



OTUONYE Ngozi Mirabel

Chief Medical Laboratory Scientist
HOU, Clinical Diagnostic Laboratory Unit

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Mrs. Ngozi Mirabel Otuonye joined NIMR in July, 1996 as a Senior Medical Laboratory Scientist. She presently holds Master of Philosophy in Medical Microbiology. She has been identifying the challenges to conducting future HIV vaccine trials with adolescents and their associated challenges which include the use of community-based approach, parental concerns, adolescence recruitment, retention and informed consent in Nigeria. She became the HOU of Central Laboratory and Environmental Sanitation Unit in 2009.

Schools attended with Qualifications obtained:

University of Benin, Benin City, Nigeria	2005-2009,	(M.Phil: Medical Microbiology)
Institute of Biomedical Science, London	1996,	(Medical Microbiology)
Edo State University Ekpoma, Edo State,	1993-1995	(M.Sc: Medical Microbiology)
School of Medical Laboratory Science, Lagos University Teaching Hospital. Idi-Araba, Lagos, Nigeria	1991 - 1992.	(FIMLT: Bacteriology)
University of Calabar Teaching Hospital, Nigeria	1984 -1988.	(AIMLT: Haematology & Blood Transfusion Science).
Atta Girls Secondary School, Ikeduru Owerri, Imo State	1977-1982	(WASCE)

Work Experience:

2009-date	Central Laboratory and Environmental Sanitation Unit, Nigerian Institute of Medical Research. Position: Chief Medical Laboratory Scientist & Head of Unit:
2008-2009	Clinical Science Division- (Development of Clinical Science Division's Laboratory) Position: Chief Medical Laboratory Scientist
1996-2008	Molecular Biology & Biotechnology Division, Nigerian Institute of Medical Research Positions held: Senior, Principal, Assistant Chief, and Chief Medical Laboratory Scientist.
1993-1996	Irrua Specialist Teaching Hospital, Edo state, Nigeria Position: Medical Laboratory Scientist 1 HOU: Haematology and Blood bank
1989-1992	Inem Diagonistic Laboratory Services, Lagos, Nigeria Position: Medical Laboratory Scientist 11

1989-1990 National Youth service: Obafemi Awolowo University Teaching Hospital Ile-Ife, Oshun State.

Appointments:

?	EDTCP Scientific Review Committee Member	2009-2013
?	NIMR Senior Management Committee Member	2009-present
❖	NIMR Management Tender's Board Member	2009-Present
❖	NIMR Finance Management Committee Member	2009-present

Grant Award

(EDCTP) CB. 10. 41302.027:

Establishment of RECs and Capacity Building of Human Resources and Infrastructure in Nigeria.

Consultancy and Research collaborations:

- ❖ FHI/Nigeria Global HIV/AIDS Initiative. 2007
- ❖ Phase 111 Randomized Savvy (Microbicides) Clinical Trial in collaboration with FHI North Carolina USA. 2004-2006
- ❖ Evaluate Training of Doctors and Nurses on Syndromic Management of STIs in Nigeria. (Family Health International, 2004-2005).
- ❖ Producing Training Manual on Laboratory Tests for Diagnosis and Monitoring HIV infections in Nigeria 2004
- ❖ Producing directory of National Inventory of HIV Stake holders in Nigeria. 1st Edition, 2005

Technical competences:

- ❖ Laboratory diagnosis of Sexually Transmitted Infections & HIV.
- ❖ General blood banking procedures
- ❖ Use of QBC, Reflotron, and Cyflow for analysis of blood samples and Facscount system for CD4+ count
- ❖ Training of staff on Laboratory diagnosis of HIV/STIs, GLP and development of SOPs
- ❖ Coordinating laboratory support services for Counseling/Testing and HIV clinical care (GHAIN, 2007)
- ❖ Supervising quality control assessment and represent GHAIN on issues of Laboratory management of HIV/AIDS
- ❖ Setting up: HIV Unit and Blood bank (ISTH Edo State 1994-95) and Clinical Science Division Laboratory (NIMR 2009)
- ❖ Microbiology skills in aseptic technique, streak plating and bacterial culture.
- ❖ RNA and DNA extraction from body fluids and tissues samples.
- ❖ Publishing in peer-reviewed journals
- ? Conducting administrative functions in my unit.
- ❖ Assessing abstracts for International Conference on AIDS and Sexually Transmitted Infections (ICASA, 2005) and AMLSN 46th Annual Scientific Conference and International Symposium (2010)
- ❖ Chairperson, Conference registration committee of AMLSN 46th Annual Scientific Conference and International Symposium (2010)

Community Development Activities:

Involved in training of teachers, in Secondary Schools on the Role of Schools on Sex Abuse, Prevention and Intervention in Lagos State Nigeria.

Participate as a facilitator in Seminars and Workshops on STIs/HIV/AIDS preventions, behavioral change interventions and Reproductive Health issues for Youths, Men and Women in Churches and Universities, in Lagos State, Nigeria.

Research and Publication:

- ❖ Otuonye NM, Olukoya DK, Odunukwe NN, Bamidele M et al (2002). HIV Association with Conventional Sexual Transmitted Diseases in Lagos, Nigeria. WAJM. 21. 1. April June.
- ❖ Smith SI, Otuonye NM, Omonigbehin E. et al (2002). Prevalence of Campylobacter species amongst HIV/AIDS patients in Nigeria. BJBS 59 16. 2-3.
- ❖ Emele EF, Agbonlahor DE, Okoroma NM, and Fadahunsi AA. (2004). Comparative study on Vaginal

Candidiasis in two dissimilar regions of Nigeria Sokoto and Epkoma. Journal of Applied and Basic Sci. 2. 29-32.

- ❖ Anorlu AI, Odunukwe N N. Otuonye NM, et al (2004). Prevalence of HIV among women with vaginal discharge in a Gynaecologic clinic in Lagos. JMNA 96. 367-
- ? Uwah A, Ekong E, Akinsinde K Otuonye N and Iwalokuin B (2005). Improved Immunological Values in HIV/AIDS Patients on Combined ARV/Antihelminthic Therapy. Retrovirology 2(Suppl 1): S133doi:10.1186/1742-4690-2-S1-S133
- ❖ Otuonye NM, Odunukwe NN, Smith SI, Chigbo RC, Idigbe EO et al (2004). Aetiological agents of vaginitis in Nigerian Women. Br. J Biomed Sci 61.
- ? Smith S I, Odunukwe NN, and Otuonye NM, Idigbe E.O et al (2004). Diagnostic methods for typhoid fever in Nigeria. Br.J. Biomed Sci. 61
- ❖ Otuonye NM, Odunukwe N.N, Onwuatuelo FI, Adeneye A.K, Idigbe E.O, et al (2006). Knowledge, Perception and Acceptability of Microbicides amongst Health Care givers in Lagos, Nigeria. Br. J. Biomed Sci. 63.
- ? Adeiga A, Oyekunle O, Oladele O, Smith S, Idika N, Oyedeji KSO, Niemogha MT and Otuonye MN (2006). Randomized Control Trial of Savvy and HIV in Nigeria [NIMR 2006 Annual Report](http://www.nimr.gov.ng/_areports/2006.pdf) www.nimr.gov.ng/_areports/2006.pdf
- ? Idika N, Onwuatuelo I.R, Otuonye NM, Adeiga AA (2007). Possible challenges for Access of Microbicides into the Nigerian Society. The Canadian J. of Infect. Dis & Med. Micribiology. 8. Mar -April.
- ❖ Niemogha MT, Odunukwe NN, Smith SI, NM Otuonye et al (2008). Antibiotic susceptibility of Salmonella Typhi and evaluation of outer membrane proteins as a molecular index of baseline titre for typhoid fever in Lagos Nigeria. IJMAT. 4.
- ❖ Otuonye NM. (2008). Evaluating Adolescent Attitude towards HIV Vaccine Clinical Trial in Nigeria. AIDS Res. and Human Retroviruses 24. Sup.1.
- ❖ Idika N, Otuonye NM, Niemogha M.T. (2008). Nigerian Religious Leaders Knowledge, Attitude and Perception of HIV Vaccine. AIDS Res. & Human Retroviruses. 24. Sup.1.
- ❖ Otuonye NM, Onwuatuelo RT, Onwuamah CK, Okwuzu JO, Adeneye AK, Oparaugo C.T, Adesesan AA, Akintunde GB., Fowora MA, Smith SI and Idigbe EO. The 14th Conference on Retroviruses and Opportunistic infections (CROI 2007). (868) Examining the Trends of Sexual Abuse and Coercion in Association withHIV/STIs:retroconference.org/2007/data/files/94377_Pocket_Guide_LR_revised.pdf
- ❖ Otuonye NM, Enabulele OI, Smith SI, Aluyi HSA and Onwuamah CK. Prevalence of STIs/HIV in Female Prostitutes in Lagos Nigeria. Accepted (8/3/2010) West African journal of medicine www.wajm.org

Concluded studies:

- ❖ The role on Male Circumcision in the spread of HIV infection in Nigeria
- ❖ Vaginal infections in HIV/AIDS women with abnormal vaginal discharge in Lagos, Nigeria.
- ❖ Vaginal Products and Hygiene Practices: Implications for Microbicides acceptability among Nigerian Women.

Work in Progress:

- ❖ Evaluating parents consent for their wards and community preparedness in HIV vaccine trial in Nigeria.
- ❖ Molecular Epidemiology of Thalassemia as a predictive/predisposing factor to HIV and Malaria in Nigeria.

Scholarship Award and Paper Presented at Conferences:

- ? International Conference on AIDS and Sexually Transmitted Infections, Kenya Sept., 2003. Paper presented: HIV Association with Conventional Sexual Transmitted Diseases in Lagos, Nigeria.
- ? The 2nd Biannual Conference on Microbicides in London, March 2004. Paper presented: Knowledge, Perception and Acceptability of Microbicides amongst Health Care givers in Lagos, Nigeria.

- ❖ 12th Conference on Retroviruses and Opportunistic infections Boston USA Feb, 2005- A participant
- ❖ 16th Biennial Conference on Sexually Transmitted Infections. Amsterdam July, 2005. Paper presented- Aetiological agents of vaginitis in Nigerian Women.
- ❖ AIDS Vaccine, Montreal, Canada Sept., 2005 Paper presented- Knowledge, Attitude and Perception of HIV Vaccine Development and Clinical Trial in Nigeria.
- ❖ International Conference on Women and Infectious Diseases CDC Atlanta, March, 2006: Participated as a member of ICWID leader.
- ❖ 14th Conference on Retroviruses and Opportunistic Infections Los Angeles Feb, 2007. Paper presented: Sex abuse and HIV/STIs in young Girls and Women: Trends and Association in Western, Nigeria.
- ? 11th Annual Conference on Vaccine development and update Baltimore, May, 2008. Paper presented: Evaluating Adolescent Attitude towards HIV Vaccine Clinical Trial in Nigeria.
- ❖ AIDS Vaccine Conference, Cape Town, South Africa. Oct., 2008 A participant
- ❖ International Conference on AIDS and Sexually Transmitted Infections. Senegal, West Africa, 3-7th 2008. Paper presented: Vaginal Products and Hygiene practices: Implications for Microbicides acceptability among Nigerian Women.
- ❖ Keystone symposium Colorado USA. 22-28 March, 2009. A participant
- ❖ 5th Biennial EDCTP Forum in Arusha, Tanzania from 11-14th October, 2009. Paper presented: Microbial infections in HIV/AIDS women with abnormal vaginal discharge in Lagos, Nigeria.
- ❖ International Union Against Sexually Transmitted Infections World Congress. 9-12th November, 2009 Cape Town, South Africa. Paper presented: A survey of STIs/HIV in Female Prostitutes in Lagos Nigeria
- ❖ Keystone symposium. (HIV Vaccine) Fairmont Banff Springs, Alberta, Canada. March 21- 26, 2010. A participant
- ❖ Microbicides, 2010 conference, Pittsburgh, Pennsylvania USA, May 22-25, 2010. Paper presented -Risk factors Associated with Female Commercial Sex Workers in Lagos Nigeria
- ❖ 46th Annual Scientific Conference and International Symposium, Nigeria. Sept. 13-18th 2010
- ❖ AIDS Vaccine, Georgia, USA, Sept 28th -Oct 2nd, 2010. Paper presented- Adolescents' Perception of HIV vaccine trial in Nigeria

Some Trainings and Workshops attended:

- ❖ Training conducted by National Health Institute USA on Reduction of Global Health Diseases. Johannesburg & Durban August 2-6th 2010.
- ❖ Ethics on Malaria and HIV Vaccine trial in Nigeria. Organized by Nigerian Institute of Medical Research Yaba, Lagos Nigeria, June, 2009.
- ❖ Writing an Acceptable Abstract : Braking Grounds by Health Communication & Development Initiative, NIMR, July, 2009
- ❖ Laboratory Surveillance of Diseases Markers by Epi Info organized by the African Health Project. NIMR Yaba. July, 2009
- ❖ Ethical standards in Health Research Organized by Nigerian Institute of Medical Research Yaba, Lagos Nigeria 2008
- ❖ Community Engagements in Health Research Organized by Nigerian Institute of Medical Research Yaba, Lagos Nigeria, 2008
- ❖ Scientific Training Workshop on Research Methodology, Proposal writing. Organized by Nigerian Institute of Medical Research Yaba, Lagos Nigeria 2008
- ❖ Update on Laboratory diagnosis of Sexually Transmitted Infections and HIV/AIDS. 7th April 2008. Inst. of Genetic Chemistry and Lab. Medicine Ibadan, Nigeria.
- ❖ Techniques of Molecular Biology and Biotechnology. Aug., 2008. Applied Biotech Ins., Covenant University Ota, Ogun State, Nigeria.
- ❖ Overview of Facscount, Cyflow, QBC, and Reflotron system for specimen processing. FHI Abuja, March, 2007.
- ❖ Taking HIV Care and Support services to the people. FHI, Abuja. March, 2007.
- ❖ Medical Laboratory Management and Antirtoviral therapy programme. 13th Nov, 2007 , Medical Council of Nigeria, 8 Harvey Rd, Yaba, Lagos

- ❖ Taking HIV Care and Support services to the people. FHI, Abuja. March, 2007.

- ❖ Advanced Management workshop for senior staff. NIMR, 28th-30th Nov. 2007
- ❖ Medical Laboratory Management and Antirtoviral therapy programme. 13th Nov, 2007 , Medical Council of Nigeria, 8 Harvey Rd, Yaba, Lagos
- ❖ Savvy (Microbicide) core laboratory Staff training on ELISA & Western blot. 24TH-26TH Aug., 2005
- ❖ The use of phage Amplification Technology in the Diagnosis of Pulmonary Tuberculosis, NIMR, Yaba, Lagos, 2005
- ❖ Drug-Resistant TB Surveillance, NIMR in Collaboration with Global TB programme WHO, Geneva. 2005
- ❖ Symposium on DOTS Implementation in South-west Nigeria. 2005, NIMR, Lagos.

Current research interest: Evaluating the Risks in HIV- 1 transmission in Discordant Relationships in Nigeria as well as TB and HIV vaccine clinical trials

Memberships:

- ❖ Fellow - The Institute of Medical Laboratory Council Nigeria
- ❖ Member - Institute of Biomedical Science, London
- ❖ Member - The Health professions Council London
- ❖ Member - International Union against STIs (IUSTI)
- ❖ Member - International Society of Infectious Diseases (ISID)

Interests:

- ❖ Lawns tennis
- ❖ Short put
- ❖ Music