

SARA R. RONNKVIST

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EDUCATION

Ph.D. in Sociology

University of Wisconsin - Madison

Post-disaster Migration in the US

Expected May 2026

M.S. in Sociology

University of Wisconsin - Madison

Previous Hurricane Exposure and Migration in the US Gulf Coast Region

2023

B.S. in Statistics

Iowa State University

Minor in Sociology

Magna Cum Laude

Honors Program

Phi Beta Kappa

2020

JOURNAL PUBLICATIONS

Ronnkvist, S.R., Haskell-Craig, Z., Robinson, A., Conte Keivabu, R., Hauer, M.E., Bovienzo, D., & Zagheni, E. (2025) What's the TEE: Metrics of Temperature Extremes in Europe NUTS Regions (1980-2024). *Scientific Data*. <https://doi.org/10.1038/s41597-025-05352-7>

Ronnkvist, S.R., Thiede, B.C., Barber, E. (2023). Child Fostering in a Changing Climate: Evidence from Sub-Saharan Africa. *Population and Environment*, 45(29). <https://doi.org/10.1007/s11111-023-00435-2>

- 2023 IPUMS Research Award for best IPUMS Global Health data paper led by a graduate student
- General audience summary for the [New Security Beat](#)

Thiede, B. C., **Ronnkvist, S.**, Armao, A., & Burka, K. (2022). Climate anomalies and birth rates in sub-Saharan Africa. *Climatic Change*, 171(1), 1-20. <https://doi.org/10.1007/s10584-021-03273-z>

BOOK CHAPTERS

Ronnkvist, S.R., Peters, S.A., Curtis, K.J. (equal authorship) Forces, Patterns, and Consequences of Rural Migration. In . Tickmayer, A. Sachs, C. (Eds.), *Research Handbook of Rural Sociology*. Edward Elgar Publishing Ltd. (forthcoming)

MANUSCRIPTS UNDER REVIEW/IN PROGRESS

Under review

Venechuk, G. & **Ronnkvist, S.R.** Fired Up for Work: Examining the Relationship between Environmentally-Vulnerable Work and Population Health Outcomes in the Context of Wildfire. (*Revise and resubmit at Population and Environment*)

Ronnkvist, S.R., DeWaard, J., Curtis, K.J., & Fussell, E. Historical post-disaster migration across the life course: Evidence from one century of linked U.S. censuses.

Preparing for resubmission

Haskell-Craig, Z., **Ronnkvist, S.R.**, Robinson, A., Bovienzo, D., Conte Keivabu, R., Hauer, M.E., & Zagheni, E. Not just heat: place-based vulnerability to temperature extremes overestimated in Europe without including measures of adaptive capacity.

In progress

Ronnkvist, S.R. & Curtis, K.J. Previous Hurricane Exposure in the US.

Grant, M., Curtis, K.J., & **Ronnkvist, S.R.** Lengthening Birth Intervals and the Role of Environmental Uncertainty.

Curtis, K.J., Parker, D., Fussell, E., DeWaard, J., & **Ronnkvist, S.R.** Environmental Migration and Place-Based Natural Assets: Conceptualizing Fixed and Mobile Natural Resources in the US Gulf Coast.

McConnell, K., Fussell, E., Curtis, K.J., DeWaard, J., & **Ronnkvist, S.R.** Age-specific Migration Flows Across the Rural-urban Continuum: New Evidence from U.S. Census Administrative Records.

RESEARCH POSITIONS

University Fellowship University of Wisconsin - Madison	September 2025 - May 2026 September 2020 - May 2021
Research Assistant University of Wisconsin - Madison Dr. Katherine Curtis	September 2024 - Present June 2021 - August 2022
Affiliate Student Max Planck Institute of Demographic Research	September 2024 - Present

Summer Incubator Participant Max Planck Institute for Demographic Research (MPIDR)	June 2024 - August 2024
T32 Trainee National Institute of Child Health and Development (NICHD)	September 2022 - August 2024
Pre-doctoral Fellow Center for Demography and Ecology (CDE)	August 2020 - Present
Drawdown Scholar The Pennsylvania State University Drawdown Research Experience for Undergraduates (REU) Dr. Brian Thiede	June 2019 - July 2019
Research Assistant Iowa Rural and Farm Life Poll Iowa State University Dr. J Gordon Arbuckle	November 2018 - May 2020

GRANTS

Center for the Demography of Health and Aging (CDHA) Pilot Grant Graduate Student Research Assistant Katherine J. Curtis (PI), "Climate and Healthy Aging: Spatial Distributions of Environmental Hazards" (\$50,000)	September 2024 - August 2025
College of Liberal Arts and Sciences Dean's High Impact Award for Undergraduate Research Application Iowa State University	Fall 2018 Spring 2018

INVITED PRESENTATIONS

Invited Presenter New Data and Directions in the Study of Migration Hong Kong University <i>Historical post-disaster migration across the life course: Evidence from one century of linked U.S. censuses</i>	February 2024
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INVITED WORKSHOPS

Invited Speaker

April 2024

Climate, Aging, and Health: A Pre-PAA
Interdisciplinary Mini-Conference focused on Rural
America

Invited Participant

September 2024

D4 Hack Week: Disasters, Demography, Disparities,
and Decisions at University of Washington Seattle

CONFERENCE PRESENTATIONS

Oral Presentation

2025

Climate Change, Environmental Hazards, and Population Dynamics
Organized by Max Planck Institute of Demographic Research & International Union of
Scientific Study of Population (IUSSP) Scientific Panel on Population Dynamics
under Global Conflict and Climate Change
Post-disaster transitions and trajectories of step-wise, stage, and return migration

Oral Presentation

2025 Data-Intensive Research Conference
Organized by IPUMS & NDIRA
*Historical post-disaster migration across the life course: Evidence from one century of
linked U.S. censuses*

Oral Presentation

Population Association of America (PAA) Annual Meeting - Washington D.C.
*Historical post-disaster migration across the life course: Evidence from one century of
linked U.S. censuses*

Oral Presentation

2024

Population Association of America (PAA) Annual Meeting - Columbus, OH
*Working in Smoke: Understanding Wildfire Health Disparities Within the Context of
Occupational Vulnerability*

Poster Presentation

Population Association of America (PAA) Annual Meeting - Columbus, OH
Estimating Migration Systems Using Markov Chain Coarse-Graining

Oral Presentation

2023

Population Association of America (PAA) Annual Meeting - New Orleans, LA
Previous Hurricane Exposure and Migration in the Gulf Coast (1990 to 2011)

Poster Presentation

Population Association of America (PAA) Annual Meeting - New Orleans, LA
Fire Away! Understanding the Effect of Wildfires on Colorado's Environmentally Dependent Job Market (2001-2021)

Oral Presenter

2021

Population Association of America (PAA) Annual Meeting - St. Louis, MO (virtual due to COVID-19)
The Effects of Climatic Variability on Child Fostering in Sub-Saharan Africa

Oral Presenter

2020

Population Association of America (PAA) Annual Meeting - Washington D.C. (virtual due to COVID-19)
The Effects of Climate Variability on Fertility in Sub-Saharan Africa

TEACHING POSITIONS

Summer DemSem Co-coordinator

May 2024

Environmental Demography
Co-instructors: Sarah Bass, Dr. Max Besbris, & Dr. Katherine J. Curis

Grader

Fall 2023

CES 140: Introduction to Community and Environmental Sociology
Course instructor: Todd Flournoy

Grader

Fall 2022

SOC 181: The Sociological Enterprise
Course instructor: Loren Peabody

NextGen Pop Co-instructor
Migration
Co-instructors: Dr. Katherine J. Curtis

June 2022

DEPARTMENTAL SERVICE

Student Representative
Sociology Hiring Committee

Fall 2024

Student Co-coordinator
Spatial Thinking Working Group

Spring 2024

Selected Student Representative
Graduate Program Committee

AY 2021-2022

Chair
Sociology Graduate Student Association (SGSA)

Fall 2021 - Spring 2023

Faculty Liaison
Sociology Graduate Student Association (SGSA)

Fall 2020 - Spring 2021

PROFESSIONAL SERVICE

Advocacy Day
Population Association of America (PAA)
Washington D.C.

April 2025

Session Discussant
Population Association of America (PAA) Annual
Meeting - Washington D.C.

Organizer
Population & Environment Working Group
*Informal working group for early-career
environmental demographers*

October 2024 - Present

Session Chair
Population Association of America (PAA) Annual
Meeting - Columbus, OH

April 2024

Mentor

NextGenPop

Undergraduate population research training program

June 2022