

CONNOR D. MARTZ

Curriculum Vitae

February 2024

EDUCATION & TRAINING

- University of Texas at Austin** 2022-Present
Postdoctoral, Population Research Center
Emphasis: social epigenetics; population health; educational contexts
Mentor: Dr. Lauren Gaydos
- Auburn University** 2016-2022
PhD, Human Development and Family Sciences
Emphasis: social epidemiology; developmental science; health equity research
Dissertation: “Biopsychosocial Mechanisms of Lupus Progression in Black Women”
Committee Chair: Dr. David H. Chae
- University of Wisconsin–Madison** 2012-2016
BS, Major: Human Ecology | Minor: Global & Public Health

PROFESSIONAL EXPERIENCE

- Butler-Williams Scholar, National Institute on Aging 2023
- T32 Postdoctoral Scholar, National Institute of Child Health and Human Development 2022-Present
- F31 Predoctoral Fellow, National Institute of Arthritis and Musculoskeletal and Skin Diseases 2019-2021
- Research Fellow, Department of Social, Behavioral, and Population Sciences, School of Public Health and Tropical Medicine, Tulane University 2020-2022
- Graduate Research Assistant, Society, Health, and Racial Equity Lab, Auburn University 2016-2020
- Research Coordinator, Department of Population Health Sciences, School of Medicine and Public Health, University of Wisconsin-Madison 2015-2016

PUBLICATIONS

1. **Martz CD**, Benner AD, Goosby BJ, Mitchell C, Gaydos L. (in press). Structural Racism in Primary Schools and Changes in Epigenetic Age Acceleration among Black and White Youth. *Social Science & Medicine*.
2. **Martz CD**, Webb-Detiege T, Danila MI, Chae DC. (2024). “Sociodemographic Profiles and Organ Damage in the Black Women’s Experience Living with Lupus (BeWELL) Study”. *Lupus*. 2024;33(1):17-25.
3. **Martz CD**, Wang Y, Chung KW, Jiakponnah NN, Danila MI, Webb-Detiege T, Allen AM, Chae DH. (2023). “Incident Racial Discrimination Predicts Elevated C-Reactive Protein in the Black Women’s Experiences Living with Lupus (BeWELL) Study”. *Brain, Behavior, & Immunity*. 2023;112:77-84.
4. Oh H, **Martz CD**, Lincoln K, Taylor R, Neblett E, Chae DH. (2023). “Depression Impairment among Young Adult College Students: Exploring the Racial Paradox”. *Ethnicity & Health*. Mar 30:1-10.
5. Bridges J, Chung K, **Martz CD**, Smitherman E, Drenkard C, Wu C, Lin J, Lim SS, Chae DC. (2022). “Leukocyte Telomere Length and Childhood Onset of Systemic Lupus Erythematosus in the Black Women’s Experiences Living with Lupus (BeWELL) Study”. *ACR Open Rheumatology*, 4(5), 426-431.

6. Chae DH, Snipes A, Chung K, **Martz CD**, LaVeist TA. (2021). “Vulnerability and Resilience in Public Health Discourse and in the Context of COVID-19”. *American Journal of Public Health*, 111(10), 1736-1740.
7. Spears EC, Allen AM, Chung K, **Martz CD**, Hunter EA, Fuller-Rowell TE, Lim SS, Drenkard C, & Chae DH. “Anticipatory Racism Stress, Smoking, and Disease Activity: The Black Women’s Experiences Living with Lupus (BeWELL) Study”. *Journal of Behavioral Medicine*.
8. Chae DH, Yip T, **Martz CD**, Chung K, Richeson JA, Hajat A, Curtis DS, Rogers LO, LaVeist TA. (2021). “Vicarious Racism and Vigilance During the COVID-19 Pandemic: Mental health Implications among Asian and Black Americans”. *Public Health Reports*, 136(4), 00333549211018675.
9. **Martz CD**, Hunter EA, Kramer M, Wang Y, Chung K, Brown M, Drenkard C, Lim SS, Chae DH. (2021). “Pathways Linking Census Tract Typologies with Subjective Neighborhood Disorder and Depressive Symptoms in the Black Women’s Experiences Living with Lupus (BeWELL) Study”. *Health & Place*, 70(July, 2021), 102587.
10. Curtis DS, Washburn T, Lee H, Smith KR, Kim J, **Martz CD**, Kramer MR, & Chae DH. (2021). “Racial Violence and the Mental Health of Black Americans”. *Proceedings of the National Academies of Science*, 118(17), e2019624118.
11. Hunter EA, Spears EC, **Martz CD**, Chung K, Fuller-Rowell TE, Lim SS, Drenkard C, & Chae DH. (2020). “Racism-Related Stress and Psychological Distress: Black Women’s Experiences Living with Lupus (BeWELL) Study”. *Journal of Health Psychology*.
12. Chae DH, Wang Y, **Martz CD**, Slopen N, Yip T, Adler NE, Fuller-Rowell TE, Lin J, Matthews KA, Brody GH, Spears EC, Puterman E, & Epel ES. (2020). “Racial Discrimination and Telomere Shortening among African Americans: The Coronary Artery Risk Development in Young Adults (CARDIA) Study”. *Health Psychology*, 39(3), 209-219.
13. **Martz CD**, Allen AM, Fuller-Rowell TE, Spears EC, Chung K, Hunter EA, Lim SS, Drenkard C, & Chae DH. (2019). “Vicarious Racism Stress, Racial Discrimination, and Disease Activity: The Black Women’s Experience Living with Lupus (BeWELL) Study”. *Journal of Racial and Ethnic Health Disparities*, 6(5), 1044-1051.
14. Chae DH, **Martz CD**, Fuller-Rowell TE, Spears EC, Smith TTG, Hunter EA, Drenkard C, & Lim SS. (2019). “Racial Discrimination, Disease Activity, and Damage: The Black Women’s Experiences Living with Lupus (BeWELL) Study”. *American Journal of Epidemiology*, 188(8), 1434-1443.
15. Chae DH, Kramer MR, **Martz CD**, Hatzenbuehler ML, Cooper HLF, Turpin R, Stephens-Davidowitz S, & Clouston S. (2018). “Area Racism and Birth Outcomes among Blacks in the United States”. *Social Science and Medicine*, 199, 49-55.

Google Scholar: <https://scholar.google.com/citations?user=iiAseRoAAAAJ&hl=en>

Submitted/ Under Review

Del Toro J, **Martz CD**, Freilich CD, Rea-Sandin G, Markon K, Cole S, Krueger RF, Wilson S. “Epigenetic Age Acceleration among Ethnically/Racially Diverse Children and Adults in the United States”. Under review at the *American Journal of Epidemiology*.

Oh H, Pickering TA, **Martz CD**, Lincoln KD, Chae DC. “Ethno-racial Differences in Depression and Anxiety Impairment among Young Adult Students in Higher Education”. Under review at *Social Science & Medicine-Population Health* (revised & resubmitted).

Varner F, Woods-Giscomé C, **Martz CD**, Jelsma E, Holloway K, Lim SS, & Chae DH. “Superwoman Schema, Socioeconomic Status, and Disease Activity in the Black Women’s Experiences Living with Lupus (BeWELL) Study”. Under review at *Ethnicity & Health*.

Barnes S, Chung K, **Martz CD**, Chae DH, Rogers LO, Stafford J. “The Syndemic of COVID-19, Racism, and Economic Distress among Black Women and Associations with Mental Health Outcomes”. Under review at the *Journal of Racial and Ethnic Health Disparities*.

In-Progress

Martz CD, Coulter K, Farina MP, Benner AD, Gaydos L. “Bullying Victimization and DNA Methylation Age Acceleration: The Role of School Racial Composition”.

Martz CD, Ornelas L, Gasik R, Smith E, Gaydos L, Theall KP. “Associations between Exposure to Gun Violence and Epigenetic Aging During Adolescence”.

Martz CD, Smith E, Theall KP. “Gentrification, Off-Premise Alcohol Availability, and Domestic Violence Trends in New Orleans, LA (2018-2021)”.

Martz CD, Smith E, Esie P, Theall KP. “Gentrification and Exposure to Firearm in New Orleans, LA (2018-2021)”.

Textbook Chapters

1. Chae DH, Chung KW, Cunningham DJ, **Martz CD**, Smith EA, Cunningham M. (In press). Racism, Stigma, and the COVID-19 Pandemic. In: Duncan DT, Kawachi I, Morse SS., ed. The Social Epidemiology of the COVID-19 Pandemic. Oxford University Press.

RESEARCH SUPPORT

T32 HD007081 Cavanagh/Goosby (MPI) 9/2022-8/2024

National Institute of Child Health and Human Development

Training Program in Population Studies

The goal of this training program is to train PhD students and postdoctoral researchers to conduct research on population health, reproductive health, family demography, and work, education, and inequality.

Role: Postdoctoral Scholar

F31 AR076234 Martz (PI) 8/2019-12/2021

National Institute of Arthritis and Musculoskeletal and Skin Diseases

Biopsychosocial Mechanisms of Lupus Progression in African American Women

Doctoral research on the sociocontextual and psychosocial determinants of racial inequities in systemic lupus erythematosus.

Role: PI/Predocctoral Fellow

Not Funded

K99 AG086534

Martz (PI)

4/2024-3/2029

National Institute on Aging

School Structural Racism and Biological Aging from Childhood to Adulthood: An Epigenetic Approach

- Received an overall impact score of 48; to be resubmitted as K01

R24 AG077012

West/Sung-Hee (MPI)

12/2023-11/24

National Institute on Aging

Developing an Epigenetic Biomarker of Early-Life Exposure to Neighborhood Deprivation for Aging Research

Role: Pilot PI (Network for Innovative Methods in Longitudinal Aging Studies)

CONFERENCE PRESENTATIONS

Martz CD, Coulter K, Farina MP, Benner AD, Gaydos L. “Bullying, School Context, and Adolescent Epigenetic Aging”. Accepted for oral presentation at the TEXPOP Conference. May 2024.

Martz CD, Coulter K, Farina MP, Benner AD, Gaydos L. “Bullying Victimization and DNA Methylation Age Acceleration: The Role of School Racial Composition”. Accepted for oral presentation at the Population Association of America (PAA) 2024 research meeting. April 2024.

Martz CD, Benner AD, Goosby BJ, Mitchell C, Gaydos L. “Primary School Context and Accelerated Epigenetic Aging in Black and White Children”. Oral presentation at the Interdisciplinary Association for Population Health Sciences (IAPHIS) annual conference. October 2023.

Martz CD, Benner AD, Goosby BJ, Mitchell C, Gaydos L. “School Structural Racism and Accelerated Epigenetic Aging in Black and White Children”. Oral presentation at The Advances in Social Genomics Conference. June 2023.

Martz CD, Benner AD, Goosby BJ, Mitchell C, Gaydos L. “Primary School Context and Accelerated Epigenetic Aging in Black and White Children”. Poster presentation at the TEXPOP Conference. April 2022.

Martz CD, Hunter EA, Kramer MR, Chung K, Drenkard C, Lim SS, & Chae DH. “Racial Residential Segregation Shapes Exposure to Subjective Neighborhood Disorder and Subsequent Risk of Depressive Symptoms in the Black Women’s Experiences Living with Lupus (BeWELL) Study”. Virtual oral presentation at the University of Michigan RacismLab Conference on the Study of Racism: Structural Racism and Population Health Inequities. February 2021.

Martz CD, Hunter EA, Kramer MR, Chung K, Drenkard C, Lim SS, & Chae DH. “Latent Profile Analysis of Census Tract Characteristics and Risk Factors for Disease Progression in the Black Women’s Experiences Living with Lupus (BeWELL) Study”. Oral presentation at the Interdisciplinary Association for Population Health Sciences (IAPHIS) annual conference. October 2020.

Martz CD, Chung K, Lim SS, Drenkard C, & Chae DH. “Area-Level Poverty and Organ Damage in the Black Women’s Experiences Living with Lupus Study”. Poster presentation at the Interdisciplinary Association for Population Health Science (IAPHS) annual conference. October 2019.

Martz CD, Fuller-Rowell TE, Nuru-Jeter AM, Spears EC, Hunter EA, Lim SS, Drenkard C, & Chae DH. “Direct and Indirect Racism among African American Women with Lupus”. APA Division 45 Research Conference. July 2018. **Awarded honorable mention*

Martz CD, Fuller-Rowell TE, Nuru-Jeter AM, Spears EC, Hunter EA, Lim SS, Drenkard C, & Chae DH. “Vicarious Racism Stress Exposure and Disease Activity among African American Women with Systemic Lupus Erythematosus: The Black Women’s Experiences living with Lupus (BeWELL) Study”. American Public Health Association Annual Meeting. November 2018.

Published Conference Proceedings

Chung KW, **Martz CD**, Lutz B, Slopen N, Goosby BJ, Webb-Detiege TW, Chae DH. (2023). ‘Skin-deep resilience’ in the Black Women’s Experiences Living with Lupus (BeWELL) Study. *Lupus Science & Medicine*, 2023;10(LO-002).

Chung KW, Hunter EA, Bridges J, Smitherman EA, **Martz CD**, Danila MI, Chae DH. (2023). Adverse childhood experiences and disease activity: the role of trauma in the Black Women’s Experiences Living with Lupus (BeWELL) Study. *Lupus Science & Medicine*, 2023;10(LSO-022).

Chae DH, **Martz CD**, Chung KW, Cunningham DJ, Allen AM, LaVeist TA, Saag KG, & Danila MI. (2022). Racial Discrimination and Telomere Shortening: Findings from the Black Women’s Experiences Living with Lupus (BeWELL) Study. *Lupus Science & Medicine*, 9(Suppl 2).

Chae DH, **Martz CD**, Chung K, Thorpe R, Lincoln K. (2021). Older Black Americans and Depressive Symptoms During the COVID-19 Pandemic. *Innovation in Aging*, Jan;5(Suppl 1):1049-1049.

Bridges J, Chung K, **Martz CD**, Smitherman E, Drenkard C, Lim SS, & Chae DH. (2020). Leukocyte Telomere Length and Childhood Onset Of Systemic Lupus Erythematosus in the Black Women’s Experiences Living with Lupus (BeWELL) Study. *Arthritis & Rheumatology*, 72(suppl 10).

Chae DH, Chung K, **Martz CD**, Drenkard C, Lim SS, Lin J, & Epel EE. (2020). Telomere Length Predicts Mortality in the Black Women’s Experiences Living with Lupus (BeWELL) Study. *The Journal of Immunology*, 204(1), S224.52.

Symposium Presentations

Martz CD, Chung K, & Chae DH. “Interdisciplinary Rural African American Aging Research”. Auburn University College of Human Sciences Graduate Student Research Symposium. April 2019.

Martz CD, Fuller-Rowell TE, Nuru-Jeter AM, Spears EC, Hunter EA, Lim SS, Drenkard C, & Chae DH. “Vicarious Racism Stress and Disease Activity among African American Women with Systemic Lupus Erythematosus”. Southeastern Symposium on Child and Human Development. March 2019.

Martz CD, Fuller-Rowell TE, Nuru-Jeter AM, Spears EC, Hunter EA, Lim SS, Drenkard C, & Chae DH. “Vicarious Racism Stress and Direct Racial Discrimination Among African American Women with Systemic Lupus Erythematosus”. Auburn University Three Minute. March 2018. **Awarded second place*

Martz CD, Fuller-Rowell TE, Nuru-Jeter AM, Spears EC, Hunter EA, Lim SS, Drenkard C, & Chae DH. “Direct and Indirect Discrimination: The Role of Vicarious Racism on Disease Activity among African American Women with Systemic Lupus Erythematosus”. Auburn University This is Research: Student Symposium. March 2018.

Martz CD. “Health Disparities in the U.S. and Alabama”. Southeastern Symposium on Child and Human Development. March 2017.

Martz CD. “Health Disparities in the U.S. and Alabama”. Alabama-Germany Partnership: State of Healthcare in Alabama. March 2017.

INVITED TALKS

“Biosocial Mechanisms of Population Health Inequities”, Neighbors Research Group, School of Public Health, University of Michigan, December 2023.

“Advancing Biosocial Research on Health Inequities”, Department of Social and Behavioral Sciences, Harvard T.H. Chan School of Public Health, November 2023.

“Primary School Context, Structural Racism, and Pediatric Epigenetic Aging”, Biosocial Working Group, Population Research Center, University of Texas at Austin, February 2023.

“Advancing Research on Biosocial Mechanisms of Racism and Health”, Friday Seminar Series, Population Research Center, University of Texas at Austin, January 2023.

“The Social Epidemiology of Systemic Lupus Erythematosus and Mechanisms of Disease Progression among Black Women”, Epidemiology Departmental Seminar, School of Public Health and Tropical Medicine, Tulane University, March 2022.

“Inequalities in Health: Does Society Make Us Sick?”, Departmental Seminar, School of Human Ecology, University of Wisconsin-Madison, November 2017.

TEACHING EXPERIENCE

Teaching Assistant

HUSC 5950/6950, “Seminar in Health Ecology and Equity”, College of Human Sciences, Auburn University, Spring 2021 (Instructor: David H. Chae)

Guest Lecturer

Pre-Conference Workshop, Spatial Techniques for Population Health & Health Equity Research, Interdisciplinary Association for Population Health Science Annual Conference, October 2023

EPID 6600, “An Introduction into Latent Profile Analysis for Social Epidemiology Research”, School of Public Health and Tropical Medicine, Tulane University, February 2022 (Instructor: Kat Theall)

EPID 7100, “Measuring Neighborhood Built and Social Environment: An Introduction into Latent Profile Analysis”, School of Public Health and Tropical Medicine, Tulane University, October 2021 (Instructor: Kat Theall)

ACADEMIC HONORS

Butler-Williams Scholar, National Institute on Aging	2023
Master’s Thesis Award, Auburn University (<i>one of six University-wide</i>)	2020
Ruth L. Kirschstein National Research Service Award, National Institutes of Health	2019-2021
Outstanding Master’s Student Award, Auburn University (<i>one of 11 University-wide</i>)	2019
Graduate School Council Travel Fellowship, Auburn University	2018
Han Soo Chae Memorial Fund for Excellence, Auburn University	2018
HDFS Graduate Student Excellence Travel Award, Auburn University	2018, 2019
Dean’s High Honors, University of Wisconsin – Madison	2015-2016
Dean’s Honors, University of Wisconsin – Madison	2014

PROFESSIONAL DEVELOPMENT

Butler-Williams Scholars Program, National Institute on Aging	2023
Genomics for Social Scientists-Epigenetics Workshop, University of Michigan	2023
VUSNAPS Biomarker Data Workshop, Vanderbilt University	2023
Biological Age Measurement Workshop, University of Texas at Austin	2022
Introduction to Causal Inference Short Course, Inter-university Consortium for Political and Social Research (ICPSR) Summer Program	2020
Assessing Neighborhoods in Epidemiology Workshop, Columbia University Mailman School of Public Health	2020

PROFESSIONAL SERVICE

Peer Review

American Journal of Epidemiology
Annals of Behavioral Medicine
Health Psychology
Journal of Racial and Ethnic Health Disparities

Journal of the American Academy of Child and Adolescent Psychiatry
 Psychosomatic Medicine
 Psychoneuroendocrinology
 Social Science & Medicine

Conference Abstract Reviewer

Interdisciplinary Association for Population Health Sciences Annual Conference	2021, 2022
Society for Epidemiologic Research Annual Conference	2021

Professional Organization Service

Discussant, Population Association of American Annual Research Meeting	2023
Instructor, Spatial Techniques for Population Health & Health Equity Research, Pre-Conference Workshop, Interdisciplinary Association for Population Health Science	2023
Moderator, Plenary Session, Interdisciplinary Association for Population Health Science Annual Conference	2022
Student Committee Member, Interdisciplinary Association for Population Health Science	2020-2023

University and College Service

Invited Speaker, Community & Nonprofit Leadership Symposium (CSCS254), University of Wisconsin-Madison	2023
Coordinator, Social Determinants of Health Brown Bag Series, Society, Health, and Racial Equity Lab, Auburn University	2019-2021
Vice President, Graduate Student Organization, Department of Human Development and Family Science, Auburn University	2017-2019
Coordinator, Community Advisory Board, Society, Health, and Racial Equity Lab, Auburn University	2017-2019

PROFESSIONAL AFFILIATIONS

Gerontological Society of America	2023-Present
Population Association of America	2023-Present
Interdisciplinary Association for Population Health Science	2019-Present
American Public Health Association	2018-2021
American Psychological Association – Division 45, Society for the Psychological Study of Culture, Ethnicity and Race	2018

ADDITIONAL INFORMATION

Employment

Project Coordinator, Division of Policy, Planning, and Evaluation, Public Health Madison & Dane County	2016
West Nile Virus Surveillance Technician, Division of Environmental Health Public Health Madison & Dane County	2015

International Experience

Study Abroad, Agriculture, Health, and Nutrition in Mukono, Uganda, College of Letters and Sciences, University of Wisconsin-Madison 2015

Select Recognition in Media

The Hill. White parents: Talking to your children about racism is part of the solution. July 11, 2020.

Today. From the cradle to the grave: How systemic racism affects Black women's health. July 28, 2020.

CNN. Elderly, ill, and Black in a pandemic: 'I'm doing everything I can to not get this virus'. September 1, 2020.

Kaiser Health News. Why Black aging matters, too. September 3, 2020.

The Rheumatologist. Conquering systemic racism in medicine. October 19, 2020.

American Association for the Advancement of Science (AAAS). Racial discrimination linked to increased inflammation among Black women with systemic lupus erythematosus, study finds. August 8, 2023

HealthDay. Racial discrimination linked to increased CRP in Black women with lupus. August, 14, 2023.

Lupus Foundation of America. Inside Lupus Research: Racial discrimination linked to inflammation in Black women with lupus. August 23, 2023

Community Service

Founder and Advisory Board Member, Camp Kesem at Auburn University 2019-2022