

GRACE A. NOPPERT

PhD, MPH, MA

Updated November 2025

Professional Positions

Research Assistant Professor | Social Environment and Health | 2021 – current

Survey Research Center | Institute for Social Research | University of Michigan

Research Investigator | Social Environment and Health | 2020 – 2021

Survey Research Center | Institute for Social Research | University of Michigan

K99/R00 Scholar | National Institute on Aging | 2019 – 2024

Research: social drivers of infectious disease, life course perspectives, social epidemiology, infectious disease epidemiology, population health.

Education & Training

Postdoctoral Scholar | University of North Carolina | Carolina Population Center

2018 – 2020

National Institute on Child Health and Human Development, T32 Postdoctoral Scholar (05/2018-09/2019)

Research: Immunosenescence, social epidemiology, social drivers of infectious disease, life course perspectives, population health

Mentors: Allison Aiello, & Robert Hummer

Postdoctoral Scholar | Duke University | Center for the Study of Aging and Human Development

2016 – 2018

National Institute on Aging, T32 Aging Training Program

Research: Aging, sociology life course epidemiology, immunosenescence

Mentors: Harvey J. Cohen, Angela O’Rand, & Allison Aiello

PhD in Epidemiology | University of Michigan | School of Public Health

2012 – 2016

Dissertation: Changing the Paradigm: Using an Integrative Approach to Improve Understanding of Tuberculosis Control in Michigan

Committee: Mark Wilson (Co-Chair), Zhenhua Yang (Co-Chair), Philippa Clarke, Wen Ye, & Peter Davidson

MPH in Epidemiology | Columbia University | Mailman School of Public Health

2010 – 2012

Thesis: Socioeconomic Indicators of Global TB Rates

MA in Teaching Secondary Science | Johns Hopkins University | School of Education

2008 – 2010

Thesis: Portfolio in teaching middle and high school science

BA in Biology | DePauw University

2004 – 2008

Minor: English Literature

Research Support

ACTIVE

National Institute on Aging | Research Centers Collaborative Network | Multiple Principal Investigator (with Kate Duchowny & Carrie Karvonen-Gutierrez)

Project Title: Biomarkers of Aging Among Women Across the Life Course

Time Period: 09/01/2025-09/01/2026

Institute for Social Research | Rural Health Pilot | Co-Investigator

Project Title: Wastewater Surveillance of Common Respiratory Pathogens: Leveraging Micropolitan and Site-specific data for Improved Estimates of Disease Burden in Rural Communities

Time Period: 06/01/2025-06/01/2026

National Institute of Nursing Research | U01NR020556 | Multiple Principal Investigator (with Philippa Clarke)

The consequences of the COVID-19 pandemic have been unequally felt by individuals and communities across the United States. To understand these patterns, we will create, integrate, and share data on neighborhood characteristics, both before and since the pandemic, which can be readily linked to existing survey or cohort studies at various levels of geography. This national neighborhood data resource will support the scientific community in

understanding the mechanisms that may convey risk and resilience, particularly in underserved and vulnerable populations, and will allow us to more effectively prepare for the next public health emergency.

Time Period: 04/14/22 – 01/31/27

National Institute on Aging | R01AG075719 | Multiple Principal Investigator (with Allison Aiello)

Project Title: Immunosenescence, socioeconomic disadvantage and dementia in the US aging population

Project Summary: Many questions remain regarding the role of immunity in the etiology of cognitive decline and Alzheimer's Disease and related dementias (ADRD). Using the Health and Retirement Study (HRS), we will examine associations between peripheral immunosenescence and cognitive function, decline, and incident ADRD, with specific attention to social inequalities in these processes. At its conclusion, this study will yield critical insights to our understanding of the pathophysiology of cognitive decline and ADRD, creating new opportunities for early detection and targeting at the population level.

Time Period: 03/01/22 – 11/30/27

National Institute on Child Health and Human Development | R01HD111446 | Co-Investigator

Project Title: Intergenerational disadvantage and pediatric health disparities in acute respiratory illness and diarrhea

Time Period: 8/01/2024-8/01/2029

National Institute on Aging | R24AG045061 | Co-Investigator

Project Title: Network on Life Course Health Dynamics and Disparities in the 21st Century

Time Period: 8/15/2024 – 8/15/2029

National Institute on Aging | R24AG065159 | Pilot Co-Investigator (PI: John Kubale)

Project Title: Interdisciplinary Network on Rural Population Health and Aging

This project will leverage data from the National Neighborhood Data Archive (NaNDA) to explore how the COVID-19 pandemic impacted rural populations in the US and what contextual factors influenced this impact.

Time Period: 12/15/2023 – 06/30/2024 (No cost extension)

National Institute on Aging Biomarker Network | Pilot | Multiple Principal Investigator (with Kate Duchowny)

Project Title: Cellular and Subcellular Biomarkers of Aging as Mechanisms to Understand Biological Expressions of the Social Environment: The Relation Between Viral Burden, T cell immunosenescence, and Mitochondrial Bioenergetics.

Time Period: 05/01/2023 – 05/01/2024 (No cost extension)

National Institute on Aging | Health Disparities Research Loan Repayment Award | Principal Investigator

Project Title: The Enduring Effects of Social Disadvantage on Life Course Processes of Immune Aging: A model for understanding health disparities

Time Period: 09/01/2020 – 06/30/2026

PENDING

Office of the Director of the National Institutes of Health | DP10D042265 | Principal Investigator

Project Title: Redefining Aging: Measuring Aging in Early Life through the Lens of Herpesviruses and Immunosenescence

Time Period: 09/01/2026-08/31/2031

Status: Under review

National Institute on Aging | 26-PAF02445 | Co-Investigator

Project Title: Harnessing Existing Biorepositories to Examine Novel Blood-Based Measures of Mitochondrial Function in Population-Based Aging Cohorts

PI: Kate Duchowny

Status: Under review

National Institute on Aging | R01AG075719 | Multiple Principal Investigator

Project Title: Immune Aging and Brain Health: Mechanisms of Cognitive Decline Across the Life Course

Time Period: 03/01/2022-03/31/2031

Status: Under review

National Institute of Allergy and Infectious Disease | 24-PAF08104 | Principal Investigator

Project Title: How respiratory infections gain a foothold in neighborhoods: epidemiological causes and consequences

Time Period: 04/01/2025-03/31/2030

Status: Under review

National Institute on Aging | 24-PAF07421 | Mentor

Project Title: Cytomegalovirus, midlife inflammation, and subclinical cardiovascular disease: the Study of Women's Health Across the Nation.

PI: Aleda Leis, K01 Application

Status: Under review

National Institute on Aging | 26-PAF02838 | Co-Investigator

Project Title: Novel Machine Learning Methods for Immunosenescence and Aging Research

PI: Gen Li

Status: Under Review

National Institute on Aging | P01AG097390 | Multiple Principal Investigator, Contact PI

Project Title: The National Neighborhood Data Archive: A Resource to Understand Health Risk and Resilience for Aging in The United States

Time Period: 12/1/2025-11/30/2030

Status: In over-the-cap process; Resubmission January 2026

COMPLETED

National Institute on Aging | K99/R00AG062749 | Principal Investigator

Project Title: Early-Life Social Disadvantage and its Impact on Pathogen Burden and Immune Dysfunction Across the Life Course

Project Summary: Disparities in aging persist despite robust efforts to ameliorate them. Sociobiological processes beginning in childhood are increasingly being examined as critical drivers of these disparities. This project seeks to explore the impact of early life experiences of poverty and stress on later life inflammation and immune dysfunction, with a specific focus on infectious burden as a key mediator of these processes.

Time Period: 09/01/2019 – 4/30/2024 (No cost extension)

National Institute of Health | Network on Life Course Health Dynamics and Disparities in the 21st Century | R24AG045061 | Pilot Principal Investigator

Project Title: Examining How the Social and Physical Neighborhood Environment Shapes the Distribution of SARSCoV-2 Infections in the U.S.

Project Summary: The long-term goal of this research is to identify neighborhoods that will likely have lasting social and economic consequences from the COVID-19 pandemic so that we can then begin to understand the implications for population health trends going forward, and particularly age-related decline and disease trends.

Time Period: 11/01/2021 – 06/30/2022

National Institute on Aging/University of Michigan Pepper Center | P30AG024824 | Pilot Principal Investigator

Project Title: Viral Infection Burden and Immunosenescence

Project Summary: Our long-term goal is to examine the role of viral infections in driving population-level patterns of immune aging, specifically senescent immune cells/inflammatory profiles. The overall objective of the current application is to test for the presence and viral load of five herpesviruses and to estimate the association between viral infection load and senescent immune cells/inflammatory profiles.

Time Period: 07/01/2021 – 6/30/2022

Infectious Disease Society of America | Grant | Co- Investigator

Project Title: The Role of Dementia-Associated Pathogen Burden in the Development of Alzheimer’s Disease and Other Dementias

Amount: \$50,000

Time Period: 05/01/2019 – 05/01/2020

Eunice Kennedy Shriver National Institute of Child Health and Human Development 1 T32- HD091058-01 | Trainee (Principal Investigators: Allison Aiello & Robert Hummer)

Grant Title: From Biological to Social Processes: Interdisciplinary Training in Life Course Research

Time Period: 04/30/2018 – 05/01/2019

National Institute on Aging | 5 T32- AG000029-41 | Trainee (Principal Investigator: Harvey Cohen)

Grant Title: Behavior and Physiology in Aging

Time Period: 08/01/2016 – 04/30/2018

Rackham Dissertation Fellowship Award | One-Term

Research award to support doctoral trainees during the last semester of their dissertation research

Time Period: 2016

Rackham Dissertation Fellowship Award

Project Title: Socio-demographic Characteristics of Tuberculosis in Metro Detroit

Time Period: 07/01/2014 – 05/01/2016

Robert Wood Johnson Foundation | 70278 | Health and Society Scholars Program

Project Title: Social and Behavioral Determinants of Tuberculosis Risk in Michigan.

Amount: \$18,750

Time Period: 09/01/2014 – 08/31/2015

Peer Reviewed Publications

2025

1. Zhu P, **Noppert GA**, Fu M, Benbow M, Kobayashi LC, Ryan LH, Bakulski KM, & Ware EB. "Associations of Perceived Neighborhood Factors and Alzheimer's Disease Polygenic Score with Cognition: Evidence from the Health and Retirement Study." Plos One. [In Press].
2. Duchowny KA, Zhang YS, Stebbins RC, Ma X, Chin JY, Chang VW, Aiello AE, & **Noppert GA**. "The Aging Immune System and All-Cause Mortality in Older Americans: Differences Across Sex and Race/Ethnicity." Immunity & Ageing. 2025; 22(1), 25.
3. He Y[^], Faul J, Duchowny KA, Stebbins R & **Noppert GA**. "Estimating the impact of an intervention to reduce the burden of cytomegalovirus (CMV) among older adults in the U.S." Lancet Regional Health, Americas. 2025; 47.
4. Xu L, Li C[^], Aiello AE, Dowd JB, Langa K, Li G^{*} & **Noppert GA^{*}** "Compositional Analysis of Lymphocytes and Their Relationship with Health Outcomes: Findings from the Health and Retirement Study. Immunity & Ageing. 2025; 22(1), 12. * indicates co-senior authors
5. Chemberlin EM[^], Duchowny KA, Probst J, Richardson E, Hegde ST, & **Noppert GA**. "Towards Relationality in Infectious Disease Research." Open Forum Infectious Disease. 2025; p.ofaf128. [Featured as Editor's Choice].

2024

6. Duchowny KA, Zhang Y, Clarke PJ, Aiello AE, & **Noppert GA**. "Examining the relationship between biomarkers of immune aging and prevalent disability in the Health and Retirement Study." *Brain, Behavior, and Immunity*. 2025; 125, 140-147.
7. **Noppert GA**, Wragg K, Li C, Duchowny K, Mody L, Aiello AE, Nyquist L, O'Brien M, Yung R, & Goldstein D. "Herpesvirus antibodies are correlated with greater expression of p16 in the T cells of humans." *Open Forum Infectious Disease*. 2024; 11 (12), ofae693.
8. Li C, **Noppert GA**, Zhang Y, Gross A, Al Hazzouri A, & Kobayashi L. "Education, urbanicity of residence, and cardiometabolic biomarkers among middle-aged and older populations in the U.S., Mexico, China, and India." 2024. *Social Science and Medicine Population Health* [In press].
9. Duchowny, KA, Diaz-Ramirez G, Boscardin JW, Perera R, Lin-Gomez S, Cawthorn P, **Noppert GA**, & Clarke, PJ. "The Neighborhood Environment and Handgrip Strength: Longitudinal Findings from the Health and Retirement Study." *Journals of Gerontology, Series A: Biological Sciences and Medical Sciences*. 2024; 79(11), pglae242.
10. Duchowny KA, Smith AK, Cenzer I, Brown C, **Noppert GA**, Yaffe K, Byers A, Perissinotto C, & Kotwal A. "The Prevalence of Lifetime Trauma and Associations with Physical, Psychological, and Social Domains of Health in the Last Years of Life." *Journal of the American Geriatrics Society*. 2025; 73(1), 123-135.
11. **Noppert GA** & Hegde ST. "The Cost of Neglect." 2024. *JAMA Network Open*. 2024; 7(9), ppe2431908-e2431908.
12. Rollings KA, **Noppert GA**, Griggs JJ, Ibrahim AM, Clarke PJ. "Comparing Area Deprivation and Social Vulnerability Index Performance Using Outcomes for Common Surgical Procedures among Medicare Beneficiaries." *JAMA Surgery*. 2024; 159(12): 1404-13.
13. Cone JE, Millien L, Pollari C, Brite J, Badger H, Kubale J, **Noppert G**, Hegde S, Brackbill R, & Farfel M. "The Association between Socioeconomic Status and Race/Ethnicity with Home Evacuation of Lower Manhattan Residents Following the 9/11/2001 World Trade Center Disaster. *International Journal of Environmental Research and Public Health*; 2024; 21(6), p.803.
14. **Noppert GA**, Clarke P, Stebbins RC, Duchowny KA, Melendez R, Rollings K, Aiello AE. "The Embodiment of the Neighborhood Socioeconomic Environment in the Architecture of the Immune System." *Proceedings of the National Academies of Science Nexus*. 2024; 3(7); p.page253.
15. MacConnachie L[^], Zhang YS, Farina M, Gutierrez C, Hoover A, He Y, Aiello AE, **Noppert GA**. "Impact of Incarceration and Homelessness on Immune Aging During Late Life." *Social Science and Medicine*. 2024; 347; p 11698.
16. **Noppert GA**, Clarke PJ, Hoover A, Kubale JT, Melendez R, Duchowny KA, Hegde ST. "State Variation in Neighborhood COVID-19 Burden: Findings from the COVID Neighborhood Project." *Nature Communications Medicine*. 2024; 4(1); 36.
17. Li Chihua[^], Stebbins RC, **Noppert GA**, Carney CX, Sapp ARM, Watson EJ, Aiello AE. "Peripheral Immune Function and Alzheimer's Disease and Related Dementias: A Critical Review and Synthesis." *Nature, Molecular Psychiatry*. 2023; 29(6); 1895-905.

2023

18. Guo B...**Noppert GA***, & Li C.^ "Identifying Patterns of Reported Findings on Long-Term Cardiac Complications of COVID-19: A Living Systematic Review and Meta-Analysis." *BMC Medicine*. 2023, 21, 468. *Corresponding author.
19. Rollings KA, **Noppert GA**, Griggs JJ, Melendez RA, Clarke P. "Comparison of Two Area-Level Socioeconomic Deprivation Indices: Implications for Public Health Practice and Policy." *Plos One*. 2023, 18(10), e0292281.
20. **Noppert GA**, Duchowny KA, Stebbins RC, Aiello AE, Dowd JB, Clarke PC. "Biological Expressions of Early Life Trauma in the Immune System of Older Adults." *Plos One*. 2023, 18(6), e0286141.
21. Kubale JT, Hegde ST, **Noppert GA**. "RE: To Make Long-Term Gains Against Infection Inequity, Infectious Disease Epidemiology Needs to Develop a More Sociological Imagination." *American Journal of Epidemiology*. 2023, 192(7), 1052-1053.
22. **Noppert GA** & Kubale JT. "Incorporating Social Environment Data in the Study of Infectious Disease Research." *Lancet Public Health*. 2023, 8(2), e88-e89.
23. **Noppert GA**, Hegde ST, Kubale, J. "Exposure, Susceptibility, and Recovery: A Framework for Examining the Intersection of the Social and Physical Environment and Infectious Disease Risk." *American Journal of Epidemiology*. 2023, 192(3), 475-482.
24. **Noppert GA***, Stebbins RC*, Dowd JB, Aiello AE. "Socioeconomic and Race/Ethnic Differences in Population-Level Immunosenescence in Older Age." *Brain, Behavior, and Immunity*. 2023, 107, 361-368. *Indicates Co-First Authors
- 2022 25. **Noppert GA** , Duchowny KA, Clarke PJ. "Declining US Life Expectancy Since COVID-19—Structural Inequities Foreshadow Future Fallout. *British Medical Journal*. 2022; 378.
26. Akel KB, **Noppert GA**, Rajamoorthy Y, Lu Y, Singh A, Harapan H, Chang HY, Zhang F, Shih SF, Wagner AL. "A Study of COVID-19 Vaccination in the US and Asia: The Role of Media, Personal Experiences, and Risk Perceptions." *PLoS Global Public Health*. 2022, 2(7), e0000734.
27. **Noppert GA**, Martin CL, Zivich PN, Aiello AE, Harris KM, O'Rand A. "Adolescent Neighborhood Disadvantage and Memory Performance in Young Adulthood." *Health & Place*. 2022, 75, 102793.
28. Renson A, Dennis AC, **Noppert GA**, McClure ES, Aiello AE. "Interventions on Socioeconomic and Racial Inequities in Respiratory Pandemics: a Rapid Systematic Review." *Current Epidemiology Reports*. 2022, 9(2), 66-76.
- 2021 29. Duchowny K & **Noppert GA**. "Examining the Association between Cytomegalovirus and Disability by Race/Ethnicity and Gender: Results from the Health and Retirement Study." *American Journal of Epidemiology*. 2021, 190(11), 2314-2322.
30. **Noppert GA**, Gaydos L, Mullan Harris K, Goodwin A, Hummer RA. "Is Educational Attainment Associated with Young Adult Cardiometabolic Health?" *Social Science and Medicine: Population Health*. 2021, 13, 100752.
31. **Noppert GA** & Zalla L. "Who Counts and Who Gets Counted? Health Equity in Infectious Disease Surveillance." *American Journal of Public Health*. 2021, 116(6), 1004-1006.

32. Stebbins RC, Edwards JK, Plassman B, Yang CY, **Noppert GA**, Haan M, Aiello AE. "Immune Function, Cortisol, and Cognitive Decline & Dementia in an Aging Latino Population". *Psychoneuroendocrinology*. 2021, 133, 105414.
33. Zalla L, Martin C, Edwards JK, Gartner D, **Noppert GA**. "A Geography of Risk: Structural Racism and COVID-19 Mortality in the United States." *American Journal of Epidemiology*. 2021, 190(8), 1439-1446.
- 2020
34. **Noppert GA** & Clarke PJ. "Making the Invisible Visible: The Current Face of Tuberculosis in the United States." *Journal of Cities and Health*. 2020, 1-9.
35. **Noppert GA**, Clarke P, Hicken, M, Wilson ML. "Understanding the Intersection of Race and Place: The Case of Tuberculosis in Michigan." *BMC Public Health*. 2020, 19(1), 1669.
36. **Noppert GA**, Feinstein L, Dowd JB, Stebbins RC, Zang E, Needham B, Meier HCS, Simanek A, Aiello AE. "Pathogen Burden and Leukocyte Telomere Length in the United States." *Immunity and Ageing*. 2020, 17(1), 36.
37. **Noppert GA**, Stebbins RC, Dowd JB, Hummer RA, Aiello AE. "Life Course Socioeconomic Disadvantage and the Aging Immune System: Findings From the Health and Retirement Study." *The Journals of Gerontology: Series B*. 2020, 76(6), 1195-1205.
38. Snyder-Mackler N, Burger JR, Gaydos L, Belsky D, **Noppert GA**, Campos FA, Bartolomucci A, Yang YC, Aiello AE, O'Rand A, Harris KM, Shively C, Alberts SC, Tung J. "Social Determinants of Health and Survival in Humans and Other Animals." *Science*. 2020, 368(6493).
39. Stebbins RC, **Noppert GA**, Yang CY, Dowd, JB, Simanek A, Aiello AE. "Association Between Immune Response to Cytomegalovirus and Cognition in the Health and Retirement Study." *American Journal of Epidemiology*. 2020, 190(5), 786-797.
- 2019
40. Malosh RE, **Noppert GA***, Zelner J, Martin ET, Monto AS. "Social Patterning of Acute Respiratory Illnesses in the Household Influenza Vaccine Evaluation (HIVE) Study 2014-2015." *Epidemiology and Infection*. 2019, 147.
*Co-first author.
41. **Noppert GA**, Aiello AE, O'Rand A, Cohen HJ. "Race/Ethnic and Educational Disparities in the Association Between Pathogen Burden and a Laboratory-Based Cumulative Deficits Index." *Journal of Racial and Ethnic Disparities*. 2019, 1-10.
42. **Noppert GA**, Yang Z, Clarke P, Davidson P, Ye W, Wilson ML. "Contextualizing Tuberculosis Transmission in Space and Time: Integrating Mycobacterium Tuberculosis Strain Genotyping Data with Tuberculosis Surveillance and Neighborhood Data." *Annals of Epidemiology*. 2019, 40, 21-27.
43. Stebbins RC, **Noppert GA**, Aiello AE, Cordoba E, Ward J, Feinstein L. "Persistent Disparities in Pathogen Burden in the United States, 1999-2014." *Epidemiology and Infection*. 2019, 147.
- 2018
44. **Noppert GA**, Aiello AE, O'Rand A, Cohen HJ. "Investigating Pathogen Burden in Relation to a Cumulative Deficits Index in a Representative sample of US adults." *Epidemiology and Infection*. 2018, 1-9.

45. **Noppert GA**, Brown CS, Chanti-Ketterl M, Hall KS, Newby LK, Cohen HJ, Morey MC. "The Impact of Multiple Dimensions of Socioeconomic Status on Physical Functioning Across the Life Course." *Gerontology and Geriatric Medicine*. 2018, 4.
46. **Noppert GA**, Malosh R, Moran EB, Ahuja SD, Zelner J. "Contemporary Social Disparities in TB Infection and Disease in the U.S.: A Review." *Current Epidemiology Reports*. 2018, 5(4), 442-449.
- 2017 47. **Noppert GA** & Clarke P. "The Modern Profile of Tuberculosis: Developing the TB Social Survey to Understand Contemporary Social Patterns in Tuberculosis." *Public Health Nursing*. 2017.
48. **Noppert GA**, Wilson ML, Clarke P, Ye W, Davidson P, Yang Z. "Race and Nativity Are Major Determinants of Tuberculosis in the U.S.: Evidence of Health Disparities in TB Incidence in Michigan, 2004-2012." *BMC Public Health*. 2017; 17(1):538.
49. **Noppert GA**, Yang Z, Clarke P, Ye W, Davidson P, Wilson ML. "Individual- and Neighborhood-Level Contextual Factors Are Associated with Mycobacterium Tuberculosis Transmission: Genotypic Clustering of Cases in Michigan, 2004-2012." *Annals of Epidemiology*. 2017, 27(6), 371-376.
50. Singer P, **Noppert GA**, Jenkins CH. "The State of Tuberculosis in the United States: Gaps in Federal and State Screening." *American Journal of Public Health*. 2017, 107(11), 1750-1752.
- 2016 51. **Noppert GA**, Kubale J, Wilson ML. "Analyses of Infectious Disease Patterns and Drivers Largely Lack Insights from Social Epidemiology: Contemporary Patterns and Future Opportunities." *Journal of Epidemiology and Community Health*. 2016, 71(4), 350-355.
- 2015 52. **Noppert, GA**, Yang, Z., Sandy, C., Chirenda, J. "Trends of Sputum-Smear Positive Tuberculosis in Zimbabwe: 2008-2011." *BMC Research Notes*. 2015, 8(1), 575.
- 2012 53. Schneider H, Fritzky L, Williams J, Heumann C, Yochum M, Pattar K, **Noppert GA**, Mock V, Hawley E. "Cloning and Expression of a Zebrafish 5-HT(2C) Receptor Gene." *Gene*. 2012, 502(2), 108-17.
- IN PROGRESS 54. Gaye A, Pacca L, Hebert J, **Noppert GA***, & Vable A. "The relationship between education and Cytomegalovirus response varies by sociodemographic subgroup." [Under Review / *Annals of Epidemiology*]. *Co-Senior Authors
55. Clarke P, Rollings KA, Melendez R, Sinkewicz M, Duchowny K, Gypin L, **Noppert GA**. Are We Measuring Neighborhood Disadvantage Wrong? A Methodological Reassessment of its Structure in the United States. [Under Review/ *Social Science and Medicine – Population Health*].
56. Clarke P, Rollings KA, Melendez R, Sinkewicz M, Duchowny K, Gypin L, **Noppert GA**. Rethinking Area-Level Disadvantage: Why Social Factors Should Not Be Included in Disadvantage Indices. [Under Review / *BMC – Public Health*].
57. **Noppert GA**, Stebbins RC, Zhang KP, Kobayashi L, Langa K, Levin B, Li C, & Aiello AE. "Associations Between Immunosenesence and Domain-Specific Cognition in the Health and Retirement Study's Harmonized Cognitive Assessment Protocol." [Under Review / *BMC Biology*].
58. Jiang Z, **Noppert G**, & Li G. "Monotone Single-Index Model for Nonlinear Association Analysis." [Under Review / *Biometrics*].

59. Chamberlin E[^], Melendez R, Clarke PJ, Duchowny KA, & Noppert GA. "Proximity of Parks to Two Different Types of Polluting Sites Across the United States." [Under Review/ American Journal of Public Health].

[^] indicates trainee

Other Publications, Reports, & Data

1. Melendez, R., Clarke, P., **Noppert, G.**, & Gypin, L. (2025). *National Neighborhood Data Archive (NaNDA): Ophthalmologists by Census Tract and ZCTA, United States, 1990-2021* (Version v1) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/E222263V1>
2. Melendez, R., Clarke, P., Pan, L., Li, M., Khan, A., Gomez-Lopez, I., **Noppert, G.**, Chenoweth, M., & Gypin, L. (2025). *National Neighborhood Data Archive (NaNDA): Land Cover by Census Tract and ZIP Code Tabulation Area, United States, 1985-2023* (Version v1) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/E220701V1>
3. Pan, L., Melendez, R., Clarke, P., **Noppert, G.**, & Gypin, L. (2025). *National Neighborhood Data Archive (NaNDA): Hospitals by Census Tract and ZCTA, 2023* (Version v1) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/E222901V1>
4. Duchowny, K., Melendez, R., **Noppert, G.**, Clarke, P., & Gypin, L. (2024). *National Neighborhood Data Archive (NaNDA): Essential Workers by Census Tract and ZIP Code Tabulation Area, United States, 2016-2020: Version 1* (Version v1) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/ICPSR38974.V1>
5. Edlebi, J., Mitchell, B., Richardson, J., Meier, H., Chen, L., **Noppert, G.**, & Gypin, L. (2024). *National Neighborhood Data Archive (NaNDA): Home Mortgage Disclosure Act Longitudinal Dataset by Census Tract, United States, 1981-2021: Version 1* (Version v1) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/ICPSR39093.V1>
6. Melendez, R., Finlay, J., Clarke, P., **Noppert, G.**, & Gypin, L. (2024a). *National Neighborhood Data Archive (NaNDA): Civic, Social, and Religious Organizations by Census Tract and ZCTA, United States, 1990-2021* (Version v1) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/E207966V1>
7. Melendez, R., Finlay, J., Clarke, P., **Noppert, G.**, & Gypin, L. (2024b). *National Neighborhood Data Archive (NaNDA): Dollar Stores by Census Tract and ZCTA, United States, 1990-2021* (Version v1) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/E209324V1>

8. Melendez, R., Finlay, J., Clarke, P., **Noppert, G.**, & Gypin, L. (2024c). *National Neighborhood Data Archive (NaNDA): Grocery and Food Stores by Census Tract and ZCTA, United States, 1990-2021* (Version v1) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/E209313V1>
9. Melendez, R., Finlay, J., Clarke, P., **Noppert, G.**, Gypin, L., & Dyke, E. (2024a). *National Neighborhood Data Archive (NaNDA): Arts, Entertainment, and Leisure Establishments by Census Tract and ZCTA, United States, 1990-2021* (Version v2) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/E209163V2>
10. Melendez, R., Finlay, J., Clarke, P., **Noppert, G.**, Gypin, L., & Dyke, E. (2024b). *National Neighborhood Data Archive (NaNDA): Eating and Drinking Places by Census Tract and ZCTA, United States, 1990-2021* (Version v1) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/E208751V1>
11. Melendez, R., Finlay, J., Clarke, P., **Noppert, G.**, Gypin, L., & Dyke, E. (2024c). *National Neighborhood Data Archive (NaNDA): Health Care Services by Census Tract and ZCTA, United States, 1990-2021* (Version v1) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/E209050V1>
12. Melendez, R., Finlay, J., Clarke, P., **Noppert, G.**, Gypin, L., & Dyke, E. (2024d). *National Neighborhood Data Archive (NaNDA): Law Enforcement by Census Tract and ZCTA, United States, 1990-2021* (Version v1) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/E208684V1>
13. Melendez, R., Finlay, J., Clarke, P., **Noppert, G.**, Gypin, L., & Dyke, E. (2024e). *National Neighborhood Data Archive (NaNDA): Liquor, Tobacco, Cannabis, Vape, and Convenience Stores by Census Tract and ZCTA, United States, 1990-2021* (Version v1) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/E208907V1>
14. Melendez, R., Finlay, J., Clarke, P., **Noppert, G.**, Gypin, L., & Dyke, E. (2024f). *National Neighborhood Data Archive (NaNDA): Personal Care Services and Laundry by Census Tract and ZCTA, United States, 1990-2021* (Version v1) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/E208906V1>
15. Melendez, R., Finlay, J., Clarke, P., **Noppert, G.**, Gypin, L., & Dyke, E. (2024g). *National Neighborhood Data Archive (NaNDA): Post Offices and Banks by Census Tract and ZCTA, United States, 1990-2021* (Version v1) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/E208366V1>
16. Melendez, R., Finlay, J., Clarke, P., **Noppert, G.**, Gypin, L., & Dyke, E. (2024h). *National Neighborhood Data Archive (NaNDA): Recreational Establishments by Census Tract and ZCTA, United States, 1990-2021* (Version v2) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/E209164V2>
17. Melendez, R., Finlay, J., Clarke, P., **Noppert, G.**, Gypin, L., & Dyke, E. (2024i). *National Neighborhood Data Archive (NaNDA): Retail Establishments by Census Tract and ZCTA, United States, 1990-2021* (Version v1) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/E208682V1>

18. Melendez, R., Finlay, J., Clarke, P., **Noppert, G.**, Gypin, L., & Dyke, E. (2024). *National Neighborhood Data Archive (NaNDA): Social Services by Census Tract and ZCTA, United States, 1990-2021* (Version v3) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/E208207V3>
19. Pan, L., Melendez, R., Clarke, P., **Noppert, G.**, Gomez-Lopez, I., Chenoweth, M., Khan, A., Li, M., & Gypin, L. (2023). *National Neighborhood Data Archive (NaNDA): Public Transit Stops by Census Tract and ZIP Code Tabulation Area, United States, 2016-2018 and 2024: Version 2* (Version v2) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/ICPSR38605.V2>
20. Pan, L., Melendez, R., Clarke, P., **Noppert, G.**, & Gypin, L. (2022). *National Neighborhood Data Archive (NaNDA): Primary and Secondary Roads by Census Tract and ZIP Code Tabulation Area, United States, 2010 and 2020: Version 2* (Version v2) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/ICPSR38585.V2>
21. Clarke, P., **Noppert, G.**, Melendez, R., Chenoweth, M., & Gypin, L. (2022). *National Neighborhood Data Archive (NaNDA): Socioeconomic Status and Demographic Characteristics of Census Tracts and ZIP Code Tabulation Areas, United States, 1990-2020: Version 4* (Version v4) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/ICPSR38528.V4>
22. Clary, W., Gomez-Lopez, I. N., Chenoweth, M., Gypin, L., Clarke, P., **Noppert, G.**, Li, M., & Kollman, K. (2022). *National Neighborhood Data Archive (NaNDA): Voter Registration, Turnout, and Partisanship by County, United States, 2004-2022: Version 2* (Version v2) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/ICPSR38506.V2>
23. Finlay, J. M., Melendez, R., Pan, L., Esposito, M., Khan, A., Li, M., Gomez-Lopez, I., Clarke, P., **Noppert, G.**, Chenoweth, M., & Gypin, L. (2022). *National Neighborhood Data Archive (NaNDA): Polluting Sites by Census Tract and ZIP Code Tabulation Area, United States, 1987-2021: Version 2* (Version v2) [Dataset]. ICPSR - Interuniversity Consortium for Political and Social Research. <https://doi.org/10.3886/ICPSR38597.V2>

Invited Talks

1. **Noppert GA.** "The Aging Immune System as a Social Sensor." Invited seminar speaker for the Survey Research Center the Institute for Social Research. 16 September 2025.
2. **Noppert GA.** "Mapping the Social Determinants of Infectious Disease." Invited lecture for the Bansal Research Group at Georgetown University. 18 April 2025.
3. Duchowny KA & **Noppert GA** "Biosocial Determinants of Aging: from the social to the cellular." Invited lecture for the Center for Social Epidemiology and Population Health at the University of Michigan. 4 December 2024.
4. **Noppert GA** "Social Determinants of Infectious Disease: An Introduction." Invited lecture at Columbia University. 22 April 2024.

5. **Noppert GA.** "Intersections of the Biological & Social in Population Health Research." Invited lecture for the University of Michigan, School of Public Health Doctoral Day. 15 May 2024.
6. **Noppert GA** "Measuring Population-Level Immunosenescence: Implications for Health Equity." Invited presentation for the 2023 Geriatrics Center Research Symposium at the University of Michigan. 9 May 2023.
7. **Noppert GA** "Population-Level Immunosenescence and the Intersection with the Social Environment." Invited lecture for the University of Massachusetts Boston, Department of Gerontology and Gerontology Institute & the University of Massachusetts Medical School Department of Population Health and Quantitative Health Sciences. 2023. 8 May 2023.
8. **Noppert GA** "The Social Determinants of Health: What They Are and Why They Matter" Invited lecture for the Urban Institute." 15 February 2023.
9. Duchowny KA & **Noppert GA.** "Biomarkers of Aging: A Mechanism for Understanding Embodiment and Disrupting Health Inequities." Invited lecture for the Center for Midlife Science at the University of Michigan, School of Public Health. 9 March 2023.
10. **Noppert GA.** "The Embodiment of the Social Environment in the Architecture of the Immune System: Implications for Aging." Invited lecture for the Population Research Center at the University of Texas at Austin. 10 February 2022.
11. **Noppert GA** "Viral Infection Burden and Immunosenescence: Study Design and Preliminary Findings." Invited lecture for Annual Geriatrics Research Symposium at the University of Michigan. Ann Arbor, MI. 14 April 2022.
12. **Noppert GA** "Population-Level Immunosenescence and the Intersection with the Social Environment." Invited lecture by the University of Michigan, Division of Geriatric and Palliative Medicine." February 2022.
13. **Noppert GA** "The Scars of Early Life Trauma on the Immune System" Invited lecture for the Population Studies Center at the University of Michigan. January 2022.

Guest Lectures

14. **Noppert GA** "Social Determinants of Infectious Disease: An Introduction." Guest lecture for EPID 605 at the University of Michigan, School of Public Health. 27 October 2024.
15. **Noppert GA** "Introduction to Epidemiology." Guest lecture for Public Health 200 at the University of Michigan, School of Public Health. 18 September 2025.
16. **Noppert GA** "Who Gets Sick and Why: How the Social Determinants of Health are the Heart of Epidemiology." Guest lecture for the University of Michigan Public Health Brigades. 19 March 2025.
17. **Noppert GA** "Social Determinants of Infectious Disease: An Introduction." Guest lecture for EPID 605 at the University of Michigan, School of Public Health. 28 October 2024.
18. **Noppert GA** "Introduction to Epidemiology." Guest lecture for Public Health 200 at the University of Michigan, School of Public Health. 19 September 2024.
19. **Noppert GA** "Pathogens, Immunity, & Population Health." Guest lecture for EPID 617 at the University of Michigan, School of Public Health. April 2024.

20. **Noppert GA** "The Immune System and Human Health". Guest Lecture for Anthropology 897: Introduction to BioSocial Methods. University of North Carolina at Chapel Hill. 16 November 2023.
21. **Noppert GA** "Social Determinants of Infectious Disease: An Introduction." Guest lecture for EPID 605 at the University of Michigan, School of Public Health. 6 November 2023.
22. **Noppert GA** "Introduction to Epidemiology." Guest lecture for Public Health 200 at the University of Michigan, School of Public Health. 14 September 2023.
23. **Noppert GA** "Pathogens, Immunity, & Population Health" Guest lecture for EPID 617 at the University of Michigan School of Public Health. 29 March 2023.
24. **Noppert GA** "Tuberculosis in Cities." Guest lecture for Urban Health Training program at the University of Michigan. March 2023.
25. **Noppert GA** "Population-level immunosenescence and the intersection with the social environment". Guest lecture for Epidemiology of Aging course at the University of Michigan, School of Public Health. 5 October 2022.
26. **Noppert GA** "The Embodiment of the Neighborhood Environment in the Architecture of the Immune System" Invited lecture for the course entitled "U.S. Health Policy" at the University of North Carolina at Chapel Hill. 13 October 2022.
27. **Noppert GA.** "The Social Underpinning of Infectious Diseases: The Case of Tuberculosis." Guest lecture for University of Massachusetts, Amherst. 4 April 2022.
28. **Noppert GA:** "Immunity and Human Health" Guest Lecture for Anthropology 897: Introduction to BioSocial Methods. University of North Carolina at Chapel Hill. November 2021.
29. **Noppert GA.** "Biomarkers in Social Epidemiology." Guest lecture for course entitled Introduction to Social Epidemiology, Gillings School of Global Public Health, University of North Carolina. 8 November 2019.
30. **Noppert GA.** "Biomarkers in Social Epidemiology." Guest lecture for course entitled Introduction to Social Epidemiology, Gillings School of Global Public Health, University of North Carolina. 9 November 2018.
31. **Noppert GA.** "Origins of Health Disparities in Biological Aging: the Case for Studying Immune Function." Lecture for Carolina Population Center Training Seminar. 8 November 2018.
32. **Noppert GA.** "Origins of Health Disparities in Biological Aging: the Case for Studying Immune Function." Invited talk for the Social Epidemiology Seminar Series, Gillings School of Global Public Health, University of North Carolina. 7 November 2018.
33. **Noppert GA & Thiery A.** "Nature vs Nurture: Epigenetics and Gene by Environment Interactions." Guest lecture for Human Development, Duke University. 18 September 2017.
34. **Noppert GA.** "Early Life Disadvantage, Pathogen Burden, and Immune Dysfunction." Presentation for Research Training Program at the Duke University, Center for the Study of Aging and Human Development. Durham, NC. 8 February 2017.
35. **Noppert GA.** "Social Vulnerability and TB in Wayne County, Michigan: the Intersection of Race and Nativity." Presentation for the Social Epidemiology Seminar at the University of North Carolina, Gillings School of Global Public Health. Chapel Hill, NC. 22 February 2017.
36. **Noppert GA.** "Applying Biostatistics to a Social Epidemiology Setting." Oral presentation for the Introduction to Biostatistics course. New York, NY, 23 November 2011.

37. **Noppert GA.** "The New, Old Face of TB: Lessons from the Field." Presentation for the University of Michigan, Center for Social Epidemiology and Population Health seminar series. Ann Arbor, MI. 20 January 2016.
38. **Noppert GA.** "Low Burden, High Disparity: TB in the U.S. from a social perspective." Presentation for the University of Michigan, Center for Social Epidemiology and Population Health seminar series. Ann Arbor, MI. 2 April 2015.
39. **Noppert GA.** "Social Determinants of TB or Bringing History Back into TB Control." Guest Lecture for Epid 816: Epidemiology of Tuberculosis. University of Michigan, School of Public Health. Ann Arbor, MI. 30 October 2015.

Scientific Conference Presentations

40. Duchowny KA, Wang V, Melendez R, Clarke, P & **Noppert GA.** "The Spatial Distribution of Essential Workers in the U.S. in 2020: Evidence from the National Neighborhood Data Archive." 7 May 2025. Presentation at the annual meeting of the Social and Behavior Covid Coordinating Center Annual Meeting. [Noppert presenting author].
41. Duchowny KA & **Noppert GA.** "Novel Measures of Immune and Mitochondrial Function: Preliminary findings and potential implications for population health survey research." Presentation for the NIA-funded Biomarker Network meeting. April 17 2025. [Co-Presenters].
42. Kubale, J & **Noppert GA.** "Does County Tell the Whole Story? The Importance of Sub-County Heterogeneity in Assessing COVID-19 Burden in Rural Communities." Presentation for the Network on Life Course Dynamics and Disparities meeting. April 20, 2024.
43. **Noppert GA.** Invited discussant for the University of Michigan Aging Brain Symposium. March 2024.
44. Zhang Y, Ma X, Chin JJ, Stebbins R, Aiello AE, & **Noppert GA.** "Aging Immune System and All-Cause Mortality: A Biodemographic Approach to Understanding Immune Function In the Aging Process." Poster presentation for the Population Association of America annual meeting. April 2024. *Senior author.
45. **Noppert GA.** Participant in accepted symposium entitled "Biological and Social Determinants of Late-Life Disability and Its Implications for the Aging Workshop. Organized symposium for Gerontological Society of America Meeting. Nov 2023.
46. **Perrera R^**, Noppert GA, & Duchowny K. "Examining the Association between Land Cover and Physical Mobility: Findings from the NHATS Study. Poster presentation for the Gerontological Society of America Meeting. Nov 2023 ^trainee-led
47. **Noppert GA.** "Neighborhood Social and Environmental Predictors of COVID-19 Burden." Oral presentation at the Interdisciplinary Association of Population Health Sciences annual meeting. October 2023.
48. Hoover, A^, Clarke PJ, Hegde ST, Kubale JT, Melendez R, Duchowny KA, & **Noppert GA.** "How the Neighborhood Shapes COVID-19 Burden: Early Findings from the COVID Neighborhood Project." Invited oral presentation for the Michigan Public Health Association annual meeting. Oakland, Michigan. April 2023. **trainee-led presentation

49. **Noppert, GA**, Hegde ST, Hoover A, Kubale JT, Melendez R, Duchowny KA, & Clarke PJ,. "State Variation in Neighborhood COVID-19 Burden: Early Findings from the COVID Neighborhood Project." Presentation for the Network on Life Course Dynamics and Disparities. New Orleans, LA. April 2023.
50. **Noppert, GA**. Discussant for session entitled "Biological Aging Consequences of Life Course Exposures" Population Association of America 2023 Annual Meeting. New Orleans, LA. April 2023.
51. Hicken, M & **Noppert, GA**. Co-discussant for session entitled "Pollutants, Pesticides, and Toxins" Population Association of America 2023 Annual Meeting. New Orleans, LA. April 2023.
52. MacConnachie L[^], Zhang Y, Farina M, Gutierrez CM, Hoover A, He Y, & **Noppert GA**. "The association between experiencing traumatic environments and advanced immune aging." Invited oral presentation for the Population Association of America 2023 Annual Meeting. New Orleans, LA. April 2023. **trainee-led presentation.
53. **Noppert GA**. "Population-Level Immunosenescence and the Intersection with the Social Environment." Invited lecture for the Epidemiology of Aging course at the University of Michigan, Department of Epidemiology. Ann Arbor, MI. 5 October 2022.
54. **Noppert GA** and Stebbins R "The Embodiment of the Social Environment in Biological Systems of Aging." Chaired session for the annual meeting of the Interdisciplinary Association of Population Health Sciences. Minneapolis, MN. 23 September 2022.
55. **Noppert GA** "The Embodiment of the Neighborhood Environment in the Architecture of the Immune System." Invited lecture for the annual meeting of the Interdisciplinary Association of Population Health Sciences. Minneapolis, MN. 21 September 2022.
56. Hoover A[^], Clarke PJ, Melendez R, Hegde ST, Chenoweth M, & **Noppert GA**. "How the Neighborhood Environment Shapes the Distribution of an Infectious Disease: Early Findings from The COVID Neighborhood Project." Presentation for the Population Association of America Annual Meeting. Atlanta, GA. April 2022.
57. Duchowny KA & **Noppert GA**. "The Power of Surveillance: Who Decides, Who is Counted, and Who is Left Behind." Co-Chaired Panel Presentation at the Interdisciplinary Association of Population Health Research Annual Meeting. October 2021.
58. Duchowny KA & **Noppert GA**. "Associations of Cytomegalovirus and Muscle Weakness in Older Adults: Results from the Health and Retirement Study." Gerontological Association of America Annual Meeting. November 2020.
59. **Noppert GA**, Stebbins RC, and Aiello AE. "The Aging Immune System: Educational Attainment, Cytomegalovirus, and Cognition in the Health and Retirement Study." Oral presentation for the Biomarker Network Meeting at the annual meeting of the Population Association of America Meeting, 2020. Cancelled due to COVID-19.
60. **Noppert GA**. "The complicated relationship of education and health in young adulthood." Symposium on Sociocultural Determinants of Racial Health Disparities Across the Life Course. Gerontological Association of America Annual Meeting. Austin, TX. November 2019.
61. **Noppert GA**, Aiello AE, Gaydosh L, Mullan Harris K, Goodwin A, & Hummer RA. "Is Educational Attainment Associated with Cardiometabolic Health in Young Adulthood? It's Complicated." Interdisciplinary Association of Population Health Research Annual Meeting. Seattle, WA. October 2019.
62. **Noppert GA**, Stebbins RC, Dowd JB, & Aiello AE. "Life Course Social Disadvantage and the Aging Immune System: Findings from the Health and Retirement Study. SER 52th Annual Meeting. The Hyatt Regency Minneapolis, MN. June 2019.

63. Stebbins RC, **Noppert GA**, Yang YC, & Aiello AE. "Recent Stressful Life Events, Lifetime Trauma, and Cognitive Decline in the Health and Retirement Study. SER 52th Annual Meeting. The Hyatt Regency Minneapolis, MN. June 2019.
64. Martinez RA, Martin C, **Noppert GA**, Ward-Caviness C, Uddin M, Galea S, Koenen KC, Wildman, DE, & Aiello, AE. Childhood adversity and indicators of immune and epigenetic aging in adulthood. SER 52th Annual Meeting. The Hyatt Regency Minneapolis, MN. June 2019.
65. Martinez RA, Martin C, **Noppert GA**, Ward-Caviness C, Uddin M, Galea S, Koenen KC, Wildman DE, & Aiello AE. Childhood adversity and indicators of immune and epigenetic aging in adulthood. Symposium on Biosocial Approaches to Population Health Across the Life Course. Carolina Population Center, UNC at Chapel Hill, Chapel Hill, NC. May 2019.
66. **Noppert GA**. "Origins of Health Disparities in Biological Aging: the Case for Studying Immune Function." Lecture for Interdisciplinary Association for Population Health Sciences meeting. 5 October 2018.
67. **Noppert GA** & Aiello AE. "The Impact of Pathogen Burden on Health and Longevity." Presentation for the International Association of Gerontology and Geriatrics. 26 July 2017.
68. **Noppert GA**. "TB Transmission in Older Populations: A Re-Examination of Risk Groups" Presentation for the International Association of Gerontology and Geriatrics. 24 July 2017.
69. **Noppert GA**. "Understanding the Detroit Disparity in TB." Presentation for the Population Association of America Annual Meeting. Chicago, IL. April 2017.
70. **Noppert GA**, Yang Z, Clarke P, & Wilson ML. "Drivers of Mycobacterium tuberculosis transmission in the U.S. Context: the Effects of the Neighborhood on U.S. Populations." Presentation for the Society for Epidemiologic Research. Miami, FL. 23 June 2016.
71. **Noppert GA**, Clarke P., Yang Z., Wilson M.L. "Sick in the City: Patterns and Predictors of Tuberculosis in Detroit." Presentation for the Reimagining Health in Cities Conference. Drexel University. Philadelphia, PA. 10 September 2015.
72. **Noppert GA**, Wilson ML, Clarke P, Ye W, Davidson P, & Yang Z. "Why We Should Still Worry About Tuberculosis in the U.S.: Evidence of health disparities in TB incidence in Michigan, 2004-2012." Presentation for the Society for Epidemiologic Research. Denver, CO. 16 June 2015.
73. **Noppert GA**. "Context Matters: Infectious Disease in our Backyard." Presentation for University of Michigan student organization, Medlife. Ann Arbor, MI. 17 March 2014.
74. **Noppert GA**. "Trends in the Distribution of Tuberculosis in Zimbabwe from 2008-2011." Poster presentation for University of Michigan: Department of Epidemiology Poster Session. Ann Arbor, MI, 31 January 2014.
75. Labelle S & **Noppert GA**. "Using a Human Resource Development Approach to Enhance Capacity in High-Burden Tuberculosis Countries Around Technical Assistance." Paper accepted for poster presentation at the International Conference of Education, Research and Innovation, Madrid, Spain, 14 November 2011.
76. Labelle S & **Noppert G**. Using a Human Resource Development Approach to Enhance Capacity in High-Burden Tuberculosis Countries for Planning, Accessing and Coordinating Technical Assistance. International Conference of Education, Research and Innovation. Madrid, Spain: ICERI; 2011.

Webinars & Training

77. Gypin L, Noppert G, and Clarke P. "Integrating Neighborhood Contexts into Life Course Research: An Introduction to NaNDA" Webinar given for the Network on Life Course Dynamics and Disparities. 3 November 2025.

Press & Public Writing

1. **Noppert GA** & Hegde ST. "From exposure to recovery, neighbourhood context shapes the lasting impact of COVID-19 and future epidemics" *The Academic*. Nov 2024.
2. **Noppert GA**. "COVID-19 is hitting black and poor communities the hardest, underscoring fault lines in access and care for those on the margins." *The Conversation*. April 9, 2020. Available online: <https://theconversation.com/covid-19-is-hitting-black-and-poor-communities-the-hardest-underscoring-fault-lines-in-access-and-care-for-those-on-margins-135615>. Republished at JSTOR Daily, The Raw Story, National Interest San Francisco Chronical, Houston Chronicle, and others.
3. Patino, Marie. "Poor Neighborhoods are Only Getting Poorer." Published on City Lab May 26, 2020. <https://www.citylab.com/equity/2020/05/poverty-economic-data-neighborhood-income-research-census/611947/> [Provided expert interview].

Honors & Awards

2025 Research Faculty Recognition Award

Office of the Vice President of Research, University of Michigan | 2025

Member of the Month

Interdisciplinary Association of Population Health Science | 2020

Commencement Speaker

University of Michigan School of Public Health | 2016

Doctoral Student Poster Competition Winner

University of Michigan | 2014

Outstanding Teacher of the Year

Baltimore City Schools | 2010

Keynote Speaker

Teach for America Annual Symposium | 2008

Professional Activities

Training Faculty, Interdisciplinary Doctoral Research Training in Health and Aging T32 Program, Department of Epidemiology, University of Michigan School of Public Health

Co-Chair of the Institute for Social Research 75th Anniversary Symposium and Committee

Ad Hoc Reviewer | Current

Journal of Racial and Ethnic Disparities
Public Health Journal
American Journal of Epidemiology
American Journal of Public Health
Annals of Epidemiology
Nature Aging
Health and Place
Journal of Epidemiology and Community Health
Psychosomatic Medicine
Biodemography
Social Science
Social Science and Medicine
Social Science and Medicine, Population Health
JAMA Network Open
American Journal of Preventative Medicine
Journal of American Geriatrics Society
Immunity and Ageing

Study Section Ad Hoc Member

NIH Director's Pioneer Award Review Panel, Nov-December 2024
ZRG1 F18, July 2023
AGCD-1 NIA, October 2023

Member | Interdisciplinary Association of Population Health Sciences | Current

Member | Society for Epidemiologic Research | Current

Member | Gerontological Society of America | Current

Member | Population Association of American | Current

Training & Mentorship

Brooke Slipka

Undergraduate research assistant | 2024-present

Tamia Johnson

Undergraduate research assistant | 2024-present

Bethany Muller

Undergraduate research assistant | 2024-present

Ellis Dyke

Masters student research assistant | 2024-present

Elliot Chamberlin

Junior professional researcher | 2023-present

Amulya Chirumamilla

Undergraduate research assistant | 2023- 2024

Vinayek Swaroop

Post grad research assistant | 2023- Present

Rohini Perera

Graduate student research assistant | 2023-2024

Chihua Li

Postdoctoral Scholar | 2022- 2024

Lauren MacConnachie

PhD student research assistant | 2022 – Present

Yuelin He

Graduate student research assistant | 2022 – 2023

Andrew Hoover

Graduate student research assistant | 2021 – Present

Sasha Thomas

Undergraduate research Intern | 2021 – 2022

Geetika Rahavaraju

Undergraduate Research Intern | 2022 – 2023

Adedoyin Adebayo

High School Intern | 2021

Constanza Carney, MPH

MPH Student | 2019 – 2021

Charlotte Jenkins

Undergraduate research Intern | 2013 – 2016

Miranda Scott

Undergraduate research Intern | 2016

Caroline Smith

Undergraduate research Intern | 2016

Teaching Experience

Co-Instructor | University of North Carolina | Gillings School of Global Public Health | 2019

EPID 799A Seminar in Social Epidemiology

Assisted in the administration of the course along with Dr. Chantel Martin, coordinated speakers and topics, assisted with course grading, and facilitated discussion

Graduate Student Instructor | University of Michigan | School of Public Health | 2013 – 2015

EPID 643 Surveillance/Datasets & EPID 644 Contemporary Methods

Assisted in the administration of the courses under Drs. Belinda Needham and Alison Mondul, prepared class exercises, and completed course grading

EPID 642 Sampling and Power & EPID 641 Measurement and Design

Assisted in the administration of the courses under Drs. Sung Kyun Park and Carlos Mendes de Leon, prepared quizzes and homework assignments, and completed course grading

Public Health 200 Health and Society

Led 3 discussion sections for undergraduates under Dr. Kenneth Warner, reviewed and graded homework for class of 52 students

EPID 709 Fundamentals of Epidemiologic Research

Reviewed HW and assisted in grading exams

EPID 655 Field Studies in Epidemiology

Assisted in the administration of the course under Drs. Betsy Foxman, Allison Aiello, Carlos Mendes de Leon, and Sung Kyun Park

Curriculum Specialist & Advisor | Teach For America | 2010 – 2011

Taught the introductory teaching methods courses for 65 incoming teachers

Teaching Assistant | Columbia University | Mailman School of Public Health | 2011

Led a recitation of 25 students in the Introduction to Biostatistics course under Dr. Martina Pavlicova; assisted in exam preparation, grading of homework, and holding of weekly office hours

Science Teacher | Baltimore City Schools | REACH Partnership | 2008 – 2010

Taught science for 6th, 7th, and 9th grade in Baltimore City Schools, oversaw middle school science department including the design and development of the science curriculum