GRACE A. NOPPERT

PhD, MPH, MA

PROFESSIONAL POSITIONS

Research Assistant Professor | Social Environment and Health | 2020 – current
Survey Research Center | Institute for Social Research | University of Michigan

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

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

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 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 – 06/30/2024

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

COMPLETED

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

2024

1. 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." 2024; Social Science and Medicine. [In Press].
2. **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." 2024; Nature Communications Medicine. [In Press].

2023

3. 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." 2023; Nature, Molecular Psychiatry. [In Press]
4. 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.
5. 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.
6. **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.
7. 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.

8. **Noppert GA** & Kubale JT. "Incorporating Social Environment Data in the Study of Infectious Disease Research." Lancet Public Health. 2023, 8(2), e88-e89.

9. **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.

10. **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

11. GA **Noppert GA**, Duchowny KA, Clarke PJ. "Declining US Life Expectancy Since COVID-19—Structural Inequities Foreshadow Future Fallout." British Medical Journal. 2022; 378.

12. 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.

13. **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.

14. 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

15. 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.

16. **Noppert GA**, Gaydosh 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.

17. **Noppert GA** & Zalla L. "Who Counts and Who Gets Counted? Health Equity in Infectious Disease Surveilance." American Journal of Public Health. 2021, 116(6), 1004-1006.

18. 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.

19. 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

20. **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.

21. **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.

22. **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.

23. **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.

24. Snyder-Mackler N, Burger JR, Gaydosh 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).

25. 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

26. 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.

27. **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.

28. **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.

29. 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

30. **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.

31. **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.

32. **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

33. **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.

34. **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.

35. **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.

36. 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

37. **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

38. **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

39. 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

40. **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." [Under Review; Proceedings of the National Academies of Science Nexus].

41. 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." [Under Review; JAMA Health Forum].

^ indicates trainee

OTHER PUBLICATIONS, REPORTS, & DATA

2023

1. Clarke, Philippa, **Noppert, Grace**, Melendez, Robert, Chenoweth, Megan, and Gypin, Lindsay. National Neighborhood Data Archive (NaNDA): Socioeconomic Status and Demographic Characteristics of Census Tracts and ZIP Code Tabulation Areas, United States, 2000-2020. Inter-university Consortium for Political and Social Research [distributor], 2023-04-17. https://doi.org/10.3886/ICPSR38528.v3

2. Duchowny, Kate, Robert Melendez, **Grace Noppert**, Philippa Clarke, and Lindsay Gypin. National Neighborhood Data Archive (NaNDA): Essential Workers by Census Tract and ZCTA, United States, 2016-2020. United States. 2024.

INVITED TALKS

1. **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.
2. **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.
3. **Noppert GA** "The Social Determinants of Health: What They Are and Why They Matter" Invited lecture for the Urban Institute." 15 February 2023.
4. 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.
5. **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.
6. **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.
7. **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.
8. **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

9. **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.
10. **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.
11. **Noppert GA** "Introduction to Epidemiology." Guest lecture for Public Health 200 at the University of Michigan, School of Public Health. 14 September 2023.
12. **Noppert GA** "Pathogens, Immunity, & Population Health" Guest lecture for EPID 617 at the University of Michigan School of Public Health. 29 March 2023.
13. **Noppert GA** "Tuberculosis in Cities." Guest lecture for Urban Health Training program at the University of Michigan. March 2023.
14. **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.
15. **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.
16. **Noppert GA**. "The Social Underpinning of Infectious Diseases: The Case of Tuberculosis." Guest lecture for University of Massachusetts, Amherst. 4 April 2022.
17. **Noppert GA:** "Immunity and Human Health" Guest Lecture for Anthropology 897: Introduction to BioSocial Methods. University of North Carolina at Chapel Hill. November 2021.
18. **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.
19. **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.
20. **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.

21. **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.

22. **Noppert GA** & Thiery A. "Nature vs Nurture: Epigenetics and Gene by Environment Interactions." Guest lecture for Human Development, Duke University. 18 September 2017.

23. **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.

24. **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.

25. **Noppert GA**. "Applying Biostatistics to a Social Epidemiology Setting." Oral presentation for the Introduction to Biostatistics course. New York, NY, 23 November 2011.

26. **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.

27. **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.

28. **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

29. 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

30. **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.

31. **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.

32. 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.

33. 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.

34. **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.

35. **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.

36. **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.

37. 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.

38. 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.

39. 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.

40. **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.

41. **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.
42. **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.
43. **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.
44. 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.
45. 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.
46. 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.
47. **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.
48. **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.
49. **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.
50. **Noppert GA**. "Understanding the Detroit Disparity in TB." Presentation for the Population Association of America Annual Meeting. Chicago, IL. April 2017.
51. **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.
52. **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.
53. **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.
54. **Noppert GA**. "Context Matters: Infectious Disease in our Backyard." Presentation for University of Michigan student organization, Medlife. Ann Arbor, MI. 17 March 2014.
55. **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.
56. 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.
57. 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.
58. **Noppert GA**. "Using Public Health Tools to Build Capacity in Countries for Implementing National Tuberculosis Programs." Poster presentation at the Department of Epidemiology, Poster Session for Masters Students. New York, NY, 28 October 2011.

PRESS & PUBLIC WRITING

1. **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.

2. 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

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

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

Study Section Ad Hoc Member

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

TRAINING & MENTORSHIP

Eilliot Chemberlin
Junior professional researcher | 2023-present

Amulya Chirumamilla
Undergraduate research assistant | 2023- Present

Vinayek Swaroop
Post grad research assistant | 2023- Present

Rohini Perera
Graduate student research assistant | 2023-Pesent

Chihua Li
Postdoctoral Scholar | 2022- Present

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

RESEARCH EXPERIENCE

Research Assistant in Epidemiology | University of Michigan | School of Public Health | 2012 – 2016
Research: epidemiology, social epidemiology, racial/ethnic disparities
Mentors: Mark Wilson, Zhenhua Yang, Philippa Clarke, & Peter Davidson

Project Manager in Sustainable Systems | University of Michigan | School of Natural Resources | 2014 – 2018
Research: epidemiology, social epidemiology, racial/ethnic disparities
Mentor: Jose Alfaro

Research Assistant | Columbia University | Mailman School of Public Health | 2010 – 2012
Research: Social epidemiology, HIV/AIDS
Mentor: Susie Hoffman

Intern | World Health Organization | Stop TB Department Geneva, Switzerland | 2010 – 2012
Research: Social epidemiology, HIV/AIDS
Mentors: Paul Nunn, Soleil Labelle

Research Assistant | DePauw University | Biology | 2006 – 2008
Research: Molecular biology, serotonin receptor sequencing in zebrafish
Mentor: Henning Schneider

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