

CURRICULUM VITAE
Jennifer D. Stowell, PhD, MPH

Office Address:

University of Maryland School of Public Health
Department of Global, Environmental, & Occupational Health
4200 Valley Drive, Suite 2242
College Park, MD 20742

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EDUCATION

PhD

Environmental Health Science

Gangarosa Department of Environmental Health
Rollins School of Public Health
Emory University, Atlanta, GA

MPH

Environmental Health

Gangarosa Department of Environmental Health
Rollins School of Public Health
Emory University, Atlanta, GA

BS

Geography

Department of Geography
Brigham Young University, Provo, UT

ACADEMIC APPOINTMENTS & RESEARCH EXPERIENCE

2025-present

Assistant Professor, Tenure Track

Department of Global, Environmental, and Occupational Health
University of Maryland School of Public Health, College Park, MD

2025-present

Adjunct Assistant Professor

Department of Environmental Health
Boston University School of Public Health

2025

Adjunct Faculty

Boston College School of Nursing

2023-2025

Research Scientist

Center for Climate and Health
Department of Environmental Health
School of Public Health, Boston University, Boston, MA

2023

Adjunct Faculty

Department of Health Sciences
Northeastern University, Boston, MA

2021-2024

Course Co-Instructor SPH EH 720 Climate Change and Public Health
School of Public Health
Boston University, Boston, MA

2020-2023	Postdoctoral Associate Advisors: Drs Greg Wellenius and Patrick Kinney Department of Environmental Health School of Public Health Boston University, Boston, MA
2016-2019	Graduate Research Fellow Emory Center for Digital Scholarship Emory University, Atlanta, GA
2015-2019	GIS Technical Lab Instructor Department of Environmental Science Emory University, Atlanta, GA
2015-2016	Graduate Teaching Assistant Gangarosa Department of Environmental Health Rollins School of Public Health Emory University, Atlanta, GA
2013-2019	Graduate Research Assistant Gangarosa Department of Environmental Health Rollins School of Public Health Emory University, Atlanta, GA
2008-2013	Research Fellow Division of Viral Diseases Centers for Disease Control and Prevention, Atlanta, GA

SCHOLARSHIP AND RESEARCH

Refereed Articles/Original Research (h-index: 19, total citations: 5002 (as of 3/2/2026))

Published or In Press:

1. Krecl P, Wright CY, Basart S, Matz CJ, Tong D, **Stowell JD**, Sofiev M., "Wildfire Smoke and Human Health: A Global Perspective on Respiratory Risks and Emerging Interventions." *Environment and Health*, 2026.
2. Maji KJ, Li Z, Hu Y, **Stowell JD**, Milando CW, Vaidyanathan A, Wellenius GA, Kinney PK, Russel AG, Odman MT. "Impact of Prescribed Fire Emissions on Ambient PM2.5 and its Components in the Southeastern US." *ACS Environmental Au*, 2026.
3. Romanello M, Walawender M, Hsu SC, **et al.**, "The 2025 report of the Lancet Countdown on health and climate change: climate change action offers a lifeline." *The Lancet*, 2025.
4. Martin, GK, **Stowell JD**, et al. "A health impact assessment of changes in NDVI on all-cause mortality across 1,041 global cities." *Environmental Research Letters*, 2025.
5. **Stowell JD**, Maji KJ, Li Z, Hu Y, Vaidyanathan A, Milando C, Russell AG, Kinney PL, Odman MT, Wellenius GA. "Associations between PM2.5 from prescribed burning and emergency department visits in 11 Southeastern US states." *Environment International*, 2025.
6. **Stowell JD** & Wesselink AK. "Susceptibility and Vulnerability of Children to Wildfire Smoke Exposure: Important Considerations and Remaining Knowledge Gaps." *Paediatric and Perinatal Epidemiology*, 2025.

7. **Stowell JD**, Sue Wing I, Romitti Y, Kinney PL, Wellenius GA. "Emergency Department Visits in California Associated with Wildfire PM2.5: Differing Risk Across Individuals and Communities." *Environmental Research: Health*, 2025.
8. Romanello M, Di Napoli C, Drummond P, **et al.**, "The 2024 Report of the *Lancet* Countdown on Health and Climate Change: Facing Record Breaking Threats from Delayed Action." *The Lancet*, 2024.
9. Maji K, Li Z, Hu Y, Vaidyanathan A, **Stowell JD**, Milando C, Wellenius G, Kinney P, Russell A, Odman T. "Prescribed Burn Related Increases of Population Exposure to PM2.5 and O3 Pollution in the Southeastern US over 2013–2020", *Environment International*, 2024.
10. **Stowell JD**, Sun Y, Gause EL, Spangler K, Schwartz J, Bernstein A, Wellenius GA, Nori-Sarma A. "Warm Season Ambient Ozone and Children's Health in the USA." *International Journal of Epidemiology* 2024.
11. Maji KJ, Li Z, Vaidyanathan A, Hu Y, **Stowell JD**, Milando C, Wellenius G, Kinney PL, Russell AG, Odman T. "Estimated Impacts of Prescribed Fires on Air Quality and Premature Deaths in Georgia and Surrounding Areas in the US, 2015–2020." *Environmental Science & Technology*, 2024
12. **Stowell JD**, Anenberg S, Zaitchik BF, Tong DQ, Horwell CJ, Stolle DP, Colwell RR, McEntee C. "Health-damaging climate events highlight the need for interdisciplinary, engaged research." *GeoHealth* 2024.
13. Romanello M, Di Napoli C, Drummond P, **et al.**, "The 2023 Report of the *Lancet* Countdown on Health and Climate Change: the Imperative for a Health-centered Response in a World Facing Irreversible Harms." *The Lancet*, 2023.
14. **Stowell JD**, Ngo C, Jimenez MP, Kinney PL, James P., "Development of a Global Urban Greenness Indicator Dataset for 1,000+ Cities." *Data in Brief*, 2023.
15. Zerra PE, **Stowell J**, Verkerke H, et al., "Factor H Autoantibodies Contribute to Complement Dysregulation in Multisystem Inflammatory Syndrome in Children (MIS-C)." *American Journal of Hematology*, 2023.
16. Romanello M, Di Napoli C, Drummond P, **et al.**, "The 2022 Report of the *Lancet* Countdown on Health and Climate Change: Health at the Mercy of Fossil Fuels." *The Lancet*, 2022.
17. **Stowell JD**, Sun Y, Sun S, Spangler KR, Milando CW, Bernstein A, Weinberger KR, Wellenius GA. "Warm-Season Temperatures and Emergency Department Visits among Children with Health Insurance." *Environmental Research: Health*, 2022.
18. Heaney A, **Stowell JD (co-first author)**, Liu JC, Basu R, Marlier M, Kinney P. "Impacts of Fine Particle Matter from Wildfire Smoke on Respiratory and Cardiovascular Health in California." *GeoHealth*, 2022.
19. **Stowell JD**, Yang CE, Fu JS, Scovronick NC, Strickland MJ, Liu Y. "Asthma exacerbation due to climate change-induced wildfire smoke in the Western US." *Environmental Research Letters*, 2022.
20. Gorris ME, Anenberg SC, Goldberg DL, Kerr GH, **Stowell JD**, Tong D, Zaitchik BF. "Shaping the Future of Science: COVID-19 highlighting the importance of GeoHealth." *GeoHealth*, May 2021.
21. Zou K, Wang S, Wang P, Duan X, Yang Y, Yazdi MD, **Stowell JD**, Wang Y, Yao W, Wang W. "Estimations of benchmark dose for urinary metabolites of coke oven emissions among workers." *Environmental Pollution*, January 2021.
22. Meng X, Liu C, Zheng L, Wang W, **Stowell J**, Kan H, Liu Y. "Estimating PM2.5 concentrations in Northeastern China with full spatiotemporal coverage, 2005-2016." *Remote Sensing of the Environment*, February 2021.

23. Zaitchik BF, Sweijid N, Shumake-Guillemot J, Morse A, Gordon C, Marty A, Trtanj J, Luterbacher J, Botai J, Behera S, Lu Y, Olwoch J, Takahashi K, **Stowell JD**, Rodo X. "A framework for research linking weather, climate, and COVID-19." *Nature Communications*, November 2020.
24. **Stowell J**, Bi J, Al-Hamdan M, Lee H, Lee S, Freedman F, Kinney P, Liu Y. 2020. "Estimating PM2.5 in Southern California using satellite data: factors that affect model performance." *Environmental Research Letters*, 2020.
25. **Stowell JD**, Geng G, Saikawa E, Fu J, Yang CE, Zhu Q, Liu Y, Strickland MJ. "Associations of wildfire smoke PM2.5 exposure with cardiorespiratory events in Colorado 2011-2014." *Environment International*, December 2019.
26. Bi J, **Stowell JD**, Seto EYW, English PB, Al-Hamdan MZ, Kinney PL, Freedman FR, Liu Y. "Contribution of low-cost sensor measurements to the prediction of PM2.5 levels: A case study in Imperial County, California, USA." *Environmental Research*, October 2019.
27. Naser AM, Clasen TF, Luby SP, Rahman M, Unicomb L, Ahmed KM, Doza S, Ourshalimian S, Chang HH, **Stowell JD**, Narayan KMV, Shamsudduha M, Patel SA, O'Shea B, Gribble MO. "Groundwater chemistry and blood pressure: A cross-sectional study in Bangladesh." *International Journal of Environmental Research and Public Health*, June 2019.
28. Ourshalimian S, Naser AM, Rahman M, Doza S, **Stowell JD**, Narayan KMV, Shamsudduha M, Gribble MO. "Arsenic and Fasting Blood Glucose in the Context of Other Drinking Water Chemicals: A Cross-Sectional Study in Bangladesh." *Environmental Research*, December 2018.
29. Amin MM, **Stowell JD**, Hendley W, Garcia P, Schmid DS, Cannon MJ, & Dollard SC. "CMV on surfaces in homes with young children: results of PCR and viral culture testing." *BMC Infectious Diseases*, Aug 2018.
30. **Stowell JD**, Kim YM, Gao Y, Fu JS, Chang HH, Liu Y. "The impact of climate change and emissions control on future ozone levels: Implications for human health." *Environment International*, August 2017.
31. Levis D, Hillard, C, Price S, Reed-Gross, E., Bonilla E, Amin M, **Stowell JD**, Clark R, Johnson D, Mask K, Carpentieri C, Cannon M. "Using theory-based messages to motivate US pregnant women to prevent cytomegalovirus infection: results from formative research." *BioMed Central*, 2017.
32. Alman BL, Pfister G, Hao H, **Stowell J**, Hu X, Liu Y, Strickland MJ. "The association of wildfire smoke with respiratory and cardiovascular emergency department visits in Colorado in 2012: a case crossover study." *Environmental Health*, June 2016.
33. **Stowell JD**, Mask K, Amin M, Clark R, Levis D, Hendley W, Lanzieri T, Dollard S, Cannon M. "Cross-sectional study of cytomegalovirus shedding and immunological markers among seropositive children and their mothers." *BMC Infectious Diseases*, November 2014.
34. Cannon M, **Stowell JD**, Clark R, Johnson D, Mask K, Smith C, Wu K, Dollard P, Schmid S, Dollard S. "Repeated measures study of weekly and daily cytomegalovirus shedding patterns in saliva and urine of healthy cytomegalovirus-seropositive children." *BMC Infectious Diseases*, Nov 2014.
35. Dollard SC, Keyserling H, Radford K, Amin MM, **Stowell J**, Winter J, Schmid DS, Cannon MJ, Hyde TB. "Cytomegalovirus viral and antibody correlates in young children." *BMC Research Notes*, November 2014.
36. **Stowell JD**, Forlin-Passoni D, Din E, Radford K, Brown D, White A, Dollard S, Bialek S, Cannon M, Schmid S. "Cytomegalovirus Survival, Transferability, and the Effectiveness of Common

Handwashing Agents against Cytomegalovirus on Live Human Hands.” *Applied and Environmental Microbiology*, January 2014.

37. **Stowell JD**, Forlin-Passoni D, Din E, Radford K, Brown D, White A, Bate S, Dollard S, Bialek S, Cannon M, Schmid S. “Cytomegalovirus Survival on Common Environmental Surfaces: Opportunities for Viral Transmission.” *Journal of Infectious Diseases*, January 2012.
38. **Stowell JD**, Forlin-Passoni D, and Cannon M. “Congenital Cytomegalovirus Treatment and Prevention.” *Contemporary Pediatrics*, May 2010.

Manuscripts in preparation, revision, or submitted for review:

1. **Stowell JD**, et al. “Risk of emergency department visits associated with prescribed fire O₃ in the southeastern US.” (*in review*)
2. Li L, Hao H, **Stowell JD**, et al. “Prenatal Exposure to Prescribed Smoke PM_{2.5} and Low Birth Weight in Georgia, USA.” (*in review*)
3. Wang P, Ma Y, **Stowell JD**, Abadi AM. “Mortality risk and burden associated with hydroclimate whiplash in the United States.” (*in review*)
4. **Stowell JD**, et al. “Behavioral and mental health effects linked to PM_{2.5} from prescribed burning in the Southeastern US.” (*in preparation*)
5. **Stowell JD**, et al. “Estimated effects of wildfire smoke exposure on fecundability.” (*in preparation*)
6. **Stowell JD**, et al. “The spatial distribution of prescribed fire smoke exposure and community-level characteristics in the southeastern US.” (*in preparation*)

Book chapters

1. “Climate Change and Human Health” in Public Health in Practice, edited by Paul Erwin and Ross Brownson (*in revision*).

Dissertation:

Stowell JD, “Multiple Approaches to Understanding the Intersection of Climate Change, Air Quality, and Public Health” 2020, Emory University, Atlanta, GA

National & International Presentations, Lectures, and Posters:

- | | |
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| 2026 | “Climate, wildland fire, and community health”
National Cancer Institute, Occupational and Environmental Epidemiology Branch,
Rockville, MD |
| 2026 | “Health effects from prescribed burns in the Southeastern US”
Prescribed Fire and Health Impacts Workshop |
| 2025 | “Health impacts of PM _{2.5} and O ₃ from prescribed fire burning in 11 SE US states.”
Joint Meeting: International Society of Exposure Science and International Society of
Environmental Epidemiology, Atlanta, GA |
| 2025 | “Climate Change and Health”
Environmental Epidemiology
Department of Environmental Health, Boston University, Boston, MA |
| 2024 | “Climate Change and Community Health: Estimating human impacts of climate
exposures”
Sao Paulo University, Brazil |

- 2024 “Impacts of Prescribed Fire Smoke PM_{2.5} on Human Health in the Southeastern US”
Annual Meeting of the American Geophysical Union, Washington, DC
- 2024 “Wildfire Smoke, Air Quality, and Your Health”
Joint panel discussion with colleagues from H T Chan Harvard School of Public Health
and Boston University School of Public Health, Boston, MA
- 2024 “Emergency Department Visits in California Due to Wildfire PM_{2.5}: Variability in
Vulnerability Among Individuals and Communities”
International Society of Exposure Science, Montreal
- 2024 “Contributions of prescribed burning to adverse health outcomes in southeastern US”
Health Effects Institute Annual Meeting, Philadelphia, PA
- 2024 “The Impacts of Climate-related Exposures on Human Health”
T. H. Chan School of Public Health, Boston, MA
- 2024 “Estimating actionable health impacts of climate and air quality”
Brown University School of Public Health, Providence, RI
- 2024 “Climate, Air Quality, & Community Health”
Sargent College of Health and Rehabilitation Sciences, Boston University, Boston, MA
- 2023 “Estimating actionable human impacts of climate-related exposures”
Schiller Institute for Integrated Science and Society, Boston College, Boston, MA
- 2023 “Differential Impacts of Wildfire Smoke Exposure in Adults”
International Society of Exposure Science, 2023 Annual Meeting, Chicago, IL
- 2022 “Estimating Policy-relevant Health Impacts of Exposure to Wildfire Smoke”
University of Massachusetts Lowell, Lowell, MA
- 2022 “Uncertainties in Prescribed Fire Emissions and Related PM_{2.5} Estimates in the SE US”
American Geophysical Union Annual Fall Conference, Chicago, IL
- 2022 “The Impact of Warm Season Ozone Exposure on Children’s Health in the US”
American Geophysical Union Annual Fall Conference, Chicago, IL
- 2021 “Ambient heat is associated with a higher risk of ED visits in US children with insurance”
Annual Conference of the International Society for Environmental Epidemiology (ISEE).
- 2020 “Wildland Fire Activity Health Implications”
Climate, Health, Sustainability: Environmental Health Research Retreat, Boston, MA.
- 2020 “Impact of Wildfires in the Western US”
Climate Change and Health
Rollins School of Public Health, Emory University, Atlanta, GA
- 2020 “Climate Change Impacts on Human Health: Effects of Increasing Wildfire Activity”
BUSPH Environmental Health Seminar Series, Boston, MA.
- 2019 “High-performance PM_{2.5} exposure models in southern California”
American Geophysical Union Annual Fall Conference, San Francisco, CA.
- 2019 “High-performance PM_{2.5} exposure models in southern California”
NASA HAQAST6 Meeting, Washington, D.C.
- 2018 “Associations of Wildfire-specific PM_{2.5} Exposure on Cardiorespiratory events in
Colorado 2011-2014”
American Geophysical Union Annual Fall Conference, Washington, D.C.
- 2018 “Climate Change, Wildfire, Air Quality, and Public Health in Colorado”
Place & Health Conference, Centers for Disease Control and Prevention, Atlanta, GA.
Geography and Geospatial Science Working Group

- 2018 “Air Pollution, Wildfires, and Human Health under Climate Change Scenarios”
Climate Analysis & Solutions Symposium, Atlanta, GA
- 2017 “Climate and Wildfires in the Rocky Mountains”
Rollins School of Public Health Dean’s Council Meeting, Atlanta, GA

Chaired Conference Sessions:

1. **Stowell JD**, Marlier ME, Qiu M, Schollaert C (2025), Characterizing wildland fire smoke: estimating exposure and associated impacts to public health. *American Geophysical Union Annual Conference*
2. **Stowell JD** (2025), Beyond the flames: The far-reaching health effects of wildfire smoke exposure. *Joint ISEE/ISES Annual Conference*
3. **Stowell JD**, Romitti Y, Danforth C, Patton A (2024). Session co-chair: Wildfires in a Changing Climate: Modeling and Estimating Landscape Fire’s Influence on Air Quality and Water Quality and Associated Impacts on Public Health. *American Geophysical Union Annual Conference*
4. **Stowell JD**, Kinney P, Bredder A, Loboda T (2023). Session chair: Monitoring, modeling, and forecasting the impact of multiple sources of fire emissions and smoke, including wildfires, agricultural burns, and prescribed burns. *American Geophysical Union Annual Conference*
5. **Stowell JD**, Kinney P (2023). Session co-chair: Connecting human health to green and blue space in urban areas. *American Geophysical Union Annual Conference*
6. **Stowell JD**, Gorris M (2022). Session co-chair: GH017 Recent Advances in GeoHealth. *American Geophysical Union Fall Conference*
7. **Stowell JD**, Buffka L, Kurtzman H, Chen K (2022). Session co-chair: Mental Health Consequences of Climate: Panel Discussion. *American Geophysical Union Annual Conference*
8. **Stowell JD**, Bell JE, Liu Y, Kinney P (2020). Session co-chair: GH003 Current Methods and Challenges to Characterize the Impacts of Climate Change on Human Health. *American Geophysical Union Annual Conference*
9. Zaitchik BF, Sweijid N, Shumake-Guillemot J, Morse A, Gordon C, Marty A, Trtanj J, Luterbacher J, Botai J, Behera S, Lu Y, Olwoch J, Takahashi K, **Stowell JD**, Rodo X. (2020) Conference Scientific Planning and co-chair: *Climatological, Meteorological and Environmental factors in the COVID-19 pandemic*.

Extramural & Intramural Funding:

1. “A Novel Multi-Hazard Approach to Examining the Impacts of Extreme Weather Events on Birth Outcomes” (PI), *Pending*, NIH R21 Award
2. “Impact of Extreme Heat, Wildfire Smoke, and Community-Level Social Vulnerability on Maternal Health” (PI), *Pending*, NIH R01 Award
3. “Effects of Outdoor Wildfire PM2.5 on Alzheimer's Disease and Related Dementia” (PI)
Center for Aging, Climate & Health, 2025-2026
4. “C2H2 RCN: OneEarth OneHealth: An Ecosystem for Human-Centered Climate Solutions” (Co-I)
National Science Foundation, Research Coordination Network, 2024-2029
5. “Characterization of climate-induced wildfire exposure during the preconception, prenatal, and postpartum periods” (PI), BUSPH Research Ignition Award, 2023-2024
6. “Contributions of Prescribed Fire and Agricultural Burning to Air Quality and Health” (Co-I).
Health Effects Institute, 2021-2025

Awards and Scholarships

1. NIH-LRP, 2022-2026: "Characterizing Wildland Fire Vulnerability: multi-pollutant, multi-hazard, and social determinant approaches."
2. Research Fellowship Award: Oak Ridge Institute for Science and Education (ORISE), 4-year fellowship at the Centers for Disease Control and Prevention.

Societal Memberships:

2016-present	American Geophysical Union
2015-present	American Association of Geographers
2019-present	International Society for Environmental Epidemiology
2019-present	International Society of Exposure Science
2025-present	American Public Health Association

Selected Press:

1. "Access to Air-Conditioning May Affect Wildfire-Related Health Outcomes" *Eos*, January 2025
2. "Limited Access to Air Conditioning Linked to Increased Emergency Care Demands Amid Wildfire Smoke Exposure" *Science Mag*, January 2025
3. "Lower Access to Air Conditioning May Increase Need for Emergency Care for Wildfire Smoke Exposure" *BUSPH News*, January 2025
4. "Persistent brush fires burning in Mass. | What's trapping the smoke, smell" *NBC10 Boston*, October 2024 (<https://www.youtube.com/watch?v=GfDdN9RCyKE>)
5. "How to protect yourself from wildfire smoke" *New York Times* July 2024
6. "As wildfire smoke spreads, millions of Americans lack access to respiratory care" *PBS NewsHour Weekend*, July 16, 2023 (<https://youtu.be/bRkMkV1ZpHs>)
7. "Air Quality Index: How Hazardous is Wildfire Smoke?" *New York Magazine* June 2023
8. "Air quality map: How much smoke is affecting your town?" *NBC10 Boston* June 2023
9. "How Wildfires Alter the Air We Breathe, and the Forests They Burn" *The Brink*, Boston University, June 2023
10. "Cycling in smoky conditions: What to consider" *Canadian Cycling Magazine*, June 2023
11. "Wildfire Smoke Blots Sun & Prompts Health Alerts in Much of U.S." *New York Times* June 2023
12. "Health Effects of Wildfires: Recent Research and What Clinicians Need to Know" *Pulmonology Advisor* September 2022
13. "Western Wildfires' Health Risks Extend Across the Country" *ScienceNews* June 2022
14. "Wildfires May Exacerbate Asthma in the Western United States" *Eos Science* December 2020
15. "Is it Safe to Exercise if the Air Is Hazy with Wildfire Smoke?" *New York Times* September 2020

TEACHING, EDUCATION, AND MENTORING

Classroom teaching and invited lectureships:

Spring 2026	Instructor
	Introduction to Environmental Health (MIEH 300)
	University of Maryland School of Public Health

Spring 2026	Guest Lecturer Environmental Exposure Assessment (MIEH 771) University of Maryland School of Public Health
Fall 2025	Guest Lecturer Climate Change and Public Health (SPH EH 720) Boston University School of Public Health
Spring 2025	Instructor Public Health in a Global Society (PHCG/NURS 1210) Boston College
Fall 2024	Instructor Urban Biogeoscience and Environmental Health (SPH EH 799) Boston University School of Public Health
Fall 2023	Instructor Environmental Health (PHTH 2414) Northeastern University
Fall 2021, 2022, 2023, 2024	Co-Instructor Climate Change and Health (SPH EH 720) Boston University School of Public Health
Spring 2022	Guest Lecturer Planetary Health (EH 590R) Rollins School of Public Health, Emory University
Fall 2020	Guest Lecturer Climate Change and Public Health (SPH EH 720) Boston University School of Public Health
Spring 2020	Guest Lecturer, Advanced Seminar in Climate Change and Health (EH 586) Rollins School of Public Health, Emory University
Fall 2015, 2016, 2017, 2018	Lab Instructor Fundamentals of Cartography and GIS (ENVS 250) Emory University

Teaching Assistantships:

2016	Environmental and Occupational Health Policy (EH 570) Rollins School of Public Health, Emory University
2015	Environmental Epidemiology (EH 530) Rollins School of Public Health, Emory University
2014	Introduction to GIS (INFO 530) Rollins School of Public Health, Emory University

Mentoring Experience:

2025-present	Graduate student mentoring University of Maryland School of Public Health Nick An, John Wiggins, Jifei Chen, Kha-Ai Tran, Rebecca Patterson
2024-present	Graduate student mentoring Milken Institute School of Public Health at George Washington University Greta Martin
2020-2025	Graduate student mentoring

Boston University School of Public Health
 Yewon Na, Dawn Liang, Elaine Bertolini, Neil Bedi Singh, Quinn Adams
 2014-2019 Graduate student mentoring
 Rollins School of Public Health, Emory University
 Jianzhao Bi, Wenhao Wang, Bryan Vu, Fengchao Liang, Lin Wang, Qiulun Li, Lois Chang, Futu Chen, Sophia Le

Teaching Interests:

Air Pollution Epidemiology, Environmental Epidemiology, Wildfire Exposure Epidemiology, Environmental Equity & Justice, Climate Change Science and Adaptation, Climate Change and Public Health, Foundations in Environmental Health, Analytical Methods in Environmental Health, Geographic Information Systems (GIS), Data and Methods for Climate and Health Research

SERVICE ACTIVITIES

Academic:

2025-present	Member, NASA ROSES HAQ Peer Review Panel
2025-present	Member, Environmental Research: Health Editorial Board
2025-present	Member, Small Grants to Advance Translational Science Program and Scientific Training Review Committee
2024-present	Associate Editor, GeoHealth Journal (IF 4.33)
2024-present	Co-chair, GeoHealth Working Groups
2024-present	Associate Editor, Environmental Research Letters (IF 5.8)
2023-2024	Secretary, GeoHealth Section American Geophysical Union
2023-2024	Co-lead, GeoHealth Showcase Event American Geophysical Union
2022-present	North American World Meteorological Organization Vegetation Fire and Smoke Pollution Warning and Advisory System (VFSP-WAS) Health Working Group
2022-2023	Lead, Inaugural GeoHealth Showcase Event American Geophysical Union
2021-2023	Department of Environmental Health DEI Committee Boston University School of Public Health, Boston, MA
2018-2023	Co-Chair, GeoHealth Section Meetings Committee American Geophysical Union
2015-2019	Member, Environmental Health Sciences Student Government Association Emory University, Atlanta, GA

Peer review activity:

- | | |
|--|--|
| • <i>Atmosphere</i> | • <i>International Journal of Epidemiology</i> |
| • <i>BMC Medicine</i> | • <i>Journal of Environmental Management</i> |
| • <i>Environmental Health Perspectives</i> | • <i>Nature</i> |
| • <i>Environment International</i> | • <i>Nature Climate Change</i> |
| • <i>Environmental Research Letters</i> | • <i>Paediatric and Perinatal Epidemiology</i> |

- *Environmental Research*
- *Epidemiology*
- *Lancet Planetary Health*
- *Pediatrics*
- *Science of the Total Environment*
- *Nature Health*

Community Outreach and Service:

2021-present Co-lead, youth service and activities program, Roslindale, MA
 2021-2024 Co-coordinator, Milton High School Booster, Milton, MA
 2013-2019 Vice President, Scottdale Youth Sports Park, Scottdale, GA
 2010-2015 Co-lead, children's education and activities program, Atlanta, GA