

JAMIE A. MURKEY

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EDUCATION

PhD., Public Health (Epidemiology) May 2022
New York University School of Global Public Health New York, NY

Dissertation: *Disparities in Cardiovascular Disease Outcomes: Examining the Role of Racial Discrimination, Telomere Length, and Allostatic Load*

Chair: Olubenga Ogedegbe, M.D., MPH, NYU Grossman School of Medicine

M.P.H., Health Policy and Leadership June 2014
Loma Linda University School of Public Health Loma Linda, CA

B.S., Nutritional Science April 2012
Pepperdine University Malibu, CA

Semester at Sea, Study Abroad May 2011
University of Virginia Charlottesville, VA

POSTDOCTORAL TRAINING

Intramural Research Training Award Postdoctoral Fellow August 2022-Present
Epidemiology Branch, National Institute of Environmental Health Sciences Research Triangle Park, NC
National Institutes of Health, Department of Health and Human Services

Principal Investigator: Dr. Chandra L. Jackson, PhD., M.S.

Earl Stadtman Investigator

- Investigate social and environmental drivers of cardiometabolic outcome disparities over the life course

RESEARCH EXPERIENCE

BioData Catalyst Fellow September 2020-June 2022
National Institutes of Health New York, NY

Advisor: André A. Fenton, PhD

- Developed and optimized bioinformatic workflows for estimating telomere length from whole-genome sequencing data
- Performed cloud-based computing using whole-genome sequencing data within the BioData Catalyst ecosystem to explore drivers of adverse cardiovascular disease outcomes

Lab Manager August 2017-July 2020
ACCESS Lab, New York University New York, NY

Supervisor: Beverly-Xavier Watkins, PhD

- Supervised ACCESS Lab research personnel and provided direct support to the lab director
- Submitted changes to the university IRB and managed study regulatory files
- Developed and tested survey instruments utilized in ACCESS Lab studies
- Managed ACCESS Lab study data and performed statistical analyses using Stata, R, SAS, and SPSS

Project Manager October 2015- August 2017
Department of Infectious Diseases, UCLA School of Medicine Los Angeles, CA
Supervisor: Jeffrey Klausner, M.D., MPH

- Managed and coordinated a variety of NIH sponsored clinical and behavioral research studies, under the direction of the principal investigator
- Assisted in developing assessment tools, case report forms, content, and other necessary components related to research studies
- Performed quality assurance on study data and site monitoring at multiple study sites
- Submitted changes to the university IRB and managed central study regulatory files
- Conducted patient assessments, focus group discussions and qualitative in-depth interviews
- Prepared manuscripts for peer-reviewed journals and posters for conference presentations

Sr. Clinical Research Assistant

August 2014-September 2015

Department of Medicine, University of California-San Francisco

San Francisco, CA

Supervisor: Lara Coffin, MPH

- Used electronic medical records to identify, screen, and recruit viraemic participants for a NIH sponsored randomized controlled trial intended to support engagement in clinical care in the San Francisco General Hospital's HIV/AIDS Division
- Prepared materials for blood draws and reviewed study consent forms with participants
- Administered behavioral interviews and collected data using computer assisted interview software
- Ensured appropriate randomization of participants into study treatment and control arms following the institutional review board approved protocols and procedures
- Performed quality assurance on study data and managed participant tracking information

Research Assistant

October 2013-August 2014

Survey Research Group, RAND Corporation

Santa Monica, CA

Supervisor: Beau DeLang

- Conducted structured telephone interviews to survey respondents about their health plan, overall health and existing health conditions, experiences with physicians, Medicare rights, and caring for someone else in their own home. I was involved in the Medicare Outcomes, Emergency Department Consumer Assessment of Healthcare Providers and Systems, and Community Partners in Care Projects

Research Assistant

June 2011-September 2012

WORKING Research Trial

Los Angeles, CA

Supervisor: Antronette K. Yancey, M.D., MPH

School of Public Health, University of California-Los Angeles

- Gathered and recorded empirical data pertinent to the WORKING research trial

Research Assistant

June-August 2006

Young Scientist Program

St. Louis, MO

Mentor: Krista Moulder, Ph.D.

Department of Psychiatry, Washington University School of Medicine

- Stained proteins in prostate cancer cells and neurons with antibodies
- Compared the stained prostate cancer cells to neurons
- Observed chemical release in prostate cancer cells associated with prostate cancer

FIELDWORK EXPERIENCE

Graduate Student Trainee (Health Insurance)

July-September 2019

Office of Minority Health, Centers for Medicare & Medicaid Services

Department of Health & Human Services

Supervisor: Jordan Luke

- Aided the supervisor in the preparation of a variety of health care administrative material required to build equity into the existing organizational infrastructure and its programs
- Guided the development of culturally and linguistically adapted diabetes medication management and nutrition resource directories for providers and Medicare and Medicaid beneficiaries
- Assisted with the preparation and review of issues briefs and best practice guides on the implementation

of care coordination agreements intended to facilitate Medicaid service reimbursement as well as ensuring that 100 percent Federal Medical Assistance Percentage (FMAP) reimbursement rates are met for health services rendered by Urban Indian Centers to American Indians/Alaska Natives

- Reviewed data analyses and report on the social determinants of health outcomes for Medicare beneficiaries for correctness and verified discrepancies

Randall Lewis Health Policy Fellow

October 2013-June 2014

Human Services and Recreation Department, City of Pasadena

Pasadena, CA

Supervisor: Mercy Santoro

- Assisted the City of Pasadena in researching and developing health policy recommendations and programs aimed to decrease health inequities in low-income areas
- Assisted in aligning health policies and programs with the School/City/Community Work Plan
- Assisted with the planning grant for the USDA sponsored Farm to School Program in the Pasadena Unified School District
- Created surveys and hosted focus groups for the development of health policy recommendations

TEACHING EXPERIENCE

Adjunct Professor

January 2018-Present

Supervisor: Lesley Rennis, Ed.D

New York, NY

Borough of Manhattan Community College

City University of New York

Courses taught: Health Education (HED 100), Comprehensive Health Education (HED 110), and Epidemiology for Public Health Practice (HED 295)

Peer Health Educator

January-May 2011

Supervisor: Alissa Strong

Rio De Janeiro, Brazil

Semester at Sea, University of Virginia

- Collaborated with the medical staff to plan effective teaching tools on health-related topics concerning the shipboard community

Curriculum Coordinator

September-December 2010

Directed Studies

Malibu, CA

Supervisor: Sunnie Delano

Division of Natural Science, Pepperdine University

- Researched epidemiological data concerned with obesity rates of youth in urban areas
- Helped develop a six-week nutritional lesson plan to be administered to students ages 8-10 in low-income, underserved communities

Community Health Student Instructor

April 2010

Communication in Dietetics

Los Angeles, CA

Supervisor: Sunnie Delano

Division of Natural Science, Pepperdine University

- Researched essential nutritional requirements and created strategic plans to implement in a population of youth living with HIV
- Administered HIV nutrition presentation to an at-risk population

PUBLICATIONS AND PRESENTATIONS

PUBLICATIONS

Murkey JA, Gaston SA, and Jackson CL (2023). *A Commentary on Sleep Health among NCAA College Athletes: Historical Challenges and Opportunities*. Manuscript in preparation.

Murkey JA, Gaston SA, Payne CW, Jackson WB, Payne CW, and Jackson CL (2023). *Food Security Status and*

Ideal Cardiovascular Health Among Pregnant Women in the United States. Manuscript in preparation.

Murkey JA, Cohen JH, Maleku A, Pyakurel S, Suzuki T, Raut S, Jackson CL, and Montiel Ishino FA (2023). *Acculturation, Discrimination, and Cardiometabolic Health among Bhutanese Living in the US: Preliminary Findings from the Bhutanese Cohort of Central Ohio Health Study*. Manuscript in preparation.

Murkey JA, Jackson CL, Wilkerson J, Salo PM, Fessler MB, Thorne PS, and Zeldin DC (2023). *Associations between Indoor Environmental Allergen Exposure and Various Sleep Dimensions Among a National Representative Sample of US Adults by Race/Ethnicity*. Manuscript in preparation.

Murkey JA, Gaston SA, Alhasan DM, Jackson WB, Payne CW, and Jackson CL (2023). *Food Security Status and Ideal Cardiovascular Health Among US Adults by Sex/Gender and Race/Ethnicity*. Manuscript under review.

Murkey JA, Gaston SA, Alhasan DM, Jackson WB, and Jackson CL (2023). *Associations Between Industry of Employment, Occupational Class, and Ideal Cardiovascular Health Among Adults in the United States*. Manuscript in preparation.

Murkey JA, Watkins BX, Fenton AA, Duncan DT, Mathias RA, Rotter JI, Rich SS, Post WS, and Ogedegbe O (2023). *Developing and Testing TeleGen-An Automated Cloud-Based Telomere Estimation Workflow*. Manuscript under parent study review.

Murkey JA, Watkins BX, Fenton AA, Duncan DT, Mathias RA, Rotter JI, Rich SS, Post WS, and Ogedegbe O (2023). *Experiences of Racial Discrimination and Incident Myocardial Infarction and Stroke: Findings from the Multi-Ethnic Study of Atherosclerosis*. Manuscript under parent study review.

Murkey JA, Watkins BX, Fenton AA, Duncan DT, Mathias RA, Rotter JI, Rich SS, Post WS, and Ogedegbe O (2023). *Experiences of Racial Discrimination and Cardiovascular Disease Mortality: Findings from the Multi-Ethnic Study of Atherosclerosis*. Manuscript under parent study review.

Murkey JA, Watkins BX, Vieira DL, Boden-Albala B (2022). Disparities in Allostatic Load, Telomere Length and Chronic Stress Burden Among African American Adults: A Systematic Review. *Psychoneuroendocrinology*, 105730

National Institutes of Health National Institute of Diabetes and Digestive and Kidney Diseases; Centers for Medicare & Medicaid Services Advisory Panel on Outreach and Education; NORC at the University of Chicago; **Murkey JA**-Program Alignment and Partner Engagement Group 2019 summer intern; Asian Services in Action – International Community Health Center; Chinatown Public Health Center; Colorado Coalition for the Homeless; Garden City Community Health Center, Genesis Family Health; Jackson Medical Mall and Jackson Hinds Comprehensive Health Center; Montefiore Medical Center; Nash Health Care Systems; Sun Life Family Health Center; and Bryan W. Whitfield Memorial Hospital, Tombigbee Healthcare Authority (2019). “Diabetes Management: Directory of Provider Resources”. *The Centers for Medicare and Medicaid Services, United States Department of Health and Human Services*.

Wilson, MR, Sample HA, Zorn KC, Arevalo S, Yu G, Neuhaus J, Federman S, Stryke D, Briggs B, Langelier C, Berger A, Douglas V, Josephson SA, Chow FC, Fulton BD, DeRisi JL, Gelfand JM, Naccache SN, Bender J, Bard JD, **Murkey JA**, Carlson M, Vespa PM, Vijayan T, Allyn PR, Campeau S, Humphries RM, Klausner JD, Ganzon CD, Memar F, Ocampo NA, Zimmermann LL, Cohen SH, Polage CR, DeBiasi RL, Haller B, Dallas R, Maron G, Hayden R, Messacar K, Dominguez SR, Miller S, and Chiu CY. (2019). Clinical Metagenomic Sequencing for Diagnosis of Meningitis and Encephalitis. *New England Journal of Medicine*, 380(24), 2327-2340.

Stafylis C., Natoli, LJ, **Murkey, JA**, Gordon, KK, Young, SD, McGrath, MR, & Klausner, JD. (2018). “Vending machines in commercial sex venues to increase HIV self-testing among men who have sex with men”. *mHealth*, 4.

Chiu CY, Coffey LL, **Murkey JA**, Symmes K, Hsieh K, Muradyan A, Sample HA, Wilson MR, Naccache SN, Arevalo S, Somasekar S, Vespa P, Schiller G, Messenger S, Humphries RM, Miller S, and Klausner JD (2017). “Diagnosis of fatal human case of St. Louis encephalitis virus infection by metagenomic sequencing, California, 2016”. *Emerging infectious diseases*, 23 (10), 1964.

Murkey JA, Chew KW, Shannon CL, Sirohi D, Sample HA, Wilson MR, Vespa P, Humphries RM, Miller S, Klausner JD, and Chiu CY (2017). “Hepatitis E Virus-Associated Meningoencephalitis in a Lung Transplant Recipient Diagnosed by Clinical Metagenomic Sequencing”. In *Open forum infectious diseases* (Vol. 4, No. 3). Oxford University Press.

ORAL AND POSTER PRESENTATIONS

Murkey JA, Gaston SA, Alhasan DM, Jackson WB, and Jackson CL (2023). *Associations Between Industry of Employment, Occupational Class, and Ideal Cardiovascular Health Among Adults in the United States*. Poster presentation at: 2023 Society for Epidemiologic Research Conference; 2023 June 13-16; Portland, OR.

Murkey JA, Gaston SA, Alhasan DM, Jackson WB, Payne CW, and Jackson CL (2023). *Food Security Status and Ideal Cardiovascular Health Among US Adults by Sex/Gender and Race/Ethnicity*. Poster presentation at the National Institute of Environmental Health Sciences Epidemiology Branch retreat; 2023 May 1; Research Triangle Park, NC.

Murkey JA, Watkins, BX, Vieira DL, Boden-Albala, B. “Allostatic Load, Telomere Length, and Chronic Stress in African American Adults: A Systematic Review of Longitudinal Studies”. Poster presentation at: 147th American Public Health Association Conference; 2019 Nov 2-6; Philadelphia, PA

Natoli L, **Murkey JA**, McGrath M, Stafylis C, Gordon KK, and Klausner JD. “Availability and cost of dispensal of free HIV home test kits using vending machines in commercial sex venues for men who have sex with men”. Oral presentation at: 145th American Public Health Association Conference; 2017 Nov 4-8; Atlanta, GA

Stafylis C, **Murkey JA**, Natoli L, Gordon KK, Young SD, McGrath MR, and Klausner JD. “Using Vending Machines to Distribute Free HIV Self-Test Kits in Two Commercial Sex Venues in the Los Angeles Metro Area”. Oral presentation at: 12th International Conference on HIV Treatment and Prevention Adherence; 2017 Jun 4-6; Miami, FL

Chew KW, Daar ES, Lake JE, Li Z, Shufelt C, Tseng CH, Liao D, **Murkey JA**, Guerrero M, Jordan W, Chung RT, Bairey Merz CN, Currier JS, and Bhattacharya D. “Impact of Hepatitis C Virus (HCV) treatment on endothelial function in HIV co-infected persons”. Oral presentation at: 18th International Workshop on Adverse Drug Reactions and Co-Morbidities in HIV; 2016 Sept 12-13; New York, NY

INVITED TALKS

2021 Panel Speaker

“*Social Justice Issues and the COVID-19 Vaccine*”

- Served as a panel member to discuss social justice concerns surrounding hesitancy for COVID-19 vaccine uptake among public housing residents in South Los Angeles. The virtual town hall was hosted by the Charles Drew University School of Medicine and Housing Authority of the City of Los Angeles.

2021 Panel Speaker

- Presented an overview of my research and experience as a BioData Catalyst Fellow to a group of Programs to Increase Diversity among Individuals Engaged in Health-Related Research (PRIDE) Fellows. The PRIDE consortium is sponsored by the National Heart, Lung, and Blood Institutes.

2020 Panel Speaker

“*Public Health Careers Panel Discussion*”

- Served as a panel member to discuss my trajectory of a career in public health. The audience included undergraduate CUNY students.

2020 At A Crossroads Public Health Series at NYU

“Public Health Entrepreneurship & Black Men’s Health

- Moderated a discussion about reducing mental health stigma among men with the CEO and founder of *Henry Health*, a digital health platform providing culturally sensitive self-care and mental health services

2020 Webinar Series

“Racism and Health Dialogue”

- Discussed mechanisms linking racial discrimination and health disparities in the United States

2014 Masters Thesis Presentation

“Aligning nutrition data and resources to meet the nutritional needs of high school aged youth living in Northwest Pasadena”

- Presented findings surrounding master’s thesis project

2012 Senior Capstone Presentation

“Which factors (sociocultural and genetic, if any) ultimately determine the fate of African-American men developing cardiovascular disease?”

- Presented findings surrounding senior thesis paper

2006 Minority Trainee Research Forum

“An Approach to GABA Release in Prostate Cells”

- Presented research data on the release of GABA in prostate cancer cells

SELECTED AWARDS, RECOGNITION AND MENTORSHIP EXPERIENCE

2023

- 2023 National Institute of Environmental Health Sciences Summer Internship Program Mentor

2021

- Selected as a mentor for the Young African Leadership Initiative Focus Coach Program

2020

- National Institutes of Health BioData Catalyst Fellowship Award

2019

- Selected as a FOCUS mentor for first-generation college students at NYU

2017

- Selected as a New York University School of Global Public Health PhD Fellow

2014

- Recipient of the Delta Omega Award and inducted into the Delta Omega Honorary Society-The National Honor Society for Public Health (Kappa)

- Recipient of the Randall Lewis Fellow Award

2013

- Selected as a Randall Lewis Health Policy Fellow for the 2013-2014 academic year

- Selected as a Project HOPE mentor at the Loma Linda University School of Public Health

2007

- Inducted into the Bill & Melinda Gates Millennium Scholarship cohort

2006

- Recipient of the Acres of Diamonds National Abstract Award

PROFESSIONAL CERTIFICATIONS

Micro credential in Designing Student-Centered Courses, American Council on Education
Advanced Level Plagiarism Certification, Indiana University

July 2021
Jun 2017

PROGRAMMING AND ANALYTIC SKILLS

- Statistical packages: Stata (expert); R (intermediate); SPSS (intermediate); SAS (beginner)
- Other analytic skills: Telomere estimation (expert); cloud-based computing (intermediate)

PROFESSIONAL ORGANIZATIONS AND LEADERSHIP EXPERIENCE

Member of Kappa Alpha Psi Fraternity, Inc. (Beta Omega)	November 2008-Present
Member of the American Public Health Association	November 2013-Present
Member of the Delta Omega Honorary Society (Kappa)	May 2014-Present
Member of the Society for Epidemiologic Research	January 2023-Present

PROFESSIONAL SERVICE

Abstract reviewer for the American Public Health Association	March 2017-Present
Ad-hoc Journal Reviewer for ' Health and Place '	December 2022-Present

REFERENCES

Will be furnished upon request