

CURRICULUM VITAE

Tekeda Freeman Ferguson, MPH, MSPH, PhD

Current Title: Assistant Professor
Business Contact: Louisiana State University Health Sciences Center
School of Public Health
Epidemiology Program
2020 Gravier St., 3rd Floor
New Orleans, LA 70112
Office: (504) 568 - 6036
Fax: (504) 568 - 5701
E-mail: tferg4@lsuhsc.edu

Home Contact: 5744 Sutton Place
New Orleans, LA 70131
Home: (504) 872 - 0492
Cell: (850) 449 - 9071

EDUCATION

B.S.	Tulane University, Newcomb College, New Orleans, Louisiana Chemistry	1996
M.P.H.	Tulane University, School of Public Health and Tropical Medicine, New Orleans, Louisiana Health Communication/Education	1997
M.S.P.H.	University of Alabama at Birmingham, Alabama, Birmingham, Alabama Epidemiology	1998
Ph.D.	University of Alabama at Birmingham, Alabama, Birmingham, Alabama Epidemiology <i>Dissertation: Generalizability and Predictability of the Metabolic Syndrome Factors of Non-Insulin Dependent Diabetes Mellitus (NIDDM)</i>	2007
Fellowship	American Heart Association, Tahoe City, California Epidemiology and Prevention of Cardiovascular Disease Tahoe Fellow	2009
Fellowship	National Institute of Health National Heart Lung Blood Institute Washington University in St. Louis, School of Medicine Cardiovascular Genetics and Epidemiology Fellow (Dr. D.C. Rao)	2016 - 2017

CERTIFICATION

Certified Health Education Specialist (C.H.E.S. #7206)

DEVELOPMENT ACTIVITIES

Training Workshops and/or Education Conferences

Utilizing Medicare/Medicaid Data for Research. Centers for Medicare & Medicaid Services (CMS). National Training Program. Minneapolis, Minnesota, 2015.

Evidence-Based Public Health: A Course in Chronic Disease Prevention. Louisiana Department of Health, Public Health, Prevention Research Center. National Association of Chronic Disease Directors. Baton Rouge, Louisiana. July, 2017.

Population Genetics. Cardiovascular Genetics and Epidemiology Summer Fellow, National Institute of Health National Heart Lung Blood Institute, Washington University in St. Louis, School of Medicine (2016 – 2017).

Diversity Training. Postbaccalaureate Research Education Program (PREP) in Biomedical Sciences Diversity Training Workshop for Graduate Faculty. Louisiana State University Health New Orleans. New Orleans, Louisiana. May 21, 2018.

Race Round the Table. Diversity Workshop, Louisiana State University School of Medicine. New Orleans, Louisiana. September 26, 2019.

Continuing Education

- Red Cross First Aid/CPR, Certification (2019)
- Biological Safety and Bloodborne Pathogens, LSU Health Sciences Center (2017)
- HIPAA Privacy, DHH Safety and Health/Loss Prevention and LSU Health Sciences Center (2019)

ACADEMIC, PROFESSIONAL, AND RESEARCH APPOINTMENTS

2000 - 2003 *Research Assistant*
University of Alabama at Birmingham, Birmingham, Alabama
School of Medicine, Department of Preventive Medicine, Coronary Artery Risk
Development in Young Adults Coordinating Center (Dr. Catarina Kiefe and Dr. O'Dale
Williams)
- Quality Control Consultant and Quality Control Coordinator, Data Collector
Trainer for Physical Exams and cohort study visits, data analytics, site monitor

2003 – 2005 *Instructor*

University of Alabama at Birmingham, Birmingham, Alabama
School of Public Health, Epidemiology

- 2003 – 2005 *Statistical Center Data Manager/Epidemiologist*
University of Alabama at Birmingham, Birmingham, Alabama
School of Public Health, Department of Biostatistics (Dr. George Howard)
-Designed and developed multi-site data entry systems for clinical trial studies.
Monitored data quality and coordinated data safety monitoring board reporting.
- 2007 – 2008 *Adjunct Faculty*
Pensacola junior College, Pensacola, Florida
Department of Mathematics
- 2008 – 2010 *Adjunct Faculty*
University of West Florida, Pensacola, Florida
School of Allied Health, Department of Biology/Master of Public Health Program
- 2008 – 2011 *Tenure Track Assistant Professor*
Saint Louis University, St. Louis, Missouri
School of Public Health, Department of Community Health/Epidemiology
- 2011 – 2015 *Adjunct Assistant Professor*
Saint Louis University, St. Louis, Missouri
School of Public Health, Department of Community Health/Epidemiology
- 2011 – 2019 *Research Assistant Professor*
Louisiana State University Health Science Center, New Orleans, Louisiana
School of Public Health Epidemiology Program
- 2015 – Present *Secondary Appointments, Louisiana State University Health Science Center*
Alcohol and Drug Abuse Center of Excellence
- 2019 – Present *Tenure Track Assistant Professor*
Louisiana State University Health Science Center, New Orleans, Louisiana
School of Public Health Epidemiology Program
- 2019 – Present *Secondary Appointments, Louisiana State University Health Science Center*
School of Medicine, Department of Physiology

Membership in Professional Organizations

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|--|----------------|
| American Public Health Association | 2000 – Present |
| Epidemiology Section | 2008 – Present |
| American Heart Association | 2008 – Present |
| Council on Epidemiology and Prevention | 2008 – Present |
| Stroke Council | 2008 – Present |
| Society for Epidemiologic Research | 2009 – Present |

American College of Epidemiology	2011 – Present
Association of Women in Science	2014 – Present
Research Society on Alcoholism	2017 – Present

Awards and Honors

Louisiana State University Health Sciences Center	3 rd Place Student Research Award	1997
American Heart Association	Student Scholar Award	1998
Congressional Black Caucus	Public Health Fellow	1998 – 1999
University of Alabama at Birmingham	Delta Omega, Abstract Competition Winner	1999
University of Alabama at Birmingham	Comprehensive Minority Faculty and Student Development Program Fellow	1998 – 2002
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Network of Minority Health Research Investigators (NMRI) South Regional Workshop	Junior Investigator Travel Award	2018
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), Network of Minority Health Research Investigators (NMRI) National Meeting	Junior Investigator Travel Award	2019

TEACHING EXPERIENCE AND RESPONSIBILITIES

University of Alabama at Birmingham

Curriculum Development/Implementation

Graduate Course Developer and Director

<i>Principles of Epidemiology</i> (Saint Louis University, Public Health)	2011-2012
<ul style="list-style-type: none"> 3 credit graduate asynchronous on-line curriculum; Created syllabus, lecture slides, lecture notes, audio visual recordings, and on-line chat room discussion boards and assignments; Managed and facilitated on-line learning environment for first on-line course for epidemiology program. 	
<i>Advanced Epidemiology Methods II</i> (LSUHSC-Public Health)	2014 - Present
<ul style="list-style-type: none"> 3 credit graduate lecture and laboratory; Spring; Created syllabus, lecture slides, lecture notes, in-class lab assignments, homework, and group projects. 	
<i>Cardiovascular Disease Epidemiology</i> (LSUHSC-Public Health)	2017 - Present
<ul style="list-style-type: none"> 3 credit graduate lecture; Spring; Created syllabus, lecture slides, lecture notes, in-class exercises, homework's, and group projects. 	

<i>Clinical Epidemiology Laboratory</i> (LSUHSC – School of Medicine)	2017 - 2019
<ul style="list-style-type: none"> • 1 credit undergraduate laboratory; Summer; Created syllabus, slides, and in-class lab assignments and software demonstrations. 	
<i>Tiger Scholars Introduction to Epidemiology</i> (LSUHSC – School of Medicine)	2019
<ul style="list-style-type: none"> • 1 credit undergraduate; Summer; Created syllabus, slides, and in-class assignments. 	
 <u>Graduate Course Director</u>	
<i>Introduction to SAS Statistical Software</i> (UAB- Public Health)	2003 - 2005
<ul style="list-style-type: none"> • 3 credit graduate lecture and laboratory; Summer; Updated lecture notes and quizzes, facilitated lectures and laboratory assignments. 	
<i>Introduction to Data Collection and Data Management</i> (UAB- Public Health)	2004 - 2005
<ul style="list-style-type: none"> • 3 credit graduate lecture and laboratory; Spring; Updated lecture notes, facilitated lectures, laboratory assignments and group projects. 	
<i>Introductory Statistics</i> (Pensacola Junior College)	2007 - 2008
<ul style="list-style-type: none"> • 4 credit graduate lecture; Spring; Facilitated lectures, created lecture notes, assignments, and exams. 	
<i>Introduction to Public Health</i> (UWF – Biology/MPH)	2008 - 2010
<ul style="list-style-type: none"> • 3 credit undergraduate and graduate on-line asynchronous class; created lectures, lecture notes, assignments, and exams. 	
<i>Principles of Epidemiology</i> (SLU-Public Health)	2008 - 2011
<ul style="list-style-type: none"> • 3 credit graduate lecture; Fall; Updated lecture notes and quizzes, facilitated lectures and laboratory assignments. 	
<i>Chronic Disease Epidemiology</i> (SLU-Public Health)/ (LSUHSC-Public Health)	2008 - 2011/ 2011 - Present
<ul style="list-style-type: none"> • 3 credit graduate lecture; Spring; Created lecture notes. 	
<i>Advanced Epidemiology Methods</i> (SLU-Public Health)	2009 - 2011
<ul style="list-style-type: none"> • 3 credit graduate lecture; Spring; Created lecture notes. 	
<i>Epidemiology Capstone</i> (SLU-Public Health)	2010 - 2011
<ul style="list-style-type: none"> • 3 credit graduate lecture; Spring; Updated lectures and/ lecture notes, and identified and coordinated group projects. 	
<i>Advanced Epidemiology Methods I</i> (LSUHSC-Public Health)	2012 - Present
<ul style="list-style-type: none"> • 3 credit graduate lecture and laboratory; Spring; Created syllabus, lecture slides, lecture notes, in-class lab assignments, homework, and group projects. 	
<i>Epidemiology Seminar</i> (LSUHSC-Public Health)	2015, 2016
<ul style="list-style-type: none"> • 1 credit graduate seminar; Spring; Coordinated speakers across a semester theme and provided additional lectures. 	

Undergraduate Course Director

Biostatistics Prep Course (UWF-Biology MPH)

2008 - 2009

- No credit, supplemental, asynchronous on-line curriculum; Created lecture slides, lecture notes, audio visual recordings, and on-line chat room discussion boards.

Introductory Statistics (Pensacola Junior College)

2007 - 2008

- 3 credit graduate lecture and laboratory; Fall and Spring; Created lecture notes homework assignments, and exams.

Interprofessional Education Facilitator

Team Up Interprofessional Education Experience: Developmental Delays (LSUHSC)

2016 - Present

- LSUHSC Team Up Inter-professional Educational (IPE) Program; 3-credit graduate public health curriculum (20 hrs./yr.); 10-35 students/yr.; Assisted in creating an Alcohol case study for IPE health graduate experience.

Undergraduate Teaching Assistant

Principles of Epidemiology (University of Alabama at Birmingham)

1999 - 2000

- 4 credit graduate course; Graded homework, exams, tutored students, taught a guest lecture, and facilitated the laboratory sessions.

Chronic Disease Epidemiology (University of Alabama at Birmingham)

2000

- 4 credit undergraduate course; Graded homework and exams and provide two guest lectures.

Introduction to SAS and Statistical Software (University of Alabama at Birmingham)

2000 - 2001

- 3 credit undergraduate lecture and lab; Graded exams and tutored students.

Departmental / Interdisciplinary Teaching Conferences

Department Guest Lectures

Social Epidemiology Course (EPID – 6352) - Guest Lecture

Introduction to Community Based Participatory Research.

Louisiana State University Health Sciences Center, School of Public Health

Spring 2014,
2016, 2018, 2020

Introduction to Global Public Health (PUBP -6300) - Guest Lecture

Chronic Disease Around the World: CVD, Diabetes.

Louisiana State University Health Sciences Center, School of Public Health.

Fall 2016

Department Seminars

Epidemiology Seminar (EPID – 6213) - Guest Lecture

Spring 2012

Assessing Regional and Racial Differences in the Association of Stroke Incidence with Smoking Intensity and Smoking Tax. Louisiana State University Health Sciences Center, School of Public Health.

- Epidemiology Seminar (EPID – 6213) - Guest Lecture Fall 2016
Assessments of Alcohol Consumption in the Aging in Louisiana: Immunosenescence, HIV, & SocioEnvironmental factors (ALIVE) Study. Louisiana State University Health Sciences Center, School of Public Health.
- Physiology Perspectives on Alcohol Research (PAR) Seminar Spring 2018
Crash Course on Alcohol Consumption, Patters of Drinking, & Other Facts. Louisiana State University Health Sciences Center, School of Medicine.
- Physiology Perspectives on Alcohol Research (PAR) Seminar Spring 2020
Alcohol Consumption, Measurement, Patters of Drinking, & the NOAH Study. Louisiana State University Health Sciences Center, School of Medicine.

Students Trained

Major Professor

Dissertation Committee Chair, and Dissertation Committee Member
PhD Major Professor, Lu Zhang 2017 (Dissertation Award Winner)
Title: “Chemotherapy Utilization and Breast Cancer, Survival, by Race and Tumor Subtype”

Research Advisor -Dissertation Committees

PhD Committee Member, Symielle Gaston, MPH (LSUHSC, 2016)
Title: “Socioeconomic Status, Psychosocial Stress and Depressive Symptoms in Women”
Current Position: National Institute of Environmental Health Sciences (NIEHS)

PhD Committee Member, Danielle Legeai, MPH (LSUHSC, 2019)
Title: “The Effects of Neighborhood Environment on Asthma, Perceived Stress, and Telomere Length in Youth”
Current Position: Washington State Department of Health

PhD Committee Member, Dayana Rojas, MPH (LSUHSC, 2019)
Title: “ Healthcare-Associated Infections in People Living with Human Immunodeficiency Virus (HIV)”
Current Position: University of Miami School of Medicine

PhD Committee Member, Vincent Maffei (LSUHSC, 2019)

Title: "Alcohol-associated Intestinal Dysbiosis and CD8+ T-cell Activation and Immunosenescence during HIV Infection"

Current Position: LSU Medical School Student

Graduate Research Project Advisor

Rubalcava, Daniel (SLU, MSPH 2009) Title: "Hospital Admission for Acute Asthma Exacerbation in Obese Versus Non-Obese Children".

Greevy, Jon (SLU, MSPH 2010) Title: "Rapid Opt-Out HIV Screening in a Pediatric Emergency Department: An Implementation and Improvement Trial".

Lehmann, Gloria (SLU, MPH 2010) Title: "Enuresis Associated With Sleep Disordered Breathing in Children With Sickle Cell Anemia".

Olorunda, Olufemi and Lui, Weijian (SLU, MPH 2011) Title: "Effect of the Perception of the Built Environment on the use of Mass Transit and Physical Activity in older adults".

Dupuis, Megan (LSUHSC, MPH 2014) Title: "New Orleans Vaccine and Spay/Neuter Compliance Survey".

Rayeed, Nabil (LSUHSC, MPH 2014) Title: "Survey of Patient's Perspective on the Decision Making Process for Implantable Cardioverter Defibrillators (ICD)".

Seals, Katherine Jane (LSUHSC, MPH 2015) Title: "Oral Public Health in Louisiana".

Harbin, Brittney (LSU, MPH 2018) Title: "Efficacy of a Holistic Behavioral Intervention in Reducing Risky Coping Mechanisms Among Persons Living with HIV".

Beckett, Sadie (LSU, MPH 2018) Title: "Assessing the Effectiveness of a Behavioral Intervention to Increase Knowledge of Alcohol and Decrease Alcohol Consumption among People Living With HIV".

Sawadogo, Wendemi (LSU, MPH 2019) Title: "Differences in Hypertension Prevalence and Control by Alcohol Use Severity Among People Living with HIV".

Beauchamp, Alicia (LSU, MPH 2019) Title: "Examining the Association between Violent School Environment and Sexual Risk Behavior Among Youth".

Practicum Advisor

Cutting-Egger, Allison (Tulane University School of Public Health and Tropical Medicine, MPH 2013).

Louisiana Department of Health and Hospitals, Chronic Disease Unit

Title: "Chronic Disease Epidemiology in Louisiana's Office of Public Health: A Practicum Experience".

Mentor

Postdoc Mentor (LSUHSC 2016-2017)

Danos, Denise MPH, PhD

LSUHSC Summer Youth Research Internship Program Mentor

Kharalampiev, Alexandra, Tulane University, Project: A Comparison Between Phosphatidylethanol and Self-Reported Alcohol Use in the WELL Program. (Summer 2017).

Post baccalaureate Research Education Program (PREP) Mentor
Datri, Paula – Summer 2018 Rotation

Research Project (LSUHSC 2018-2019)

Kumar, Sunayana Udaya, LSUHSC, Epidemiology, Project: Non-invasive Maneuvers for Evaluation of Diastolic Dysfunction in Patients with Exertional Dyspnea

Research Project (LSUHSC 2018-2019)

White, Simone, LSUHSC, Epidemiology, Project: Examining Self-Efficacy and Readiness to Change in Regards to Alcohol Use Disorders: the WELL Program

RESEARCH AND SCHOLARSHIP

Grants and Contracts

Current:

National Institute on Alcohol Abuse and Alcoholism (NIAAA) 2 P60 AA09803-22-6893

Ferguson (PI) 12/20/2019/– 12/19/2024

Comprehensive Alcohol Research Center (CARC)

Community and Interpersonal Stress, Alcohol, and Chronic Comorbidities Among PLWH

The goal of this research component is to determine the impact of community and interpersonal stress on behavioral and chronic comorbidities among PLWH, and the unique role that alcohol use plays in the pathways. CARC has a research focus on the bi-directional translational investigation of the interaction of alcohol use disorders (AUD), Human Immunodeficiency Virus (HIV), and antiretroviral therapy (ART) in non-human primates and human subjects.

Role: RC Principal Investigator (15%)

National Institute on Alcohol Abuse and Alcoholism (NIAAA) 2 P60 AA09803-22

Molina (PI) 12/20/2019/– 12/19/2024

Comprehensive Alcohol Research Center (CARC)

Administrative Core

The goal of this research component is to determine the impact of community and interpersonal stress on behavioral and chronic comorbidities among PLWH, and the unique role that alcohol use plays in the pathways. CARC has a research focus on the bi-directional translational investigation of the interaction of alcohol use disorders (AUD), Human Immunodeficiency Virus (HIV), and antiretroviral therapy (ART) in non-human primates and human subjects.

Role: Investigator/Associate Director Data Management and Analysis (10%)

National Institute on Alcohol Abuse and Alcoholism (NIAAA) 5U01AA020795-09

Fiellin (PI) Yale University 01/01/2020– 12/31/2020

COMPAAAS: Financial Incentives, Randomization with Stepped Treatment (FIRST) Trial

The goal of the Financial Incentives, Randomization with Stepped Treatment (FIRST) Trial is to compare onsite CM plus stepped care versus treatment as usual (TAU) in a randomized clinical trial of 348 HIV-infected patients with unhealthy alcohol use at seven HIV clinics.

Role: Investigator (5%)

National Institute on Alcohol Abuse and Alcoholism (NIAAA) R01MH119919-01A1

Moitra (PI) Brown University 12/01/2019/– 11/30/2024

Brief Acceptance-based Retention Intervention for Newly Diagnosed HIV Patients

The objective is to conduct a randomized controlled trial to assess the efficacy of a brief, 2-session acceptance-based behavioral therapy intervention to enhance retention in HIV care. The central hypothesis is that participants' informed disclosure of HIV status to members of their support system, facilitated through increased acceptance of HIV status early in medical care, will increase their longitudinal commitment to care.

Role: Investigator (5%)

National Institute on Alcohol Abuse and Alcoholism (NIAAA) UH3AA026198

Molina (PI) 09/01/2019– 08/31/2022

Alcohol & Metabolic Comorbidities in PLWHA: Evidence Driven Interventions ALIVE-Ex Study

The ALIVE-Ex study focuses on testing the prediction that people living with HIV/AIDS and alcohol use disorder have decreased skeletal muscle functional metabolic mass that may be associated with clinical signs of metabolic dysregulation. The study will complete an exercise intervention to improve metabolic dysregulation among PLWH.

Role: Investigator (8%)

Pending:

National Cancer Institute

Exploring Disparities in Liver Cancer: Genomics of Neighborhood

Role: Investigator (%20) \$3,198,521

National Institute on Alcohol Abuse and Alcoholism (NIAAA) 2 P60 AA09803-22

Comprehensive Alcohol Research Center (CARC)

Administrative Supplement

Role: Investigator (25%) \$50,000

Past:

National Institute on Alcohol Abuse and Alcoholism (NIAAA) 2 P60 AA09803-22

Molina (PI) 12/15/2014/– 12/14/2019

Comprehensive Alcohol Research Center (CARC)

CARC has a research focus on the interaction of alcohol use disorders (AUD), Human Immunodeficiency Virus (HIV), and Antiretroviral Therapy (ART) in non-human primates and human subjects. The current project cycle includes clinical studies that will facilitate bi-directional translational investigation of AUD, HIV/AIDS, and ART comorbid conditions and their exacerbation in an underserved cohort of persons living with HIV/AIDS.

Role: Investigator/ Associate Director -Analytic Core (10%)

National Institute on Alcohol Abuse and Alcoholism (NIAAA) 5UH2AA026198-02

Molina (PI) 09/01/2017– 08/31/2019

Alcohol & Metabolic Comorbidities in PLWHA: Evidence Driven Interventions ALIVE-Ex Study
The ALIVE-Ex study focuses on testing the prediction that people living with HIV/AIDS and alcohol use disorder have decreased skeletal muscle functional metabolic mass that may be associated with clinical signs of metabolic dysregulation. The study will complete an exercise intervention to improve metabolic dysregulation among PLWH.

Role: Investigator (8%)

National Institute on Alcohol Abuse and Alcoholism (NIAAA) 5 U01 AA021995-03

Molina (PI) 09/15/2012– 08/31/2019

HIV / AIDS & Alcohol-Related Outcomes; Translational Evidence-Based Interventions
U01 is a wellness project focusing on alcohol intervention among persons living with Human Immunodeficiency Virus (HIV) and alcohol use disorders (AUD).

Role: Investigator (10%)

National Institute Health –National Cancer Institute P30 CA076292-17S4

Ferguson (Pilot PI) 02/01/2017– 01/31/2019

Meade, Cathy (PI)

Geographic Management of Cancer Health Disparities (GMaP) Program

Pilot -Long-term burden of childhood risk factors and adult cancer

The overall objective of this study is to examine the effect of specific early life, childhood and adolescent risk factors on the type and frequency of cancer development by analyzing cancer registry data linked with The Bogalusa Heart Study.

Role: Pilot Principal Investigator (10%) \$10,000

National Institute of Minority Health and Health Disparities P20MD004817

Ferguson (Pilot PI) 03/01/2016 – 12/28/2018

Scribner, Richard (PI)

Identifying Social Determinants of Disparities in Inflammatory Cancer

The overall goal of the project is to address the social determinants of health disparities as they relate to the modifiable, social and nutritive stressors in the community environment of the Ninth Ward of New Orleans in particular, and the Mid-South region in general.

Role: Investigator/PI Pilot Project (5%)

National Institute Health - National Institute of General Medical Sciences 1 U54 GM104940

Ferguson (Pilot PI) 01/01/2017 – 12/31/2017

Cefalu, William (PI)

Louisiana Clinical and Translational Sciences Center

A Pilot Study to Improve Patient Outcomes Among Breast Cancer Patients by Increasing Early Detection and Intervention of Cardiotoxicity

The overall objective of this study was to evaluate prospectively the pre-clinical risk and identification of early cardiac damage among breast cancer patients across chemotherapy regimens.

Role: PI -Pilot Project

LSU's Improving Clinical Outcomes Network (LSU ICON)

Fontham/Culbertson (PI) 11/1/11 - 06/30/2015

The goal of this project was to create a collaborative effort of the Louisiana State University academic health science and health care delivery institution to improve the care of patients in Louisiana by utilizing biostatistics and epidemiological methods to investigate large databases from hospitals and clinics across the state.

Role: Medical Epidemiologist Investigator

Centers for Disease Control and Prevention U58-DP000769

Chen (PI) 06/30/12 - 06/29/2014

National Program of Cancer Registries

The major goals of this project were (i) to enhance the Louisiana Tumor Registry to maintain the standards of completeness, timeliness and high quality of its cancer incidence data; and (ii) to use registry data for evaluating CDC-funded early detection programs, guiding statewide cancer control plans and policies as well as for patient outcomes and etiologic studies.

Role: Investigator/ Chronic Disease Epidemiologist

Louisiana Department of Health and Hospitals

Ferguson (PI) 10/15/11 - 08/15/2013

Chronic Disease Prevention and Control Epidemiologist Unit

The goal of this project was to perform all surveillance activities, including data collection, development and implementation of surveillance plans and to provide and disseminate health-related chronic disease data for the State for the Community Transformation Grant Program, Coordinated Chronic Disease Prevention and Health Promotion Program, and the Louisiana Tobacco Control Program.

Role: Principal Investigator

Saint Louis County Health Department

Ferguson (PI) 05/15/10-05/30/2012

CDC Communities Putting Prevention to Work (CPPW) Evaluation team

The goal of this project was to complete portions of the evaluation of the St. Louis County CPPW grant focusing on surveillance and the qualitative evaluation of the social network in the area of tobacco prevention in St. Louis County.

Role: Principal Investigator

Ryan White Part A Funding St. Louis Health Department

Ferguson (PI) 03/01/09 - 03/30/2010

St. Louis Transitional Grant Area HIV Health Services Planning Council Support Office

The goal of this project was to provide the logistical, administrative, and epidemiologic support for the Metro St. Louis Transitional Grant Area HIV Health Services Planning Council.

Role: Principal Investigator

National Heart Lung and Blood Institute & Amgen, Barr Pharmaceuticals

Moreland (PI) 05/01/04 - 10/30/05

Treatment of Early Aggressive Rheumatoid Arthritis (TEAR)

The goal of this project was to conduct a randomized clinical trial to determine if it is better to treat all early RA patients with combination methotrexate therapy and which combination is better.

Role: Program Manager/Data Manager

National Institute of Neurological Disorders and Stroke 2 U01 NS38529-04A1

Benavente (PI) 12/01/03 – 10/30/05

Secondary Prevention of Small Subcortical Strokes (SPS3)

The goal of this project was to collect data necessary to complete the design of a two by two block randomized trial investigating the safety and efficacy of antiplatelet and antihypertensive agents in the prevention of secondary stroke, major vascular events, and cognitive decline among patients with small subcortical stroke.

Role: Program Manager/Data Manager

National Heart Lung and Blood Institute

Williams (PI) 03/01/2000 – 03/31/2003

Coronary Artery Risk Development in Young Adults (CARDIA)

CARDIA is longitudinal epidemiologic study examining how heart disease develops in young adults, beginning in 1986 with a group of 5115 black and white men and women aged 18-30 years.

Role: Quality Control Coordinator/Research Associate

Non-Funded (last 3 years)

National Institute of Minority Health and Health Disparities, Co-I, \$2,811,364
Adolescent Obesity in Cohorts Spanning the Nutritional Transition in Grenada (2019)

National Institute on Aging, Co-PI, \$2,382,984
Self-Management for Healthy Aging in People Living with HIV (PLWH); Evidence-Based Interventions (2018)

National Institute of Minority Health and Health Disparities, Research Component Co-PI, \$9,208,140
Louisiana Minority Health and Precision Prevention (LAMP) Center of Excellence (2017)

National Institute of Diabetes and Digestive and Kidney Diseases, Investigator, \$2,298,936
Diabetes Disparities: Social Mediation by Metabolic Dysfunction (2017)

Comprehensive Alcohol HIV Research Center - National Institute on Alcohol Abuse and Alcoholism, PI, \$50,000
Pilot Study: Hazardous Alcohol Use Mediates Increase Risk of CVD Among People Living with HIV/AIDS (PLWHA). (2017)

National Heart Lung and Blood Institute, Investigator, \$281,568
HIV-associated Dysbiosis and Lung Disease (2016)

Patient Centered Outcome Research Institute, PI, \$2,258,614
Improving Patient Outcomes and Decreasing Chemotherapy Toxicities in Breast Cancer Patients (2016)

Journal Publications

Refereed:

1. Greenberg SS, Lancaster JR, Xie J, Sarphie TG, Zhao X, Hua L, **Freeman T**, Kapusta DR, Giles TD, Powers DR. Effects of NO synthase inhibitors, arginine deficient diet, and amiloride in pregnant rats. *American Journal of Physiology*, 1997; 273(3 pt 2): R1031-R1045.
2. **Ferguson TF**, Stewart K, Funkhouser E, Tolson J, Pham S, Westfall AO, Saag MS. Patient perceived barriers to antiretroviral adherence: Associations with race and gender. *AIDS Care*, 2002; 14: 607 - 617.
3. Yan LL, Liu K, Matthews KA, Daviglius ML, **Ferguson TF**, Kiefe CI. Psychosocial factors and risk of hypertension: The CARDIA study. *JAMA*, 2003; 290:2138-2148.
4. **Ferguson TF**, Roseman J, Funkhouser E. Factor analysis of the metabolic syndrome in the Coronary Artery Risk Development in Young Adults (CARDIA) Study: Examination of factors by race-sex groups and across time. *Annals of Epidemiology*, 2010; 20: 194 – 200. PMC2823988
5. Dong GH, Qian Z, Liu, MM, Wang D, Ren WH, Fu Q, Wang J, Simckes M, **Ferguson TF**, Trevathan E. Obesity Enhanced Respiratory Health Effects of Ambient Air Pollution in Chinese Children: the Seven Northeastern Cities (SNEC) Study. *International Journal of Obesity*. 2012; 1-7. 2012IJO00534R
6. Lehmann, GC, Bell, TR, Kirkham, FJ, Gavlak, JC, **Ferguson, TF**, Strunk, RC, Austin, P, Rosen, CL, Marshall, MJ, Wilkey, O, Rodeghier, MJ, Warner, JO, Debaun, MR. Enuresis associated with sleep disordered breathing in children with sickle cell anemia. *Journal of Urology*. 2012; 188 (4 SUPPL.), 1572-1576. PMCID: PMC3722896
7. Dong GH, Qian Z, Fu Q, Wang J, Trevathan E, Ma W, Liu MM, Wang D, Ren WH, Ong KH, **Ferguson TF**, Riley E, Simckes M. A Multiple Indicators Multiple Cause (MIMIC) Model of Respiratory Health and Household Factors in Chinese Children: the Seven Northeastern Cities (SNEC) Study. *Matern Child Health J*. 2014 Jan; 18(1):129-37. PMCID: 23440490
8. Zhang L, **Ferguson TF**, Simonsen N, Chen L, Tseng, TS. Racial/Ethnic Disparities in Health-Related Quality of Life among Participants with Self-Reported Diabetes from NHANES 2001-2010. *The Diabetes Educator*. April 2014 PMID: 24737884
9. Gaston S, Nugent N, Peters ES, **Ferguson TF**, Trapido EJ, Robinson WT, Rung AL. Exploring Heterogeneity and Correlates of Depressive Symptoms in the Women and Their Children's Health (WaTCH) Study. *Journal of Affective Disorders*. 2016; 205:190-199. doi: 10.1016/j.jad.2016.03.067.
10. Gaston SA, Volaufova J, Peters ES, **Ferguson TF**, Robinson WT, Nugent N, Trapido EJ, Rung AL. Individual-level Exposure to Disaster, Neighborhood Environmental Characteristics, and their Independent and Combined Associations with Depressive Symptoms in Women. *Environmental*

Health Perspectives. *Journal of Social Psychiatry and Psychiatric Epidemiology*. 2017; 52(9):1183-1194.

11. Simon L, Siggins R, Winsauer P, Brashear M, **Ferguson T**, Mercante D, Song K, Vande Stouwe C, Nelson S, Bagby G, Amedee A, Molina P. Simian immunodeficiency virus infection increases blood ethanol concentration duration after both acute and chronic administration. *AIDS Research and Human Retroviruses*. 2018. 34(2): 178-184. PMID: 29037050.
12. Zhang L, Yu Q, Wu XC, Hsieh M, Loch M, Chen VW, Fontham E, **Ferguson TF**. Impact of Chemotherapy Relative Dose Intensity on Cause-Specific and Overall Survival for Stage I-III Luminal A vs Triple-Negative Breast Cancer. *Breast Cancer Res Treat*. 2018. PMID: 29368311
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2. **Ferguson TF**, Beauchamp A, Rosen E, Ray AN, Theall KP, Gilpin NW, Molina PE, Edwards S. Adaptation of an Alcohol, Tobacco, and Illicit Drug Use Intervention for Vulnerable Urban Young Adults. *Public Health*.
3. Legeai D, Peters ES, Nugent NR, **Ferguson TF**, Rung A. Influence of neighborhood environment on internalizing problems in adolescents. *Social Psychiatry and Psychiatric Epidemiology*
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5. Simon L, **Ferguson TF**, Stouwe CV, Brashear M, Primeaux S, Theall KP, Welsh DA, Molina PE. Prevalence of Insulin Resistance in Adults Living with HIV: implications of alcohol use. *JAIDS: Journal of Acquired Immune Deficiency Syndromes*

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3. **Ferguson TF**, Udaya-Kumar S, Kennedy B. Breast Cancer Patients Perceptions of Chemotherapy and Cardiotoxicity.
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5. **Ferguson TF**, Zhang L, Brashear M, Arcement A, Smart F. Variations in Implantable Cardioverter Defibrillator Utilization in the Louisiana Health System.
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12. BM Lyons, N Jones-Jack, IM Rickett, **TF Ferguson**. Cultural Acceptability and Health Disparities in Louisiana. Xavier University Sixth Health Disparities Conference. Improving Medical Effectiveness and Health Outcomes to Achieve Health Equity Through Interprofessional Collaborations. March 2013. New Orleans, Louisiana.
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 19. L Zhang, **TF Ferguson**, MM Brashear, E Peters. Variations in Treatment of Head and Neck Cancer Patients in Louisiana. Graduate Research Day, LSU Health Sciences Center School of Graduate Studies, November 2013.
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 22. ES Peters, MM Brashear, **TF Ferguson**. Treatment and Survival Differences for Head and Neck Cancers in Louisiana. Seventh AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. November 2014. San Antonio, Texas.
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 26. **TF Ferguson**, M Brashear, ES Peters. Racial Differences in Head and Neck Cancer Treatment and Survival in Louisiana. Xavier University of Louisiana's College of Pharmacy Center for Minority Health and Health Disparities, Research and Education (CMHDRE) Eighth Health Disparities Conference March 2015. New Orleans, Louisiana.
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 28. **TF Ferguson**. Progress of CARC/ALIVE Translational Data Collection. Alcohol & Drug Abuse Center of Excellence 7th Semi-Annual Retreat. May 2016.
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 33. Gaston SA, Tolve NS, **Ferguson TF**. American Heart Association, Scientific Council on Epidemiology and Lifestyle Conference, Portland, Oregon. March 2017.
 34. Scribner RA, **Ferguson TF**, Dano D, Simonsen NR, Leonardi C, Yu Q, Wu X. Social Determinants of Liver Cancer in Louisiana. 12th Annual UAB Health Disparities Research Symposium, Birmingham, Alabama, May 2017.
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 39. **Ferguson TF**, Simon L, Brashear MM, Mercante D, Welsh D, Molina PE. Chronic hazardous alcohol use; role in HIV-associated metabolic comorbidities. 38th Annual Research Society on Alcoholism Scientific Meeting; Denver, Colorado. June 2017.
 40. **Ferguson TF**, Brashear MM, Welsh D, Armstrong ML, Shen T, LaPlante AM, Copenhaer M, Altice F, Bryant K, Molina PE. Improving Knowledge and Awareness of Negative Impacts of Alcohol Consumption Among People Living with HIV/AIDS. 38th Annual Research Society on Alcoholism Scientific Meeting; Denver, Colorado. June 2017.
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61. Rosen EM, Carr R, Simon L, Brashear MM, Welsh DA, Molina PE, **Ferguson TF**. Lifetime Alcohol Drinking History and Noninvasive Markers of Liver Disease In People Living with HIV: The Role of Hepatitis C. Louisiana Health Sciences Center, Graduate School Research Day. New Orleans, Louisiana, November 2019.
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69. **Ferguson TF**, Theall K, Simon L, Welsh DA, Molina PE. Cardiometabolic Factors Associated With Alcohol Use; the New Orleans Alcohol Use and HIV Study. 42nd Annual Research Society on Alcoholism Scientific Meeting; Minneapolis, Minnesota. June 2019.
70. Rosen EM, Carr R, Brashear MM, Theall K, Welsh DA, Molina PE, **Ferguson TF**. Current and Lifetime Alcohol Drinking Patterns on Noninvasive Markers of Liver Disease In People Living with HIV: The Role of Hepatitis C. 42nd Annual Research Society on Alcoholism Scientific Meeting; Minneapolis, Minnesota. June 2019.
71. Siggins RW, Maffei VJ, **Ferguson TF**, Porretta CP, Molina PE, Welsh DA. Alcohol Use and Markers of Gut Leak Positively Associate with CD8+ T-Cell Exhaustion and Senescence in Persons Living with HIV. 42nd Annual Research Society on Alcoholism Scientific Meeting; Minneapolis, Minnesota. June 2019.
72. Rojas D, Wendell D, **Ferguson TF**, Robinson WT, Trepka MJ, Strafi-Bourgeois SC. 2019. The effect of neighborhood concentrated disadvantage on the association between hospital-associated infection and survival in people living with HIV. American College of Epidemiology Annual Meeting. Pasadena, California. September 2019.
73. **Ferguson TF**, McDaniel L, Brashear MM, Ernst F, Molina PE. Reduced Alcohol Use and Improved Wellness in Persons Living With HIV: The WELL Program. National Hispanic Science Network Conference. New Orleans, Louisiana. October 2019.
74. White S, McDaniel L, Brashear M, Yeh A, Molina PE, **Ferguson TF**. Examining Self-Efficacy and Readiness to Change in Regards to Alcohol Use Disorders: the WELL Program. National Hispanic Science Network Conference. New Orleans, Louisiana. October 2019.
75. Rosen EM, **Ferguson TF**, Carr R, Theall K, Brashear MM, Simon L, Ronis M, Welsh DA, Molina PE. Current and Lifetime Alcohol Drinking Associations on Liver Disease Markers in People Living with HIV and the Role of Hepatitis C. National Hispanic Science Network Conference. New Orleans, Louisiana. October 2019.

Acknowledged Contributions

1. Wohl D, Scherzer R, Heymsfield S, Simberkoff M, Sidney S, Bacchetti P, Grunfeld C; FRAM Study Investigators. The associations of regional adipose tissue with lipid and lipoprotein levels in HIV-infected men. *J Acquir Immune Defic Syndr*. 2008 May 1;48(1):44-52. doi: 10.1097/QAI.0b013e31816d9ba1.
2. Scherzer R, Shen W, Bacchetti P, et al. Simple anthropometric measures correlate with metabolic risk indicators as strongly as magnetic resonance imaging-measured adipose tissue depots in both HIV-infected and control subjects. *Am J Clin Nutr*. 2008;87(6):1809–1817. doi:10.1093/ajcn/87.6.1809
3. Currier J, Scherzer R, Bacchetti P, et al. Regional adipose tissue and lipid and lipoprotein levels in HIV-infected women. *J Acquir Immune Defic Syndr*. 2008;48(1):35–43. doi:10.1097/QAI.0b013e318164227f
4. Scherzer R, Shen W, Bacchetti P, et al. Comparison of dual-energy X-ray absorptiometry and

magnetic resonance imaging-measured adipose tissue depots in HIV-infected and control subjects. *Am J Clin Nutr.* 2008;88(4):1088–1096. doi:10.1093/ajcn/88.4.1088

Invited Conference Talks, Presentations and Seminars

National

1. Freeman T, Stewart K, and Saag M. Adherence in the Age of Highly Active Anti-Retroviral Therapy (HAART): Racial and Gender Differences. National HIV Prevention Conference, 1999, Atlanta, GA.

Regional

2. Metabolic Syndrome and Coronary Artery Risk in Young Adults. National Medical Association and Mound City Medical Forum, 2010 Region V Annual Meeting, St. Louis , MO. April 2010.
3. Ferguson TF, Dano D, Simonsen NR, Leonard C, Yu Q, Wu X, Scribner RA. Racial Disparities in Late Stage Breast Cancer Diagnosis: Assessing Geographic Variation and Ecological Risk. 12th Annual UAB Health Disparities Research Symposium, Birmingham, AL. May 2017
4. Long-term Burden of Childhood Risk Factors and Adult Cancer. Preliminary Findings of Bogalusa Heart Study Linkage with the Louisiana Tumor Registry. National Cancer Institute Geographic Management of Cancer Health Disparities (GMaP) Program Regions 2 Retreat. New Orleans, LA. January 2018.
5. Place-Matters: Neighborhood Influences on Alcohol Use and Clinical Outcomes among PLWH. University of Florida, SHRAC Center for Translations HIV Research, Gainesville, FL. November 2019.

State

6. What are the Odds? Center for Tobacco Policy and Research, Summer Training Institute. St. Louis, MO. July 2009.
7. Real Discussion with Real people about real issues in minority health. Office of Minority Health, Missouri Department of Health and Senior Services. St. Louis, MO. July 2010.

Local

8. Case Managers Needs Assessment . Ryan White Metro St. Louis HIV Health Services Planning Council. St. Louis, MO. January 2011.
9. Multiple Methods Investigating Cardiovascular Disease Risk. Louisiana Public Health Institute, Division of Evaluation and Research. New Orleans, LA. September 2014.

10. Assessments and Measurements of Alcohol Consumption in Aging People Living with HIV. Dillard University, New Orleans, LA. April 2017.

University

11. *Progress of CARC/ALIVE Translational Data Collection*. Louisiana State University Health Sciences Center, Alcohol and Drug Abuse Center of Excellence 7th Scientific Retreat. New Orleans, LA. April 2016.
12. *Improving Patient Outcomes Among Breast Cancer Patients by Increasing Early Detection and Treatment of Chemotherapy Cardiotoxicity*. Washington University, School of Medicine. Programs to Increase Diversity Among Individuals Engaged in Health-Related Research (PRIDE). NHLBI/NIMHD Mid-year Meeting 2017. St. Louis, MO. January 2017.
13. *Risk of CVD in HIV Mediated Through Alcohol Use*. Washington University, School of Medicine. Programs to Increase Diversity Among Individuals Engaged in Health-Related Research (PRIDE). St. Louis, MO. August 2017.

Editorial Posts and Reviewer Activities

Journal Reviews

Alcohol
Alcoholism: Clinical and Experimental Research
Atherosclerosis
AIDS Behavior
Annals of Epidemiology
BioMed Central
HIV Medicine
Public Health

Research Proposal Reviews

Men's Minority Health Project 2015 - 2016

Conference Abstract Reviews

American Public Health Association (APHA) Annual Meeting- Epidemiology Section 2014 - 2020
 American College of Epidemiology 2015 - 2019

Poster Judge

LSU Health New Orleans – Summer Research Poster Session Judge	2019
American College of Epidemiology Poster Session Judge	2019

Meetings, Panels, Workshops Led or Organized

Conference Symposium Organizer and Panel Moderator

Early Career Planning Committee for Epidemiology Congress of the Americans 2016, Miami, FL (June 2016)	2016
- Early Career Forum Facilitator	

American College of Epidemiology Planning Committee for the National 2020 Meeting (September 2020)	2019-Present
- Mixed Methods Workshop Facilitator	

SERVICE ACTIVITIES

State Advisory Committees and Boards

Louisiana Department of Health and Hospitals	
Coordinated Chronic Disease Epidemiology and Evaluation Workgroup	2012 - 2013
Community Transformation Grant Steering Committee	2012 - 2013
LA Chronic Disease Prevention and Control Leadership Group	2012 - 2014
LA Behavior Risk Factor Surveillance Survey (BRFSS) Workgroup	2012 - 2015

Science Advisor

Epidemiology Advisor to the Louisiana Department of Health, Chronic Disease Prevention and Control	2011 – 2013
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Professional Institution/Society Service

National Committees and Workgroups

American Heart Association: Interdisciplinary Committee on Prevention Publication Committee 2011 – 2012	2010 – 2013
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American Public Health Association (APHA), Epidemiology Section, Conference Abstract Reviewer, International Meeting Planning Committee Member	2013 – 2016
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American College of Epidemiology, Planning Committee for Epidemiology Congress of the Americans 2016	2016
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Cross-Cohort Collaboration Consortium National Heart Lung Blood Institute	2017- Present
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American College of Epidemiology,
National Annual Meeting Planning Committee 2019-Present

American College of Epidemiology,
Education Committee Co-Chairman 2019-Present

Regional Committees

Association of Women in Science – Southern Louisiana Chapter
Secretary and Executive Board Member 2016 - Present

St. Louis Regional Planning Council
Needs Assessment Committee Member 2009
Education and Prevention Committee Member 2010

University Service

University Appointments and Committees

University of West Florida, Master of Public Health Steering Committee 2007 – 2009
Saint Louis University, Presidential Award Proposal Reviewer 2010
Saint Louis University, President’s Diversity Council 2009 – 2011
Saint Louis University, School of Public Health Commencement Marshall 2009 – 2011
Louisiana State University Health Science Center, Faculty Senator, Louisiana Health Sciences Center 2016 - Present
Louisiana State University Health Science Center, Graduate School Recruitment Committee 2018 - Present

School Committees

Saint Louis University – SPH, Education Strategy Sub-committee 2008 - 2009

Saint Louis University – SPH, National Children’s Study Principal Investigator Search Committee 2010

Saint Louis University – SPH Division of Epidemiology Admissions Officer 2008 – 2011

Saint Louis University – SPH, Recruitment and Retention: Diverse Faculty and students Task Force 2009 – 2011

Louisiana State University Health Science Center, School of Public Health Education Strategic Planning Committee 2014

Louisiana State University Health Science Center, School of Public Health Recruitment and Open House Committee – Chair 2012 – 2014

Louisiana State University Health Science Center, School of Public Health By-Laws, Nominations, and Election Committee –Chair 2012 – 2016

Louisiana State University Health Science Center, School of Public Health Grievance Committee 2013 - 2017

Louisiana State University Health Science Center, School of Public Health Administrative Council 2016 – 2019

Program Committees

Louisiana State University Health Sciences Center, School of Public Health, PhD Exam Committee –Chair 2012-2017

Louisiana State University Health Science Center, School of Public Health Epidemiology Faculty Assembly Rep 2016- Present

Community Service Activities

National Campaign

American Heart Association Mid-West Affiliate
Minority Council Member and Community Ambassador 2009 - Present
New Orleans American Heart Association Passion Committee

Community Outreach and Education Events

African American AIDS Alliance 2009 – 2011
Member
Chairperson

Catholic Charities Midtown 2010 – 2011
Board Member and Volunteer 2009 – 2011

National Black HIV/AIDS Awareness Day Conference Planning Committee 2010

American Red Cross 2010
Certified HIV Education and Prevention Instructor
Certified African American HIV Education and Prevention Instructor 2013 - Present
Certified in CPR

Saint Louis Striving to Reduce Youth Violence Everywhere (STRYVE)
Data and Assessment Committee 2011

Women With A Vision 2013 – 2015
WWA - Friends Planning Committee

Heart N Hands – Healthy Heart Program Promotion(New Orleans, LA) Volunteer	2015, 2016, 2017
Friends of Lafitte Greenway –Environmental Ownership Volunteer	2016 - Present
Black AIDS Institue: Black Women and HIV Volunteer	2019 - Present