

## Current Positions

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University of North Carolina, Chapel Hill – Assistant Professor 2024-

Department of Epidemiology

- Social Epidemiology
- Occupational and Environmental Epidemiology
- Community-Engaged Research

North Carolina Environmental Justice Network – Community Engaged Researcher 2015-

Co-Directors: Chris Hawn, Rania Masri

- Support research agenda set by the Concerned Citizens of West Badin Community (former aluminum smelting workers)
- Help plan and coordinate the annual Environmental Justice Summit and quarterly meetings
- Provide technical assistance to community organization members of the network

## Education

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PhD – Epidemiology April 2020

University of North Carolina Gillings School of Global Public Health, Chapel Hill, NC

Dissertation Title: *Disparities in Work Exposures, Health, and Mortality at the Alcoa Aluminum Smelting Facility in West Badin, North Carolina.*

MS – Social Epidemiology May 2015

Harvard University TH Chan School of Public Health, Boston, MA

Thesis Title: *Housing Quality, Neighborhood Violent Crime, and Pediatric Cardiovascular Health: A Spatial and Hierarchical Analysis of Children Living in the Boston Vital Villages Network.*

BS – Biological Anthropology May 2010

University of Colorado, Boulder, CO

Honors Thesis Title: *Everybody Has That: Singaporean Parenting Practices Challenging State Regulated Definitions.* (Awarded Summa cum Laude)

## Research Interests

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I am an occupational epidemiologist with particular interest in health equity and community engaged methodologies. My research is focused on the ways in which historical and structural inequalities produce health disparities. I seek involvement in social and environmental justice-focused research that both critically complicates traditional study of health and illness while also supporting social change. I value collaboration across academic disciplines as well as with individuals in community, non-profit, and government settings to creatively address workplace injustices.

## Past Positions

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- Union of Concerned Scientists – Kendall Fellow 2023-2024  
Global Security Program  
Supervisor: Laura Grego
- Increase understanding of the adverse impacts of nuclear weapons on diverse communities
  - Develop research on health impacts relating to radiation exposure from the Hanford Nuclear Site in Washington State in collaboration with local community organizations
  - Advise on organizational implementation of community engaged research methods
- DataWorks NC – Health Data Analyst 2018-2023  
Executive Director: John Killeen
- Contribute to community-led research and data projects about housing equity in Durham, NC
  - Develop reproducible workflows, online tools, and spatial data analyses in response to community questions
  - Participate in meetings and workshops with community partners to represent and inform analyses
- NC Occupational Safety and Health Education and Research Center – Postdoctoral Fellow 2021-2022  
Faculty Advisor: David Richardson
- Provided quantitative analyses to support the Concerned Citizens of West Badin Community organizing
  - Analyzed trends in North Carolina workplace exposures to COVID-19
  - Led statewide investigation of racial and ethnic disparities in workplace fatalities
- North Carolina Department of Health and Human Services – Senior Epidemiologist July 2020-July 2021  
Communicable Disease Branch, COVID-19 Response  
Supervisor: Erica Wilson
- Analyzed trends in outbreak and cluster surveillance data
  - Interfaced with local health departments to assess barriers to data collection and resource distribution
  - Served as data support for the occupational cluster work stream
- Duke University Math Department “Data+” Program – Project Manager 2017, 2019 (summers)  
Faculty Lead: Paul Bendich
- Program Description: Selective 10-week summer program in which teams of undergraduates collaborate on interdisciplinary teams to provide data-driven support to community-engaged projects
  - 2019 Project Title: Trends and Patterns in Durham Evictions
    - Key finding: Evictions are on the rise in Durham, and they have impacts at the city, community, and family level; these impacts are disproportionately felt by poor families and families of color
  - 2017 Project Title: Social and Spatial Patterning of Health Disparities in Durham
    - Key finding: Maps are valuable tools to facilitate dialogues between community groups and local political representation about health disparities
  - Coordinated team of students cleaning and analyzing data in the Durham Neighborhood Compass online mapping tool
  - Facilitated collaboration with community partners and local health department
  - Advised on study design, analytical decisions, and methodology
- EpiScholars Program – Intern 2016 (summer)  
Mentor: Aley Joseph
- Program Description: Competitive program in collaboration with Seattle & King County, New York, and Los Angeles Health Departments which aims to expand research capacities of urban health departments,

while providing a training ground for future public health leaders.

- Project Title: Mental Health Utilization Patterns within Seattle's School-Based Health Centers
  - Key Finding: A greater proportion of female students, white students, and those in good academic standing used mental health services than were represented in the student body
- Designed and conducted quantitative analyses of utilization and diagnoses
- Developed narratives around health center patient representativeness of student population
- Contributed to program design and report generation

UCB Biosciences Inc – Epidemiology Intern

2016

Principal Investigators: Linda Kalilani

- Supported signal detection and evaluation activities
- Conducted literature reviews on incidence and prevalence of specific diseases under study
- Contributed to analyses of company safety data, population-based health statistics, and administrative databases (clinical care and prescription claims, electronic health records)

Boston Medical Center & HealthNet Community Health Centers – Research Assistant

2011-2015

Principal Investigators: William G. Adams, Renee Boynton-Jarrett, and Patricia Kavanagh

- Conducted analyses of health disparities, housing and care access, and sickle cell disease care
- Developed spatial analyses and informatics translation for patient and physician audiences
- Collaborated with community groups to inform and revise analyses and reports

Harvard TH Chan School of Public Health – Research Assistant

2014-2015

Principal Investigators: Cassandra Okechukwu and Ichiro Kawachi

- Developed literature reviews
- Assisted with study design and grant proposal drafting
- Conducted analyses of workplace sleep intervention for eldercare facility employees

University of Colorado, Boulder – Research Assistant

2007-2010

Principal Investigator: Carole McGranahan

- Project Title: Cross-cultural maternal care practices as they interact with state regulations
- Assisted with survey design as well as qualitative data collection and coding
- Conducted independent case study of parenting and racial identity laws in Singapore

## Publications

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### Peer-Reviewed Publications

1. **Elizabeth S. McClure**, Amelia T. Martin, Shabbar I. Ranapurwala, Maryalice Nocera, John Cantrell, Steven Marshall, David B. Richardson. *Forty Years of Struggle in North Carolina: Workplace segregation and fatal occupational injury rates*. American Journal of Industrial Medicine 2024; Epub ahead of print. PMID: 38606790.
2. **Elizabeth S. McClure**, Shabbar I. Ranapurwala, Maryalice Nocera, David B. Richardson. *Heat-Related Fatalities in North Carolina 1999-2017*. American Journal of Industrial Medicine 2024; Epub ahead of print. PMID: 38624268.
3. **Elizabeth S. McClure**, Whitney R. Robinson, Pavithra Vasudevan, Mark R. Cullen, Steven Marshall, Elizabeth Noth, David Richardson. *Disparities in Job Characteristics by Race and Sex in a Southern Aluminum Smelting Facility*. American Journal of Industrial Medicine 2023; 66 (4): 307-319. PMID: 36748848.
4. **Elizabeth S. McClure**, Danielle R. Gartner, Ronny A. Bell, Theresa H. Cruz, Maryalice Nocera,

Stephen W. Marshall, David B. Richardson. *Challenges with misclassification of American Indian/Alaska Native race and Hispanic ethnicity on death records in North Carolina occupational fatalities surveillance*. *Frontiers in Epidemiology* 2022 Oct; 2.

5. **Elizabeth S. McClure**, Pavithra Vasudevan, Zinzi Bailey, Snehal Patel, Whitney R Robinson. *Racial Capitalism Within Public Health—How Occupational Settings Drive COVID-19 Disparities*. *American Journal of Epidemiology* Nov 2020; 189 (11): 1244–1253. PMID: 32619007. PMCID: PMC7337680.
6. **Elizabeth S. McClure**, Pavithra Vasudevan, Nathan DeBono, Whitney R. Robinson, Stephen W. Marshall, David Richardson. *Cancer and noncancer mortality among aluminum smelting workers in Badin, North Carolina*. *American Journal of Industrial Medicine* 2020; 63 (9): 755-765. PMID: 32649003.
7. **Elizabeth S. McClure**, Lydia Feinstein, Evette Cordoba, Christian Douglas, Michael Emch, Whitney R. Robinson, Sandro Galea, Allison E. Aiello. *The legacy of redlining in the effect of foreclosures on Detroit residents' self-rated health*. *Health & Place*. 2019 Jan; 9-19. PMID: 30448354.
8. **Elizabeth McClure**, Lydia Feinstein, Sara Ferrando-Martinez, Manuel Leal, Sandro Galea, Allison E. Aiello. 2018. *The Great Recession and Immune Function*. RSF: The Russell Sage Foundation Journal of the Social Sciences 4(4). DOI: 10.7758/RSF.2018.4.4.04. PMID: 30288397. PMCID: PMC6168205.
9. **Elizabeth McClure**, Jared Ng, Kelly Vitzthum, Rima E. Rudd. *A Mismatch between Patient Education Materials about Sickle Cell Disease and the Literacy Level of their Intended Audience*. *Preventing Chronic Disease*. 2016; 13. E64. PMID: 27172259.
10. Keisha L. Bentley-Edwards, Olanrewaju Adisa, Kennedy Ruff, Whitney R. Robinson, **Elizabeth S. McClure**. *Race, racism, and covid-19 in the US: lessons not learnt*. *BMJ*. 2024;384:e076106. PMID: 38408791.
11. Chelsea L. Martin, Morgan Richey, David B. Richardson, Maryalice Nocera, John Cantrell, **Elizabeth S. McClure**, Steven Marshall, Shabbar I. Ranapurwala. *25-Year fatal workplace suicide trends in North Carolina: 1992-2017*. *American Journal of Industrial Medicine*. 2024; 67(3):214-223. PMID: 38197263.
12. Chelsea L. Martin, Morgan Richey, David B. Richardson, Maryalice Nocera, John Cantrell, **Elizabeth S. McClure**, Steven Marshall, Shabbar I. Ranapurwala. *Twenty-five year occupational homicide mortality trends in North Carolina: 1992-2017*. *Injury Prevention*. 2024:ip-2023-044991. Epub ahead of print. PMID: 38355295.
13. Ashley S. D'Inverno, Ranell L. Myles, Calla R. Jamison, Samantha P. Williams, Liesl M. Hagan, Senad Handanagic, Lauren A. Lambert, Kristie E. N. Clarke, Jeffery Allen, Olivia Beard, Charles Dusseau, Rachel Feldman, Rebecca Huebsch, Justine Hutchinson, Denise Kall, Jessica King-Mohr, Michael Long, **Elizabeth S. McClure**, Paul Meddaugh, Pam Pontes, Jaqueline Rose, Megan Sredl, Brittany VonBank, Jennifer Zipprich. *Racial, Ethnic, Sex, and Age Differences in COVID-19 Cases, Hospitalizations, and Deaths Among Incarcerated People and Staff in Correctional Facilities in Six Jurisdictions, United States, March-July 2020*. *Public Health Reports*. 2023 Aug. PMID: 37610647.
14. Sara E. Luckhaupt, Libby Horter, Matthew R. Groenewold, Marie A. de Perio, Jessica N. Ricaldi, Cheryl L. Robbins, PhD, Marie Haring Sweeney, Isabel Thomas, Diana Valenci, **Elizabeth S. McClure**, Kim Gaetz. *COVID-19 Outbreaks Linked to Workplaces — 23 Jurisdictions, August–October 2020*. *Public Health Reports*. 2023 Mar-Apr;138(2):333-340. PMID: 36482712; PMCID: PMC9742731.
15. Amelia T. Martin, **Elizabeth S. McClure**, Shabbar I. Ranapurwala, Maryalice Nocera, John Cantrell, Steven Marshall, David B. Richardson. *Fatal occupational injuries in North Carolina, 1992-2017*. *Occp Environ Med*. 2023 Nov. PMID: 37940382.
16. David B. Richardson, Amelia T. Martin, **Elizabeth S. McClure**, Maryalice Nocera, John Cantrell, Shabbar I. Ranapurwala, Steven Marshall. *Forty-year trends in fatal occupational injuries in North Carolina*. *Am J Ind Med*. 2023 Nov. PMID: 37970734.
17. David B. Richardson, Stephen R. Cole, Amelia T. Martin, **Elizabeth S. McClure**, Maryalice Nocera, John Cantrell, Shabbar I. Ranapurwala, Steven Marshall. *Disparities in Fatal Occupational Injury Rates in North Carolina, 1978-2017: Comparing Non-Managerial Employees to Managers*. *Epidemiology*. 2023 Sep; 34(5):741-746. PMID: 37255241.

18. Audrey Renson, Alexis C. Dennis, Grace Noppert, **Elizabeth S. McClure**, Allison E. Aiello. *Interventions on socioeconomic and racial inequities in respiratory pandemics: a rapid systematic review*. *Curr Epidemiol Rep*. 2022; 9(2):66-76. PMID: 35287290.
19. White, Michelle J., **Elizabeth S. McClure**, John Killeen, Janna Howard, Asheley C. Skinner, Tracy Spears, and Eliana M. Perrin. *Changes in the Recreational Built Environment and Youth Body Mass Index*. *Academic Pediatrics* Jan-Feb 2021; 21(1): 76-83.
20. Michael D. Fliss, Danielle R. Gartner, **Elizabeth S. McClure**, Julia B. Ward, Stuart Rennie. *Public Health Private Names: examining increases in public health school branding and exploring harm reduction*. *Critical Public Health*. 2020: 1-7.
21. Julia B. Ward, Danielle R. Gartner, Katherine M. Keyes, Michael D. Fliss, **Elizabeth S. McClure**, Whitney R. Robinson. *How do we assess a racial disparity in health? Distribution, interaction, and interpretation in epidemiological studies*. *Annals of epidemiology*. 2019 Jan 29: 1-7. PMID: 30342887.
22. Noah Haber, Kathryn Andrews, Robin Audy, Winnie Bell, Alana T. Brennan, Alexander Breskin, Jeremy Kane, Mahesh Karra, **Elizabeth McClure**, Ellen Moscoe, Emily R. Smith, Elizabeth Suarez. *Causal language and strength of inference in academic and media articles shared in social media (CLAIMS): A systematic review*. *PloS one*. 2018; 13(5): e0196346.
23. Megan Sandel, Elena Faugno, Angela Mingo, Jessie Cannon, Kymberly Byrd, Dolores Acevedo Garcia, Sheena Collier, **Elizabeth McClure**, and Renée Boynton Jarrett. *Neighborhood-level interventions to improve childhood opportunity and lift children out of poverty*. *Academic pediatrics*. 2016; 16(3): S128-S135. PMID: 27044690.
24. Amy E. Sobota, Patricia L. Kavanagh, William G. Adams, **Elizabeth McClure**, Delmaude Farrell, Philippa Sprinz. *Improvement in Influenza Vaccination Rates in a Pediatric Sick Cell Disease Clinic*. *Pediatr Blood Cancer*. Dec 2014; 62(4):654-7. PMID: 25545967.
25. Patricia L. Kavanagh, Amy E. Sobota, **Elizabeth McClure**, Philippa G. Sprinz, William G. Adams. *Using an Electronic Health Record-Based Registry to Improve Pediatric Sick Cell Care*. *J Clin Outcomes Manag*. Mar 2014; 21(4):159-68.

#### Working Papers

1. **Elizabeth S. McClure** & Whitney R. Robinson. *Allegory for Understanding Structural Racism in Quantifying Health Disparities*. To be Submitted to American Journal of Epidemiology.
2. Pavithra Vasudevan & **Elizabeth S. McClure**. *Toxic Legacies: Racist Epidemiology and Abolitional Possibility*. To be submitted to Social Science and Medicine.

#### Other Publications

1. **Libby McClure** & John Killeen. *Tenant Demographics and Eviction Filings in Durham County*. DataWorks NC. October 2023. <https://dataworks-nc.org/wp-content/uploads/Tenant-Demographics-and-Eviction-Filings-in-Durham-County.pdf>.
2. **Libby McClure**. *Health Survey Questions on Racism: Community Input from Durham, NC*. DataWorks NC. August 2023. <https://dataworks-nc.org/wp-content/uploads/Racism-focused-Survey-Questions-Brief-Report-English.pdf>.
3. **Libby McClure**. *Data Equity Coalition: Community Conversations on Racism & Health*. DataWorks NC. March 2023. <https://dataworks-nc.org/wp-content/uploads/DataWorks-Report-on-Community-Conversations-Health-Equity.pdf>.
4. **Libby McClure** & L'Tanya Durante. *The Franchise Model of Inequity*. DataWorks NC. August 2022. <https://dataworks-nc.org/2022/the-franchise-model-of-inequity/>.
5. **Libby McClure** & L'Tanya Durante. *Anti-Racist Research and Community Organizing* (6 Part Blog Post Series). DataWorks NC. December 2019 – August 2021. [https://dataworks-nc.org/tag/antiracist\\_research/](https://dataworks-nc.org/tag/antiracist_research/).
6. The Epi & Justice Group (Esther Chung, Danielle Gartner, Jessica Islam, Corinna Keeler, Katherine LeMasters, **Elizabeth McClure**, Arbor Quist, & Adrien Wilkie) *Wait...Isn't All Epidemiology Social*

## Conference Presentations

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1. **Elizabeth S. McClure**, Candice Y. Johnson, Kaitlin Kelly-Reif, Kaori Fujishiro. *Work As A Structural And Social Determinant Of Health*. Interdisciplinary Association for Population Health Sciences. November 2023. Oral Presentation.
2. **Elizabeth McClure**. *Redlining and Health Research: Pitfalls and Possibilities*. Society for Epidemiologic Research Annual Meeting. June 2023. Oral Presentation, Session: Expanding upon the who, the what, and the how of health disparities research.
3. **Elizabeth S. McClure**. *Aluminum Smelting Work Exposures and Health in West Badin, North Carolina*. Southeast Regional Research Symposium (SERRS) / SouthOn Meeting. March 2022. Oral Presentation.
4. **Elizabeth S. McClure**. *Industry and occupation data within North Carolina COVID-19 cases*. American Public Health Association. Session: How Did Workers Fare during COVID-19? October 2021. Oral Presentation.
5. **Elizabeth McClure**. *Race-based metrics in occupational epidemiology: problems and implications for workers' compensation*. Interdisciplinary Association for Population Health Science. Session: Structural Racism & Population Health: Policies, Practices & Pathways. September 2020. Oral Presentation.
6. **Elizabeth McClure** & Pavithra Vasudevan. *Racist Epidemiology and Abolitional Possibility: The case of aluminum worker health research*. American Public Health Association. Session: Radical Science for Health Justice. November 2019. Oral Presentation.
7. Danielle Gartner, Jessica Islam, Corinna Keeler, Katherine LeMasters, **Elizabeth McClure**, Arbor Quist, & Adrien Wilkie. *Zine development as a pedagogical tool for critically evaluating how social justice and epidemiology relate*. American Public Health Association. Session: Fighting Forward: Pedagogies that Promote and Create a Radical Science for Health Justice. November 2019. Oral Presentation.
8. Macy Hinson, Richard Leak, **Elizabeth McClure**, & Pavithra Vasudevan. *West Badin Community Survey*. North Carolina Environmental Justice Summit. October 2019. Oral Presentation.
9. Pavithra Vasudevan & **Elizabeth McClure**. *Toxic Legacies: Racist Epidemiology and Abolitional Possibility*. American Association of Geographers. Session: Bodies, environments, subjectivities: new directions in health-environment geographies. April 2018. Oral Presentation.
10. **Elizabeth McClure** & Pavithra Vasudevan. *The health politics of industrial toxicity*. North Carolina Environmental Justice Summit. October 2017. Oral Presentation.
11. **Elizabeth McClure**, Lydia Feinstein, Christian Douglas, Whitney Robinson, Michael Emch, Sandro Galea, Allison Aiello. *The legacy of housing discrimination in Detroit through redlining and its influence on current neighborhood environment and self-rated health trajectories*. Society for Epidemiologic Research Annual Meeting. June 2017. Oral Presentation, Session: *The Socio-Political Construction of Health Disparities*.
12. **Elizabeth McClure**, Lydia Feinstein, Evette Cordoba, Christian Douglas, Michael Emch, Sandro Galea, Allison Aiello. *Examining the Legacy of Discrimination through Redlining and Its Influence on Current Neighborhood Environment and Self-Rated Health in Detroit*. Population Association of America 2017 Annual Meeting. April 2017. Oral Presentation, Session: Neighborhoods and Local Contexts of Health Risk.
13. **Elizabeth McClure**, Lydia Feinstein, Evette Cordoba, Christian Douglas, Michael Emch, Sandro Galea, Allison Aiello. *Importance of Resident Perspective on Abandoned Homes and Self-Rated Health*. Harvard School of Public Health, Forum on Population Health Equity. October 2016. Poster Presentation.
14. **Elizabeth McClure**, Lydia Feinstein, Sara Ferrando-Martinez, Manuel Leal, Sandro Galea, Allison

- Aiello. *Prevalence of abandoned homes in the neighborhood and thymic function*. Biomarker Network Meeting, Population Association of America. March 2016. Oral Presentation.
15. **Elizabeth McClure**, Marcia C. Castro, William G. Adams, Dolores Acevedo-Garcia, Renee Boynton-Jarrett. *Violent Crime Exposure and Pediatric Cardiovascular Health: A spatial and hierarchical analysis for low income children living in Boston*. Population Association of America 2015 Annual Meeting. April 2015. Oral Presentation, Session: Neighborhood and Contextual Influences on Health.
  16. Aley Joseph-Pallickaparambil, **Elizabeth McClure**, Sara Rigel, Kaetlin Miller. *Patterns in Mental Health Service Utilization Among Students in Seattle's School Based Health Centers*. Counsel of State and Territorial Epidemiologists Annual Meeting. June 2017. Oral Presentation.
  17. **Elizabeth McClure**, Caroline Karutu, Amara Iqbal, Tej Mishra, Patricia Kavanagh. *Uncovering the Patient Perspective in Adult Sickle Cell Disease Care*. Foundation for Sickle Cell Disease Research. April 2014. Oral Presentation.

## Invited Talks and Panels

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1. Panelists: **Elizabeth McClure**, Ryke Longest, Macy Hinson, Chandra Taylor, & Edgar Miller. *Poisoned Land, Poisoned Water*. Reimagining America Project, March 2023.
2. **Elizabeth McClure**. *Forging Research Partnerships with Community-Based Organizations*. Interdisciplinary Association for Population Health Science. July 2022.
3. **Elizabeth McClure**. *Environmental Justice Speaker Series*. Institute for Environmental Health Solutions, eQUity and Environmental JuSTice, (QUEST) undergraduate student internship University of North Carolina at Chapel Hill, June 2022.
4. **Elizabeth McClure**. *Racial Capitalism within Public Health – How workplaces drive disparities*. Environmental Sciences and Engineering In-house Seminar. Gillings School of Global Public Health, University of North Carolina at Chapel Hill. March 2022.
5. Panelists: John Killeen, Brandon Williams, **Elizabeth McClure**. *Leading in and with Community – Walltown and DataWorks*. Hart Leadership Program, Duke University. February 2022.
6. **Elizabeth McClure**. *Racial Capitalism in Occupational Epidemiology*. Total Worker Health Program. Gillings School of Global Public Health, University of North Carolina at Chapel Hill. November 2021.
7. Panelists: Zinzi Bailey, Gregg Gonsalves, Ashley Gripper, & **Elizabeth McClure**. Chairs: Jaquelyn Jahn & Catherine Duarte. *Building a Movement Accountable Research Process: How can epidemiologists partner with activists to produce actionable research?* Society for Epidemiologic Research Annual Conference. June 2021.
8. **Elizabeth McClure**. *Epidemiology for Community Organizing: Strengths & Limitations*. Data Dialogue Seminar. Social Science Research Institute, Duke University. March 2019.
9. Panelists: **Elizabeth McClure**, Nicole Robinson-Ezekwe, & Lenora Smith. *Uncovering Injustice: Revealing Narratives with Technology and Data*. 39<sup>th</sup> Annual Minority Health Conference, University of North Carolina at Chapel Hill. February 2018.
10. Panelists: Marie Garlock, Naeema Muhammad, **Elizabeth McClure**, & Snehal Patel. *Environmental and Occupational Health Panel*. UNC Clinical Medical Student Intensive Integration Course. November 2017.

## Research Funding

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### Training Grants

NC Occupational Safety and Health Education Research Center

Role: Postdoctoral Research Fellow

Funding Source: T42-OH008673

2021-



Mentors: David Richardson, Larry Engel, Leena Nylander-French

- Research Focus: Community-informed assessment of work exposure, injury, disease, and mortality disparities

Environmental Epidemiology Training Grant

2017-2020

Role: Pre-Doctoral Trainee

Funding Source: T32 ES007018

Mentor: David Richardson

- Research Focus: Race and gender disparities in occupational toxicity exposure among aluminum smelting workers in Badin, North Carolina

Carolina Population Center

2016-2020

Role: Pre-Doctoral Trainee

Funding Source: T32 HD007168

Faculty Fellow Preceptor: Whitney Robinson

2019-2020

- Research Focus: Historical and interdisciplinary perspectives in addressing race and gender health disparities resulting from workplace exposures

Faculty Fellow Preceptors: Allison Aiello and Michael Emch

2016-2019

- Research Focus: Examining historical determinants of health disparities through neighborhood environmental exposures
- Key Finding: Historical redlining shapes the relationship between foreclosures and health in Detroit

#### *Independent Grants*

CDC Foundation

April 2022

Role: Principal Investigator

Project Title: Data Equity Coalition – Durham, NC Site: Centering community concerns about structural racism and housing justice in population surveys

Amount Awarded: \$125,000

Carolina Center for Public Service

March 2019

Role: Principal Investigator

Project Title: Community Engagement Fellowship: West Badin, North Carolina Community Survey - Aluminum Smelting Work Exposures and Health

Amount Awarded: \$2,000

North Carolina Occupational Safety and Health Education and Research Center

January 2018

Role: Principal Investigator

Project Title: Aluminum Smelting Work Exposures and Health in West Badin, North Carolina

Amount Awarded: \$10,000

Undergraduate Research Opportunities Program, University of Colorado at Boulder

March 2009

Role: Principal Investigator

Project Title: State Regulations and Parenting in Singapore

Amount Awarded: \$2,000

#### *Scholarships*

Harvard TH Chan School of Public Health

October 2016

Population Health Equity Travel Award



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|---|---------------|
| Epidemiology Congress of the Americas<br>Russell Kirby Travel Scholarship                           | June 2016     |
| University of North Carolina Gillings School of Public Health<br>Annual Fund Scholarship            | August 2015   |
| Harvard TH Chan School of Public Health<br>Maternal Child Health Bureau Tuition Assistance Award    | January 2015  |
| Harvard TH Chan School of Public Health<br>Women, Gender, and Health Concentration Conference Award | November 2013 |
| University of Colorado at Boulder<br>Phi Beta Kappa Alpha Chapter Crispp Fellowship                 | August 2013   |

## Teaching Experience

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|---|---------------|
| EPID 718, Analytic Methods in Observational Epidemiology – Teaching Assistant<br>(3 <sup>rd</sup> core methods course in Epidemiology PhD sequence)   | 2017          |
| <ul style="list-style-type: none"> <li>• Lead Instructors: Brian Pence and Steve Marshall</li> <li>• University of North Carolina Gillings School of Global Public Health</li> </ul>                                    |               |
| Quantitative Social Science Design and Methods – Lead Instructor  | 2017 (summer) |
| <ul style="list-style-type: none"> <li>• Co-Instructor: Jan Hendrickson-Smith</li> <li>• University of North Carolina at Chapel Hill</li> <li>• Program: Carolina Population Center Undergraduate Internship</li> </ul> |               |
| EPID 799, Social Epidemiology Research Seminar – Co-Instructor  | 2016-2017     |
| <ul style="list-style-type: none"> <li>• Co-Instructor: Allison Aiello</li> <li>• University of North Carolina Gillings School of Global Public Health</li> </ul>   |               |
| EPID 826, Introduction to Social Epidemiology – Teaching Assistant  | 2016          |
| <ul style="list-style-type: none"> <li>• Lead Instructor: Allison Aiello</li> <li>• University of North Carolina Gillings School of Global Public Health</li> </ul>   |               |
| SBS 275, Measuring the Health Literacy Environment – Teaching Assistant   | 2015          |
| <ul style="list-style-type: none"> <li>• Lead Instructor: Rima Rudd</li> <li>• Harvard TH Chan School of Public Health</li> </ul>   |               |
| SBS 201, Society & Health – Teaching Assistant  | 2014          |
| <ul style="list-style-type: none"> <li>• Lead Instructor: Ichiro Kawachi</li> <li>• Harvard TH Chan School of Public Health</li> </ul>  |               |

## Awards & Honors

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|---|--------------|
| North Carolina Environmental Justice Network  | October 2023 |
| <ul style="list-style-type: none"> <li>• <i>Steve Wing International Environmental Justice Award</i></li> </ul> |              |
| University of North Carolina at Chapel Hill   | April 2020   |

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| <ul style="list-style-type: none"> <li>• <i>Delta Omega Honorary Society in Public Health</i></li> </ul> | University of North Carolina at Chapel Hill, Graduate Education Advancement Board | November 2019 |
| <ul style="list-style-type: none"> <li>• <i>Dissertation Impact Award</i></li> </ul>                     | Carolina Population Center Undergraduate Internship Program                       | August 2017   |
| <ul style="list-style-type: none"> <li>• <i>Excellence in Mentorship Award</i></li> </ul>                | Boston Vital Villages Network   | January 2014  |
| <ul style="list-style-type: none"> <li>• <i>Emerging Leader Award</i></li> </ul>                         | University of Colorado at Boulder   | May 2010      |
| <ul style="list-style-type: none"> <li>• <i>Commencement Speaker</i></li> </ul>                          | University of Colorado at Boulder   | August 2009   |
| <ul style="list-style-type: none"> <li>• <i>Phi Beta Kappa</i></li> </ul>                                | University of Colorado at Boulder   | 2006-2010     |
| <ul style="list-style-type: none"> <li>• <i>Dean's List</i></li> </ul>                                   | University of Colorado at Boulder   | 2006-2010     |
| <ul style="list-style-type: none"> <li>• <i>Gold Award (Equivalent to Eagle Scout)</i></li> </ul>        | Girl Scouts of America  | May 2006      |

## Service & Affiliations

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### Service

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|---|--------------|
| North Carolina Environmental Justice Network, Durham, NC  | 2016-present |
| <ul style="list-style-type: none"> <li>• <i>Planning Committee Member and Coordinator</i></li> </ul>          |              |
| Epidemiology & Justice Group, University of North Carolina at Chapel Hill                                     | 2017-2020    |
| <ul style="list-style-type: none"> <li>• <i>Organizing and Founding Member</i></li> </ul>                     |              |
| Duke Adaptive <i>Climbing</i> for Persons with Disabilities, Durham, NC                                       | 2015-2020    |
| <ul style="list-style-type: none"> <li>• <i>Rock Climbing Coach</i></li> </ul>                                |              |
| Student Health Action Coalition, Carrboro, NC   | 2015-2018    |
| <ul style="list-style-type: none"> <li>• <i>STI Counselor</i></li> </ul>                                      |              |
| Minority Health Conference, Chapel Hill, NC   | 2015-2017    |
| <ul style="list-style-type: none"> <li>• <i>Community Outreach and Evaluation Committee Member</i></li> </ul> |              |
| Vital Village Network, Boston, MA   | 2014-2015    |
| <ul style="list-style-type: none"> <li>• <i>Research and Evaluation Committee Member</i></li> </ul>           |              |
| Hole in the Wall Camp for Seriously Ill Children, Ashford, CT   | 2011-2015    |
| <ul style="list-style-type: none"> <li>• <i>Rock Climbing Instructor</i></li> </ul>                           |              |
| Colorado State Legislature House Democratic Party Office, Denver, CO  | 2009-2010    |
| <ul style="list-style-type: none"> <li>• <i>Constituent Communications Intern</i></li> </ul>                  |              |
| Boulder County AIDS Project, Boulder, CO  | 2008-2010    |
| <ul style="list-style-type: none"> <li>• <i>LGBTQ Resource Counselor</i></li> </ul>                           |              |

### Scientific Journal Peer Review

American Journal of Epidemiology, Social Science and Medicine, Journal of Health Care for the Poor and Underserved, PloS One, Preventing Chronic Disease, Annual Review of Public Health, Environmental Health Perspectives, American Journal of Industrial Medicine, British Medical Journal, Journal of Urban Affairs

### Affiliations

American Public Health Association, Council of State and Territorial Epidemiologists, Society for Epidemiologic Research, Interdisciplinary Association for Population Health Science, Population Association of America

### Skills & Competencies

Software: R, SAS, Stata, Github, PostGIS, MLwiN, GeoDa, QGIS, ArcGIS, i2b2, EPIC

Language: Italian (conversational skill level), Spanish (basic skill level)