

JENNIFER S. CARRERA

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AREAS OF INTEREST

Emancipatory Environmental Sociology; Community Science; Community Driven Research; Community Based Participatory Research; Citizen Science; Undone Science; Environmental Health; Environmental Justice; Race and Racism; Racial Healing; Community Organizing; Political Ecology; Water and Sanitation Access; Water Quality; Scientific Knowledge; Feminist Science Studies

EDUCATION

Ph.D. in Sociology, August 2014

University of Illinois, Urbana, IL
Dissertation title: “Sanitation and Social Power in the United States” (Cites: 14)
Chair: Moon-Kie Jung

M.S. in Environmental Engineering, May 2014

University of Illinois, Urbana, IL
Thesis title: “Incorporating Users into Sanitation Technology Innovation: Challenges to Knowledge Coherence Between Disciplines”
Research Advisor: Jeremy Guest

B.A. in Biology, May 1999

Boston University, Boston, MA
Magna cum laude

M.S. in Biostatistics, August 2003

Emory University, Atlanta, GA

Northeastern University, Boston, MA

Postdoctoral Research Associate, July 2014 – July 2015
Social Science Environmental Health Research Institute
Mentor: Phil Brown

ACADEMIC POSITIONS

Michigan State University, East Lansing, MI

Assistant Professor of Sociology, August 2014 – present
Assistant Professor of Environmental Science and Policy, August 2014 – present

Affiliations

Center for Gender in Global Context (GenCen) Core Faculty Member
Gender, Justice, and Environmental Change (GJEC) specialization

PROFESSIONAL AFFILIATIONS

American Sociological Association (ASA)

Sections: Environmental Sociology (ES); Science, Knowledge & Technology (SKAT); Section on Racial and Ethnic Minorities (SREM)

Society for Social Studies of Science (4S)

Sociologists for Women in Society

American Public Health Association

COMMUNITY PARTNERSHIPS

Community Driven Flint; Community Based Organization Partners; Flint Public Health Youth Academy

A) Journal Articles

Carrera, Jennifer S., Cynthia Watkins, Sarah Bailey, Ronnie Wiggins, Laura Sullivan, Melissa Mays, Kent Key. "Co-Production of Knowledge around Environmental and Public Health Action." Forthcoming in *Science as Culture*.

Woolford, Susan J., **Jennifer S. Carrera**, Karen Calhoun, Joseph Hamm, Sarah Bailey, Luther Evans, E. Yvonne Lewis, Kent Key. 2024. "Youth Perspectives on the Flint Water Crisis and Its Health Effects." Forthcoming at *Journal of Ethnicity & Disease* 34(3):123-128.

Key, Kent, **Jennifer S. Carrera**, DJ McMaughan, Lisa Lapeyrouse, Roula Hawa, Artina Carter, Sarah Bailey, Courtney Blanchard, Jasmine Hall, Nayyirah Shariff, Maji Hailemariam, Jennifer Johnson. 2023. "Advancing Equity through centering Societal Values to operationalize Racism as a Public Health Crisis: The KKey Values Inequities Model (KVIM)." *Health Equity* 7(1): 477-486. (Cites: 3)

Carrera, Jennifer S. 2023. "Advancing Du Bois's legacy through emancipatory environmental sociology." *Environmental Sociology*, 9(4): 349-365. (Cites: 4)

Hamm, Joe, **Jennifer S. Carrera**, Kent Key, J. Van Fossen, Karen Calhoun, Susan Woolford, Sarah Bailey, Luther Evans, & Athena McKay. 2023. "Conceptualizing Trust and Distrust as Alternative Stable States: Lessons from the Flint Water Crisis." *Ecology and Society*, 28(3):14 <https://www.ecologyandsociety.org/vol28/iss3/art14>. (Cites: 5)

Carrera, Jennifer S., Sarah Bailey, Ronnie Wiggins, Cynthia Watkins, Laura Sullivan, Melissa Mays, Kent Key. 2023. "Community Science as Resistance to Neoliberal Scientific Praxis." *Environmental Justice*. 16(1): 54-61. (Cites: 5)

Carrera, Jennifer S. 2022. "Deconstructing Citizenship and the Growth of Detroit's Green Renaissance." *Journal of Political Ecology*, 29(1): 475-495. (Cites: 2)

Carrera, Jennifer S. and Kent Key. 2021. Troubling Heroes: Reframing the Environmental Justice Contributions of the Flint Water Crisis. *Wiley Interdisciplinary Reviews: Water*, 8(4): e1524. (Cites: 19)

Carrera, Jennifer S., Kent Key, Sarah Bailey, Joseph A. Hamm, Courtney A. Cuthbertson, Yvonne Lewis, Susan J. Woolford, E. Hill DeLoney, Ella Greene-Moton, Kaneesha Wallace, DeWaun E. Robinson, Ismael Byers, Patricia Piechowski-Whitney, Luther Evans, Athena McKay, Don Vereen, Arlene Sparks, Karen Calhoun. 2019. Community Science as a Pathway for Resiliency in Response to a Public Health Crisis in Flint, Michigan. *Social Sciences*, 8(3): 94. (Cites: 42)

Ramirez-Andreotta, Monica, Abby Tapper, Diamond Clough, **Jennifer S. Carrera**, and Shana Sandhaus. 2019. Understanding the Intrinsic and Extrinsic Benefits and Challenges Associated with Community Gardening to Improve Environmental Public Health Prevention and Intervention. *International Journal of Environmental Research and Public Health*, 16(3): 494. (Cites: 35)

Carrera, Jennifer S. and Catherine Coleman Flowers. Sanitation Inequity and the Cumulative Effects of Racism in Colorblind Public Health Policies. 2018. *American Journal of Economics and Sociology*, 77(3-4): 941-966. (Cites: 28)

- Carrera, Jennifer S.**, Phil Brown, Julia Brody, and Rachel Morello-Frosch. 2018. Research Altruism as Motivation for Participation in Environmental Health Research. *Social Science and Medicine* 196: 175-181. (Cites: 82)
- Johnson, J. E., Key, K., & **The Flint Water Community Narrative Group**. (2018). Credit where credit is due: Race and recognition in responses to the drinking water crisis in Flint. *Progress in Community Health Partnerships: Research, Education, and Action*, 12(2): 215-221. (Cites: 18)
- Gasteyer, Stephen P., Jennifer Lai, Brittany Tucker, **Jennifer S. Carrera**, and Julius Moss. 2016. Basics Inequality: Race and Access to Complete Plumbing Facilities in the USA. *Du Bois Review*, 13(2): 305-325. (Cites: 44)
- Gasteyer, Stephen and **Jennifer S. Carrera**. 2013. "The Coal-Corn Divide: Colliding Treadmills in Rural Community Energy Development." *Rural Sociology* 78(3): 290-317. (Cites: 20)
- Rose, Adria E., Erica Frank, and **Jennifer S. Carrera**. 2011. "Factors Affecting Weight Counseling Attitudes and Behaviors Among U.S. Medical Students." *Academic Medicine* 86(11): 1463-1472. (Cites: 16)
- Frank, Erica, Neda Ratanawongsa, and **Jennifer S. Carrera**. 2010. "American Medical Students' Beliefs in the Effectiveness of Alternative Medicine." *International Journal of Collaborative Research on Internal Medicine & Public Health* 2(9): 292-305. (Cites: 9)
- Compton, Michael, Erica Frank, and **Jennifer S. Carrera**. 2008. "Stress and Depressive Symptoms / Dysphoria among U.S. Medical Students: Results from a Large, Nationally-Representative Survey." *Journal of Nervous and Mental Disease* 196(12): 891-897. (Cites: 235)
- Frank, Erica, **Jennifer S. Carrera**, Jaya K. Rao, and Lynda A. Anderson. 2008. "Satisfaction with Career Choice among U.S. Medical Students." *Archives of Internal Medicine* 168(15): 1712-1716. (Cites: 11)
- Compton, Michael, Erica Frank, Lisa Elon, and **Jennifer S. Carrera**. 2008. "Changes in U.S. Medical Students' Specialty Interests over the Course of Medical School." *Journal of General Internal Medicine* 23(7): 1095-1100. (Cites: 244)
- Frank Erica, Elizabeth Tong, Felipe Lobelo, **Jennifer S. Carrera**, and John Duperly. 2008. "Physical Activity Levels and Counseling Practices of U.S. Medical Students." *Medicine and Science in Sports and Exercise* 40(3): 413-21. (Cites: 248)
- Werny, David M., Mona Saraiya, **Jennifer S. Carrera**, Steven S. Coughlin, and Erica Frank. 2008. "Learning amid Controversy: Prostate Cancer Knowledge and Screening Practices among U.S. Medical Students." *Journal of Cancer Education* 23(2): 108-113. (Cites: 4)
- Frank, Erica, **Jennifer S. Carrera**, and Shafik Dharamsi. 2007. "Political Self-characterization of US Medical Students." *Journal of General Internal Medicine* 22(4): 514-517. (Cites: 27)
- Frank, Erica, **Jennifer S. Carrera**, Lisa Elon, and Vicky S. Hertzberg. 2007. "Predictors of U.S. Medical Students Prevention Counseling Practice." *Preventive Medicine* 44(1): 76-81. (Cites: 165)

Frank, Erica, **Jennifer S. Carrera**, Lisa Elon, and Vicky S. Hertzberg. 2006. "Basic Demographics, Health Practices, and Health Status of U.S. Medical Students." *American Journal of Preventive Medicine* 31(6): 499-505. (Cites: 153)

Frank, Erica, **Jennifer S. Carrera**, Terry Stratton, Janet Bickel, and Lois M. Nora. 2006. "Experiences of Belittlement and Harassment and their Correlates among Medical Students in the United States: Longitudinal Survey." *British Medical Journal* 333(7570): 682-684. (Cites: 367)

Yount, Kathryn M. and **Jennifer S. Carrera**. 2006. "Domestic Violence against Married Women in Cambodia." *Social Forces* 85(1): 355-387. (Cites: 140)

Yount, Kathryn M. and **Jennifer S. Carrera**. 2006. "Female Genital Cutting and Reproductive Experience in Minya, Egypt." *Medical Anthropology Quarterly* 20(2): 182-211. (Cites: 42)

Frank, Erica, **Jennifer S. Carrera**, Jason Prystowsky, and Arthur Kellermann. 2006. "Firearm-related Personal and Clinical Characteristics of US Medical Students." *Southern Medical Journal* 99(3): 216-225. (Cites: 9)

B) Book Chapters

Carrera, Jennifer S. and Phil Brown. 2024. "Environmental Health and the Social Sciences." Ed. Christine Overdevest. *Edward Elgar Encyclopedia of Environmental Sociology*, p 241-247. <https://doi.org/10.4337/9781803921044.ch43>

Carrera, Jennifer S. and Phil Brown. "Chapter 7: Toxicity, Health, and Environment." Ed. Katharine Legun, Julie Keller, Michael Bell, and Michael Carolan. *Cambridge Handbook of Environmental Sociology, Volume 2*, p 117-136. November 2020. Cambridge University Press. (Cites: 2)

PEER-REVIEWED PRESENTATIONS

Hamm, Joe, **Jennifer S. Carrera**, Kent Key, J. Van Fossen, Karen Calhoun, Susan Woolford, Sarah Bailey, Luther Evans, & Athena McKay. "Conceptualizing Trust and Distrust as Alternative Stable States: Lessons from the Flint Water Crisis." First International Network on Trust, 12th Workshop: Trust Within and Between Organizations, June 14-17, 2023, Helsinki, Finland. Finalist for the First International Network of Trust award for Best Paper: Societal Impact.

Spatharioti, Sophia, Rebecca Govoni, **Jennifer S. Carrera**, Sara Wylie, Seth Cooper. "A Required Work Payment Scheme for Crowdsourced Disaster Response: Worker Performance and Motivations." Presented at the 14th International Conference on Information Systems and Crisis Response Management, May 21-24, 2017, Albi, Occitanie Pyrénées-Méditerranée, France. (Cites: 8)

EDITORIALS

Carrera, Jennifer and Les Levidow. "Introduction: Participatory Knowledge Co-production." *Science as Culture*, Special Forum, *Under review*.

Coffman, Mhara; Jeremy Guest, Marlene Wolfe, Colleen Naughton, Alexandria Boehm, Jeseth Delgado Vela, and **Jennifer Carrera**. 2021. "Preventing Scientific and Ethical Misuse of Wastewater Surveillance Data." *Environmental Science & Technology*, 55(17):11473-11475. (Cites: 29)

Liévanos, Raoul S., Elisabeth Wilder, Lauren Richter, **Jennifer Carrera** & Michael Mascarenhas 2021. "Challenging the white spaces of environmental sociology." *Environmental Sociology*, 7(2): 103-109. Special Issue Co-Editor. (Cites: 10)

Carrera, Jennifer S. 2020. "Flint Residents' Hygienic Practices Did Not Place Them at Greater Risk of Contracting *Shigella* Than Surrounding Michigan Residents." *American Journal of Public Health*, 110(6):757-758. Invited. (Cites: 4)

GUEST EDITOR

Science as Culture (forthcoming) Forum "Participatory Knowledge Co-Production." Guest Editors: **Jennifer Carrera** & Les Levidow. https://think.taylorandfrancis.com/special_issues/science-culture-sac-forum/

Environmental Sociology (Vol. 7, Issue 2, 2021) Special Issue "Race and the Environment." Guest Editors: Raoul S. Liévanos, Elisabeth Wilder, Lauren Richter, **Jennifer Carrera**, & Michael Mascarenhas.

BOOK REVIEWS

Carrera, Jennifer S. Gone Goose: The Remaking of an American Town in the Age of Climate Change. By Braden T. Leap. Philadelphia: Temple University Press, 2019. Pp. ix+256. \$99.50 (cloth); \$34.95 (paper). *American Journal of Sociology*, 125 (3): 879–881.

RESEARCH IN PROGRESS

Key, Kent, Sarah Bailey, Melissa Mays, Nayyirah Shariff, Jennifer S. Carrera. "From CBPR to the Flint Public Health Youth Academy: Community Empowering Community-Leadership in Public Health Sciences." Under review at *Environmental Justice*.

Pearson, Amber, Wendy Jepson, Alex Brewis, Jeremiah Osborne-Gowey, Amber Wutich, Melissa Beresford, Asher Rosinger, Justin Stoler, HWISE-HIC Consortium. "A protocol for the development of a validated scale of household water insecurity in high-income countries: HWISE-HIC." Under review at *BMC Public Health*.

Key, Kent, **Jennifer S. Carrera**, Courtney Blanchard, Alla Sikorskii, Minal Patel, Todd Lucas, Tabia H. Akintobi, Sarah Bailey, E. Hill De Loney, and Jennifer Johnson. "Exploring the use of Family Health Histories in the African American community: Preventative actions to reduce health disparities in Flint, MI." Under review at *Qualitative Health Research*.

Key, Kent, Jennifer S. Carrera, Karen Calhoun, Leshawn Hoffman. "CEnR Conceptual Model for Writing and Publishing: Benefits for Community 5-L Model to CEnR Writing." In preparation for submission to *Progress in Community Health Partnerships*.

Carrera, Jennifer S., Sarah Bailey, Ronnie Wiggins, Cynthia Watkins, Laura Sullivan, Melissa Mays, Alba Lamar, Kent Key. "Mobilizing Community Expertise for Protecting Health through Critical Environmental Health Literacy." To be submitted to *Environmental Health Perspectives*.

FUNDING RECEIVED

\$5,000	MSU CSS Dean's DEI Small Grants Program. "Humanizing Across Differences Facilitator Training." PI Sarah Prior. Role: Co-PI. Submitted December 12, 2023.
\$25,000	MSU IWR. USGS 104B Annual Base Grants Program. "Neglected aspects of water insecurity and health in Michigan post-industrial cities." Role: PI. Submitted March 29, 2024.
\$40,000	NIH. NIEHS Conference Grant. National PFAS Conference. Total expected costs: \$150,000. June 2024. PI Courtney Carignan. Role: Co-I. Submitted April 12, 2023.
\$3,000,000	NSF NRT. NRT-HDR: WaterCube: Big Data Water Science for Sustainability and Equity. PI Xiaobo Tan. Role: Co-PI. Submitted August 6, 2022. 2023-2028.
\$3,000	College of Arts and Letters, the College of Social Science, and the Office of Research and Innovation at Michigan State University. Climate Justice and Environmental Ethics Seed Proposals. "Just Approaches to Community Collaborations in Climate Adaptation." PI Warsaw, Phillip. Role: Co-I. Submitted March 17, 2023. 2023-2024.
\$2,500	Creating Inclusive Excellence Grants, MSU Office of Institutional Diversity and Inclusion. "New Community Leaders: A 12-Session Program for Advancing Understanding and Humanizing Across Differences." Role: PI. Submitted June 30, 2022. 2022-2023.
\$500	Michigan State University Academic Advancement Network. Faculty Learning Communities. Co-Facilitator for "Humanizing Across Differences" Role: Lead. Submitted May 1, 2022. 2022-2023.
\$4,480	MSU College of Social Science, Small Grants in Social/Racial Justice. "Identifying the Critical Trustees for Increasing COVID-19 Vaccine Acceptance in Disenfranchised Communities." PI Hamm, Joseph. Role: Co-PI. Submitted October 15, 2020. 2020-2021.
\$20,357	State of Michigan. PI Hamm, Joseph. Role: Co-PI. "CyanoHABs Outreach in Michigan." Submitted May 1, 2020. 2020-2021.
\$19,227	National Science Foundation. "Bridging the Gap. A Mini-Conference on Race and the Environment." PI Mascarenhas, Michael. Role: Co-PI. Submitted March 15, 2018. 2018-2019.
\$470,300	National Institute of Environmental Health Sciences of the National Institutes of Health K01 ES029115. "Engaging Community in the Development of Low-Cost Technologies for Environmental Monitoring to Promote Environmental Health Literacy in a Low-Trust Setting." Role: PI. Submitted June 6, 2017. 2018-2021.
\$2,000	MSU Provost Undergraduate Research Initiative. Support for undergraduate stipend for involvement in faculty research. Role: PI. Submitted September 12, 2016. 2016.
\$3,866	MSU Environmental Science and Policy Program VISTAS Award. "Collaboration for Citizen Science Monitoring of Environmental Quality in the U.S./Mexico Border Region." Role: PI. Submitted September 15, 2015. 2015.

- \$60,000 MSU Water Science Network WaterCube Funding. “A Citizen Science Study of Water Quality and Water Shutoffs in Detroit.” Role: PI. Submitted April 19, 2015. 2015-2017.
- \$22,799 Mellon Foundation, The Humanities Without Walls Consortium. “The Great Lakes and the Global Midwest.” Role: PI Gasteyer, Stephen. Role: Co-I. Submitted January 15, 2015. 2015-2018.
- \$21,000 Unitarian Universalist Service Committee. “Drivers and Impacts of Water Shutoffs: A Case Study of Detroit, MI.” PI Gasteyer, Stephen. Role: Co-I. Submitted June 1, 2014. 2014-2017.

FUNDING APPLIED

- \$100,000 NSF. CRISES Planning Grant DCL. “ASCEND Center: Advancing Science through Community Empowerment, Networks, and Dialogue.” Role: PI. Concept outline submitted May 1, 2024. *Concept outline approved.*
- \$45,000 NIH. Build Up Trust Challenge. “Connecting immigrants and refugees to evidence-based medical research through WhatsApp.” Lead: ACCESS. Role: Faculty Partner. Submitted December 4, 2023. *Under review.*
- \$10,000 MSU College of Social Sciences. Faculty Initiatives Fund. “Unity in Housing: A Community-led Approach to Cultivating Trust in Landlord-Tenant Relations in Flint, Michigan.” Role: PI. Submitted November 17, 2023. Not funded.
- \$392,829 U.S. Department of Energy. Bipartisan Infrastructure Law: Additional Clean Hydrogen Programs (Section 40314): Regional Clean Hydrogen Hubs DE-FOA-0002779. “Great Lakes Clean Hydrogen (GLCH) Hub.” University of Toledo Proposal Lead PI Mark Mason. Prime applicant: Linde, Inc. Total proposal budget \$1,000,000,000. (\$392,829) MSU Subaward PI Tim Warren. Role: Co-I. Submitted April 7, 2023. Not funded.
- \$1,500,000 FY24 Congressional Directed Spending Requests. “Community-Led Advancement of Environmental Justice Through a Public Health Youth Academy.” Role: PI. Submitted March 10, 2023. Limited submission not selected to advance for current fiscal period (with encouragement to resubmit next FY).
- \$50,000 Robert Wood Johnson Foundation. Global Learning for Health Equity Network (GL4HE). “Exploring co-creation of health equity solutions: From Ghana to Flint.” PI Connie Currier. Role: Investigator. Submitted February 8, 2023. Not funded.
- \$12,000,000 NIH. Community Partnerships to Advance Science for Society (ComPASS) Program: Community-Led, Health Equity Structural Intervention Initiative (OT2) OTA-22-007. “Challenging Structural Racism and Promoting Mental Wellbeing through Creating Pathways for Housing, Food/Water Security and Safe Homes.” MPI Luther Evans & MPI Sarah Bailey. Role: Co-I. Submitted February 6, 2023. Not funded.
- \$23,978,149 NIH. Community Partnerships to Advance Science for Society (ComPASS): Coordination Center (U24 Clinical Trial Optional) RFA-RM-23-001. “RHESPECT Coordination Center: Realizing Health Equity Through Structural Pathways to Elevate Community-Led Transformations.” Role: Lead PI. Submitted January 27, 2023. Not funded.

\$10,000 STEAMpower Faculty/Staff Fellows. Submitted July 29, 2022. Not funded.

\$3,298,668 NIH. NIEHS-ONES R01. Developing a Critical Environmental Health Literacy Model for True Community Driven Research. National Institutes of Health. Role: PI. Submitted February 23, 2022. Resubmission: Not funded.

\$395,000 Robert Wood Johnson Foundation. Interdisciplinary Research Leaders. “ACHIEVERS: Advancing a Culture of Healing, Inclusion, and Equity Via Empathy to dismantle Structural Racism.” Role: Joint PI. Submitted May 4, 2022. Not Funded.

\$42,600 Social Science Research Council. Improving Efforts to Protect Trust and Address Distrust: An Alternative Stable States Approach. PI: Hamm, Joseph. Role: Co-PI. Submitted August 30, 2021. Not funded.

\$175,000 Russell Sage Foundation. R-2107-33463. Inequities in the Impacts of Racialization of Space for Covid-19 Patients. Role: PI. Submitted July 28, 2021. Not funded.

\$3,066,610 NIH. RFA-RM-21-021. Transformative Environmental Health Leadership: Advancing Health Equity Through Community Led Approaches to Investigating Emerging Environmental Health Risks. Role: PI. Submitted May 27, 2021. Not funded.

\$21,000,000 W.K. Kellogg Foundation. Community Control of Knowledge Production for Transforming Environmental Justice Challenges. Role: PI. Submitted March 11, 2021. Not funded.

\$2,559,920 NIH. NIEHS-ONES R01. Developing a Critical Environmental Health Literacy Model for True Community Driven Research. National Institutes of Health. Role: PI. Submitted February 25, 2021. Not funded.

\$280,794 NSF. EAGER: SAI: Strengthening Access to Water and Sanitation in the United States: A Political Ecological Approach to Achieving Water Justice in the USA. PI Gasteyer, Stephen. Role: Co-PI. Submitted February 5, 2021. Not funded.

\$1,980,000 EPA. Transdisciplinary Approaches to Improving Detection and Exposure Assessment and Controlling Lead in Drinking Water. PI: Susan Masten. Role: Co-I. Submitted August 15, 2017. Not funded.

\$309,969 NSF STS. Youth at Risk: Understanding Controversies Related to Children, Environment, and Scientific Research. Role: PI: Sara Fingal. Co-PI. Submitted February 6, 2017. Not funded.

\$3,000,000 NSF NRT. National Research Traineeship for Citizen Science Training Program for Graduate Students. Role: Joint PI with Jade Mitchell. Submitted October 15, 2016. Not selected for university-limited submission to NSF.

\$999,275 NSF INFEWS. “Innovations at the Nexus of Food, Energy and Water.” Target award period 2016-2019. PI: Darrell Donahue. Role: Co-PI. Submitted March 22, 2016. Not funded.

- \$416,930 NIH NIEHS R21. “Citizen-Engaged Assessment of Environmental Health Disparities among Latino(a) Communities in the U.S./Mexico Border Region” A multi-institutional submission with MSU and the University of Arizona. Role: Joint PI with Monica Ramirez-Andreotta. Target award period 2017-2019. Submitted February 16, 2015. Resubmitted March 16, 2016. Not funded.
- \$296,356 NIH. NIEHS R21. Community-engaged research: Characterizing exposure risks and restoring trust in the aftermath of Flint's drinking water crisis. Target award period 2016-2017. PI: Martin Kaufman. Role: Co-I. Submitted March 16, 2016. Not funded.
- \$2,781,192 NIH. NIEHS R01. Research to Action-Empowering Urban Communities with Aging Infrastructure to Characterize and Address Potential Contamination of Their Drinking Water. PI: Martin Kaufman. Role: Co-I. Target award period 2016-2021. Submitted June 9, 2015. Not funded.

INVITED SPEAKING ENGAGEMENTS

- “Principles and Practices of Community-Engaged Research” invited by MSU Outreach and Engagement Community Engaged Research Fellows Program. January 11, 2024.
- “‘This was Never About Making an App’: Co-Creation of an Android Mobile Application for Community Capacity Building and Transparency.” Webinar hosted by the National Institute of Environmental Health Sciences (NIEHS) Partnerships for Environmental Public Health (PEPH). August 23, 2023.
- “Community Engaged Scholars Addressing Systemic Inequities in Communities and Institutions” co-hosted by Campus Compact and the International Association for Research on Service-Learning and Community Engagement (IARSLCE). June 15, 2023.
- Community Driven Climate Justice. Invited panelist for “Climate Justice and Environmental Ethics Convening” hosted by the College of Social Sciences and the College of Arts and Letters at MSU. October 20, 2022.
- Environmental Racism and Environmental Change. Invited panelist for “Business and Ethics in the Anthropocene” hosted by MSU Museum & Science Gallery. October 13, 2022.
- Responsive Science in Promoting Community Efficacy to Protect Environmental Health. Invited talk for the Research Subcommittee of the Department of Family Medicine, Michigan State University. May 9, 2022.
- Adopting a Transdisciplinary Approach to Community Driven Research for Environmental Equity in Flint, MI. Invited talk for the Transdisciplinary Graduate Fellowship Program (TGFP) hosted by the MSU Center for Interdisciplinarity (C4I). May 9, 2022.
- Towards Impactful Sociological Practice through Community Engaged Research in Flint, MI. Invited speaker at Brown University. Talk sponsored by the Department of Sociology and Interdisciplinary Social Sciences. Talk sponsored by the Department of Sociology. April 26, 2022.

Reflexivity and Vulnerability in Action Research. Invited panelist at the Teaching Environmental Sociology in a Time of Radical Flux organized by the Environmental Sociology Section. April 25, 2022.

Grant Writing Workshop for Faculty Development Grants. Invited speaker for the Transdisciplinary Training at the Intersection of Environmental Health and Social Science (T32) program at Northeastern University. Hosted by the Social Science Environmental Health Research Institute. March 30, 2022

Reflexive Science in Advancing Environmental Health Equity. Invited speaker for the Forum on Racism and Justice at the University of Michigan Medical School. Hosted by the Department of Pediatrics. March 22, 2022.

Developing Equitable Community Relationships for Stakeholder Engagement. Sociology Graduate Professional Development Workshop. Invited Panelist. Organized by the Department of Sociology, Michigan State University. March 18, 2022.

Reflections on Academic Positionality in Advancing Environmental Justice. Invited speaker for the Annual Symposium of U-M School of Public Health Environmental Health Sciences Program at the University of Michigan School of Public Health, February 18, 2022.

Invited participant for the National Academies of Sciences, Engineering, and Medicine's Committee on Emerging Science for Environmental Health Decisions exercise on futurecasting for environmental health sciences. February 18, 2022.

Community-Based Urban Health Panel. Invited panelist. Virtual symposium at Wayne State University on "Urban One Health." December 3, 2021.

Towards Impactful Sociological Practice through Community Engaged Research in Flint, MI. Invited speaker at the University of South Florida. Talk sponsored by the Department of Sociology and Interdisciplinary Social Sciences. October 25, 2021.

Collaborating Around Healthy Equity and Environmental Justice. Invited speaker. Workshop on Advancing Just, Equitable, and Inclusive Public Engagement Around Health and Science. National Academies of Sciences, Engineering and Medicine, Standing Committee on Advancing Science Communication. June 10, 2021.

Promoting Equity through a Community Engaged Approach to Reporting Back Data. Invited speaker at the University of Illinois at Urbana-Champaign. Talk sponsored by the Department of Environmental Engineering. November 12, 2020.

Bridging the Social and Technical in Addressing Infrastructural Challenges under Entrenched Poverty. Invited speaker at the University of South Alabama. Visit sponsored by the Department of Sociology, Anthropology and Social Work; USA Environmental Toxicology Program; USA Sociology Club/AKD International Sociology Honor Society; Center for Generational Studies; Mobile Baykeeper. November 5, 2018.

The Social Context of Water Access and Affordability in Michigan. Invited panelist for the Spring GenCen Colloquia Series: New Research on Women and Gender, Global and Local Perspectives, East Lansing, Michigan. March 3, 2017.

Water, Infrastructure, and Health: Flint and Beyond. Invited panelist representing MSU ESPP at the National Conference and Global Forum on Science, Policy, and the Environment hosted by the National Council for Science and the Environment. Washington, DC, January 24, 2017.

Invited panelist for the Sujal M. Parikh Memorial Symposium for Health and Social Justice at the University of Michigan Medical School, November 18, 2016.

Invited lecturer at the Public Management Institute: Mandela Fellowship for Young African Leaders at the University of Illinois at Urbana-Champaign. July 6, 2016.

Environmental Justice in the Flint Water Crisis. Invited panelist at the Fate of the Earth Symposium hosted by the Environmental Science and Policy Program at Michigan State University. April 6, 2016.

Public Health and Water Safety. Invited panelist in the University of Michigan at Flint, Flint Water Crisis Course. January 28, 2016.

The Flint Water Crisis: A Panel Discussion. Invited panelist. Hosted by the Center for Gender in Global Context (GenCen) at Michigan State University. November 18, 2015.

FILM CREDITS

Nor Any Drop to Drink: Flint's Water Crisis. 2018. Director Cedric Taylor. *Cast, Guest Expert*. Available at <https://vimeo.com/514516875>.

MEDIA INTERVIEWS

2023 Science News. "Flint grapples with the mental health fallout from the water disaster." November 16, 2023. Available at <https://www.sciencenews.org/article/flint-water-crisis-mental-health-community>.

2022 NIEHS Grantee Highlight. Jennifer Carrera, Ph.D. – Joining Forces with Communities to Bridge Gaps in Public Health. January 24, 2022. Available at <https://www.niehs.nih.gov/research/supported/translational/peph/grantee-highlights/2022/index.cfm>.

2016 The Engaged Scholar Magazine. Access to Water Quality in Detroit. Volume 11. Available at <https://engagedscholar.msu.edu/magazine/volume11/quality-water.aspx>.

2016 The Chronicle of Higher Education. "In a Crisis-Stricken City, a Public University Searches for Its Role." February 4, 2016. Available at <https://www.chronicle.com/article/in-a-crisis-stricken-city-a-public-university-searches-for-its-role/>.

SELECTED AWARDS

- 2023 Ernest A. Lynton Award for the Scholarship of Engagement, national award given by Campus Compact to a full-time, early-career faculty member who connects their teaching, research and service to community engagement.
- 2023 Distinguished Partnership Award for Community-Engaged Research given by Michigan State University's Office for University Outreach and Engagement, \$1,500 shared stipend with partners
- 2021 The Environmental Sociology Practice and Outreach Award given by the Environmental Sociology Section of the American Sociological Association

- 2021 Inaugural College of Social Science Faculty Outreach and Engagement Award
- 2019 Science of Team Science Conference 2019 Award for Presentation Excellence for presentation entitled, “Adopting a Community Science Model of Team Science for Addressing Environmental Inequities”
- 2019 Department of Sociology Undergraduate Teaching Award
- 2018 Recipient of \$1,200 Google Developer Scholarship to the Android Basics Nanodegree program.
- 2018 Grow with Google US Scholarship for the Grow with Google Challenge Scholarship three-month course.
- 2016 Participant in the 2016 Faculty Development Seminar through the Palestinian American Research Center, a competitive 12-day seminar during which faculty members participate in Jerusalem-based activities that include roundtable discussions, tours of historic cities, and visits to local universities, research institutes, and cultural institutions in the West Bank. Participation covers expenses for in-country, group ground travel, accommodations, and group meals. May 19-May 30, 2016

REPORTS

Key, K., Calhoun, K., Lewis, E. Y., Bailey, S., Woolford, **S.**, **Carrera, J.**, DeLoney, E. H., Cuthbertson, C., Piechowski-Whitney, P., Wallace, K., Robinson, D., McKay, A., Evans, L., Hamm, J. A., Greene-Moton, E., Lawrence, K., & Vereen, D. “Community Voice on the Flint Water Crisis: A Trust Study, Needs Assessment, and Plan of Action.” Preliminary report presented at Flint Town Hall Meeting September 23, 2019.

Wilder, Elisabeth, Lauren Richter, Michael Mascarenhas, Raoul S. Liévanos, and **Jennifer Carrera**. 2019. "Confronting White Space and White Ignorance: A Summary of the Committee on Racial Equity’s Mission and Work (2016-2019)." (Cites: 2)

Mascarenhas, Michael, **Jennifer S. Carrera**, Lauren Richter, and Elisabeth Wilder. 2017. “Diversity in Sociology and Environmental Sociology: What We Know About Our Discipline.” Report from the ETS Committee on Racial Diversity. ASA ETS Section Spring Newsletter. (Cites: 6)

INNOVATIONS

- 2023 Co-designed companion facilitation manual for workbook with Sarah Prior. 100 pages.
- 2022-2023 Skills and Practices for Social Change Workbook. A 12-week program for advancing understanding and humanizing across differences. 60 pages.
- 2020-2022 Developed and led ‘Humanizing Differences’ intervention for students and colleagues with reflective listening and racial healing exercises. Extends training from the StirFry Seminars Mindful Facilitation 1-Year certification program on facilitating conversations around race and racism. Completed sessions with two undergraduate courses (SOC 452 Spring 2020: n=38; Spring 2021: n=38), MSU Dialogues alumni group 12-months 2021 (n=8), MSU Department of Sociology faculty, staff, and students Fall 2021 (n=6), MSU faculty and staff Spring 2022 (n=5)

2021-2022 Designed and coded Android Mobile Application for Flint research team that collects participant entered data, saves data locally to the device, sends data to Google Sheets, pulls location to the application from the device, launches a mapping intent to place marker for saved location on map.

ACADEMIC SERVICE

2024-present MSU College of Social Sciences Dean's Advisory Committee on Diversity and Inclusion

2024-present Department of Sociology DEI Coordinator

2024-present MSU College of Social Sciences Dean's Diversity, Equity, and Inclusion Fellow

2022-present Environmental Science and Policy Program Faculty Advisory Council

2019-present Environmental Science and Policy Program Graduate Program Council

2023-2024 National PFAS Conference Organizing Committee. Conference Date June 2024.

2021-2024 ASA Environmental Sociology Section Secretary (elected, 3-year term)

2023 School of Planning, Design and Construction 1855 Professorship in Social and Environmental Justice Search Committee

2023 Department of Sociology & Department of Economics, Environmental Justice Assistant Professor Search Committee

2023 Reviewer for Hawai'i Sea Grant Program

2022-2023 New Community Leaders program pilot and participatory evaluation (15 sessions) with MSU DEI faculty and staff.

2021-2023 Department of Sociology, Environment and Health Assistant Professor Search Committee

2021-2022 MSU University-level Water Structure Advisory Committee

2022 World Food Prize Michigan Youth Institute Invited Expert, May 12, 2022.

2021 Humanizing Difference Intervention Facilitator with Dept. of Sociology members, biweekly meetings. Fall semester.

2021 Department of Sociology, Diversity Equity and Inclusion Committee, Spring semester.

2019-2021 Department of Sociology Graduate Education Committee

2020-2021 American Sociological Association, Environmental Sociology Section Committee on Racial Exclusion and Equity

2016-2020 American Sociological Association, Environmental Sociology Section Ad Hoc Committee on Racial Equity

- 2019-2020 American Sociological Association, Environmental Sociology Section Nominations Committee
- 2017-2019 MSU Department of Sociology Graduate Admissions Committee
- 2018 Co-Organizer of “Bridging the Gap: A Mini-Conference on Race and the Environment” at the American Sociological Association Annual Meeting, August 10, 2018
- 2018 GenCen Gallin Graduate Student Paper Award Committee
- 2018 Merton Book Award Committee for ASA-SKAT Section
- 2017 Committee Reviewer for GenCen GJEC graduate funding
- 2017 ASA-SKAT Section Hacker-Mullins Student Paper Prize Committee
- 2016-2017 MSU Department of Sociology Website Committee Member
- 2015-2017 MSU Department of Sociology Undergraduate Curriculum Committee Member
- 2015 Great Lakes Sea Grant Social Science Technical Review Panel
- 2015 ASA-ETS Allan Schnaiberg Outstanding Publication Award Committee Member
- 2014, 2015 Reviewer for SSRC Dissertation Proposal Development Fellowship Student Competition

COMMUNITY SERVICE

- 2022-2023 Truth, Racial Healing, & Transformation Healing Circle Facilitator with One Love Global, Lansing
- 2019-2020 Lansing Mayor’s Diversity and Inclusion Advisory Council

ACADEMIC CONFERENCE PRESENTATIONS

Carrera, Jennifer S., Prior S., Snarski O. “Cultivation of Spheres of Empathy as a Counter to Dehumanization.” Accepted for presentation at the annual meeting of the American Sociological Association August 9-13, 2024. Montreal, Quebec.

Carrera, Jennifer S., Watkins C., Bailey S., Wiggins R., Sullivan L., Mays M., Key K., “‘Participation in Science is an Act of Democracy’ – Analyzing Shifting Perspectives in Community Water Testing Among Flint Residents Over a Six-Month Pilot Study.” *Invited panelist.* Presented at the annual meeting of the Society for the Social Studies of Science (4S) November 8-11, 2023. Honolulu, Hawaii.

Carrera, Jennifer S., Watkins C., Bailey S., Wiggins R., Sullivan L., Mays M., Key K., “Mobilizing Community Expertise for Protecting Health through Critical Environmental Health Literacy.” Accepted to be presented at the annual meeting of the American Sociological Association August 17-21, 2023, Philadelphia, Pennsylvania.

Carrera, Jennifer S., Bailey S., Wiggins R., Watkins C., Sullivan L., Mays M., Key K., “Community Science as Resistance to Neoliberal Scientific Praxis.” Presented at the annual meeting of the American Sociological Association August 5-9, 2022, San Diego, California.

Carrera, Jennifer S., Bailey S., Wiggins R., Watkins C., Sullivan L., Mays M., Key K., “Advancing Inclusive Engineering Practice Towards the Development of a Model for True Community Driven Research.” Presented at the annual meeting of the Society for the Social Studies of Science October 6-9, 2021 Virtual.

Carrera, Jennifer S., “Toward a Du Boisian Environmental Sociology: An Analysis of Environmental Inequity in a Black Belt County.” Presented at the annual meeting of the American Sociological Association August 6-10, 2021 Virtual.

Carrera, Jennifer S., Bailey S., Wiggins R., Watkins C., Sullivan L., Mays M., Key K., “Inverting Power within Technology Design as a Model for Developing Community Driven Research.” Presented at the annual meeting of the American Public Health Association October 24-28, 2020 Virtual.

Calhoun, K. Piechowski P., Lewis E. Y., Bailey S., Woolford S., DeLoney E. H., Evans L., McKay A., **Carrera J. S.**, Hamm J., Poll J., Greene-Moton E., Robinson D., Vereen D. Jr., Sparks A., Key K., “Community Voice on the Flint Water Crisis: A Trust Study, Needs Assessment and Plan of Action.” Presented at the annual meeting of the American Public Health Association October 24-28, 2020 Virtual.

Carrera, Jennifer S., Bailey S., Wiggins R., Watkins C., Sullivan L., Mays M., Mills, B., Key K., “Advancing a Critical Literacy Framework for Environmental Health Literacy through Community Driven Technology Design.” Presented at the biannual meeting of Progress in Environmental Health Partnerships (NIEHS) February 12-13, 2020 Durham, North Carolina.

Carrera, Jennifer S., Bailey S., Wiggins R., Watkins C., Sullivan L., Mays M., Key K., Mills, B., “Developing a Grounded Environmental Health Literacy Approach through Community Driven Technology Design.” Presented at the annual meeting of the American Public Health Association November 2-6, 2019 Philadelphia, Pennsylvania.

Carrera, Jennifer S., Key, K., Lewis, E. Y., Woolford, S., Bailey, S., Hamm, J. A., Greene-Moton, E., De Loney, E. H., Wallace, K., Robinson, D., Byers, I., Cuthbertson, C., Evans, L., McKay, A., Vereen, D., Sparks, A., & Calhoun, K. “Community Science as a Pathway for Resilience in Response to a Public Health Crisis in Flint, Michigan.” Presented at the annual meeting of the American Public Health Association November 2-6, 2019 Philadelphia, Pennsylvania.

Key, K., Calhoun, K., Lewis, E. Y., Bailey, S., Woolford, S., **Carrera, J.**, DeLoney, E. H., Cuthbertson, C., Piechowski-Whitney, P., Wallace, K., Robinson, D., McKay, A., Evans, L., Hamm, J. A., Greene-Moton, E., Lawrence, K., & Vereen, D. “People, Power and Policy: As shared by Flint Residents in the aftermath of the Flint Water Crisis.” Presented at the annual meeting of the American Public Health Association November 2-6, 2019 Philadelphia, Pennsylvania

- Cuthbertson, C., Key, K., Lewis, E. Y., Bailey, S., Woolford, S., **Carrera, J.**, DeLoney, E. H., Piechowski-Whitney, P., Wallace, K., Robinson, D., McKay, A., Evans, L., Hamm, J. A., Greene-Moton, E., Lawrence, K., Vereen, D., Sparks, A., & Calhoun, K. “Public perceptions on the role of money, racism, and mental health in the Flint water crisis.” Presented at the annual meeting of the American Public Health Association November 2-6, 2019 Philadelphia, Pennsylvania
- Key, K., Woolford, S., Calhoun, K., Bailey, S., Lewis, E. Y., **Carrera, J.**, Hamm, J. A., Cuthbertson, C., De Loney, E. H., Greene-Moton, E., Piechowski-Whitney, P., Vereen, D., McKay, A., Wallace, K., Robinson, D., Evans, L., Sparks, A., & Lawrence, K. “Engaging Youth in a Research Process Exploring their Perceptions of Trust, Leadership and Recovery Related to the Flint Water Crisis.” Presented at the annual meeting of the American Public Health Association November 2-6, 2019 Philadelphia, Pennsylvania
- Calhoun, K., Lewis, E. Y., Hamm, J. A., Bailey, S., Woolford, S., Cuthbertson, C., Piechowski-Whitney, P., Wallace, K., Robinson, D., Evans, L., DeLoney, E. H., McKay, A., Greene-Moton, E., Vereen, D., Sparks, A., Lawrence, K., Key, K., & **Carrera, J.** “Community activism for social justice, equity and human rights in Flint, Michigan.” Presented at the annual meeting of the American Public Health Association November 2-6, 2019 Philadelphia, Pennsylvania
- Carrera, Jennifer S.**, Bailey S, Wiggins R., Watkins C., Sullivan L., Mays M., Saucedo A., Key K., 2019. “Doing Undone Science through Community-Driven Technology Development Towards Health Equity.” Presented at the Annual Meeting of the Society for the Social Studies of Science, September 4-7, 2019, New Orleans, Louisiana.
- Woolford S, Kent K, Robinson D, Lewis EY, Bailey S, Hill DeLoney E, **Carrera J.**, Evans L, Wallace K, Cuthbertson C, McKay A, Piechowski P, Hamm J, Greene-Moton E, Byers I, Vereen D, Sparks A, Calhoun K. “The Concerns of Adolescents Impacted by the Flint Water Crisis Regarding Its Impact on Health.” Presented at the National Medical Association Annual Convention and Scientific Assembly, July 27-31, 2019, Honolulu, Hawaii.
- Carrera, Jennifer S.**, Calhoun K, Key K, Bailey S, Hamm J, Cuthbertson C, Lewis Y, Woolford S, DeLoney E, Greene-Moton E, Wallace K, Robinson D, Byers I, Piechowski-Whitney P, Evans L, McKay A, Vereen D, Sparks A. 2019. “Adopting a Community Science Model of Team Science for Addressing Environmental Inequities.” Presented at the Science of Team Science Conference May 20-23, 2019, East Lansing, Michigan.
- Pauli, Ben, **Carrera J.S.**, Mascarenhas M, Reynolds L, Shariff N, Sullivan L, Whyte K. “Learning from Flint: Research Justice, Accountability, and Citizen Science.” Presented at the Biannual Meeting of the Citizen Science Association, March 13-17, 2019, Raleigh, NC.
- Calhoun, Karen D., Key K, Lewis Y, Woolford S, DeLoney E, **Carrera J.S.**, Hamm J, Greene-Moton E, Piechowski P, Wallace K, Bailey S. “The Flint Community’s Action Plan to Rebuild Trust and Encourage Resiliency During the Post Water Crisis Phase.” Presented at the Annual Meeting of the Association for Clinical and Translational Science, March 5-8, 2019, Washington DC.
- Hamm, Joe, **Carrera**, Calhoun K, Byers I, De Danzine V, De Loney E, Evans L, Lewis Y, McKay A, Piechowski P, Robinson D, Sparks A, Vereen D, Wallace K, Woolford S, & Key K. 2019. “Applying Trust Research to Understand Community Narratives from the Flint Water Crisis.” Presented at the First International Network on Trust Conference, January 9-11, 2019, St. Gallen, Switzerland.

Key, Kent, Lewis Y, Calhoun K, **Carrera J.S.**, Hamm J, Woolford S, Piechowski-Whitney P, DeLoney E, Greene-Moton E, Sparks A, Vereen D, Wallace K, Byers I, McKay A, Evans L, Marsh E, Robinson D. 2018. "Flint Community's Voice: A Theoretical Frame to Rebuild Trust and Support Other Communities in Crisis." Presented at the American Public Health Association Annual Meeting, November 10-14, 2018, San Diego, California.

Carrera, Jennifer S. 2018. "Deconstructing Citizenship and the Growth of Detroit's Green Renaissance." Presented at the Association for Humanist Sociology Annual Meeting, November 8-11, 2018, Detroit, Michigan.

Carrera, Jennifer S., Bur A, Kelly A. 2018. "Framing Environmental Racism in the Flint Water Crisis as Cumulative Conditions of Multiple, Synergistic Exceptions." Presented at the American Sociological Association Annual Meeting, August 11-14, 2018, Philadelphia, Pennsylvania.

Calhoun, Karen, Key K, Lewis Y, **Carrera J.S.**, Hamm J, Woolford S, De Loney E, Greene-Moten E, Sparks A, Vereen D, Piechowski-Whitney P, Wallace K, Byers I, De Danzine V, Holzer J, Robinson D, McKay A, Paberzs A, Spiroff M, Marsh M. "Community voices first: A multi-method approach to shaping institutional response to Flint's water crisis." Presented at Association for Clinical & Translational Science Annual Meeting, April 19-21, 2018, Washington, DC.

Carrera, Jennifer S. 2017. "Country within a Country: Sanitation and the Legacy of Environmental Inequity in a Black Belt County." *Invited panelist*. Presented at the 6th Annual Conference of the Sociology of Development Section of the American Sociological Association at Wayne State University, October 5-7, 2017, Detroit, Michigan.

Tucker, Brittany, Gasteyer S, **Carrera J.S.** 2017. "Framing Water Justice Movements: Service and Activists Responses to Water Shut Offs in Detroit and Flint." Presented at the 6th Annual Conference of the Sociology of Development Section of the American Sociological Association at Wayne State University, October 5-7, 2017, Detroit, Michigan.

Carrera, Jennifer S., Mitchell J, and Radonic L. 2017. "Understanding a Role for Community Based Participatory Research and Citizen Science for Community Organizing around Water Quality and Water Shutoffs in Detroit, Michigan." Presented at the Annual Meeting of the American Sociological Association, August 12-15, Montreal, Canada.

Carrera, Jennifer S. 2017. "Michigan's Exceptional Water Crisis: Framing the Human Right to Water through Political Access." Presented at the Annual Meeting of the Law and Society Association, June 20-23, Mexico City, Mexico.

Carrera, Jennifer S. 2017. "Considering the Climate-Food-Energy-Water Nexus from Below." Presented for the Fate of the Earth Symposium hosted by the Environmental Science and Policy Program at Michigan State University, April 13, 2017, East Lansing, Michigan.

Tucker, Brittany, Gasteyer S, **Carrera J.S.** 2017. "Framing Water Justice Movements: Service and Activists Responses to Water Shut Offs in Detroit and Flint, Michigan." Presented at the Annual Meeting of the North Central Sociological Association, March 31-April 1, Indianapolis, Indiana.

Gasteyer, Stephen, **Carrera J.S.**, Houser M, Lai J. 2017. "Toward a Political Ecology of Algae: From Metabolic Rift to Techno-Anatomic Response." Presented at the Annual Meeting of the Society for Applied Anthropology, March 28-31, Santa Fe, New Mexico.

- Carrera, Jennifer S.** 2016. "Water and Public Health Crisis in Flint: A Failure of Government Oversight and Management." *Invited Panelist*. Presented at the American Public Health Association Annual Meeting in President Elect Session: In Health in No Policies: Flint's Water Crisis — Politics, Discrimination and a Failing Infrastructure, October 29-November 2, 2016, Denver, Colorado.
- Carrera, Jennifer S.** 2016. "Marginalizing of Local Knowledge Production: Citizen Science Under Emergency Management in Flint, Michigan." Presented at the Annual Meeting of the American Sociological Association SKAT Paper Session on Science at the Margins, August 20-23, 2016, Seattle, Washington.
- Carrera, Jennifer S.** 2015. "Metabolic Wasting and Exceptional forms of Governance in the Decline of Detroit." Presented at the annual meeting of the American Sociological Association, August 22-25, 2015, Chicago, Illinois.
- Carrera, Jennifer S.** 2015. "Health Impacts of Impaired Water Access among the Poor in the United States." Presented at the annual meeting of the Society for the Study of Social Problems, August 21-23, 2015, Chicago, Illinois.
- Cuthbertson, Courtney and **Jennifer S. Carrera**. 2015. "Access to Water and Child Health Outcomes in Peru and Bolivia." Presented at the annual meeting of the Society for the Study of Social Problems, August 21-23, 2015, Chicago, Illinois.
- Guest, Jeremy S. and **Jennifer S. Carrera** 2014. "Infrastructure Investment and Knowledge Transfer as Barriers to Innovation and Entrepreneurship in Sanitation." Presented at the 5th Subsistence Marketplaces Conference, June 14-15, Champaign, Illinois.
- Carrera, Jennifer S** and Jeremy S. Guest. 2013. "Sanitation, Technology, and Public Health: Biomedicalization of Human Bodily Nature through Sanitary Engineering." Presented at the annual meeting of the Society for the Social Studies of Science, October 9-12, San Diego, California.
- Carrera, Jennifer S** and Jeremy S. Guest. 2013. "A Sociological Analysis of the Application of Sanitation Technologies in Developing Countries." Presented at the biannual meeting of the Association of Environmental Engineering and Science Professors, July 15-16, Golden, Colorado.
- Carrera, Jennifer S** and Jeremy S. Guest. 2013. "Re-envisioning Sustainable Design: The Role of Local Experiences in Sanitation Technology Development." Presented at the University of Illinois Engineering and Environmental Science Program Annual Symposium, April 5, Champaign, Illinois.
- Carrera, Jennifer S** and Jeremy S. Guest. 2013. "Engineered Poverty: An Analysis of Engineering Approaches to Sanitation Conditions in the United States and Tanzania." Presented at the Dimensions of Political Ecology Conference on Nature/Society, February 28-March 2, Lexington, Kentucky.
- Carrera, Jennifer S.** 2011. "Using Access to Sanitation in the United States to Critically Advance Environmental Justice Theory." Presented at the annual meeting of the American Sociological Association, August 20-23, Las Vegas, Nevada.
- Carrera, Jennifer S.** 2011. "Third World Sanitation in the First World: A Look at Detroit, MI and Lowndes County, AL." Presented at the annual meeting of the Society for the Study of Social Problems, August 19-21, Las Vegas, Nevada.

- Carrera, Jennifer S.** 2011. "Criminalization of the Unclean: An Examination of Legal and Moral Consequences for Living without Access to Sanitation in the United States." Presented at the annual meeting of the Law and Society Association, June 2-5, San Francisco, California.
- Carrera, Jennifer S.** 2011. "The Dirty Side of Ethnographic Research on Sanitation in the US." Presented at the International Congress of Qualitative Inquiry, May 18-21, Urbana, Illinois.
- Carrera, Jennifer S.** 2011. "Agamben, Poverty and Sanitation in the United States." Presented at the annual Social Theory Forum, April 13-14, Boston, Massachusetts.
- Carrera, Jennifer S.** 2010. "A 'Soylent' Greening of Detroit." Presented at the Consuming Sustainability Workshop, funded by the Focal Point Interdisciplinary Research Initiative, August 28, Urbana, Illinois.
- Carrera, Jennifer S.** 2009. "Environmental Justice Considerations for Wastewater Treatment Availability in the US." Presented at the annual meeting of the American Sociological Association, August 8-11, San Francisco, California.
- Carrera, Jennifer S.** 2009. "An Examination of the Role of Knowledge in the Politics of Wastewater Treatment Availability in the U.S." Presented at the annual meeting of the Society for the Study Social Problems, August 7-9, San Francisco, California.
- Carrera, Jennifer S** and Stephen Gasteyer. 2009. "Wasted Water: Social Justice, Sanitation, and Water Quality." Presented at the annual meeting of the Rural Sociological Society, July 30-August 2, Madison, Wisconsin.
- Cuthbertson, Courtney and **Jennifer S. Carrera.** 2009. "Beliefs We Stand for and the Communities We Create: Inclusion within Two Midwestern Churches." Presented at the annual meeting of the Association of Black Sociologists, June 17-20, New Orleans, Louisiana.
- Cuthbertson, Courtney and **Jennifer S. Carrera.** 2009. "A Welcoming Community? An Analysis of LGBT Culture in a Community Church." Presented at the International Congress of Qualitative Inquiry, May 20-23, Urbana, Illinois.
- Carrera, Jennifer S.** 2009. "Neoliberalism at Home: The Effects of Economic Disinvestment on American Wastewater Infrastructure." Presented at the annual Transnational Sociology Workshop, April 18, Champaign, Illinois.
- Carrera, Jennifer S.** 2009. "Democratizing Knowledges about Global Environmental Change: A Feminist Challenge." Presented at the annual meeting of the Association of American Geographers, March 22-27, Las Vegas, Nevada.
- Carrera, Jennifer S.** and Stephen Gasteyer. 2008. "Wastewater, Public Health and Environmental Justice: Some Reflections on the Implications of and Strategies for Protecting State Legitimacy." Presented at the annual meeting of the American Sociological Association, August 1-4, Boston, Massachusetts.
- Cuthbertson, Courtney and **Jennifer S. Carrera.** 2008. "Simulating Openness: Baudrillard and LGBT Spaces." Presented at the annual meeting of the American Sociological Association, August 1-4, Boston, Massachusetts.

- Cuthbertson, Courtney and **Jennifer S. Carrera**. 2008. "Exploring LGBT Community Through Intersectionality: Preliminary Findings from One Non-metropolitan Area." Presented at the annual meeting of the Society for the Study of Social Problems, July 31-August 2, Boston, Massachusetts.
- Carrera, Jennifer S.** and Stephen Gasteyer. 2008. "The Role of Embeddedness of Rural Water Operators in the Implementation of Sourcewater Protection Efforts." Presented at the annual meeting of the Rural Sociological Society, July 28-31, Manchester, New Hampshire.
- Gasteyer, Stephen and **Jennifer S. Carrera**. 2008. "Unsewered Communities: Connecting Social, Economic, and Environmental Justice in Illinois." Presented at the annual meeting of 'Waste - The Social Context,' May 11-15, Edmonton, Alberta, Canada.
- Carrera, Jennifer S.** 2008. "All-Ways Coca-Cola: Women's Mobilization and the Politics of Thirst in Rural India." Presented at the Environmental Horizons Conference, April 23-24, Urbana, Illinois.
- Carrera, Jennifer S.** and Stephen Gasteyer. 2008. "Rural Community Response to Energy Development and its Impacts on Local Water Resources." Presented at the annual meeting of the Midwest Sociological Society, March 27-30, Saint Louis, Missouri.
- Carrera, Jennifer S.** and Stephen Gasteyer. 2007. "Powering the Nation at Whose Expense: Rural Community Resistance to Energy Facilities." Presented at the International Symposium on Society and Resource Management, June 17-21, Park City, Utah.
- Carrera, Jennifer S.** 2007. "Expanding the Environmental Justice Framework for Natural Resource Conflicts through Alternative Ways of Knowing Nature." Presented at the International Symposium on Society and Resource Management, June 17-21, Park City, Utah.
- Yount, Kathryn and **Jennifer S. Carrera**. 2003. "Female Genital Cutting and Women's Reproductive Experiences in Minya, Egypt." Presented at the annual meeting of the American Sociological Association, August 16-19, Atlanta, Georgia.

COMMUNITY PRESENTATIONS

- Carrera, Jennifer S.**, Bailey S, Lamar A., Wiggins R., Watkins C., Sullivan L., Mays M., Saucedo A., Key K., 2019. "Engaging Community in the Development of Low-Cost Technologies for Environmental Monitoring to Promote Environmental Health Literacy in a Low-Trust Setting." Presented at the Healthy Flint Research Coordinating Center Symposium, March 15, 2019, Flint, MI.
- Calhoun K, Key K, Lewis E Y, Woolford S, **Carrera J.S.**, Hamm J, Greene-Moten E, De Loney E. Hill, Piechowski-Whitney P, De Danzine V, Evans L, Vereen D, Wallace K, Byers I, Sparks A, Robinson D, McKay A, Spiroff M, Marsh E. "Flint Community's voice: A theoretical frame to rebuild trust and support other communities in crisis." Presented at the Healthy Flint Research Coordinating Center Symposium, March 15, 2019, Flint, MI.
- Key K, Woolford S, Calhoun K, Lewis E Y, **Carrera J.S.**, Hamm J, Greene-Moten E, De Loney E. Hill, Piechowski-Whitney P, De Danzine V, Evans L, Vereen D, Wallace K, Byers I, Sparks A, Robinson D, McKay A, Spiroff M, Marsh E. "Exploring the status of "trust" with Flint residents: Moving from crisis to recovery." Presented at the Healthy Flint Research Coordinating Center Symposium, March 15, 2019, Flint, MI.

Byers I, Calhoun K, Key K, Lewis E Y, **Carrera J.S.**, Hamm J, Woolford S, De Loney E. Hill, Greene-Moten E, Vereen D, Piechowski-Whitney P, Wallace K, De Danzine V, Robinson D, McKay A, Evans L, Sparks A, Paberzs, A, Spiroff M, Marsh E. "Utilizing Community Voice to Guide the Design and Implementation of Institutional Responsiveness to the Flint Water Crisis." Poster presented at Hope College Celebration of Research and Creative Performance, April 13, 2018.

Calhoun K, Key K, Lewis E Y, Woolford S, **Carrera J.S.**, Hamm J, Greene-Moten E, De Loney E. Hill, Piechowski-Whitney P, De Danzine V, Evans L, Vereen D, Wallace K, Byers I, Sparks A, Robinson D, McKay A, Spiroff M, Marsh E. "Exploring Current and Historical Perspectives On Trust and Mistrust in the Flint Community Utilizing Community Voice." Presented at the Healthy Flint Research Coordinating Center Symposium, March 9, 2018, Flint, MI.

TEACHING EXPERIENCE

Michigan State University

ESP 804: Environmental Applications and Analysis, Fall 2021, Fall 2023
ESP 802: Human Systems and the Environment, Spring 2017 & Spring 2018 (Co-Instructor)
ISS 310: People and the Environment – Environmental Racism, Spring 2024
SOC 950: Topics in Rural and Environmental Sociology - Environmental Racism, Spring 2024
SOC 865: Environmental Sociology, Fall 2017, Fall 2021
SOC 499: Social Issues and Change in Contemporary Society, Fall 2022, Spring 2023
SOC 497: Individual Research, Spring 2023
SOC 475: Health and Society, Spring 2016
SOC 452: Sociology of Environmental Health, Spring 2019-2021
SOC 452: Environment and Society, Fall 2017 & Spring 2018
SOC 368: Science, Technology & Society, Fall 2015
SOC 331: Political Sociology, Spring 2016
SOC 282: Methods of Social Research II, Spring 2025
SOC 281: Methods of Social Research I, Fall 2024
SOC 252: Introduction to Environmental Sociology, Spring 2023, Fall 2024

University of Illinois at Urbana-Champaign

CEE 449: Environmental Engineering Laboratory, Spring 2013 (Graduate Student Leadership Team)
SOC 400: Internships/Court Watch, Spring 2010 (Teaching Assistant)
SOC 380: Social Research Methods, Summer 2011
SOC 380: Social Research Methods, Summer 2009 (Teaching Assistant)
SOC 261: Gender in Transnational Perspective, Fall 2008 & Spring 2009
SOC 100: Introduction to Sociology, Fall 2005 & Spring 2006 (Teaching Assistant)

Emory University

BIOS 501: Statistical Methods II, Spring 2003 (SAS Laboratory Instructor)
BIOS 500: Statistical Methods I, Fall 2002 (SAS Laboratory Instructor)

MENTORING

Current Graduate Student Supervision

Academic Chair

Tiffany Williams, Department of Sociology (Chair, Current PhD Student)

Committee Member

Angelica Dejesus, Department of Sociology (Current PhD Student)
Faith Bradley, Department of Sociology (Current PhD Student)
Vilitcia Barghouti, Department of Sociology (Current PhD Student)
Jessie Pink, Department of Geography, Environment, and Spatial Sciences (Current PhD Student)
Harlow Lochramirez, Department of Accounting (Current PhD Student)

Former Students

Alaina Bur, Department of Sociology (Chair, PhD Awarded 2024)
Marie Carmen Shingne, Department of Sociology (Chair, PhD Awarded 2023)
Brittany Tucker, Department of Sociology (Water Justice Group Member; Completed PhD)
Bryant Mills, Department of Sociology (Research Supervisor and Chair; FMLA withdrawal)
Jeny Lai, Department of Sociology (Water Justice Group Member; Completed PhD)
Kayleigh Ward, Department of Sociology (Water Justice Group Member; Completed PhD)
Kelly O'Brien, Department of Sociology (Chair; Awarded MS and left MSU)

PROFESSIONAL DEVELOPMENT

2024 MSU Fundamentals of Equity in Graduate Admissions Workshop
2024 MSU Strategies for Equity-based Holistic Review Workshop
2023 MSU STEM Ambassador Program
2022 MSU Dialogues for Session Alumni
2022 One Love Global Truth, Racial Healing, and Transformation Facilitator Training
2022 Relationship Violence and Sexual Misconduct (RVSM) Prevention - Supportive Communities
2021 MSU Academic Advancement Network: Exploring Academic Leadership, 2 sessions
2021 MSU Take Action: Bystander Intervention, 2 sessions
2021 One Love Global Truth, Racial Healing & Transformation, Racial Healing Circles, 4 sessions
2021 MSU Implicit Bias Training, 5 sessions
2021 MSU Anti-Racist Path Series: A Series Focus on Anti-Racist Concepts, Dialogue, and Action, Participant, 12 sessions
2020 MSU Intercultural Dialogues Series Participant, 9 sessions
2020 Bertelsmann Tech Scholarship Challenge Course - Cloud Track
2019-2020 StirFry Seminars Mindful Facilitation 1-Year Certification Program on Facilitating conversations around race and racism
2019 Relationship Violence and Sexual Misconduct (RVSM) Prevention Training
2018 Udacity Android Basics Nanodegree by Google, Six Month Online Coding Program, Certificate of Completion November 15, 2018
2018 Quantitative Microbial Risk Assessment Interdisciplinary Instructional Institute, July 9-19, 2018, Participant
2018 Strategies and Tools Across Fields: Teaching with Writing, May 14-18, 2018, Participant
2018 NSF Broader Impacts Workshop, May 9-10, 2018, Participant
2017 Teaching and Learning Spring Conference, May 10-11, 2017, Participant
2017 CSS RPT Faculty Forums: Expectations and documentation for Reappointment and Promotion to Associate with Tenure, May 10, 2017, Participant
2017 Quick Start to Teaching for Student Success, May 9, 2017, Participant
2017 Survive and Thrive in the MSU Tenure System Workshop, February 23, 2017, Participant
2016 Faculty Success Program, National Center for Faculty Development and Diversity
Spring 2016 Regular Session Participant
Spring 2017-present Alumni Session Participant

COMMUNITY OUTREACH

Townhall Meeting Reporting on Community Voice on the Flint Water Crisis, September 23, 2019, Flint, Michigan. <https://michr.umich.edu/news/2019/9/30/trust-study-town-hall-flint-water-crisis>

Hosted a Community Water Quality Workshop with Free Water Testing, March 25th 2017, Detroit, Michigan.

Co-hosted Water Quality Information Table with WaterCube Community Partner at the United Auto Worker's International Women's Day: Women Creating Caring Communities, March 11, 2017, Detroit, Michigan.

Member of the Michigan Institute for Clinical and Health Research (MICHHR) Flint Special Projects Steering Committee – Overseeing research on the role of religious institutions in the Flint Water Crisis, 2016-2020 Flint, Michigan.

Member of the Mentoring Committee for Kent Key - Director of the Office of Community Scholars and Partnerships at Michigan State University, College of Human Medicine in the Division of Public Health, 2016, 2017, Flint, Michigan.

OCCASIONAL REVIEWER

American Journal of Sociology
American Sociological Review
American Journal of Public Health
American Water Resources Association
Behavioral Medicine
Clinical and Translational Science
Environmental Engineering Science
Environmental Health Perspectives
Environmental Justice
Environmental Monitoring and Assessment
Environmental Science & Technology
Environmental Sociology
International Journal of Environmental Research
and Public Health
International Journal of Hygiene and
Environmental Health

Health and Social Behavior (JHSB)
Lancet
Local Environment
PLOS ONE
Progress in Community Health Partnerships
Racial and Ethnic Health Disparities (JREHD)
Rural Studies
Social Problems
Social Science Research
Sociological Focus
Sociological Methodology
Sociology of Development
Utilities Policy
Water Research
WIREs Water

TECHNICAL SKILLS

NVivo Qualitative Data Analysis Software
SAS Statistical Analysis Software
SPSS Statistical Analysis Software

Android Studio System Software: Java & XML
GitHub Version Control System