

Roblena E. Walker, PhD

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EDUCATION

Global Health Delivery Certificate

Harvard University, Cambridge, MA, October 2017

Doctor of Philosophy - Public Health

Walden University, June 2012

Doctor of Philosophy - Biology – 30 credits

Clark Atlanta University, Atlanta, GA

Bachelor of Science in Biology, May, 2006

South Carolina State University, Orangeburg, SC

INSTRUCTIONAL DESIGN EXPERIENCE

- Designs and develops instructional materials and/or curricula related to laboratory quality systems, safety, and technical standards
- Develops instructional strategies and instructional media content based upon target audience analysis
- Applies performance-problem analysis and instructional technology techniques among all generated material
- Employs learning theories as they relate to the systematic design, development, and validation of instructional material for targeted audience
- Conducts evaluation of informational and instructional material
- Performs revisions and any necessary edits based on evaluation results
- Performs project management duties, including the management of multidisciplinary teams that include high-level content specialists, authorizing officials, web specialists, and other necessary project team members

PUBLIC HEALTH AND EPIDEMIOLOGICAL RESEARCH EXPERIENCE

- Writes and publishes research findings
- Conducts analysis including statistics and longitudinal analysis of outcomes using a variety of data analysis tools, such as SPSS and SAS
- Identifies and analyzes public health issues and their impact on public policies or scientific studies or surveys
- Consults, monitors, and measures the outcome of assigned programs through studies that evaluate the effectiveness of subject activities in meeting the needs of program participants.

- Analyzes project implementation procedures for improvement, while working with program specialists and/or scientists
- Provides scientific advice and technical assistance to various public, private and/or nonprofit health and/or health-related agencies and organizations for specific programs or issues
- Participates in the syntheses of social science and epidemiologic data to be applied toward designing effective prevention programs and practice guidelines
- Utilizes statistical techniques commonly used in epidemiologic evaluations

HEALTHCARE CURRICULUM DEVELOPMENT EXPERIENCE

- Develops Doctoral and Masters level healthcare leadership and healthcare administration courses for online universities
- Develops leadership course curriculums to bridge the gap between healthcare and public health

Sample of Curriculum Development Experience o

BS/MS – Biosafety 101

o BS/MS – Blood Borne Pathogens o

DrPH – General Public Health Specialization o

DrPH – Community Health Behavior and Promotion

o DHA – Strategic Management in Health Care

o MPH – Learning to Lead in Public Health Settings: Personal and Team Development o

MPH – Public Health Leadership and Administration o MHA – Health Care Consumerism

and Marketing o MHA – Health Administration Change and Leadership

WORK AND RESEARCH EXPERIENCE

Western Governors University

March 2018 – Present

Salt Lake City, Utah

College of Business – Healthcare Management

Course Instructor

- Acts as a steward for carrying out WGU’s mission and strategic vision
- Demonstrates a high level of commitment effectively and consistently
- Provides expertise in assigned content area and maintains current knowledge within the discipline
- Fosters student learning through innovative teaching practices and mentoring
- Responds with urgency to meet student needs and communicates professionally and respectfully with students and all other members of the WGU community
- Offers proactive support and outreach to assigned students
- Uses technology-based teaching and communication platforms to aid students in the development of competencies

○ **Current Courses Taught:**

- Financial Resource Management in Healthcare
- Healthcare Quality Improvement and Risk Management
- Healthcare Management and Strategy

Centers for Disease Control and Prevention

November 2016 – December 2017

Atlanta, GA

Division of Preparedness and Emerging Infections National Center for Emerging and Zoonotic Infections Diseases

Scientific Instructional Designer – Contractor

- Develops scientific and instructional design e-learning courses for labs and clinics nationwide, focusing on principles of biosafety, risk assessment, blood borne pathogens and hazard control
- Works with subject matter experts to design, develop and deploy e-learning courseware content for an array of self-paced learning modules delivered electronically
- Converts presentations and classroom based learning to e-Learning and blended learning formats
- Performs quality testing on courseware
- Works with end users to gather feedback and enhancement requests for e-Learning modules

Center for Professional Academic Consulting, LLC

July 2015 – Present

Minneapolis, MN

Curriculum Developer – Laboratory Science and Healthcare

- Reviews and prepares grant proposals for colleges and universities
- Serves as an Subject Matter Expert in laboratory science and healthcare management
- Provides scientific and instructional design services to College and University Labs focusing on principles of biosafety, risk assessment, blood borne pathogens and hazard control
- Develops healthcare curriculum for colleges and universities
- Trains online, technical, and traditional universities professor on the development of laboratory and healthcare curriculum offerings
- Ensures that academic programs meet the defined learning outcomes through implementation of student learning outcomes assessments.
- Assist colleges and universities with the accreditation process to include preparation, program development and evaluation and institutional effectiveness.

Sample of Curriculum Development Experience ○ BS/MS

– Biosafety 101 ○ BS/MS – Blood Borne Pathogens ○

- DrPH – General Public Health Specialization
- DrPH – Community Health Behavior and Promotion
- DHA – Strategic Management in Health Care
- MPH – Learning to Lead in Public Health Settings: Personal and Team Development
- MPH – Public Health Leadership and Administration
- MHA – Health Care Consumerism and Marketing
- MHA – Health Administration Change and Leadership

Capella University

Minneapolis, MN

School of Nursing and Health Sciences

Faculty/Dissertation Mentor/Scientific Merit Reviewer/Course Developer- Public Health and Healthcare

July 2013 – December 2016

- Served as a dissertation mentor and committee member for Professional Doctorates and PhD learners
- Served as a Scientific Merit Reviewer for Professional Doctorates and PhD learners to ensure the quality and integrity of dissertation research
- Served as Subject Matter Expert in the development of public health and healthcare leadership course curriculums to bridge the gap between healthcare and public health
- Taught a minimum of two online public health courses, demonstrating knowledge of adult learning theory and practices, to include learning contracts, collaborative learning, and active learning strategies
- Built an online community conducive to the spirit of learning and continuous improvement in a positive, learner-focused environment
- Ensured that learners received quality educational experiences consistent with stated course and specialization outcomes
- Assessed learning through feedback, coaching, and interpersonal skills

○ **Courses Taught:**

- DrPH – General Public Health Specialization
- DrPH – Community Health Behavior and Promotion
- DHA – Strategic Management in Health Care
- MPH – Learning to Lead in Public Health Settings: Personal and Team Development
- MPH – Public Health Leadership and Administration
- MHA – Health Care Consumerism and Marketing
- MHA – Health Administration Change and Leadership

Centers for Disease Control and Prevention

Atlanta, GA

Division of Preparedness and Emerging Infections National Center for Emerging and Zoonotic Infections Diseases

Molecular Biologist/Research Scientist - Contractor

June 2009 – September 2011

- Executed research into the development of diagnostic real-time polymerase chain reaction (PCR) detection assays and reverse transcription polymerase chain reaction (RT-PCR) for bioterrorism threat agents such as Ebola and Marburg Viruses
- Performed serological testing; Serum antibody testing Staphylococcal Disease, *Bacillus anthracis* (anthrax) antibodies, *Rickettsia*, and Francisella tularensis
- Authored scientific manuscripts for research studies related to diagnostics for bioterrorism agents;
- Assessed scientific manuscripts and standard operating procedures (SOP's) for biological threat agents through the use of writing and editing
- Served as project leader on the evaluation of three Real-time PCR Chemistries for the detection of *Bacillus anthracis* Spores
- Ensured compliance with federal regulatory requirements for biosafety laboratories 2 and 3.
- Prepared Standard Operating Procedures (SOPs)
- Included data analysis and management concepts to include a basic knowledge of principles and techniques related to the analysis, presentation, and exchange of data.
- Communicated with a variety of lab/organizations in the scientific community.
- Assessed and developed materials designed to communicate to the scientific community.
- Trained summer students on the components of Real-time PCR & the functionality of the lab equipment through the use of training materials and hands-on-training
- Ensured the lab maintained cleanliness and order by creating a lab clean up log that ensured trash was properly stored, freezers were defrost as necessary and refrigerators were cleaned of expired samples
- Developed reports, charts, summaries through the use of Microsoft Office suites and other computer software packages
- Analyzed data through calculations, interpreted data and reported results through data management procedures
- Utilized a variety of specialized tools, equipment, and materials to carry out procedures, methods, and practices in support of one or more of the biological sciences
- Performed biological science work or support work in various scientific and public health areas associated with numerous biological agents.
- Performed experiments in accordance with approved and validated analytical methods and procedures.
- Assisted in the day-to-day management of the laboratory.
- Composed written communications to prepare responses for inquiries, reports, proposals, etc. ▪ Provided program consultation and respond to inquiries.

Clark Atlanta University – Atlanta, GA

October 2012 – October 2013

Cancer Center for Research and Therapeutic Development (CCRTD) Research

Fellow - GRA Eminent Scholar Endowment

- Executed cutting edge research in prostate cancer with the application of serology, genotyping, molecular biology, cell biology, protein purification and related techniques

- Performed cell culture and Western Blot from prostate cancer samples
- Collaboratively worked with research investigators affiliated with the CCRTD in the areas of growth factor signaling, transcriptional regulation, genomics, prostate cancer invasion, metastasis and angiogenesis
- Identified methods and procedures to collect data, and conducts experiments and studies, making adjustments in methods and procedures as appropriate during the course of the studies or experiments
- Applied knowledge of the technical rules and procedures applying to scientific projects and programs to document and prepare analyses and reports of findings for tests and studies
- Participated in innovative workforce and professional development sessions focused on biomedical science

EMAGAHA, INC – *Non-Profit*

September 2011 – Present

Atlanta, GA

Chief Executive Officer

- Leads, in conjunction with the Board, the development and execution of the Corporations’ strategy, mission, and vision
- Oversees the implementation of the Corporation’s long and short term plans in accordance with its strategy
- Ensures the Corporation is appropriately organized and staffed
- Ensures that expenditures of the Corporation are within the authorized annual budget of the Corporation
- Provides STEM (Science, Technology, Engineering, and Mathematics) curriculum training to educators
- Implements core program, MADE in STEM™ : Mentoring Among Diverse Ethnicities in Science, Technology, Engineering, and Mathematics Program in various elementary, middle, and high schools
 - Reviews and prepaers grant submissions

Williamsburg Technical College

September 2009 – September 2011

Kingstree, SC

Adjunct Hybrid Instructor

- Taught online/hybrid biology and healthcare courses per established guidelines
- Developed general healthcare administration curriculum and courses
- Assisted in the development of the healthcare program
- Communicated students' progress to student and appropriate personnel in accordance to established guidelines
- Collaborated with peers and the School of Arts, Health, and Sciences in regard to development, implementation, and evaluation of the program of learning, teaching in the classroom
- Participated in academic advising and counseling and maintained accurate records of students’ progress

Messages of Empowerment Productions, LLC

January 2010 – January 2011

Atlanta, GA

Behavioral Health Evaluation Intervention Specialist - Internship

- Evaluated public health programs or issues and the application of the knowledge of behavioral and social science theories, methods and techniques to the analysis of public health issues and formulation of policy or program development and evaluation
- Conducted data analyses and reported results through the use graphic tables and charts to communicate results
- Designed, lead, implemented and conducted major scientific surveys/studies, research or projects to identify and solve public health problems
- Researched, synthesized and interpreted information relevant to public health
- Gathered data and coordinated evaluation data with others to develop program guidelines, goals, plans, and strategies;
- Developed qualitative and quantitative methods and strategies for planning, evaluating, and documenting program activities;
- Presented research findings, prepared project reports, wrote publications,
- Served as Project Coordinator for Girls Empowered and Motivated to Succeed (GEMS)
- Developed Modules for implementation use for GEMS
- Participated on monthly GEMS program meetings with the U.S. Department of Health and Human Services Office on Women’s Health

Clark Atlanta University

August 2006 – August 2008

Atlanta, GA

Biology and Healthcare Instructor

- Provided instruction for students that enabled them to learn and achieve to the maximum of their abilities in healthcare and biology courses
- Wrote course curricula, course materials, and delivered lectures orally to undergraduate students
- Planned, evaluated, and revised curricula, course content, and course materials and methods of
- Advised students on academic and vocational curricula, and on career issues
- Trained students on methods and laboratory techniques through hands-on-training
- Conducted scientific research which utilized a variety of serological testing such as ELISA on the OAS1 cancer genome

PUBLICATIONS

- **Walker, R.E.** *Perceptions of HIV/AIDS testing among urban and rural African American church members.* jGPHA (2015) Vol 5, No. 1.

- **Walker, R.E.**, Petersen, J.M., Stephens, K.W., and Dauphin, L.A. Optimal swab processing recovery method for detection of bioterrorism-related *Francisella tularensis* by real-time PCR. 2010 *J Microbiol Methods*. doi: 10.1016/j.mimet.2010.07.015.
- Dauphin, L.A., **Walker, R.E.**, Petersen, J.M. and Bowen, M.D. Comparative evaluation of automated and manual commercial DNA extraction methods for detection of *Francisella tularensis* DNA from suspensions and spiked swabs using real-time PCR. *Submitted. Diag Microbiol Infect Dis* (2010)
- **Walker, R.E.**, Evans, A., Ghogomu, T., and Chaudhary, J. 2', 5'-Oligoadenylate Synthetase 1 (OAS1) expression and function in prostate cancer. *AACR Meeting Abstracts, Apr 2008; 2008: 4562.*

SKILLS SET FROM EXPERIENCE

Public health research & evaluation • Mixed methodology • Healthcare Management •
 Project management • data management and analysis • infectious disease and cancer research • research
 methodology • survey design and implementation • statistical analysis • scientific, technical, & report writing
 • oral presentations • module development • planning and implementation of studies • grant and proposal
 writing • innovative tool development and problem solving

SOFTWARE SKILLS

Statistics and Surveys—NVIVO, SPSS, SAS,
 Developmental surveys Publishing - Adobe Acrobat
 Microsoft Office—Word, Excel, Access, PowerPoint, Outlook, Publisher

VOLUNTEER SERVICE

- The Georgia Campaign for Adolescent Power & Potential - (GCAPP)
 - 7 Bridges to Recovery – Atlanta, GA
 - Jerusalem House – Atlanta, GA
- AID Atlanta – Atlanta, GA ▪ United Way – Atlanta, GA

AWARDS/HONORS

- Capella University School of Public Service Leadership Phenomenal Award, 2014
- Who's Who in Black Atlanta, 2014
- Who's Who in Black Atlanta, 2012
- CDC Division of Preparedness and Emerging Infections (NCEZID) Certificate of Appreciation, 2011
- CDC Division of Preparedness and Emerging Infections (NCEZID) Honor Award, 2010

PRESENTATIONS/SEMINARS/PUBLIC SPEAKING

- STEM Mentoring Workshop – Howard University – August 2018
- STEM Mentoring Panelist – Douglas County High School – February 2018
- Empowerment Series – Fountain Elementary School – March 2017
- Health Disparities Conference – Howard University – February 2017
- Empowerment CEO Workshop – EMAGAHA, INC. – October 2016
- American Public Health Association 142nd Annual Meeting – Public Health and HIV/AIDS – 2014
- Carver Junior High Black History Program – 2014
- Unionville Church – HIV/AIDS Awareness Day - 2011
- Greater Travelers Rest Baptist Church – HIV/AIDS Prevention Seminar - 2011
- Carver Junior High Public Health Career Day, Spartanburg, SC - 2010
- Walden University, Madrid Residency – Public Health Seminar - 2010
- Walden University, Hawaii Residency – Public Health Seminar - 2009
- 4th Annual National Symposium on Prostate Cancer at Clark Atlanta University – 2008
- Biomedical Research Journal Club, Clark Atlanta University - 2008
- Congressman James E. Clyburn Meeting on Environmental Institute’s Policy Planning Group - 2006

PROFESSIONAL ASSOCIATIONS

American Public Health Association • American Society for Microbiology • ALARA Action Research Action Learning Association, Inc • Alpha Kappa Alpha Sorority, Inc.
• Association for Prevention Teaching and Research • Beta Kappa Chi National Scientific Honor Society •
Worldwide Who’s Who