

Casey Jo Mullen

Postdoctoral Research Associate

Social Science Environmental Health Research Institute

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EDUCATION

- 2023 **Doctor of Philosophy**, Sociology, University of Utah
Dissertation: “Managing Air Pollution Risk through Participatory Air Quality Sensing”
Dissertation Advisor: Sara E. Grineski
Committee Members: Brett Clark, Lazarus Adua, Timothy W. Collins, and Kerry Kelly
- 2018 **Master of Arts**, Sociology, Florida Atlantic University
Thesis: “Framing Climate Change: Structural Education, Individual Action”
Thesis Advisor: Patricia Widener
Committee Members: Philip Lewin and Mark Harvey
- 2013 **Bachelor of Arts**, Sociology, East Carolina University

GRANTS (Awarded)

- 2022 Air Quality Sensing, Outreach, and Pollution Resilience at the Glendale Library.
Undergraduate Student Researchers: Lauren Piper Christian and Dylan Rosenburg, Graduate Student Researcher: Casey Mullen, Faculty Research Advisor: Adrienne Cachelin. University of Utah, Sustainable Campus Initiative Fund (SCIF) Grant. Submitted February 25, 2022. Project Dates: 08/01/2022-07/31/2023. \$3,409.00.
- 2021 Doctoral Dissertation Research Improvement Grant: Investigating Environmental Justice and Managing Air Pollution Risk through Participatory Sensing. Submitted to: National Science Foundation Decision, Risk and Management Science program. PI: Dr. Sara E. Grineski, Co-I: Casey Mullen. Submitted January 18, 2021. Project dates: 07/01/2021-06/30/2022. \$26,640.00.
- 2021 Community-Based Educational Outreach to Address Air Pollution: A U-Community Partnership for Environmental Justice. Graduate Student Researcher: Casey Mullen, Faculty Research Advisor: Sara E. Grineski. University of Utah, Sustainable Campus Initiative Fund (SCIF) Grant. Submitted February 19, 2021. Project Dates: 06/01/2021-05/31/2022. \$24,569.00.
- 2021 Doctoral Dissertation Research: Investigating Environmental Justice and Managing Air Pollution Risk through Participatory Sensing. Graduate Student Researcher: Casey Mullen, Faculty Research Advisor: Sara E. Grineski. University of Utah, Global Change and Sustainability Center Research Grant. Submitted March 15, 2021. Project Dates: 05/01/2021-04/30/2022. \$2,978.28 (Awarded but declined receipt due to DRMS NSF award).
- 2021 The Exposure Experience: Environmental Justice and Participatory Sensing of Air Pollution Monitoring. Submitted to: American Sociological Association Dissertation Research Improvement Grant competition. Research Scholar: Casey Mullen, Research Sponsor: Dr. Sara E. Grineski. Submitted November 1, 2020. Project dates: 05/01/2021-04/30/2022. \$15,270.00 (Awarded but declined receipt due to DRMS NSF award).

PUBLICATIONS

* denotes undergraduate student author

' denotes equal authorship

Under Review **Mullen, C.**, Grineski, S.E., and Collins, T.W. “Air Quality Sensors and Distributional

- Environmental Justice: A Case Study of Salt Lake County, Utah.” *Environmental Sociology*. Submitted June 2023.
- 2023 Grineski, S.E., Collins’, T.W., *Alexander’, C., Allain’, M., Goodwin’, E., **Mullen’, C.**, *Ramos’, K., Renteria’, R., Rubio’, R., Shaker’, Y., and Scott’, M. “Environmental Influences on Academic Proficiency.” *Current Epidemiology Reports*. <https://doi.org/10.1007/s40471-023-00324-0>. Invited Submission.
- 2022 Grineski, S.E., *Griego, A., **Mullen, C.**, Collins, T.W., Nadybal, S. and *Mangadu, A. “Tree Canopy Cover, Social Disparities and Academic Proficiency at Utah Public Primary Schools.” *Environmental Justice*. <https://doi.org/10.1089/env.2021.0113>.
- 2022 Collins, T.W., Grineski, S.E., Shaker, Y., and **Mullen, C.** “Communities of color are disproportionately exposed to long- and short-term PM_{2.5} in metropolitan America.” *Environmental Research*. 214:114038. <https://doi.org/10.1016/j.envres.2022.114038>.
- 2022 **Mullen, C.** and Widener, P. “Dissonance Between Framing and Acting for Climate Justice.” *Local Environment*. 27(5):586-604. <http://dx.doi.org/10.1080/13549839.2022.2048257>.
- 2022 Grineski, S.E., Collins, T.W., and **Mullen, C.** “When Not Implemented Communally, Citizen Science Efforts May Reflect, Reinforce, and Potentially Exacerbate Environmental Injustice.” *American Journal of Public Health*. 112(3):348-50. <https://doi.org/10.2105/AJPH.2021.306646>.
- 2021 **Mullen, C.**, Flores, A.B., Grineski, S.E., and Collins, T.W. “Exploring the Distributional Environmental Justice Implications of PurpleAir Sensors in Los Angeles County.” *Environmental Research*. 206:112612. <https://doi.org/10.1016/j.envres.2021.112612>.
- 2020 Flores, A.B., Collins, T.W., Grineski, S.E., *Griego, A., **Mullen, C.**, Nadybal, S., Renteria, R., Rubio, R., Shaker., Y., and *Trego, S. “Environmental Justice in the Disaster Cycle: Hurricane Harvey and the Texas Gulf Coast.” *Environmental Justice*. 14(2):146-58. <https://doi.org/10.1089/env.2020.0039>.
- 2020 **Mullen, C.**, Grineski, S.E., Collins, T.W. and Mendoza, D. “Effects of PM_{2.5} on third grade students’ proficiency in math and English language arts.” *International Journal of Environmental Research and Public Health*. 17(18):1-21. <https://doi.org/10.3390/ijerph17186931>.
- 2020 Flores, A.B., *Castor, A., Grineski, S.E., Collins, T.W., and **Mullen, C.** “Petrochemical releases disproportionately affected socially vulnerable populations along the Texas Gulf Coast after Hurricane Harvey. *Population and Environment*. 42(3):279-301. <https://doi.org/10.1007/s11111-020-00362-6>.
- 2020 **Mullen, C.**, Grineski, S.E., Collins, T.W., Xing, W., Whitaker, R., Sayahi, T., Becnel, T., Goffin, P., Gaillardon, P.-E., M. Meyer and Kelly, K. “Patterns of distributive environmental inequity under different PM_{2.5} air pollution scenarios for Salt Lake County public schools.” *Environmental Research*. 186:1-10. <https://doi.org/10.1016/j.envres.2020.109543>.
- 2020 Nadybal, S., Grineski, S.E., Collins, T.W., Flores’, A.B., Rubio’, R., **Mullen’, C.**, *Castor’, A. and *Griego’, A. “Environmental Justice in the US and Beyond: Frameworks, Evidence, and Social Action.” Pp. 187-209. Invited chapter in K. Lersch and J. Chakraborty (eds.) *Geographies of Behavioral Health, Crime, and Disorder – The Intersection of Social Problems and Place*. Springer.

RESEARCH EXPERIENCE

- 2023 (Present) **Postdoctoral Research Associate**, Social Science Environmental Health Research Institute, Northeastern University. <https://www.northeastern.edu/environmentalhealth/>
Responsibilities: Through a dual appointment at Silent Spring Institute (SSI), I conduct interviews with research personnel on their experiences with report-back (i.e., reporting back personal biomonitoring and environmental exposure results to participants). With the results of these interview data, the study team will design, evaluate, and disseminate a hands-on researcher report-back training program.

- 2018-2023 **Research Team Member**, Center for Natural and Technological Hazards, University of Utah.
<https://hazards.utah.edu/>
Responsibilities: I engaged in quantitative research analyses as well as mentored undergraduate student researchers.
- 2021 **Graduate Student Training Coordinator**, Health, Air Pollution, and Population Initiative in Education and Science Training (HAPPIEST)/Summer Program for Undergraduate Research, University of Utah.
Responsibilities: I managed an IRB approved interdisciplinary research project, under the direction of faculty mentors (Dr. Kerry Kelly of Chemical Engineering and Dr. Sara E. Grineski of Sociology). I mentored two undergraduate research trainees (Jose Carreon-Andrade and Bianca Paulino). I conducted qualitative interviews and collected data from surveys with them. Study Title: "Managing Air Pollution Risk through Participatory Sensing."
- 2019-2020 **Graduate Research Assistant**, Kem C. Gardner Policy Institute, University of Utah.
Responsibilities: I assisted in qualitative research design and implementation on a survey research team.
- 2019-2020 **Graduate Research Assistant**, NEXUS, University of Utah. PI: Daniel Mendoza; Co-Is: Sara E. Grineski and Tim W. Collins.
Responsibilities: I assembled data on school locations, school demographics, standardized test scores, and air pollution as well as conducted statistical analysis for a Seed Grant-funded project.
- 2013 **Undergraduate Research Assistant**, Community Research Lab, East Carolina University.
Responsibilities: I worked on a research team responsible for data collection. I conducted phone interviews with North Carolina residents about their internet usage to examine the digital divide within the state.

RESEARCH COVERED BY THE MEDIA

- May 20, 2020 Review of research study in OneZero. <https://onezero.medium.com/minority-students-are-getting-choked-out-by-air-pollution-in-utah-7e7fdf4a4057>
- May 19, 2020 Review of research study in Deseret News.
<https://www.deseret.com/utah/2020/5/19/21263965/study-minority-students-in-salt-lake-county-schools-breathe-dirtier-air>
- May 15, 2020 Review of research study in @THEU. <https://attheu.utah.edu/facultystaff/persistent-inequitable-exposure-to-air-pollution-in-salt-lake-county-schools/>
- December 17, 2020 Review of research on Cool Science KPCW Radio. [Radio Interview]
- December 8, 2020 Review of research study in Deseret News.
<https://www.deseret.com/utah/2020/12/8/22150560/air-pollution-peaks-linked-to-lower-academic-proficiency-in-salt-lake-county-students>
- December 3, 2020 Review of research study in Salt Lake Tribune.
<https://www.sltrib.com/news/environment/2020/12/03/u-researchers-find-peaks/>
- November 25, 2020 Review of research study in KUER NPR. Utah <https://www.kuer.org/podcast/news-briefs/2020-11-25/am-news-brief-bad-air-means-bad-grades-sanford-health-ceo-controversy-rural-counties-in-the-red>
- November 23, 2020 Review of research study in @THEU. <https://attheu.utah.edu/facultystaff/air-pollution-spikes-reduce-test-scores/>

PROFESSIONAL PRESENTATIONS

* denotes undergraduate student author

National Conferences

- 2023 *Christian, L.P., **Mullen, C.**, Grineski, S.E., *Herrera, M.M., and *Cuello, J. "Addressing Air Quality and Asthma at School, in the Clinic, and in the Policy Arena: Recommendations from

- Affected Families.” Southwestern Social Science Association Annual Meeting. Fort Worth, TX. April 2023.
- 2021 **Mullen, C.**, Flores, A.B., Grineski, S.E., and Collins, T.W. “Exploring the Distributional Environmental Justice Implications of a Non-Governmental Network of Air Quality Monitoring Sensors in Los Angeles County.” American Sociological Association Annual Meeting. August 2021. (Virtual Conference).
- 2020 **Mullen, C.**, Grineski, S.E., Collins, T.W., Xing, W., Whitaker, R., Sayahi, T., Becnel, T., Goffin, P., Gaillardon, P.-E., M. Meyer, and Kelly, K. “Patterns of distributive environmental inequity under different PM_{2.5} air pollution scenarios for Salt Lake County public schools.” American Sociological Association Annual Meeting. San Francisco, CA. August 2020. (Paper Accepted, but Conference Roundtable Canceled).
- 2019 *Castor, A., Flores, A.B., **Mullen, C.**, Grineski, S.E., and Collins, T.W. “Social Disparities in Exposure to Accidental Releases of Chemical Toxins in the Texas Gulf Coast Area After Hurricane Harvey.” Southwest Social Science Association. San Diego, CA. October 2019.
- 2019 **Mullen, C.**, and Widener, P. “Climate Change Challenges: Community-Based Understandings of Place and Justice.” American Sociological Association Annual Meeting. New York City, NY. August 2019.
- 2018 **Mullen, C.** “Framing Climate Change: Structural Education, Individual Action.” Southern Sociological Society Annual Meeting. New Orleans, LA. March 2018.

Internal (University of Utah) Presentations

- 2021 **Mullen, C.** “Can You Afford Clean Air?” Hinckley Policy Institute, University of Utah. November 22, 2021. Invited Panelist at Policy Forum, Virtual event
<https://www.youtube.com/watch?v=7kzlyiiaNoc>.
- 2021 *Paulino, B., *Carreon-Andrade, J., **Mullen, C.**, Kelly, K. Grineski, S.E., Collins, T.W., Mangin, T., *Juedeman, B. and *Rosenberg, D. “How Participatory Air Quality Sensing Shapes Participants’ Exposure Experiences: Perceptions and Challenges of Mitigating Exposure Pre-Sensor Distribution.” University of Utah Office of Undergraduate Research Virtual Summer Symposium. August 2021.
- 2021 *Carreon-Andrade, J., *Paulino, **Mullen, C.**, Kelly, K., Grineski, S.E., Collins, T.W., Mangin, T., *Juedeman, B. and *Rosenberg, D. “How Participatory Air Quality Sensing Shapes Participants’ Exposure Experiences: Connecting Indoor Sensor Data and Participant Observations.” University of Utah Office of Undergraduate Research Virtual Summer Symposium. August 2021.
- 2020 **Mullen, C.**, Grineski, S.E., Collins, T.W., Xing, W., Whitaker, R., Sayahi, T., Becnel, T., Goffin, P., Gaillardon, P.-E., M. Meyer and Kelly, K. “Distributive environmental injustice at Salt Lake County public schools for different PM_{2.5} air pollution scenarios.” Global Change & Sustainability Center, Environment & Sustainability Research Symposium. University of Utah, Salt Lake City, Utah. February 2020.
- 2019 *Castor, A., Flores, A.B., **Mullen, C.**, Grineski, S.E., and Collins, T.W. “Social Disparities in Exposure to Accidental Releases of Chemical Toxins in the Texas Gulf Coast Area After Hurricane Harvey.” Utah Disaster Resilience Symposium. University of Utah, Salt Lake City, UT. November 2019.
- 2019 **Mullen, C.**, Grineski, S.E., Collins, T.W., Xing, W., Whitaker, R., Sayahi, T., Becnel, T., Goffin, P., Gaillardon, P.-E., M. Meyer and Kelly, K. “Patterns of distributive environmental inequity under different PM_{2.5} air pollution scenarios for Salt Lake County public schools.” The Air We Breathe: A Multidisciplinary Perspective on Air Quality Conference. University of Utah, Salt Lake City, Utah. October 2019.

Invited Community Presentations

- 2023 **Mullen, C.** “Managing Air Pollution Risk through Participatory Sensing.” Invited Presentation for the Salt Lake County, Utah Department of Health. June 27, 2023
- 2022 Grineski, S.E., **Mullen, C.**, Shaker, Y., and Renteria, R. “Environmental (In)Justice.” Presentation and Workshop with youth-in-custody. Decker Lake Youth Center. Invited by STEMCAP (Science, Technology, Engineering, and Mathematics Community Alliance Program). November 16, 2022.
- 2020 Grineski, S.E., Collins, T.W., Flores, A.B., **Mullen, C.**, Rubio, R., and *Trego, S. “Understanding Environmental Justice.” Qualtrics Company event for Hispanic Heritage Month. September 23, 2020. [Virtual event].
- 2018 **Mullen, C.** “Qualitative Research Methods.” Invited Presentation. Florida Atlantic University High School. Boca Raton, FL. February 2018.

MENTORING EXPERIENCE

Mentor and Mentee Training

- 2021 **Research Mentor Training**, University of Utah HAPPIEST (Health, Air Pollution and Population Initiative in Education and Science Training) Program
Responsibilities: I participated in a 10 week “Entering Mentoring” Training Program for Mentors of Undergraduate Students. The training curriculum came from the Center for the Improvement of Mentor Experiences in Research, Wisconsin Center for Education Research. (<https://nexus.utah.edu/research/project-happiest.php>)
- 2021 **Research Mentee Training for Undergraduate Students**, University of Utah HAPPIEST Program
Responsibilities: I helped facilitate a 10 week “Entering Research” Training Program for Undergraduate Research Trainees. The educational curriculum that I taught came from the Center for the Improvement of Mentored Experiences in Research, Wisconsin Center for Education Research.
- 2020 **Research Mentor Training**, University of Utah Development Program
Responsibilities: I participated in a 10-week development program through the Office of Undergraduate Research where research mentoring skills were taught.
- 2020 **Research Mentoring Certificate**. I earned this certification by completing training offered at the University of Utah.

Undergraduate Research Mentees

- August 2021-Present Maria Manuela Herrera. Managing Air Pollution Risk through Participatory Sensing: Dissertation Research. (Funded by National Science Foundation Doctoral Dissertation Research Improvement Grant #10060119). University of Utah.
- August 2021-Present Lauren Piper Christian. Managing Air Pollution Risk through Participatory Sensing: Dissertation Research. (Funded by University of Utah Sustainable Campus Initiative Fund). University of Utah.
- January-May 2022 Jessica Cuello. Managing Air Pollution Risk through Participatory Sensing: Dissertation Research. (Funded by University of Utah Sustainable Campus Initiative Fund). University of Utah.
- August-December 2021 Angel Valenzuela. Managing Air Pollution Risk through Participatory Sensing: Dissertation Research. (Funded by University of Utah Sustainable Campus Initiative Fund). University of Utah.
- May-August 2021 Bianca Paulino. Managing Air Pollution Risk through Participatory Sensing: Dissertation Pilot Study. (Funded by Project HAPPIEST NIEHS R25ES031497). University of Utah.
- May-August 2021 Jose Carreon-Andrade. Managing Air Pollution Risk through Participatory Sensing: Dissertation Pilot Study. (Funded by Project HAPPIEST NIEHS R25ES031497). University of Utah.
- January 2019-May Angel Griego. Social vulnerability to Hurricane Harvey. (Funded by Research Experiences for

2021 Undergraduates Supplement to National Science Foundation Award#: CMMI-1760655).
University of Utah.
January-December 2019 Alyssa Castor. Social vulnerability to Hurricane Harvey. (Funded by Research Experiences for Undergraduates Supplement to National Science Foundation Award#: CMMI-1760655).
University of Utah.

COMMUNITY ENGAGED LEARNING EXPERIENCE

Position

2023 (Present) Research Affiliate of the Community Engagement subcommittee for iSUPER (Intelligent Solutions to Urban Pollution for Equity and Resilience) Impact Engine, Northeastern University. <https://impactengines.northeastern.edu/ie/isuper/>
Responsibilities: I help coordinate community engaged learning outreach experiences with partnered communities in the Greater Boston area.

2021-2022 Graduate Student Project Lead for Air Quality Research including Air Quality Monitoring and Education with the Environmental & Sustainability Studies SPARC (Student Pathways through Action research and Critical Engagement) Environmental Justice Lab, University of Utah. <https://envst.utah.edu/environmentaljusticelab/index.php>
Responsibilities: I mentor University of Utah undergraduate students each semester for the community engaged learning component of the Environmental and Sustainability Studies 'Environmental Justice course to work in collaboration with community partners.

Air Quality Projects

2021-2022 **Educational Outreach: Lego Sensors**
Community & University Partners: University of Utah Chemical Engineering Educational Outreach Team, Drs. Kerry Kelly and Anthony Butterfield of University of Utah Chemical Engineering, and Salt Lake City School District
Responsibilities: This project is supported by the Chemical Engineering Dept.'s K-12 Educational Outreach Program. For three semesters, I led a group of University of Utah students for educational outreach in Salt Lake City Public School sixth grade classrooms. We presented about local air quality and air quality sensing from an environmental justice perspective (e.g., unequal distribution of air quality sensors), and showed students how to build air quality sensors with Lego building blocks, then tested their sensor creations with fake air pollution (i.e., fog machine).

2022 **Air Quality Monitoring, Outreach, and Pollution Resilience at the Glendale Library**
Community & University Partners: Glendale Public Library of Salt Lake City Libraries, TELLUS Sensors, Representative Angela Romero of House District 26, Youth City Government Program of Salt Lake City, and Dr. Daniel Mendoza of University of Utah Atmospheric Sciences
Responsibilities: I mentored (alongside my mentee, L.P. Christian) a group of students on the importance of expanding the local air quality sensing network to enhance equitable access to neighborhood-level air quality information. With students and partners, we installed an indoor and outdoor low-cost air quality sensor at a library in a Salt Lake EJ community, which contributes air quality data to the Salt Lake County Health Department's AirView Real-Time Air Quality Map (<https://slco.org/health/air-quality/map/>). We also created a Clean Air Room at the library (see EPA's description of Clean Air Room). We hosted a Do-It-Yourself Air Purifier workshop (see Corsi-Rosenthal Box fan air filters) during a library community event hosted by the Salt Lake City Mayor's Office, called the Breathe Clean Air Festival, in November 2022.

Community Engaged Learning Educational Outreach with Undergraduate Students

November 2022 *Christian, L.P., *Etz, O., *Jackson, A., *Johnston, C., *Wood, E., and **Mullen, C.** "Do-It-Yourself Air Purifier Workshop: Breathe Clean Air Festival." Hosted Workshop at

October 2022 (2 times)	Glendale Public Library. Salt Lake City, UT. *Brenner, H., *Bunker, K., *Dowell, F., *Pazanin, K., *Skilbred, K. and Mullen, C. “Building an Air Quality Sensor.” Presentation/Educational Outreach. Hawthorne and Bennion Elementary Schools 6 th grade classes. Salt Lake City, UT.
March 2022	*Damon, L., *Fonger, K., *Galinat, S., *Paulson-Luna, D., *Robertson, D., *Taggart, R., and Mullen, C. “Building an Air Quality Sensor.” Presentation/Educational Outreach. Wasatch Elementary School 6 th grade class. Salt Lake City, UT.
March 2022	Mullen, C. , *Cuello, J., and *Henson, B. “Building an Air Quality Sensor.” Educational Outreach. Truman Elementary School Family Health Night hosted by Granite District Nursing Services.
November 2021	*Olson, E., *Blot, D., *Mackay, T., *Kraut, R. and Mullen, C. “How to Check the Air Quality in the Salt Lake Valley.” Presentation/Educational Outreach. Guadalupe Charter School Assembly for Adult English Language Learner Program. Salt Lake City, UT.
October 2021	*Olson, E., *Blot, D., *Mackay, T., *Kraut, R. and Mullen, C. “Building an Air Quality Sensor.” Presentation/Educational Outreach. Guadalupe Charter School 6 th grade class. Salt Lake City, UT.

TEACHING EXPERIENCE

Instructor, University of Utah, Environmental and Sustainability Studies

Challenges to Global Sustainability	Online, Cap: 75 students, 2020 (1 time), 2021 (1 time) <i>Responsibilities: I plan, prepare, and deliver instructional activities to facilitate active learning in a virtual setting. I assign and grade student coursework with the support of a teaching assistant. I meet with students during office hours to discuss the course materials in more depth.</i>
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Teaching Assistant, University of Utah, Department of Sociology

Social Statistics	Online, Cap: 100 students, 2021 (1 time), 2022 (1 time) Instructors: Dr. Megan Reynolds and Tamanna Shah <i>Responsibilities: I provided tech-support for students using canvas and SPSS software in two sections of the social statistics course. I also created video tutorials to help students navigate the technology used in the virtual course and held weekly office hours over Zoom.</i>
Sociology of Law	Online, Cap: 100 students, 2020 (1 time) Instructor: Dr. Larry Bench <i>Responsibilities: I graded weekly writing assignments and assisted in the creation of virtual class lectures.</i>
Environmental Sociology	Online, Cap: 100 students, 2019 (1 time) Instructor: Natalie Blanton <i>Responsibilities: I graded weekly writing assignments.</i>

Teaching Assistant, University of Utah, Environmental and Sustainability Studies

Challenges to Global Sustainability	Online, Cap: 75 students, 2020 (1 time) Instructor: Dr. Timothy W. Collins <i>Responsibilities: I graded weekly writing assignments and essays as well as assisted in the creation of virtual class lectures.</i>
Environmental Justice	In-Person, Cap: 75 students, 2018 (1 time), 2019 (1 time) Instructor: Dr. Adrienne Cachelin <i>Responsibilities: I graded weekly writing assignments, assisted in class lectures, held office hours, and helped coordinate community engaged learning.</i>
Teaching Sustainability	In-person, Cap: 20 students, 2019 (1 time) Instructor: Dr. Adrienne Cachelin <i>Responsibilities: I assisted in class lectures.</i>
Food Justice for Solutions Scholars	In-person, Cap: 20 students, 2018 (1 time) Instructor: Dr. Adrienne Cachelin <i>Responsibilities: I graded weekly writing assignments, attended class trips, held office hours, and assisted in class lectures.</i>

Teaching Assistant, Florida Atlantic University, Department of Sociology

The Self	Online, Cap: 75 students, 2018 (1 time) Instructor: Dr. Laura Backstrom
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- Sociology of Health, Medicine and Illness** *Responsibilities: I graded weekly writing assignments.*
 Online, Cap: 75 students, 2017 (1 time), 2018 (1 time) Instructor: Dr. Lynn Appleton
Responsibilities: I graded weekly writing assignments and essays as well as proctored and graded exams.
- Sociological Perspectives** In-person, Cap: 100 students, 2017 (1 time) Instructor: Dr. Gina Carreño-Lukasik
Responsibilities: I attended class lectures, graded essays, and held office hours.

Guest Lectures in Undergraduate Courses

- November 2021, “Air Pollution, Air Quality Sensing, and Environmental Injustice.” Invited Presentation. Environmental Justice course, University of Utah. Salt Lake City, UT.
 September 2022
 October 2020 “An Example of Environmental Injustice Research in Salt Lake County, Utah.” Invited Presentation. Introduction to Sociology course, University of Utah. Salt Lake City, UT. [Zoom].
- October 2020 “Why Sociologists Study the Environment.” Invited Presentation. Introduction to Sociology course, Salt Lake Community College. Salt Lake City, UT. [Zoom].
- October 2019 “Case Studies of Environmental Justice: A focus on disasters, children, and health.” Invited Presentation. Environmental Justice course, University of Utah. Salt Lake City, UT.
- April 2018 “Social Movements Theory.” Invited Presentation. Sociological Perspectives course, Florida Atlantic University. Boca Raton, FL.
- April 2018 “Environmental Racial and Ethnic Inequalities.” Invited Presentation. Sociological Perspectives course, Florida Atlantic University. Boca Raton, FL.

AWARDS

- 2022 Advancing Equity and Connecting Communities from the College of Social and Behavioral Science, University of Utah.
- 2020 Herbert W. Gustafson Endowed Graduate Fellowship from the College of Social and Behavioral Science, University of Utah.
- 2020 Earl and Elies Skidmore Endowed Graduate Fellowship from the College of Social and Behavioral Science, University of Utah.
- 2013 Best Presentation for Research on Inequality Issues in North Carolina presented by The Center for Diversity and Inequality Research, East Carolina University.

UNIVERSITY SERVICE

- 2021-2023 Graduate Student member of the Department of Sociology’s Equity, Diversity, and Inclusion Committee.
- 2021 Judge for Undergraduate Researchers’ Presentations for the University of Utah College of Social and Behavioral Sciences’ Virtual Student Research Day.
- 2021 Poster evaluator at the University of Utah 2021 Undergraduate Research Virtual Spring Symposium.
- 2019-2020 Poster evaluator at the University of Utah 2020 Undergraduate Research Summer Symposium.
- 2016–2018 Member, Graduate Sociology Student Association Department of Sociology, Florida Atlantic University.

COMMUNITY OUTREACH

- 2019-2022 The Guadalupe School Salt Lake City, UT
Tutor for adult English language learners.
- 2018 Citizens Climate Lobby Salt Lake City, UT
Member of a national organization committed to lobbying efforts and local community engagement regarding a federal carbon fee and dividend initiative since 2017.

PROFESSIONAL DEVELOPMENT

- 2019 **Disaster Resilience Training**, Community Resilience Workshop, AWR – 228: National Disaster Preparedness Training Center, Department of Homeland Security, and Federal Emergency Management Agency, Salt Lake City, UT. *Responsibilities: I participated in a disaster preparedness training wherein resilience measures for the local region were taught.*
- 2017 **Research Methods Training**, Center for Ethnographic Research Summer Workshop in Qualitative Research Methods at UC Berkeley *Responsibilities: I participated in a 6-week practicum in qualitative methods where ethnographic and interview methods were taught, as well as practical experience in qualitative fieldwork and data collection.*
- 2017 **Al Gore Climate Reality Leadership Corps**, training in Bellevue, WA *3-day extensive training on education and advocacy for the climate crisis and climate actions*

PROFESSIONAL MEMBERSHIPS

- 2019-Present American Sociological Association
 2019-Present American Association of University Women
 2018-2019 Southern Sociological Society
 2018-2019 Society for the Study of Social Problems

REFERENCES

- Sara E. Grineski UU Professor of Sociology and Environmental & Sustainability sara.grineski@soc.utah.edu
 Timothy W. Collins UU Professor of Geography and Environmental & Sustainability tim.collins@geog.utah.edu
 Brett Clark UU Professor of Sociology, Environmental & Sustainability, and Environmental & Humanities brett.clark@soc.utah.edu
 Patricia Widener FAU Associate Professor of Sociology pwidener@fau.edu