

## **CURRICULUM VITAE**

### **PERSONAL**

NAME : Fatorma K. Bolay, (Ph.D.)  
DATE OF BIRTH : May 12, 1952  
PLACE OF BIRTH : Bolahun, Lofa County, Republic of Liberia, W/A  
MARITAL STATUS : Married, with five (5) children

### **EDUCATION**

1983-1989 : Doctor of Philosophy-Immunology and Infectious Disease. (Medical Entomology) The Johns Hopkins University, School Hygiene and Public health, Baltimore MD. USA.

1984 (Summer) : Certificate-Summer Graduate program in Epidemiology, the Johns Hopkins University School of Hygiene and Public Health. Baltimore MD. USA.

1979-1980 : University of Bridgeport, Bridgeport, CT., USA (M.Sc. – Parasitology).

1972-1975 : Cuttington University College, Suacoco, Liberia (B.Sc. General Science).

1971-1972(Feb.) : Bong Mining Vocational Training School, Bong Mines, Liberia (Electricity).

1959-1970 : Elementary and High School - Holy Cross Mission, Bolahun, Lofa County, Liberia (Diploma).

### **EXPERIENCE**

March 2014 to Dec 2014 : Technical Advisor for Ebola Outbreak in Lofa County- Responsible for

- Coordination of Lofa County Ebola Response Activities
- Epidemiological Investigation of New Ebola Cases
- Ebola Case Contact Tracing
- Training of Burial Team
- Establishing and Monitoring of Kolahun District Isolation Unit for new arrival in Kolahun District

2008-2012 : Institutional Principal Investigator: - Conduct of Phase 3 Moxidectin Clinical Trial in Lofa County Liberia: *A single dose, ivermectin-controlled, double-blind, efficacy, safety and tolerability study of orally administered Moxidectin in subjects infected with Onchocerca volvulus*

2009 to Date : Chairman, National Research Ethics Board, Republic of Liberia

2006 (September) to Date : Director – The Liberia Institute for Biomedical Research (LIBR)

27 Dec. '98 - 8 Feb. '99 : Facilitator and Coordinator of Rapid Epidemiological Mapping of Onchocerciasis in Liberia

- July-December 1997 : Medical Consultant, Emergency Health Intervention In and Around Monrovia - WHO Liberia
- Nov. 1996-May 1997 : Medical Coordinator, UNHCR-HACO Disarmament and Demobilization. Responsible for:
- Medical logistics
  - Coordinating health related activities at demobilization sites.
  - Preparation of Epidemiological reports
- 1996- : Member of WHO Expert Committee on Malaria and Tropical diseases control.
- 1991-1996 : Disease Prevention and Control Officer, WHO Country Team, Liberia. Responsible for:
- Health needs assessment during emergencies
  - Malaria/Tropical Disease Surveillance
  - Investigating disease outbreaks
  - Coordinating and planning communicable disease control activities during war emergency situation in Liberia
- Monitor HFA Global and AFRO Indicators relating to epidemic and endemic diseases with special attention to malaria, onchocerciasis and EPI/CDD disease surveillance
  - In collaboration with the Ministry of Health organize disease prevention and control training seminars/workshops and meetings to strengthen management at Central, intermediate District Levels of health services and activities.
  - Initiate operational research into Disease prevention and Control in collaboration with Government, Donor Agencies and National and International NGOs.
  - Training of district Health workers in malaria and other tropical disease control strategies.
- 1992 Oct.-93 March : Emergency Health Operations Coordinator in the Office of the World Health Organization Representative - Liberia during the civil war. Responsible for:
- Planning and conducting emergency health needs assessments, preparing reports and making recommendations for quick interventions.
  - Community Water and Sanitation activities.

- Resources and community mobilization in catering to war victims, displaced persons and refugees.
  - Mobile Medical Team activities.
  - Blood Safety and Blood Transfusion activities.
  - War casualty disposal activities.
- 1989 - 1991 : Deputy Research Coordinator/Chief Medical Entomologist, the Liberian Institute for Biomedical Research. Responsible for:
- Assisting the Director, with scientific and operational aspects of running of the Institute.
  - Coordinating vector-borne diseases research activities in Liberia.
- 1989 - (March-July) : Scientist-Newborn Screening laboratory Department of Health and Medical Hygiene, Baltimore, MD.21201.
- Screening newborns for thyroid disorders.
- 1988 - July 1989 : Teaching Assistant - Vector Ecology, Department of Immunology and Infectious Diseases, School of Hygiene and public health, the Johns Hopkins University, Baltimore, Md.
- 1986 - 1987 : Lecturer - Microbiology and parasitology, Cuttington University College, Suakoko, Bong County, Liberia
- 1986 - 1987 : Medical Entomologist, LAMCO, Yekepa Malaria Research Project - Liberian Institute for Biomedical Research. Responsible for:
- Vector parameters of the research project. i.e. vector density, man biting rate, taxonomy, infectivity, etc.
- 1982 - 1983 : Director-Disease Control, Bureau of Preventive Services, Ministry of Health and Social Welfare, Monrovia, Liberia
- Planning and supervising disease Control Activities.
  - Working along with other programme managers in the Ministry of Health to coordinate activities of their individual programmes relevant to disease control activities.
  - Organizing training programmes for mid-level health workers in diseases control strategies.
  - Surveillance/monitoring of endemic diseases and collaborating with WHO in outbreak investigation.

- 1981 : Research Associate - The Liberian Institute for Biomedical Research
- Onchocerciasis Project. Responsible for:
    - Vector catching activities.
    - Determining vector biting rates.
    - Determining vector infectivity
    - Data analysis.
- 1980-1981 : Supervisor, - Cholera Unit, Division of Disease Control Bureau of Preventive Services, Ministry of Health and Social Welfare, Monrovia, Liberia. Responsible for:
- Mobilizing communities in the area of Environmental Sanitation activities.
  - Collecting and analyzing cholera data and reporting to the Bureau.
  - Surveillance of cholera in communities in Monrovia and supervising community based chlorination activities.
- 1980 : Research Associate, The Liberian Institute for Biomedical Research-Schistosomiasis Survey in Northern Liberia. Responsible for:
- Ecology of Transmission of Schistosomiasis in Swamp Rice Development Project, i.e. vector collection and analyzing stool and urine sample for schistosomiasis.
  - Identifying water contact site transmissions and assisting to developing appropriate health education messages and strategy for the prevention of transmissions.
- 1978 : Research Officer-Bureau of Statistics, Ministry of Planning and Economics Affairs - Liberia. Responsible for:
- Collecting data during a national household expenditure survey.
- 1976 - 1977 : Science Mathematics Instructor, Bolahun Episcopal Mission, Lofa County, and Monrovia Consolidated School System, Monrovia, Liberia.

**PROFESSIONAL/WORKING EXPERIENCE**

- 1994 (September) : Malaria Control Programme Managers Workshop, Kampala, Uganda.
- 1993(6-9 July) : Workshop on orientation of WHO Country Team Epidemiologists, Brazzaville, Congo.
- 1991(21-25 October) : Interregional Meeting on Malaria Control in Africa, Brazzaville, Congo.
- 1990(16-25 April) : Workshop on Newer methods in the isolation, Characterization and Evaluation of Biopesticides, Nairobi, Kenya.
- 1989(27 Nov-6 Dec) : Workshop on field Research methods in Tropical Diseases. Younde, Cameroon.
- 1988(29 Feb-3 March) : Coordination Workshop on Bacterial Control of Agricultural insect Pests and the Vectors of Human Diseases at Engedi, Israel. (Presentation - Effectiveness of Bacillus thuringiensis var isrealensis on Rice Field Mosquitos in Liberia, West Africa.
- 1986(March) : Sixth African Association for Insect Scientists, International Conference Center, Monrovia, Liberia.
- 1983(July) : Facilitator - Workshop/Applied Research Methodology - IDRC, Canada sponsorship. Held in Monrovia, Liberia.
- 1983(March-April) : Course in Training of Middle Level managers in Primary Health Care Combating Childhood Communicable Diseases. (Workshop/CDC USA) Monrovia, Liberia (Certificated).
- 1982 : Training Course in Medical Epidemiology, Banjul, The Gambia
- 1981 : Course in Applied Research Methodology, WHO sponsored - Held in the Gambia.

### PROFESSIONAL AFFILIATIONS

- 1988 : Society for Invertebrate Pathology
- 1984-Present : Entomological Society of America
- 1984-Present : Helminthological society of Washington
- 1984-Present : American Public health Association
- 1983 : Liberia Public Health Association

### PUBLICATIONS

Doctoral Thesis :  
Biological control and Fauna Assessment of Anopheles gambiae. Vector of malaria Breeding in Rice Field in Liberia, West Africa.

Evaluation of Bacillus thuringiensis var isrealensis (Bti) and Tilapia nilotica (fish) against Rice Field Mosquito, Israel Journal of Entomology Vol XXIII (1989) pp.77-82, 1989.

Chlorine Efficacy Test in VOA Displaced Camp Montserrado County Liberia  
Freeman T and Bolay FK

Chlorine Efficacy Test in VOA Vahun, Lofa County Liberia  
Freeman T and Bolay FK

Chlorine Efficacy Test in VOA Bong and Grand Bassa County  
Freeman T, Bolay FK, and Vohm B

The Seasonality and Ecology of the *Anopheles gambiae* complex (Diptera: Culicidae) in Liberia  
Using Molecular Identification

N. T. FAHMY,<sup>1,2</sup> J. T. VILLINSKI,<sup>1</sup> F. BOLAY,<sup>3</sup> C. A. STOOPS,<sup>4</sup> R. A. TAGELDIN,<sup>1</sup> L. FAKOLI,<sup>3</sup>  
O. OKASHA,<sup>1</sup> P. J. OBENAUER,<sup>4</sup> AND J. W. DICLARO II<sup>1</sup>

Xenosurveillance: a novel mosquito-based approach for examining the human-pathogen landscape".  
Grubaugh ND, Sharma S, Krajacich BJ, Fakoli L S, Bolay FK, Diclaro JW, Johnson WE, Ebel GD, Foy  
BD, Brackney DE. PLoS Negl Trop Dis. 2015 Mar 16;9(3)

Laboratory and Field Evaluation of New Rapid Test Detecting *Wuchereria bancfti* antigen in human  
blood; Gary Weil, Kur C. Curtis, Lawrence Fakoli, Kertstin Fischer, Lincoln Gankpala, Patric Lammie,  
Andrew Majewski, Sonia Pelletreau, Kimberly Y. Won, Fatorma Bolay and Peter Fisher

**MANUSCRIPTS:**

Fauna and Ecology of Mosquito Larvae Breeding in Rice Field in Liberia.  
Containment of Epidemics during the Civil War in Liberia.

**REFERENCES:**

1. Dr. Emmet Dennis, President University of Liberia
2. Dr. Walter T. Gwenigale, Minister of Health and Social Welfare, Liberia
3. Dr. Gary Weil, Washington University Medical School, Department of Infectious Diseases; St. Louis, Missouri USA
4. LT Joseph Diclaro USA Naval Research Unit -3 Cairo Egypt
5. Dr. Milan Trpis, Professor, Department of Immunology & Infectious diseases, School of Hygiene and Public Health, The Johns Hopkins University, Baltimore 615 North Wolfe St., Baltimore MD. 21205.
6. Dr. Robert W. Gwadz, Senior Scientist, United States Public Health Services, Malaria, Section, laboratory of Parasitic Disease, national Institute of Allergy and Infectious Diseases.
7. Dr. T. Ruth Tshabalala, Director of Health Promotion, World Health Organization, Harare, Zimbabwe
8. Dr. Ivan Camarnor, Executive Director. National AIDS Commission, Republic of Liberia
6. Dr. Joseph M. Kamara, World Health Organization Representative, Monrovia, Liberia.