

CONTACT INFORMATION	Postdoctoral Fellow National Socio-Environmental Synthesis Center University of Maryland 1 Park Place, Suite 300 Annapolis, MD 21401 USA	☎ 410-919-9149 ✉ mcollins@sesync.org 🌐 marybcollins.weebly.com
RESEARCH INTERESTS	Environmental Inequality: Environmental Justice, Environmental Sociology, Computational Social Science, Quantitative Methods, Spatial Statistics, Large-Scale Data Visualization, Theory About Environment-Society Systems, Disproportionalities	
ACADEMIC APPOINTMENTS	Postdoctoral Fellow June 2013 to present National Socio-Environmental Synthesis Center, University of Maryland <i>Affiliation:</i> Program for Society and the Environment, Department of Sociology, University of Maryland, College Park Postdoctoral Scholar September 2012 to June 2013 Center for the Environmental Implications of Nanotechnology, University of California, Santa Barbara	
EDUCATION	Ph.D Environmental Science and Management September 2012 Bren School of Environmental Science and Management University of California, Santa Barbara Dissertation: <i>Toxic “Outliers” and “Mainstreamers”: A Facility-Based Analysis of the Predictors of Pollution-Related Health Risk Intensity</i> M.A. Applied Sociology June 2008 University of Central Florida Thesis: <i>Collaborative Dispute Resolution in Superfund Site Cleanup: Are Environmental Justice Communities Left Behind?</i> B.S. Sociology—Concentration in Analysis and Research December 2000 University of Wisconsin—Madison	
PUBLICATIONS (PEER REVIEWED)	Collins, Mary B. “Double Disproportionality: a Framework for Integrating Environmental Privileges and Problems.” <i>Social Science Quarterly</i> (accepted) Collins, Mary B. 2011. “Risk-Based Targeting: Identifying Disproportionalities In The Sources And Effects Of Industrial Pollution.” <i>American Journal of Public Health</i> . 101(S1): S231-237.	
BOOK CHAPTERS	Collins, Mary B. and William R. Freudenburg. 2013. “Temporal Myopia: A Case of Promising New Technologies, the Federal Government, and Inherent Conflicts of Interest.” in <i>Research in Social Problems and Public Policy</i> . Ed Susan Maret. Emerald Publishing Group William R. Freudenburg and Mary B. Collins . 2012. “Public Responses to Nanotechnology: Risks to the Social Fabric?” in <i>The Social Life of Nanotechnology</i> . Eds. Barbara Herr-Harthorn and John Mohr (241-264). Routledge Studies in Science, Technology and Society: New York, NY	
PUBLICATIONS (R&R)	Collins, Mary B. “Considering Empirical Disproportionalities in Pollution Production the <i>Norm</i> Rather than the Exception.” <i>Journal of Environmental Studies and Sciences</i> . (R&R)	

WORK IN
PROGRESS

Collins, Mary B., Ian A. Muñoz, and Joseph JaJa. “Linking ‘Toxic Outliers’ to Environmental Justice Communities Across the United States.” *Environmental Research Letters*.

Anya Galli and **Collins, Mary B.** “Power Disproportionalities: Linking Emissions Extremes to Social Forces” *Environmental Sociology*.

Satterfield, Theresa, **Mary B. Collins**, Shannon K. Hanna, and Barbara Herr Harthorn. “Resilience and Tangibility as Factors Underpinning the Perceived Environmental Impact of New Technologies.” *Ecology and Society*.

Collins, Mary B. “Collaborative Dispute Resolution in Superfund Site Cleanup: Are Environmental Justice Communities Left Behind?” *Environmental Law*.

Lauren Copeland, **Collins, Mary B.**, Shannon K. Hanna, Barbara Herr Harthorn, and Terre Satterfield. “US Public Views on Nanotechnology Product Safety: So Far So Good?” *Journal of Consumer Research*

Hodges, Heather and **Mary B. Collins**. “Weak Cues and Strong Rhetoric: How Unstructured Opinions about Keystone Pipeline Reflect Elite Messages.” *Society and Natural Resources*

GRANTS
AWARDED

Paul Mohai, Ash, Michael Ash and **Collins, Mary B.**. “Examining the Causes and Consequences of Environmental Inequality Over Time: A Data-Driven Computational Approach.” *The National Socio-Environmental Synthesis Center: Computational Working Group* (Awarded)

Collins, Mary B and Heather Hodges “A Pipeline from Canada: Fulfilling the American Dream or Just Plain Risky.” Graduate Research Award for Social Science Surveys—Institute for Social, Behavioral and Economic Research at the University of California, Santa Barbara (\$5,000 Awarded in 2012)

GRANTS IN
PROGRESS

Simone Pulver and **Collins, Mary B.** “Egregious Polluters:A socially-structured explanation of disproportionality in the production of pollution” *The National Science Foundation, Division of Social and Economic Sciences, Science of Organizations—Submitted February 2015*

AWARDS

2012 European Society for Risk Analysis Poster Contest Winner (Zurich, CH, June)

2012 Southern California Society for Risk Analysis Contest Winner (UCLA, May)

2009 US EPA National Networks for Environmental Management Studies (NNEMS) Fellow (\$15,000). EPA Region 5 (Chicago, IL)

2009 NSF Graduate Research Fellow (honorable mention), UC, Santa Barbara

2008 Delta Epsilon Iota Sociological Honor Society Member, Univ of Central Florida

TEACHING
EXPERINCE

2015 *Bayesian Statistics for Ecologists and Social Scientists* (University of MD) National Socio-Environmental Synthesis Center (10-day Course Co-Taught with H. Thompson Hobbs) (January 2015)

2014 *Business, Ethics, and Chemicals* (Trinity Washington University) Invited Lecturer discussing “Using Data to Link Chemicals and Communities” (Oct 2014)

2014 *Environmental Justice: History and Research* (National Socio-Environmental Synthesis Center, University of Maryland) Interdisciplinary Summer Intern Program Lecturer (July 2014)

2012 *Environmental Science and Management 241: Environmental Politics and Policy* Graduate Teaching Assistant for Prof. Sarah Anderson (University of CA, Santa Barbara) Bren School of Environmental Science and Management (Winter Quarter 2012)

2010 *Sociology 134: Environmental Justice, Community, and Place* Invited Lecturer (University of CA, Santa Barbara) Department of Sociology (Spring Quarter 2010)

2008 *Environmental Studies 1: Introduction to Environmental Studies* Graduate Teaching Assistant for Prof. William Freudenburg (University of CA, Santa Barbara) Environmental Studies Program (Fall Quarter 2008)

CONFERENCE
PRESENTATIONS

American Sociological Association (ASA)

2014 *'Toxic Outliers' and Sociology Theory: How Empirical Disproportionalities in Environmental Privilege Impact Modern Theory.* ES&T Regular Paper Session (August, San Francisco, CA)

2013 *Industrial Disproportionalities, Environmental Inequality, and the Powers of Legitimation.* ES&T Regular Paper Session (August, New York, NY)

2010 *Temporal Myopia: A Case of Promising New Technologies, the Federal Government, and Inherent Conflicts of Interest.* ES&T Regular Paper Session (August, Atlanta, GA) with Dr. William R. Freudenburg.

2009 *Professional Polluters: Non-point Source Pollution in Florida's Wekiva River Viewed through a Disproportionality Lens* ES&T Round Table Session (August, San Francisco, CA)

Association for Environmental Studies and Sciences (AESS)

2014 *Integrating Environmental Privileges and Problems in the Assessment of Environmental Justice.* (June, New York, NY)

2013 *Environmental Risk Judgment Analysis: Nanotechnology and Consumer Products.* (June, Pittsburgh, PA) with Drs. Shannon K. Hanna, Barbara Herr Harthorn, and Terre Satterfield

2010 *Corporate Environmental Justice Performance: Place-Based Facility Targeting Using a Disproportionality Framework.* (June, Portland, OR).

Rural Sociological (RSS) Society Annual Meeting

2011 *Environmental Justice and Disproportionality: Exploring an Emergent Theoretical Perspective.* (July, Boise, ID)

2009 *The Enormity of the Minuscule: Nanotechnology Risk as Portrayed in US Media.* (July Madison, WI) with Dr. William R. Freudenburg.

Society for Social Studies of Science (4S)

2013 *Ecotypes, Risk Perception, and New Technologies.* Panel Organizer and Presenter (October, San Diego, CA) with Drs. Shannon K. Hanna, Barbara Herr Harthorn, and Terre Satterfield

2012 *People, Products, and Nanotechnology: A Risk Judgment Analysis.* Panel Organizer and Presenter (October, Copenhagen, Denmark) with Drs. Shannon K. Hanna, Barbara Herr Harthorn, and Terre Satterfield

Society for Applied Anthropology (SfAA)

2013 *Emergent Technology and Issues of Equity*. Panel Organizer and Presenter (March, Denver, CO) with Drs. Barbara Herr Harthorn and Terre Satterfield

Society for Risk Analysis (SRA)

2012 *Nanoremediation: Will Equity Concerns Arise?* (June, Zurich, Switzerland) with Drs. Barbara Herr Harthorn and Terre Satterfield.

2011 *Recreancy and Nanotechnology: A Call for Empirical Research*. (December, Salt Lake City, UT). Panel: Nothing New about Nano? Making Interdisciplinary Advances in Risk Perception Research

Sustainable Nanotechnology Organization (SNO)

2013 *Ethical Positions and Nanotechnology Acceptance: A Social Component of Environmental Sustainability*. (To be presented in November, Santa Barbara, CA) with Drs. Shannon K. Hanna, Barbara Herr Harthorn

Society for the Study of Nanoscience and Emerging Technologies (S.NET)

2013 *Public Perception of Nanotechnology Risks and Risk Managers*. Panel Organizer and Presenter (October, Boston, MA) with Drs. Shannon K. Hanna, Barbara Herr Harthorn

2012 *Public Responses to Nanotechnology: Risks to the Social Fabric*. (October, Twente, Netherlands)

INVITED
PRESENTATIONS

2014 Cafe Scientifique: "Science for the Price of Coffee" *Integrating Environmental Privileges & Problems to Devise Solutions* **Cafe 49 West, Annapolis, Maryland** (October)

2013 Community Colloquium (University of California, Santa Barbara) *Environmental Justice and the Central Coast* University of California, Santa Barbara, **Bren School of Environmental Science and Management** (November)

2013 Guest Seminar (University of Maryland) *Using Double Disproportionality as a Framework for Integrating Environmental Privileges and Problems* University of Maryland, **The Program for Society and the Environment** (October)

2011 Guest Seminar (US EPA Research Triangle Park, NC) *Nanoremediation Community Distribution Exploratory Study* **USEPA, Office of Research and Development Human Exposure and Atmospheric Sciences** (May)

2010 *Place-Based Targeting: Using a Novel Method to Identify Disproportionalities in Causes and Effects*. **Strengthening Environmental Justice Research and Decision Making: A Symposium on the Science of Disproportionate Environmental Health Impacts**: Sponsored by the US Environmental Protection Agency (March, Washington, DC).

2009 Fellowship Seminar (US EPA Chicago, IL) *Environmental Justice and Enforcement Targeting* National Network of Environmental Management Scholars **USEPA Region 5, Office of Enforcement and Compliance Assurance** (September)

2008 *Collaborative Dispute Resolution in Superfund Enforcement: Does the Resolution Approach Vary by Community-Level Sociodemographic Characteristics?* **Race, Place, & the Environment After Katrina: Reclaiming, Rebuilding, Revitalizing** (June, New Orleans, LA).

POPULAR
MENTIONS OR
PUBLICATIONS

Grund, Nancy. 2014. *Now You See It*. Feature news story generated by the College of Computer and Mathematical, & Natural Sciences at the University of Maryland. Access at: <http://cmns.umd.edu/news-events/features/2217>

Andreychek, Melissa. 2014. *Q & A with Dr. Mary Collins* National Socio-Environmental Synthesis Center at the University of Maryland. Access at: <http://www.sesync.org/blog/qna-mary-collins>

Collins, Mary B. and Mary Shelley. 2013. *Smart Infrastructure: Putting the Green in Stormwater Management*. National Socio-Environmental Synthesis Center at the University of Maryland. Access at: <http://www.sesync.org/blog/green-infrastructure-software>

TRAINING

2014 Training in Bayesian Modeling for Practicing Ecologists (2 week Intensive Short Course—Colorado State University, May)

2013 Spatial Data Visualization in R (3-Day Intensive Short Course—National Socio-Environmental Synthesis Center, University of Maryland, August)

2011 Science Writing: Getting Papers Published and Grants Funded (Afternoon Workshop—University of California, Los Angeles)

2011 Communicating Science to the Public Workshop Participant (Afternoon Workshop—University of California, Los Angeles)

2010 Nanotechnology Risk Perception Specialist Meeting Participant (NSF Center for Nanotechnology and Society, Santa Barbara, CA, January)

2009 Advancing the Science and Practice of Cumulative Risk Assessment (2-Day Workshop, USEPA Office of Enforcement and Compliance Assurance, Chicago, IL)