

**HIMIEDE WEDE WILSON-SESAY**  
**M. Phil. Field Epidemiology and Laboratory Training**  
**Scholar Boston and University of Liberia Emerging Epidemic Virus Research (BULEEVR)**

**PERSONAL DATA**

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Current Address	Case Western Reserve University, Cleveland, Ohio
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**RESEARCH PROFILE**

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<https://www.researchgate.net/profile/Himiede-Wilson> (Research Interest score 63.1; citations 115, h-index 4)

ORCID public record: <https://orcid.org/0000-0001-8400-6511> (19 peer-reviewed articles)

[Scopus Author ID: 57196276953](#)

**EDUCATION**

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**Doctor of Philosophy (PhD), Epidemiology and Biostatistics (Candidate) August 2023 ----present**

*Case Western Reserve University, School of Medicine, Department of Population and Quantitative Health Sciences*

**Master of Philosophy (M.Phil.), Applied Epidemiology and Disease Control September 2014 - July 2016**

*University of Ghana, School of Public Health, Ghana Field Epidemiology and Laboratory Training Program, Accra, Ghana*

**Bachelor of Science (BSc) in Biology (minor in Chemistry) March 2007 – July 2012**

*University of Liberia, T.J.R Faulkner College of Science and Technology, Monrovia, Liberia*

**RESEARCH INTERESTS**

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- Evaluation of health care system and health system policies
  - Healthcare inequalities
  - Epidemiology of infectious diseases
  - Antimicrobial-resistant pathogens
  - Antimicrobial stewardship

**RESEARCH EXPERIENCE**

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**Manuscript Development Coordinator August 2018 - December 2021**

- Designed protocols for program-specific research, supervised data collection, and performed an analysis of data
- Assisted trainees in developing protocols and supervised the conduct and analysis of planned studies
- Served as coordinator for manuscript development by ensuring, scientific field reports were developed and submitted to scientific peer-reviewed journals for publication

**TEACHING EXPERIENCE**

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**Facilitator And Mentor February 2017 – March 2018**

*Liberia Field Epidemiology Training Program, African Field Epidemiology Network, Liberia*

- Conducted in-class field epidemiology training for the selected public health workers
- Provided mentorship and supervision trainees during the field placement periods to ensure the attainment of essential field epidemiology skills and competencies
- Participated in disease surveillance, outbreak investigation, and response activities along with the trained surveillance officers
- Supported trainees in preparing scientific presentations of key findings and recommendations from their field projects for dissemination at the local and national levels

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**Part-Time Lecturer**

**October 2016 – February 2017**

*University of Liberia (T. J. R. Faulkner College of Science and Technology, Department of Biology), Liberia*

- Lectured undergraduate courses in biology
- Supported senior students to conduct their thesis in line with personal academic interests and fulfillment of faculty development requirements
- Assisted in the development of 400 level Biology course modules, preparation of schemes of work, and maintenance of records intended to monitor students' progress and/or achievements
- Participated in the development of syllabi for Bachelor of Public Health and Master of Public Health programs at the College of Health Sciences

**WORK EXPERIENCE**

**Field Epidemiologist**

**April 2018 -present**

*Liberia Field Epidemiology Training Program, African Field Epidemiology Network, Liberia*

- Support the review and adoption of existing field epidemiology curriculum and training materials for health workers in Liberia
- Conduct in-class field epidemiology training for surveillance officers to support the Global Health Security Agenda
- Provide technical support to trainees during investigation and response to public health threats
- Coordinate the planning and implementation of the Executive Field Epidemiology Training Program for medical doctors
- Support the Division of Infectious Disease and Epidemiology of the National Public Health Institute of Liberia in the development and/or updating of standard operating procedures and tools for epidemic intelligence-related activities
- Coordinate institutionalization activities of the Liberia Field Epidemiology Training Program with the National Public Health Institute of Liberia

**Epidemiologist**

**October 2016 – March 2018**

*Division of Infectious Disease and Epidemiology, National Public Health Institute of Liberia*

- Supervised county surveillance teams to effectively ensure accurate and timely reporting of Integrated Disease Surveillance and Response information
- Performed epidemiological analyses and, interpretation for weekly and quarterly surveillance, bulletins and conducted situational analyses
- Monitored and evaluated reporting indicators of priority disease at the national, county, and district levels and shared findings with stakeholders
- Served as National Project Coordinator for the implementation of an Acute Flaccid Paralysis (AFP) (A.V.A.D.A.R.) pilot project in Montserrado County with partners (WHO & e-Health)
- Coordinated public health disease or event outbreak investigation and response with other partners
- Served as the National Public Health Institute of Liberia focal point for integration of multi-drug resistant tuberculosis under the Integrated Disease Surveillance and Response system

**Laboratory Chemist**

**January 2013 – July 2013**

*Liberty Investment Limited, Redhill Field, Liberia*

- Monitored water and sachet roll production to ensure they met national and international manufacturing standards
- Served as liaison officer between the company and the National Standards Laboratory as well as other international laboratories to ensure the maintenance of quality
- Mentored newly employed laboratory staff

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**Health and Sanitary Officer**

**June 2008 – December 2011**

*Global Water Supply and Sanitation Inc, Paynesville, Liberia*

- Supported the development and use of methodologies for health and sanitation project implementation
- Conducted hygiene promotions in communities with the ongoing implementation of water and sanitation projects
- Collated field data, wrote reports, and disseminated to local and international partners
- Supported residual spraying of homes and chlorination of public water sources

**VOLUNTEER**

**Disease Investigator**

**November 2012 – July 2014**

*Division of Disease Prevention and Control, Ministry of Health, Liberia*

- Conducted investigation of suspected and confirmed outbreaks of Liberia priority diseases
- Supported the conduct of risk assessment, monitoring, and information-sharing of events that may constitute a public health emergency of international concern
- Collated, analyzed, interpreted, and developed weekly epidemiological bulletins for dissemination to stakeholders

**SCHOLARSHIPS & AWARDS**

***West African Health Organization (WAHO), 2014***

- Scholarship awarded to three students of Liberia to pursue a Master's in Applied Epidemiology and Disease Control at the University of Ghana

***Boston University and University of Liberia Emerging and Epidemic Virus Research Program (BULEEVR), 2021***

- Scholarship awarded to five Liberian scientists for a research training program that offers a pathway to pursue a Doctor of Philosophy (Ph.D.) in basic, translational, and public health research

**REFERENCES**

Patricia L Hibberd, MD PhD  
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