Quan Qi

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ACADEMIC POSITION

Postdoctoral Fellow (Health Economics), School of Nursing, Johns Hopkins University 2025-
Research Affiliate, Hopkins Business of Health Initiative, Johns Hopkins University 2025-
Research Fellow, Institute For Replication 2025-

EDUCATION

Ph.D. in Economics, University at Albany, State University of New York 2025
Dissertation: Essays on Health Economics
Committee: Pinka Chatterji (Co-chair), Chun-Yu Ho (Co-chair), Gerald Marschke
M.A. in Public Economics, University at Albany, State University of New York 2022
M.A. in Economics, Central South University 2019
B.A. in International Economics & Trade, *with honors*, Huazhong Agricultural University 2016

RESEARCH FIELDS

Primary field: Applied Microeconomics, Health Economics
Secondary field: Environmental Economics, Public Health

TEACHING INTERESTS

Microeconomics and Macroeconomics (Introductory and Intermediate), Econometrics, Statistics, Health Economics, Labor Economics, Environmental Economics, Public Economics, International Trade, Economics of Development, Economics of Gender and Race

SELECTED PEER-REVIEWED PUBLICATIONS

([#] denotes alphabetical order or equal contribution (co-first authors). * indicates student coauthors.)

8. Pinka Chatterji, Chun-Yu Ho, and **Quan Qi**[#] (2026). The Impacts of TRAP Laws on the Supply of Maternal Healthcare Providers. *Health Economics, Forthcoming (Corresponding Author).*
7. Pinka Chatterji, Chun-Yu Ho, and **Quan Qi**[#] (2026). Import Competition and Racial Disparities in Mortality: Evidence from the Japanese Trade Shock. *Health Economics,* 35(2), 265-293.
6. **Quan Qi**[#], Yukang Xue[#], Najm A. Madani, Randy Tangang, Fangqun Yu, Arshad A. Nair, Xiaobo Romeiko Xue, Gan Luo, Isa Brackett*, Chris Thorncroft, and Shao Lin (2025). Individual Effects and Interactions Between Ultrafine Particles and Extreme Temperatures on Hospital Admissions of High Burden Diseases. *Environment International*, 109348.
5. Shao Lin, Yukang Xue, Sathvik Thandra, **Quan Qi**, Sally W. Thurston, Daniel P. Croft, Mark J. Utell, Philip K. Hopke, and David Q. Rich (2025). Source Specific Fine Particles and Rates of

Asthma and COPD Healthcare Encounters Pre-and Post-implementation of the Tier 3 Vehicle Emissions Control Regulations. *Journal of Hazardous Materials*, 136737.

4. Shao Lin[#], **Quan Qi**[#], Han Liu, Xinlei Deng, Ian Trees, Xiaojun Yuan, and Mary P. Gallant (2024). The Joint Effects of Thunderstorms and Power Outages on Respiratory-related Emergency Visits and Modifying and Mediating Factors of This Relationship. *Environmental Health Perspectives*, 132(6): 67002.
3. **Quan Qi**, Fangqun Yu, Arshad A. Nair, Sam S. S. Lau, Gan Luo, Imran Mithu, Wangjian Zhang, Sean Li*, and Shao Lin (2024). Hidden Danger: The Long-term Effect of Ultrafine Particles on Mortality and Its Sociodemographic Disparities. *Journal of Hazardous Materials*, 134317.
2. Shao Lin, Yukang Xue, Sathvik Thandra, **Quan Qi**, Philip K. Hopke, Sally W. Thurston, Daniel P. Croft, Mark J. Utell, and David Q. Rich (2024). $PM_{2.5}$ and Its Components and Respiratory Disease Healthcare Encounters—Unanticipated Increased Exposure-response Relationships in Recent Years After Environmental Policies. *Environmental Pollution*, 124585.
1. Arshad A. Nair, Shao Lin, Gan Luo, Ian Ryan, **Quan Qi**, Xinlei Deng, and Fangqun Yu (2023). Environmental Exposure Disparities in Ultrafine Particles and $PM_{2.5}$ by Urbanicity and Sociodemographics in New York State 2013-2020. *Environmental Research*, 239: 117246.

WORKING PAPERS

Medicare Part D and Retirement Lock: The Role of the Affordable Care Act and Medicaid Expansion, Solo-Authored (Best Third Year Paper, University at Albany)

Public Health Insurance and Infant Health: Evidence from Medicaid Funding Cuts in Texas, with Ehsan Mohaghegh Dowlatabadi, Xin Brown, Nahid Tavassoli, and Hamid Noghanibehambari

Geographic Disparities in the Supply of Maternal Health Care Providers, with Pinka Chatterji, David Strogatz, Anne M. Gadomski, and Chun-Yu Ho

Comparing Human-only, AI-Assisted, and AI-Led Teams on Assessing Research Reproducibility in Quantitative Social Science (consortium). *Proceedings of the National Academy of Sciences, Accepted*

Deadly Heat: The Impacts of Extreme Heat on Mortality, Attributable Risks and Thresholds, with Lixia Liang, Maxwell D. Weidmann, Randy Tangang, Liqiong Guo, Zhongguo Huang, Junrong Ma, Najm Alsadat Madani, Guang-Hui Dong, Guoqiang Chen, and Shao Lin. *Revise and Resubmit*

SELECTED WORK IN PROGRESS

Impacts of Integrated Dual Eligible Special Needs Plans on Home and Community-Based Care across Medicare and Medicaid, with Eric Slade

Global Capital and Local Health: Evidence from Foreign Direct Investment into the United States, with Chun-Yu Ho and Haruka Takayama

From Economic Shocks to Despair: The Impact of Bank Failures on Mental Health and Mortality, with Kyoungah Noh

RESEARCH EXPERIENCE

Postdoctoral Fellow Sep. 2025-

Principal Investigator (PI): Eric Slade (JHU School of Nursing), National Institutes of Health (NIH), "Health Care Access, Quality, and Outcomes among Individuals with Dementia in Dual Eligible Special Needs Plans"

Research Assistant Feb. 2024-Apr. 2024

PI: Pinka Chatterji (UAlbany Department of Economics) and Kate Strully (UAlbany Department of Sociology), NIH, "Effects of Medicaid Expansions on Infant Health Among Native Americans"

Research Assistant and Grant Coordinator May 2022-June 2025

PI: Shao Lin (UAlbany Department of Environmental Health Sciences), NIH, "Weather Extremes, Natural Disasters, and Health Outcomes among Vulnerable Older Adults: New Improvements on Exposure Assessment, Disparity Identification, and Risk Communication Strategies", 2022-2026 ($1,579,921)

Research Assistant and Grant Coordinator May 2021-Mar. 2025

PI: Fangqun Yu (UAlbany Atmosphere Science Research Center) and Shao Lin (UAlbany Department of Environmental Health Sciences), New York State Energy Research and Development Authority, "Evaluating Short-/Long-term Impacts and Exposure Sources of Ultrafine Particles on Multiple Health Outcomes in New York State by Using High-Resolution Pollutant Simulations", 2019-2024 ($609,851)

Research Assistant and Grant Coordinator Sep. 2016-June 2019

PI: Hua Yin (Central South University School of Business), The National Social Science Fund of China, "Mechanism Analysis on Resolving Excess Capacity from Demand and Supply Sides for China's Machinery Manufacturing Industry in 'The Belt and Road' Strategy", 2016-2021 (¥250,000)

GRANTS & RESEARCH SUPPORT

Institute for Humane Studies Expense Support (External Funding), $2,189 2025
SUNY Research Foundation Travel Grant, $2,093 2024
The Karen R. Hitchcock New Frontiers Fund for Research, Initiatives for Women, USD$700 2024
SUNY Research Foundation Travel Grant, $3,900 2023
Center for Aging and Policy Studies Travel Grant (External Funding), $1,500 2022
The Karen R. Hitchcock New Frontiers Fund for Research, Initiatives for Women, $1,000 2022

SEMINAR/CONFERENCE PRESENTATIONS

(† indicates scheduled. $^{\#}$ indicates presentation by coauthors. All presentations are oral unless otherwise noted as a poster.)

24. NBER Coordinating Center on the Economics of AD/ADRD Prevention, Treatment, and Care, June 2026†
23. American Society of Health Economists (ASHEcon) Annual Meeting, Minneapolis, MN, June 2026†
22. Chinese Economists Society 2026 North America Annual Conference, Atlanta, GA, March 2026
21. World Congress of the Econometric Society, Seoul, Korea, August 2025 (Accepted)
20. American Society of Health Economists Annual Meeting, Nashville, TN, June 2025

19. Pennsylvania Economic Association (PEA) Annual Conference, Reading, PA, May 2025
18. Eastern Economic Association (EEA) Annual Meeting (CSWEP-organized session), New York City, NY, February 2025
17. Allied Social Science Associations Annual Meeting (ASHEcon-organized session), San Francisco, CA, January 2025
16. Southern Economic Association Annual Meeting, Washington, DC, November 2024
15. Association for Public Policy Analysis & Management Research Conference (×2), National Harbor, MD, November 2024
14. National Atmospheric Deposition Program Conference (×2, 1 poster and 1 oral), Duluth, MN, November 2024[#]
13. American Public Health Association Annual Meeting (poster), Minneapolis, MN, October 2024[#]
12. American Society of Health Economists Annual Meeting, San Diego, CA, June 2024
11. International Conference on Air Quality, Helsinki, Finland, May 2024[#]
10. Midwest Economic Association (MEA) Annual Meeting, Chicago, IL, March 2024
9. Eastern Economic Association Annual Meeting, Boston, MA, February 2024
8. American Public Health Association Annual Meeting (×2, 1 poster and 1 oral), Atlanta, GA, October 2023
7. Aging and Rejuvenation Conference (keynote), Frankfurt, Germany, July 2023[#]
6. American Society of Health Economists Annual Meeting, St. Louis, MO, June 2023
5. International Society for Environmental Epidemiology Annual Meeting (poster), Athens, Greece, September 2022[#]
4. International Society of Biometeorology Conference (poster), virtual, September 2021
3. The 3rd and 4th Year Ph.D. Women's Workshop, Women in Economics Organization, Boston University, virtual, September 2021
2. A Mentoring Workshop for 3rd & 4th Year Women & Non-Binary PhD Students in Health Economics & Health Policy, support from AEA-CSWEP and ASHEcon, virtual, September 2021
1. China International Trade Discipline Development Forum, Beijing, China, November 2018

TEACHING EXPERIENCE

Instructor of Record

Department of Economics, University at Albany

Intermediate Microeconomics (Undergraduate) — Summer 2025
Enrollment: 24, Evaluation: 5.00/5.00, Response rate: 29.17%

Intermediate Microeconomics (Undergraduate) — Summer 2024
Enrollment: 30, Evaluation: 4.00/5.00, Response rate: 23.33%

Economics of Development (Undergraduate) — Winter 2024
Enrollment: 27, Evaluation: 5.00/5.00, Response rate: 14.81%

International Economic Relations (Undergraduate) — Summer 2023
Enrollment: 25, Evaluation: 4.25/5.00, Response rate: 16.00%

Guest Instructor

Department of Economics, University at Albany

Principles of Microeconomics (Undergraduate) Spring 2024
Guest lecture: Economics of healthcare
School of Public Health, University at Albany
Global Perspectives in Epidemiology (Graduate) Spring 2024
Guest lecture: Difference-in-differences methods
Climate Change, Extreme Weather and Public Health (Graduate) Spring 2023
Guest lecture: Air pollution and mortality
Teaching Assistant (Held office hours, graded assignments, assisted with teaching)
Department of Economics, University at Albany
Microeconomics II (Ph.D.) Spring 2022
Mathematical Economics (Ph.D.) Fall 2021
Microeconomics II (Ph.D.), Macroeconomics II (Ph.D.) Spring 2021
Mathematical Economics (Ph.D.), Intermediate Microeconomics (Undergraduate) Fall 2020
Mathematical Economics (Graduate), International Trade (Undergraduate) Spring 2020

SELECTED HONORS, SCHOLARSHIPS, AND FELLOWSHIPS

Graduate Student Association Professional Development Awards, $588 2025
Department of Economics Student Travel Award, University at Albany, $500 2025
Graduate Student Association Professional Development Awards, $585 2024
Best Poster Award at National Atmospheric Deposition Program Conference 2024
Department of Economics Student Travel Award, University at Albany 2024
Pong Lee Award for Best Third-year Paper in Economics, University at Albany, $500 2022
Highest Academic Performance on Preliminary Exams in Economics, University at Albany 2020
Graduate Assistantship, University at Albany 2019-2021
First Class Scholarship for Academic Excellence, Central South University 2016-2018
Excellent Project Award, PI for University-funded Research Project (Project No.: 2014080) 2015
Honorable Mention, International Mathematical Contest in Modeling (MCM) 2015
National Scholarship in China 2013-2014

SERVICE TO THE DISCIPLINE

Referee for Journals in Economics, Health Policy, and Environmental Health: *Economics & Human Biology; International Review of Economics and Finance; Engineering Economist; JMIR Public Health and Surveillance; Journal of Racial and Ethnic Health Disparities; npj Health Systems; Environmental Research; Atmospheric Pollution Research*

Editorial Board Member: *npj Health Systems*

Conference Service: Reviewer: ASHEcon 2026; **Session chair:** PEA 2025; **Organizer:** ASHEcon 2023; **Discussant:** ASHEcon 2026, PEA 2025, EEA 2024 & 2025, MEA 2024, ASHEcon 2023

SERVICE TO THE UNIVERSITY

Grant Reviewer: Graduate Student Association, University at Albany 2024

Administrative Coordinator: Open Economy Research and Development Center, School of Busi-

ness, Central South University 2017-2018

MEDIA COVERAGE

Abortion Restrictions Are Limiting Women's Access to Ob-Gyns for Other Types of Healthcare. Everyday Health, February 26, 2026

Have abortion-related laws affected broader access to maternal health care?. Wiley Research Headlines, February 25, 2026

Japanese Trade Shock Linked to Higher Mortality Among Black Americans, New Study Finds. Selected for *Health Economics*' media promotion initiative distributing press kits to traditional media outlets, November 7, 2025; University at Albany Focus on Research, November 20, 2025

Tiny airborne particles within air pollution could be a silent killer - new study uncovers hidden risks and reveals who's most at risk in New York state. The Conversation, October 24, 2024

UAlbany Study: Joint Effects of Thunderstorms and Power Outages Increase Respiratory-Related Emergency Department Visits. University at Albany News, July 30, 2024; covered by Medical Xpress

UAlbany Study Examines Impact of Exposure to Ultrafine Particles on Mortality in New York. University at Albany News, July 30, 2024; covered by Medical Xpress

PROFESSIONAL MEMBERSHIP

American Society of Health Economists
American Economic Association
Association for Public Policy Analysis & Management
Eastern Economic Association
Southern Economic Association

SKILLS

Software: Stata, R, LaTeX, ArcGIS, Python, SAS, Linux (HPC environment), MATLAB, SPSS

Professional development training:

Shift-Share Instrumental Variable, Mixtape Session	2023
Frontiers in Difference-in-Difference, Mixtape Session	2023
Machine Learning & Causal Inference, Stanford Graduate School of Business	2023
Causal Inference Workshop, Center for Aging and Policy Studies	2022

Language: English (Fluent), Chinese (Native)