Guinea, Burkina Faso and Cameroun were motivated to step up collection. This was achieved by contacting Polio Team Leaders in these countries through telecommunications and side meetings during the workshop on ES to identify the challenges and proffered solutions.
 - Reactivated interrupted ES sample collection in Chad and Niger experienced in 2016.
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- Improved ES sample collection in Guinea and Kenya.
- Organized a refresher training workshop for the Staff in Niger Laboratory to address identified challenges.
- Provided ES data for publication in polio weekly bulletin

2013-2015- **Emerging Infectious Disease Laboratory, International Centre for Insect Physiology and Ecology, Nairobi, Kenya.**

- Reviewed and published outbreaks of arboviruses in Eastern African countries
- Developed laboratory manual for the diagnosis of arboviruses
- Set up the tissue culture Unit of the Laboratory
- Trained some laboratory staff on the use of tissue culture for the diagnosis of viral infections

2013

(August to October) **Laboratory of Professor Dr Feller, Department of Pathology, University of Luebeck, Germany**

- Produced and maintained stably transfected cells
- Induced gene expression on transfected cells
- Titrated selection marker for optimisation
- Extracted, purified and concentrated Nucleic acid from transfected cells
- Designed primers with restriction sites
- Cloned genes of interest to topovectors
- Techniques involved in pyrosequencing, Sanger and Next generation sequencing

2012-2013 -**Laboratory of Prof. Ed Rybicky, Department of Molecular and Cell Biology, University of Cape Town**

- Expressed Rotavirus proteins in bacteria and plants vectors for Rotavirus vaccine

2004-2012- **Department of Medical Laboratory Science, University of Maiduguri, Nigeria**

- Performed the administrative responsibilities as a Head of Department of Medical Laboratory Science from 2004 to 2012
- Performed the administrative responsibilities as the Director of WHO National Polio Laboratory, University of Maiduguri from 2006 up to date.
- Served as a Consultant with Federal Ministry of Health on Central Quality control and retesting of HIV samples (Sentinel Survey)
- Served as an honorary staff of University of Maiduguri Teaching Hospital, Nigeria from 1993 to date

2009 (April to December)- **Laboratory of Dr A. Marcello, International Centre for Genetic Engineering and Biotechnology (ICGEB), Trieste, Italy/ Dr P. Dagarò, Istituto Di Igiene e Medicina Preventiva, Virologia (IRCCS) Burlo, Trieste, Italy**

- Used qRT-PCR, Immunofluorescence antibody technique and PRNT for the detection of West Nile, Dengue, Yellow fever and Chikungunya viruses from patients with febrile illnesses

2002-2003 **Virology Department, Institute Pasteur De Dakar, Senegal (PhD research project)**

- Used molecular technique for the diagnosis of arbovirus infections such as West Nile, dengue, Yellow fever
 - Identified different mosquitoes and performed virus isolation of from different species of mosquitoes
 - Used laboratory animals for the preparation of virus, antigen stocks and other biologicals such as hyper immune serum
 - Employed IgM capture ELISA, Immunofluorescence antibody technique Complement fixation etc in the diagnosis of viral diseases
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- 1999 to date **University of Maiduguri Teaching Hospital, Nigeria**
- Isolated and identified Polio and non-polio enteroviruses using tissue culture, neutralization and qRT-PCR
- 1987-todate **University of Maiduguri, Nigeria**
- Teach Virology, Public Health and Immunology to Medical/ Para Medical students at College of Medical Sciences, University of Maiduguri, Nigeria
 - Conduct research towards improved diagnosis of viral diseases
 - Supervise graduate and postgraduate research projects
 - Demonstrated Virology during practical exercises to Veterinary Medical students and research assistant at faculty of Veterinary Medicine, University of Maiduguri. Nigeria
- 1983 – 1986 **National Veterinary Research Institute, Vom, Jos, Nigeria**
- Involved in the production of tissue culture Rinderpest virus vaccine
 - Taught Mathematics and Chemistry to students of College of Animal Health and Husbandry
 - Performed different types of serological techniques in the diagnosis of viral diseases

Achievements

- 2021 Appointed by Federal Ministry of Health to participate in the development of POC and near-POC testing training materials, SOPs and data collection tools on HIV in Nigeria
- 2021 Appointed as a member of National HIV Laboratory Task Force by Federal Ministry of Health
- 2015 Appointed as a member of National Polio Expert Committee (NPEC)
- 2016 Appointed Technical Officer on Environmental surveillance, WHO AFRO- Brazzaville
- 2010 Collected data from selected Urban and rural health care delivery Centres in Borno State for the Rapid Assessment of Sexually transmitted diseases in Nigeria sponsored by UNFPA in collaboration with the World Health Organization and Federal Ministry of Health
- 2010 Participated in the development of audit tools for the assessment of the activities of the Medical Laboratories in Nigeria to ensure continuous quality services sponsored by the Federal Ministry of Health, Nigeria.
- 2010 Appointed as External Assessor during Medical Laboratory Science Professional Examinations in Nigeria
- 2010-to date Appointed as External Examiner in some Nigerian Universities for postgraduate programmes
- 2010-To date Appointed by National Universities Commission to serve as a member of accreditation team for Nigerian Universities
- 2010-Todate Appointed by Medical Laboratory Council of Nigeria to serve as a member of accreditation team for Institutions training Medical Laboratory Scientists in Nigeria
- 2009-2012 Served as a member of the governing Board of Medical Laboratory Council of Nigeria.
- 2009(October to December) Obtained a Travel Grant for a research titled ‘Differential Diagnosis of febrile illnesses for arboviruses’ with my Collaborators at International Centre for Genetic Engineering and Biotechnology, Trieste, Italy by Neglected Communicable Tropical and related Public in Health Research
- 2008 Appointed as a Consultant (Virology) with Federal Ministry of Health to participate in the Central quality Control and Re-testing of HIV sentinel Survey samples
- 2007 Served as a member of the Stakeholders’ Forum on Lassa Fever, Federal Ministry of Health
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2006-to date	Appointed as External Examiner in some Nigerian Universities for undergraduate programmes
2006-Todate	Appointed as the Director of WHO National/ITD Polio Laboratory, University of Maiduguri Teaching Hospital, Nigeria
2006-Todate	Appointed as a member of Expert Review Committee on Polio Eradication Program in Nigeria
2005-2007	Appointed by Federal Ministry of Health, Nigeria to serve as a member of Expert Committee for Pandemic Influenza
2004-2012	Appointed as a Pioneer Head of Department of Medical Laboratory Science, University of Maiduguri, Nigeria
2002-2003	Obtained Ph.D. Fellowship (Sandwich Fellowship Programme) by Third World Organization for Women in Science. Served in the Electoral Committee of Association of Medical Laboratory Scientists of Nigeria
1995-2000	Appointed as the Project Manager, Laboratory Revolving Fund Committee, University of Maiduguri Teaching Hospital, Nigeria
1990-1992	Awarded Federal Government of Nigeria Postgraduate Scholarship to undertake postgraduate training tenable in Nigeria and University of Maiduguri Staff Development fellowship for Postgraduate training at University of Ibadan, Nigeria.
1987-todate	Appointed to teach Medical Virology and Immunology in University of Maiduguri
1973-1982.1	Awarded the Cross -River state Government Scholarship for secondary, post-secondary and university training tenable in Nigeria.

Professional Practice

2020-2021:	Building the capacity of Medical Laboratory Scientists on the diagnosis of Covid 19
2021	Optimization of IOM-UMTH laboratory for Covid 19 testing
2021	Optimization of Molecular laboratory, Umaru Shehu Ultramodern Hospital, Borno State for Covid 19
2020-2021	Coordination of Covid-19 Testing in Borno State
2020 to Date	Board of Fellows, Association of Medical Laboratory Scientists of Nigeria (AMLSN)
2019 to Date	A Member of West Africa Postgraduate College of Medical Laboratory Science (WAPCMLS)
2019-2020:	Appointment as a Member of Public Health Emergency for National and International Concerns Committee
2019- To Date:	Appointment as Vice Chairman, National HIV Laboratory Task Team by Federal Government of Nigeria
2018 To Date	Appointment as a Member of National Expert Polio Committee By Federal Ministry of Health
1999 to date:	Technical Supervisor in WHO National Polio Laboratory, UMTH, Maiduguri
2006 to Date	Director of WHO National/ITD Polio Laboratory, UMTH, Maiduguri

Community Service

- March 31 2021: Women in leadership: towards achieving equal opportunity for all in a Covid- 19 world presented during the International Women day
- November 05 2018: The Environment we create feeds us back presented during the Health Week by Medical Laboratory Science students
- 2018- To date Prison Fellowship Ministry of Nigeria which involves visiting and preaching the Gospel of Jesus Christ to the prisoners on Sundays. It also entails caring for their needs while in the Prison and immediately they are released before being established in the society.
- 2021 Public Lecture on Lassa Fever during the enlightenment campaigns through Borno State Television Broadcast

PUBLICATIONS1.

1. Olawoye, I.B., Oluniyi, P.E., Oguzie, J.U. *et al.* Emergence and spread of two SARS-CoV-2 variants of interest in Nigeria. *Nat Commun* **14**, 811 (2023). <https://doi.org/10.1038/s41467-023-36449-5>
 2. Yusuf Amuda Agabi; Adebayo Samson Ogundele; Jesse Ishaya; Alhassan Fwangmun Damter; John Danjuma Mawak; John Otumala Egbere; Hashimu Zakari; Murna Ali; Marycelin Mandu Baba (2022). Co-infection and Associated Risk Factors of Herpes Simplex Virus Type-1 and Human Immunodeficiency Virus Among Patients Attending Faith Alive Foundation Hospital Jos, North Central Nigeria. *Microbes and Infectious Diseases*. Doi: 10.21608/mid.2022.168774.1399
 3. Zhao K, Schmidt A, Tang K, Castro CJ, Liu H, Pang H, Chen Q, Baba M, Soji OB, Bukbuk D, Akinola M, Adeniji JA, Marine RL, Ng TFF, Jorba J, Burns CC. Nearly Complete Genome Sequences of Type 2 Sabin-Like Polioviruses from Northern Nigerian Poliovirus Surveillance, 2016 to 2018. *Microbiol Resour Announc*. 2022 Dec 12:e0073522. doi: 10.1128/mra.00735-22. Epub ahead of print. PMID: 36507631.
 4. Bamidele Soji Oderinde, Zakari Adamu Shuaibu, Chiamaka Precious Okoye, Musa Idowu Audu, Erick Mora-Cárdenas, Tea Carletti, Alessandro Marcello, Thlama Gulanda Awi, Jesse Romeo Buba, Marycelin Mandu Baba (2022). Multiple Serotypes of Dengue Unmasked from Suspected Malaria Patients are Significantly Associated with Yellow Fever Vaccination in Northeastern Nigeria. *American Journal of Epidemiology and Infectious Disease*. Vol. 10, No. 1, pp 7-18. <http://pubs.sciepub.com/ajeid/10/1/2>.
 5. Samuel Luka Abbott, Abdullahi Walla Hamisu, Saheed Gidado, Sume Gerald Etapelong, Aboyowa Arayuwu Edukugho Isiaka Ayodeji Hassan, Kabir Yusuf Mawashi, David Nadeba Bukbuk, **Marycelin Baba**, Adeniji Johnson Adekunle, Usman Saidu Adamu, Eunice Damisa, Ndadilnasiya Endie Waziri, Wiedad Roodly Archer, Richard Franka, Eric Wiesen, Fiona Braka, Omotayo Bolu, Richard Banda, Faisal Shuaib (2021): Enhancing acute flaccid paralysis surveillance system towards polio eradication: reverse cold chain monitoring in Nigeria, 2017 to 2019. **Supplement article - Research | Volume 40 (1): 7. 12 Nov 2021 | 10.11604/pamj.supp.2021.40.**
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6. **Baba MM**, Bitew M, Fokam J, et al. Diagnostic performance of a colorimetric RT -LAMP for the identification of SARS-CoV-2: A multicenter prospective clinical evaluation in sub-Saharan Africa.

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Eclinicalmedicine. 2021 Oct;40:101101. DOI: 10.1016/j.eclinm.2021.101101. PMID: 34476394; PMCID: PMC8401528.

7. Wilkinson E, Giovanetti, M, Tegally, H Baba MM et al (2021). A year of genomic surveillance reveals how the SARS-CoV-2 pandemic unfolded in Africa. *Science*. 2021 Oct 22;374(6566):423-431. doi: 10.1126/science.abj4336. Epub 2021 Sep 9. PMID: 34672751; PMCID: PMC7613315.
8. **Marycelin M. Baba**, Khalid M. Yahaya, Emmanuel M. Ezra, Musa Adamu, Bulama M. Kulloma, Mayomi Ikusemoran, John P. Momoh, Bamidele S. Oderinde (2021) : Assessment of immunity against Yellow Fever virus infections in northeastern Nigeria using three serological assays. <https://doi.org/10.1002/jmv.26978>

9. BS Oderinde, E Mora-Cárdenas, T Carletti, **MM Baba** (2020). **Prevalence of locally undetected acute infections of Flaviviruses in North-Eastern Nigeria** *Virus Research* 286:198060. DOI:[10.1016/j.virusres.2020.198060](https://doi.org/10.1016/j.virusres.2020.198060)
10. Johnson Muluh Ticha, Kolawole Olatunji Matthew, Abdullahi Walla Hamisu, Braika Fiona, Pascal Mkanda, Peter Nsubuga, Eberto Tesfaye, Kehinde Craig, Etsano Andrew, Obi Emelife, Faisal Shuaib, Akinkugbe Folasade, Johnson Adeniji, Usman Adamu, Mohammed Dallatu, Geoffrey Oyeyinka, Holly Brown, Nwakasik Nnamah, Joseph Okwori, Chukwuike Chinedu, Ibikunle Anibijuwon, Adewumi Olubusuyi, Donbraye Emmanuel, Murtala Bagana, **Marycelin Baba**, Gumede Nicksy, Richard Banda, Sisay G Tegegne, Ajiboye Oyetunji, Ousmane Diop, O Tomori, Rui G Vaz (2018): Towards an effective poliovirus laboratory containment strategy in Nigeria. *BMC public health* 18 (4), 1304
11. Jing Shaw, Jaume Jorba, Kun Zhao, Jane Iber, Qi Chen, Festus Adu, Adekunle Adeniji, **Marycelin Baba**, Elizabeth Henderson, Naomi Dybdahl-Sissoko, Sharla Macdonald, William C. Weldon, Nicksy Gumede, M. Steven Oberste, Olen M. Kew and Cara C. Burns (2018): Dynamics of Evolution of Poliovirus Neutralizing Antigenic Sites and Other Capsid Functional Domains during a Large and Prolonged Outbreak. *Journal of virology*, JVI. 01949-17
12. Nicksy Gumede, Joseph Okeibunor, Ousmane Diop, **Maryceline Baba**, Jacob Barnor, Salla Mbaye, Johnson Ticha, Goitom Weldegebriel, Humayun Asghar, and Pascal Mkanda (2018): Progress on the Implementation of Environmental Surveillance in the African Region, 2011-2016. *J. Immunol Sci*. 2018 August 2; Suppl (4): 24–30.
13. I A Nasir, O O Agbede, A Dangana, **M Baba**, AS Haruna (2017): Dengue virus non-structural Protein-1 expression and associated risk factors among febrile Patients attending University of Abuja Teaching Hospital, Nigeria *Virus research* 230, 7-12
14. **Marycelin Baba** and Ikusemoram Mayomi (2017): Is the absence or intermittent YF vaccination the major contributor to its persistent outbreaks in eastern Africa? *Biochemical and Biophysical Research Communications* · January 2017 . DOI: 10.1016/j.bbrc.2017.01.079
15. **Marycelin Baba** and Ikusemoram Mayomi (2017): Proposed Systematic Approach to Prevent or Reduce the Resultant Outcomes of RVF Outbreaks: Using the Eastern African Countries Experience *Tract. J Epidemiol Public Health Rev* 2(1): doi <http://dx.doi.org/10.16966/2471-8211.135>
16. Marie Claire Endegue-Zanga, Serge Alain Sadeuh-Mba, Jane Iber, Cara C. Burns, Nicksy Gumede Moeletsi, **Marycelin Baba**, David Bukbuk, Francis Delpyroux, Marcellin Nimpa Mengouo, Maurice Demanou, Guy Vernet, François-Xavier Etoa, Richard Njouom(2016): Importation and outbreak of wild polioviruses from 2000 to 2014 and interruption of transmission in Cameroon. *Journal of Clinical Virology*, Vol. 79, 18-24
17. BS Oderinde, OO Agbede, SS Baba, DN Bukbuk, **MM Baba**, SK Amoka (2016) Serum Levels of Interleukin-6 (IL-6) Cytokine in Patients with Classic Fever of Unknown Origin, in Maiduguri, Nigeria. *British Journal of Medicine & Medical Research* 15 (11), 1-6
18. **Baba M M**, Vinllinger J, Masiga D (2016): Repetitive dengue outbreaks in East Africa: A proposed phased mitigation approach may reduce its impact. *Rev Med Virol*. 1-14. DOI: 10.1002/rmv.1877
19. Baba MM, Sang R, Masiga D, Villinger J: Has Rift Valley fever virus evolved to increasing virulence in human populations after existence for a century in East Africa?: *Emerging Microbes and Infections*. Jun; 5(6): e58. DOI: [10.1038/emi.2016.57](https://doi.org/10.1038/emi.2016.57)
20. S O Obi, B A Denué, G I Omilo, A A Ayub-Enida, **M M Baba** (2016): Pattern of deranged haemostatic biomarkers among HIV patients: a descriptive case control cohort study in a tertiary health facility in northeastern Nigeria. *Nigerian Hospital Practice* 17 (3-6), 38-44

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21. Famulare M, Chang S, Iber J, Zhao K, Adeniji JA, Bukbuk D, **Baba M**, Behrend M, Burns CC, Oberste MS (2016): Sabin vaccine reversion in the field: a comprehensive analysis of Sabin-like poliovirus isolates in Nigeria. *Journal of virology* 90 (1), 317-331
 22. Ianiro, Roberto Delogu, **Marycelin Baba**, Bamidele S Oderinde, Joshua Dawurung, Franco Maria Ruggeri (2015): Molecular characterization of group A rotavirus strains detected in children with diarrhea admitted to Nigerian hospitals in 2013. *Archives of Virology (ARVI)*. Arch Virol. 2015 Mar 14.
 23. Simon O. Obi, Ballah Akawu Denu (2015): An Ifeanyi Chukwu O. Martin, **Marycelin M. Baba**, Grace I. Amilo, Salihu Aliyu Kwayabura, Obi Ejeatulu: Down Observational Study in Maiduguri, North-Eastern Nigeria. *World journal of AIDS* 5, 76-82.
 24. **Marycelin M. Baba**, Nina Vidergar and Alessandro Marcello (2014): Virological point-of-care testing for the developing world. *Future Medicine. Future Virology*, Vol. 9, No. 6, 595-603 (doi: 10.2217/fvl.14.33).
 25. Spencer TH, Umeh PO, Irokanulo E, **Baba MM**, Spencer BB, Umar AI, Ardzard SA, Oderinde S, Onoja O (2014): Bacterial isolates associated with pelvic inflammatory disease among female patients attending some hospitals in Abuja, Nigeria. *Afr J Infect Dis*. 2014;8(1):9-13.
 26. Simon O. Obi, Haruna A. **Baba, Marycelin M.** Baba I, Grace I. Amilo and Alhaji Bukar (2014): The Effect of Co-infection of HIV and Hepatotropic Viruses on Selected Biochemical and Haematological Markers of Patients in Northeastern Nigeria. *International Journal of tropical disease and health*; 4(5):2014.
 27. Adamu Babayo I, Yunusa Thairu, Idris Abdullahi Nasir, **Marycelin M. Baba** (2014): Serological Evidence and Sociodemographic Risk Factors of Recent Cytomegalovirus Infection in Pregnant Women Attending a Tertiary Hospital in Maiduguri, Nigeria. *J Med Microbiol Infect Dis*. 2 (2): 49-55.
 28. Burns CC, Shaw J, Jorba J, Bukbuk D, Adu F, Gumede N, Pate MA, Abanida EA, Gasasira A, Iber J, Chen Q, Vincent A, Chenoweth P, Henderson E, Wannemuehler K, Naeem A, Umami RN, Nishimura Y, Shimizu H, **Baba M**, Adeniji A, Williams AJ, Kilpatrick DR, Oberste MS, Wassilak SG, Tomori O, Pallansch MA, Kew O (2013). Multiple independent emergences of type 2 vaccine-derived polioviruses during a large outbreak in northern Nigeria. *J Virol*. 2013 May;87(9):4907-22. doi: 10.1128/JVI.02954-12.
 29. Idris A. N. I, **Baba M. M.**, Thairu Y. I, Bamidele O. (2013): Sero-prevalence of dengue type-3 Virus among patients with febrile illnesses attending a tertiary hospital in Maiduguri, Nigeria. *International Journal of Medicine and Medical Sciences*. Vol. 5(12), pp. 560-563. DOI: 10.5897/IJMMS2013.0994. ISSN 2006-9723 ©2013.
 30. **Marycelin Baba**, Christopher H. Logue, Bamidele Oderinde, Hauwa Abdulmaleek, Joshua Williams, Alessandro Marcello, Roger Hewson, Pierlanfranco Dagaro (2013): Evidence of arbovirus co-infection in suspected febrile Malaria and Typhoid patients in Nigeria. *J Infect. Dev. Ctries* 7(1): 051-059.
 31. **MM Baba** and Michael Ayivor (2013): Polio Vaccination in Nigeria: The 'good', the 'bad' and the 'ugly' *International Journal of Medical Science and Public Health* 2(1): 137-145.
doi: 10.5455/ijmsph.2013.2.137-145
 32. FO Samuel, A Segun, **MM Baba**, J Farrant (2013): Antimicrobial effect and kinetic inhibition of partially purified extracellular protease of *Shigella dysenteriae* by the volatile oils of *Camellia sinensis*. *International Journal of Phytomedicine* 5 (2), 163
 33. FO Samuel, **MM Baba**, J Farrant (2013): Kinetic inhibition of the extracellular protease of *Shigella dysenteriae* by the volatile oil from *Camellia sinensis* and its effects on pathogenic bacteria in comparison with... *International Journal of Phytomedicine* 5 (1), 26
 34. OP Oladejo, GO Nwobu, OP Omosigho, **M Baba**, S Oderinde (2013): Neutralization Antibodies in Oral Poliovirus Vaccine (OPV) Vaccinated Children and Young Adult in Bida North Central, Nigeria. *International Journal of Epidemiology & Infection* 1 (2), 19-2
 35. Oderinde B.S, **Baba M.M.**, Nwodo M.U., Ladan J., Musa B.J., Ghamba P.E., Akinola M.T., Kadai A.M (2013). Isolation of enterovirus from fecal samples of patients with diabetes mellitus in Maiduguri, Nigeria. *African Journal of Clinical and Experimental Microbiology*. AFR. J. CLN. MICROBIOL 14 (1):34-39.
 36. Dawurung J.S., Bukbuk D.N., Ajayi B.B., **Baba MM** (2012). Prevalence of hepatitis B and C virus co-infection among students of University of Maiduguri, Nigeria. *Archives of Applied Science Research*, 4 (4): 1581-1584.
 37. Oderinde B.S., **Baba M.M.**, Mohammed U.A., Ojeamireni I., Akinola M.T., Bamaiyi M.J., Ladan J. (2012): A preliminary Study on Neutralizing Antibody to Poliovirus in Adults in Maiduguri, Nigeria.
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Baba, Marycelin

- American-Eurasian Network for Scientific Information (Australian Journal of Basic and Applied Sciences, 6(8): 23-27, 2012)
38. **MM Baba**, B.A. Haruna, O. Ogunmola, J.P. Ambe, N.N. Shidali, B. Oderinde, A. Marcello, and M. Talle (2012). A Survey for Neutralizing Antibodies to the Three Types of Poliovirus Among Children in Maiduguri, Nigeria. *JMV-11-2634.R2 (23228)*. Journal of Medical Virology 9999:1–6.
 39. Lisa Miorin, Amelina Alborno, **Marycelin M Baba**, Pierlanfranco D'Agaro and Alessandro Marcello (2011): Formation of membrane- defined compartments by Tick-borne Encephalitis Virus contributes to the early delay in interferon signaling. *Virus Research*, 163 (2): 660-6.
 40. **M.M. Baba**, B.S. Oderinde, P.Z. Patrick, and M.M. Jarmai. (2012). Sabin and Wild Polioviruses from Apparently Healthy Primary School Children in Northeastern Nigeria. *Journal of Medical Virology*, 84:358–364 (2012).
 41. Zaccheaus A. Jeremiah, Halima Idris, Babajide B. Ajayi, Anthony C.U. Ezimah, Mohammed B. Malah and **Marycelin M. Baba** (2011): Isolated anti-HBc-IgM antibody among blood donors in the semi-arid region of Nigeria. *Human Antibodies* 20 (2011) 77–82.
 42. B.S Oderinde., **M.M. Baba**, CM Rimamnyang., Talle. Muhammad, O.O. Ogunmola (2011). Comparison of the Potency of Circulating Vaccine Derived Poliovirus Type 2 with Sabin like Type 2 by Micro Titration. *Australian Journal of Basic and Applied Sciences*, 5(11): 1352-1357.
 43. Steven Wassilak, Mohammed Ali Pate, Kathleen Wannemuehler, Julie Jenks, Cara Burns, Paul Chenoweth, Emmanuel Ade Abanida, Festus Adu, **Marycelin Baba**, Alex Gasasira, Jane Iber, Pascal Mkanda, Aj Williams, Jing Shaw, Mark Pallansch and Olen Kew (2011): Outbreak of Type 2 Vaccine – Derived poliovirus in Nigeria: Emergence and Widespread Circulation in an Underimmunized population. *Journal of Infectious Diseases* 203: 898-909.
 44. Babale Garba Nafada, **MM Baba**, , Hyelcinta C.J, Abdulrahman Tahir, Bashir Tahir, Muhammad Talle, Obi S.O (2011). Capacity Utilization of University of Maiduguri Teaching Hospital, Nigeria. Report and Opinion. <http://www.sciencepub.net/report>.
 45. **MM Baba**, M Talle, (2011): The effect of climate on Dengue Virus Infections in Nigeria. *New York Science Journal*, 2011; 4 (1).
 46. JS Dawurung, **M M Baba**, G Stephen, SC Jonas, DN Bukbuk, CJ Dwaurung (2010): Serological evidence of acute dengue virus infection among febrile patients attending Plateau State Specialist Hospital Jos, Nigeria. *Report and Opinion* 2 (6): 71-76.
 47. Musa Bama, Joseph, Benjamin Gaji, Muhammad T, **Marycelin Baba** and Thilza, I B (2010): Incidence of Schistosomiasis in Primary School Pupils with particular Reference to *S.haematobium* In Maiduguri. *Researcher* 2(3): 31-36 (ISSN 1553-9865) .
 48. T Muhammad, Usman Auwal, **MM Baba**, and IB Thilza, (2010): HIV infection among male prison inmates in Abuja (2010): *Researcher*. 2(3): 28-30 (ISSN: 1553-9865).
 49. Helen E. Jenkins, R. Bruce Aylward, Alex Gasasira, Christl A. Donnelly, Michael Mwanza, Jukka Corander, Sandra Garnier, Claire Chauvin, Emmanuel Abanida, Muhammad Ali Pate, Festus Adu, **Marycelin Baba**, Nicholas C Grassly (2010): Implications of a Circulating Vaccine Derived Poliovirus in Nigeria. *New England Journal*. 362 (25): 2360-9.
 50. **MM Baba**, MJ Sheidu, Talle Muhammad, and B Soji Oderinde (2010): Estimation of live virus content of measles vaccine. *Stem cell journal* (2):1-4 (ISSN 1545-4570). <http://www.sciencepub.net>.
 51. Amit Kapoor, Peter Simmonds, Elizabeth Slikas, Linlin Li, Ladaporn Bodhidatta, Orntipa Sethabutr, Henda Triki, Olfa Bahri, Bamidele S. Oderinde, **Marycelin M. Baba**, David N. Bukbuk, John Besser, Joanne Bartkus, and Eric Delwart (2010): Human Bocaviruses Are Highly Diverse, Dispersed, Recombination Prone, and Prevalent in Enteric Infections., *Journal of Infectious Diseases: J Infect Dis* 201 (11): 1633-43.
 52. T Muhammad, SS Baba, LT Zaria, **MM Baba**, IB, Thilza, Bukbuk, (2010): Potency Titration of Oral Polio vaccine (OPV) by estimation of Live virus content using tissue culture Technique *Insinet Publications Journal of Applied Sciences Research*, 6 (3): 229-33.
 53. Obi Osita and **Baba, Marycelin** (2010): Buisness Ethics: What medical laboratory scientist should know *Journal of Life and Environmental Sciences*. *Journal of Life and Environmental Sciences*. ISSN: 1119 – 9792, Vol. 11 (1). 600-606.
 54. Linlin Li, Joseph Victoria, Amit Kapoor, Olga Blinkova, Chunlin Wang, Farbod Babrzadeh, Carl J. Mason, Prativa Pandey, Hinda Triki, Olfa Bahri, Bamidele Soji Oderinde, **Marycelin Mandu Baba**, David N. Bukbuk, John M. Besser, Joanne M. Bartkus and Eric L. Delwart (2009): A novel Picornavirus Associated with Gastroenteritis. *Journal of Virology* 83 (22): 12002-12006.
-

Baba, Marycelin

55. **M M Baba**, Marie-Francois Saron, Vorndam A V , Adeniji J A, Diop O and Olaleye D: (2009): Dengue Virus Infections in Patients Suspected of Malaria/Typhoid in Nigeria, *Journal of American Science* 5(5):129-134.
 56. T. Muhammad, A C Ene, G.O. Atanda, E A Nwankwo, and **M M Baba (2009)**: Seroprevalence of HIV infection among patients attending STD clinic at National Hospital, Abuja, Nigeris. *Scientific Research and Essay Vol.4*, xxx-xxx.
 57. **MM Baba**, Charity O, Omotara, BA, and Ambe JP (2007): Evaluation of Measles Vaccine Programme Conducted in Five Health Centres in Maiduguri, Nigeria. *Life Science Journal Vol. 4, NO. 4*.
 58. Oderinde SB, Olabode AO, Harry OB, **MM Baba.**, Bukbuk ND and Ogunmola OO (2007): Non-Polio Enteroviruses Implicated in Acute Flaccid Paralysis in Northern Nigeria. *Research journal of Medicine and Medical Sciences*. 2(1): 25-28.
 59. MB Abubakar, AD El-Yuguda, AA Yerima, SS Baba, MB Abubakar, AG Ambali, T Tamdjo, FDU Adu, B Sokale, WH Allan, RF Gough, SS Baba, AD El-Yuguda, **MM Baba**, AE Castro, WP Heuschelle, JKA Cook, JH Darbyshire, G Dhinakar Raj, V Thragarajan, R Nachimuthu, MA Dipeolu, OM Karipe, AO Durojaiye, DF Adene, AD El-Yuguda, UM Dokas, SS Baba, J Jagne, I Aini, SG Schat, A Fennel, O Touray, DR Nawathe, A Abegunde, JOA Okoye, IJE Orajaka, CJ Nwosu, EB Sonaiya, RDS Brancaert, EF Gueye, PB Spradbrow (2007): Newcastle disease in poultry: A new feed pellet vaccine. *Asian Journal of Poultry Science* 2 (1), 413-416
 60. Ajayi B.B, Moses A.E, Ezimah ACU, Adelowo KA, Bukbuk DN and **Baba M.M** (2007): HIV prevalence among Blood Donors in University of Maiduguri Teaching Hospital (UMTH): A ten Year Experience. *International journal of Virology*. 3 (1): 35-40
 61. A Nasidi, S Peters, JC Forbi, O Nash, OD Olaleye, OA Owolodun, T Joannis, A Ado, JF Vertefeuille, **M Baba**, I Dalhatu, E Bamigboye, N Sani-Gwarzo, EBA Coker, S Ahmed, S Belgore, M Katz, L Sadiq, W Alemu, E Tsegaye, A Hay, TO Harry (2007): Genetic Characteristics of the First Human Case of Highly Pathogenic Avian Influenza A (H5N1) in Sub-Saharan Africa. Conference: Options for the Control of Influenza VI Conference Proceedings June 17-23 2007, At Toronto Canada, Volume: 6
 62. **M M Baba**; Marie-Francois saron and J AAdeniji (2006): The seasonal effect of West Nile Virus in a semi-arid zone, Nigeria. *Trends in Medical research* 1 (1): 31-38.
 63. **M M Baba**; H M Adamu and A D El-Yuguda (2006): Lassa fever virus infections among febrile patients suspected of typhoid fever in a tertiary health Institution in Nigeria. *Research journal of Medicine and Medical sciences*. 1 (2): 57-62.
 64. **M M Baba**; Marie-Francois Saron; OusmaneDiop; Christian Mathiot and J A Adeniji (2006): West Nile virus in mosquitoes and febrile patients in a semi-arid zone, Nigeria. *The journal of American Science*. 2 (2), 28-34.
 65. EB Ibitoye, AA Jimoh, HU Mungadi, PA Abdu, PA Abdu, EK Bawa, JU Umoh, L Saidu, AY Adamu, AB Ahmed, MB Abubakar, MD Lawal, DF Adene, DJ Alexander, SO Al-Garib, ALJ Gielkens, E Gruys, G Kochi, SS Baba, AD El-Yuguda, **MM Baba**, GF Brook, KC Carroll, JS Butel, SA Morse, CD Ezeokoli, JU Umoh, AA Adesiyun, PA Abdu, KA Gomez, AA Gomez, HM Hafez, DC Herenda, DA Franco, CL Hofacre, AG Lamorode, JU Molokwu, DS Adegboye, SO Emejuawe, U Musa, PA Abdu, II Dafwang, JU Umoh, L Sa'idu, UM Mera, JA Edache, IW Musa, PA Abdu, AKB Sackey, SB Oladele, S Lawal, IU Yakubu, JA Nwanta, OG Ohore, PC Ozegbe, BO Emikpe, VE Okojie, LJE Orajaka, DF Adene, BM Anene, EA Onuoha, KA Oyewola, GAT Ogundipe, OA Durojaiye, MA Sadiq, JA Nwanta, EC Okolocha, AN Tijjani, L Saidu, PA Abdu, LB Tekdek, JU Umoh, M Usman, SB Oladele, EB Sonaiya, PB Spradbrow, TD Tu, KV Phuc, NTK Dinh, DN Quoc, PB Spradbrow, U Wernery, JD Remple, U Neumann, DJ Alexander, RJ Manvel, OR Kaaden (2005) : Avian paramyxovirus serotype 1 (Newcastle disease virus) infections in falcons. *Current Research in Poultry Science* 3 (1), pp: 68-70
 66. S Oderinde, T O Harry, **M M Baba** and D N Bukbuk (2005): Cell culture contamination is resolved in a semi-arid zone. *Polio Lab Network Quarterly Update*. Vol. XI, Issue 2 :1
 67. **MM Baba**, Centers for Disease Control, E Chunge, JP Boutin, J Roux, S Hales, N Dewet, J Maindonald, A Woodward, BL Innis, A Nisalak, S Nimmannitya, S Kusalerdchariya, V Chongwasdi, TH Jetten, DA Focks, JS Koopman, DR Prevots, MAV Marin H Gomez Dantes, ML Zarate Aquino, RS Lanciotti, CH Calisher, DJ Gubler, GJ Chang, AV Vorndam, JA Mangiafico, JL Sanchez, LT Figueiredo, JW LeDue, CJ Peters, N Sathish, DJ Managan, V Shankar, M Abraham, G Nithyanandam, G Sridharan (2005): Notifiable Conditions-Surveillance and Reporting Guidelines for West Nile Virus. *Trends in Medical Research* 1 (1), pp: 1-3
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Baba, Marycelin

68. S S Baba; J P Bwala; A D El-Yuguda and **M M Baba (2005)**: Serological Evidence of rabies virus infection of slaughter camels (*CamelusDromedarus*) imported to Nigeria. *Trop. Vet.* Vol. 23 (3&4).
 69. **MM Baba**, A D El- Yuguda and BB Ajayi (2003): Influenza virus infections in tuberculosis and non-tuberculosis patients in Nigeria. *Nigerian Journal of Experimental and Applied Biology.* Vol. 4 No 2: 191-196.
 70. **MM Baba**. A E Moses BB Ajayi and K A Adelowo (2003): Sickle cell trait among the blood donors in Maiduguri, Nigeria *Nigerian Journal of Experimental and Applied Biology.* Vol. 4 No 2: 167-169.
 71. Ambe, J., Omotara, BA., **Baba, MM.** (2001): Perception, beliefs and practices of mothers in sub-urban and rural areas towards measles and measles vaccination in North-eastern Nigeria .*Tropical Doctor*,31, 89-90.
 72. **Baba MM**, Sarkindared, SE, Brisbe F and Baba SS (2001): Serological evidence of brucellosis among predisposed patients with pyrexia of unknown origin in the North Eastern Nigeria Central Europ. *J. Pub. Hlth.*9 No.3 158-161.
 73. **Baba MM**, OmotaraBA (2001): Evaluation of views of the adolescents towards managemen of AIDS patients in the Northern- Eastern Nigeria. *Journal of Health Education and Sport Science* ISSN:0795-2120, Vol.2, No.2, 1.
 74. **Baba MM**,Omotara BA (2001):The sources and effect of information on AIDS among the adolescents in Borno State, Nigeria. *Journal of Health Education and Sport Science* ISSN:0795, Vol.2, No.2, 1- 13.
 75. **Baba, MM.**, Gashau, W., Hassan, A.W. (2000): Prevalence of hepatitis B antigenaemia and Human Immunodeficiency virus in blood donors in Maiduguri, Nigeria. *Nigerian J. Med.*, 9(1): 10-12.
 76. Baba, S.S., Fotabe, A.I., **Baba, M.M.** and Rimstad, E. (2000): Preliminary survey for antibodies against caprine arthritis encephalitis virus (CAEV) using recombinant gag proteins: studies among small ruminant populations in northeastern Nigeria. *Small Rum Res.* 37: 137-140.
 77. **Baba, MM.**, Ajayi B.B. and Ekanem, I. (2000). Prevalence of hepatitis B surface antigen among patients suspected of a liver disease in a Nigerian hospital. *Nigerian postgraduate Medical Journal* Vol. 7, No.3,91-95.
 78. Moses, AE.,Chikwem, J., **Baba, MM.** (1998-1999): Human immunodeficiency virus and Tuberculosis among patients with lower respiratory tract infection in in Maiduguri, Nigeria. *Annals of Borno.* 15/16, 283-288.
 79. **Baba, MM.** And Omotara, BA. (1999). Attitudes, knowledge and perception of Acquired Immunodeficiency Syndrome (AIDS) among adolescents in north eastern Nigeria.*J. Life&Environ. Sci.*, 1(2): 53-58.
 80. **Baba, MM.**, Onwuka, IS., Baba, SS. (1999): Hepatitis B and C virus infections among pregnant women in Maiduguri, Nigeria.*Central Europ. J. Pub. Hlth.*,7(2): 60-62.
 81. **Baba, MM.**, Moses, AE., Adewole, KA., Ajayi, BB (1998). Detection of hepatitis B virus surface antigen and antibodies to Human Immunodeficiency virus among carriers and non carriers of sickle cell trait in Maiduguri, Nigeria. *Nigerian Med J.*Vol. 39, No. 2 :25-27.
 82. **Baba, MM**, Moses, A.E., Ajayi, B.B. (1998): Serological evidence of *Brucella abortus* infections in patients suspected of typhoid fever. *Nig. Med. Practioner.* 35(1/2): 9-11.
 83. Baba, SS., El-Yuguda, AD., **Baba, MM.** (1998): Serological evidence of mixed infections with Newcastle disease and egg drop syndrome 1976 viruses in village chickens in Borno state, Nigeria. **Trop. Vet.**, 16: 137-141.
 84. **Baba, M. M.**,Gashau, W. Hassan, A. W. (1998): Detection of hepatitis B surface antigenemia in patients with and without the manifestations of acquired immunodeficiency syndrome in Maiduguri, Nigeria. *Nigerian Postgraduate Medical Journal*, Vol.5, No. 3: 125-128.
 85. Akpede, GO, Ambe, JP, Rabasa, AI., Akuhwa, TR., Ajayi, BB. **Akoma, MB**, Bukbuk, DN., Harry, TO (1997): Presentation and outcome of HIV-1 infection in hospitalized infants and other children in north-eastern Nigeria.*East Afr. Med. J.*, 74(1): 21-27.
 86. Baba SS, Tekki S., **Akoma, MB.** (1996): Preliminary survey for antibodies against selected viral causes of diarrhoea in slaughter camels (*Camelusdromedarius*) in Bornostate., Nigeria. **West Afr. J. Biol. Sci.**, 4(1): 56-62.
 87. Harry, TO., Bukbuk, DN., Idrisa, A., **Akoma, MB.** (1994): HIV infection among pregnant women: a worsening situation in Maiduguri, Nigeria. *Trop. Geo. Med.*, 46 (1): 46-47.
-

Baba, Marycelin

88. Ambali, AG., Baba, SS., Yaduma, AF., **Akoma, MB.** (1994): Detection of rinderpest virus antibody in slaughtered camels (*Camelus dromedarius*) imported to Nigeria using agar gel immunodiffusion and complement fixation tests. *West Afr. J. Biol. Sc.*, 2(1&2): 86-8.
89. Baba, SS., Bobboi, AG., **Akoma, MB.**, Osiyemi, TIO. (1994): Slaughter house survey for antibodies against selected viruses in ruminant sera in Maiduguri, Nigeria. *J. Trop. & Subtrop.*, 2: 55-62.
90. **Akoma, MB.**, Baba, S.S. (1994): Survey for infectious bursal disease virus antibody in free-range and commercial birds in Borno state, Nigeria. *Studies & Res. Vet. Med.* 3: 46-48.

TRAINING

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|------------|---|
| June 2009 | Certificate for successful participation of the practical course on “Bioinformatics: Computer methods in Molecular Biology” at International Centre for Genetic Engineering and Biotechnology, Trieste, Italy, |
| May 2006 | Certificate for successful completion of Advanced vaccinology course by Foundation Merieux, Annecy, France in partnership with University of Geneva, |
| April 2006 | Certificate of participation in WHO training- Serological diagnosis of measles infection in Yusuf Dantsoho Memorial Hospital, Kaduna 24-28 |
| July 2006 | Certificates for attending a tour of the Polio Laboratory and observed demonstration of pipette calibration at National Institute for Communicable diseases (NICD), South Africa |
| 2003 | Certificate of completion of Alliance Francais in Dakar during 2002/2003 session |
| 2001 | Diploma in Computer Programme Applications in 2001 |
| 1999 | Training Workshop (Three weeks) on the Laboratory diagnosis and monitoring of Yellow fever, Measles and Polio, Nogushi Memorial Medical Research Institute, University of Ghana, Legon, Ghana, sponsored by WHO/JICA |
| 1996 | Certificate Course in Health Planning Management, University of Maiduguri, Maiduguri, Nigeria. |

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INVITED TALKS / PRESENTATIONS

1. **Marycelin Baba** (2021): Presented a talk titled ‘Facts and Benefits of Covid 19 vaccination’ during the North East Zonal Town Hall Meeting held in the Banquet Hall, Government House, Yola on Tuesday, 08 June 2021
 2. **Marycelin Baba** (2021): Presented a talk titled ‘the impact of Covid 19 vaccines on the pandemic’ during second College of Medical Sciences Day celebration held on 17-18 May, 2021 at University of Maiduguri
 3. **Marycelin Baba**, Bamidele Oderinde, Erick Cardenas, Tea Carletti and Alessandro Marcello (2019): Unexpectedly large number of virus isolates from febrile patients in northeastern Nigeria. To be presented during the 2019 Keystone Symposia Conference on Positive-Strand RNA Viruses (E2) conference to be held in INEC, Killarney Convention Centre, Killarney, Co. Kerry on June 9 - June 13, 2019
 4. **Marycelin Baba** (April 02-06 2018): The Environment we create feeds back: The way forward. Presented during the Health week organized by Medical Laboratory Science Students, University of Maiduguri, Nigeria
 5. **Marycelin Baba**, Jandouwe Villinger, Daniel K. Masiga (2016): The importance of entomological investigations in containing arbovirus outbreaks: A lesson from East Africa. Presented during the Pan-African mosquito control Association 3rd Annual conference in Haraton Hotel, Logos
 6. **Marycelin M. Baba**, Jandouwe Villinger, Rosemary Sang, Daniel Masiga (October 25-29 2015) Has Rift Valley Fever virus evolved to increased virulence in human population after existence for a century in East Africa? Presented during the 64th Annual Meeting of ASTMH held at Philadelphia Marriott Downtown Philadelphia, Pennsylvania, USA .
 7. **Marycelin Baba**, Jandouwe Villinger and Daniel Masiga (8th -13th March 2015): Persistent outbreaks of dengue outbreaks in Eastern Africa:A proposed new approach to reduce its impact presented during the Gordon Research Conference on Tropical Infectious Diseases (Challenges, Opportunities and Successes) held at Hotel Galvez, Galveston, Texas, USA(**Poster**).
 8. **MM Baba and Michael Ayivor**: Polio vaccination in Nigeria: The ‘good’, the ‘bad’ and the ‘ugly’ (August 20-22, 2012. Presented during the 2nd World Congress on Virology at EmbassySuites, Las Vegas, USA (**Talk**))
 9. **Marycelin Baba**, Christopher H. Logue, Bamidele Oderinde, HauwaAbdulmaleek,Joshua Williams, Alessandro Marcello, Pierlanfranco and Roger Hewson (August 20-22, 2012):Arbovirus co-infections in suspected febrile malaria and typhoid patients: A worrisome situation in Nigeria. Presented during the 2nd World Congress on Virology at Embassy Suites, USA
 10. **Baba, MM Exploring the Technologies of Laboratory Science for Social Change: a possibility in Nigeria?** (22-25th August 2011): During 47th annual scientific conference of the Association of Medical Laboratory Scientists of Nigeria at Makurdi, Benue State Nigeria (**Talk**).
 11. **MM Baba** (28th-29th June 2012): The Impact of the Emergency Plan on Polio Laboratory. Presented during the 18th Informal Consultation on the Global Polio Laboratory Network at Geneva, Switzerland (**Talk**).
 12. **Baba, MM**, Haruna, BA, Ogunmola, O, Ambe, JP, Shidali, NN, Oderinde,B, Marcello, A and Talle, M (January 15-20, 2011): Thermostability of Oral Polio Vaccine and Updated Survey of the Neutralizing Antibody Profile to Different Serotypes of Polioviruses Among Children in Maiduguri, Nigeria presented during the 40th Keystone Symposia Meeting at Vancouver, British Columbia, Canada (**Poster**)
 13. **MM Baba** (17th -19th October 2011): Resolving Discrepant Results presented during Polio Laboratory Directors Workshop and Technical Supervisors at Harare, Zimbabwe (**Talk**)
 14. **MM Baba** (13th-14th October 2010): Update on the Role of the Laboratory Network in Polio Eradication in Nigeria. Presented during the 22nd Meeting of Expert Review Commiittee on Polio Eradication in Nigeria (**Talk**).
 15. **Baba, MM** (10-12 February 2010): Poster presentation on Arbovirus infections in Febrile patients suspected of malaria and typhoid in Nigeria during International Centre for Genetic Engineering and Biotechnology-IUBMB on Human RNA Viruses at ArunaAsaf Ali Marg, New Delhi, India which took place (**Poster**)
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16. **Baba, MM** (8-10 February 2010): Differential Diagnosis of Febrile illness for arbovirus infections from suspected cases of malaria/typhoid in Nigeria during the 'NTD 2009' conference in the CalousteGulbenkian Foundation in Lisboa (Portugal) and included workshops on 'Biomedical side at NTD' 'Translational Research on NTD' as well as 'Economic Aspects on NTD' (**Talk**)
17. **Baba, MM** (25th -27th September 2008): VIRAL HAEMORRHAGIC FEVER IN NIGERI: EASILY CONFUSED WITH MALARIA/TYPHOID. Poster presentation at the Neglected Tropical Diseases (NTD) Conference and Workshops on NTD Research priorities; Ethics and Research as well as Research Proposal Writing at Centre Charles Merieux in Bamako (Mali) (**Poster**).
18. **Baba, MM, Omotara, B A Ambe, JP** (April 30-May 2 2007):EVALUATION OF MEASLES VACCINES IN NORTHEASTERN NIGERIA. Presented during the 10th Conference on Vaccine Research at Marriot Water Front hotel, Baltimore, Maryland. (**Poster**).
19. **M M Baba** (21 – 25 November 2005): Marie-Francois Saron, J.A. Adeniji, Vorndan Vance, M.M Daura: Ecological effect on dengue virus infections in Nigeria. Presented during Third World Organization for Women in Science (TWOWS) 3rd General Assembly and International Conference on Women's Impact on Science and Technology in the new millenium to be held in Bangalore, India, (**Poster**).
20. **MM Baba:** (19- 21 April 2005): Activities, achievements, constraints and the needs of National Polio Lab , Maidugiri, Nigeria (Also chaired one of the sessions) during the Meeting to Review the Quality of Supervisory Procedures of the African Polio Laboratory Network held at Sheraton Hotel Harare, Zimbabwe . (**Talk**)
21. **M M Baba** (March 2-4, 2005): Marie-Francois Saron; OusmaneDiop; Christian Mathiot ; Adeniji, J A and Olaleye, O D: West Nile Virus in Infected Mosquitoes and Febrile Patients in Sahel Savanna Zone, Nigeria presented at the Association of Public Health Laboratories Infectious Diseases-Emerging Responses, held at Grosvenor Resort, Orlando, Florida, USA (**Poster**)
22. **MM Baba** (19-21 July 2004): Quality control activities in the Polio Laboratory Network- Cell culture issues and challenges presented during 8th Annual Meeting of Directors and Tenical Supervisors of WHO/AFRO Polio Laboratory Network, held at Nairobi, Kenya. (**Talk**).
23. **MM Baba, W Gashua, A W Hassan** (January 21st –24th 2004,): Detection of Hepatitis B surface antigenemia in patients with and without the manifestations of AIDS in Maiduguri, Nigeria presented during the world conference on "Securing Treatment and Care for People Living with HIV: Low-Income Countires Where are we Now" , held at Florence, Italy organized by the Italian Society for Infectious and Tropical Diseases (**Talk**).
24. **Marycelin Baba**, Jandouwe Villinger and Daniel Masiga (8th -13th March 2015): Persistent outbreaks of dengue outbreaks in Eastern Africa:A proposed new approach to reduce its impact presented during the Gordon Research Conference on Tropical Infectious Diseases (Challenges, Opportunities and Successes) held at Hotel Galvez, Galveston, Texas, USA(**Poster**).

PERSONAL INTEREST

Singing, dancing and writing

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