

**Paloma I. Beamer**

Curriculum Vitae

Community, Environment and Policy  
Mel and Enid Zuckerman College of Public Health  
University of Arizona  
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**CHRONOLOGY OF EDUCATION**

- 2000** B.S., Civil and Environmental Engineering, University of California, Berkeley
- 2002** M.S., Civil and Environmental Engineering, Stanford University
- 2007** Ph.D., Civil and Environmental Engineering, Stanford University  
Research Advisor: James O. Leckie  
Dissertation: "Development of a Model to Estimate Aggregate and Cumulative Exposure and Dose in Young Children"
- 2014** Graduate Certificate, Clinical & Translational Research, University of Arizona

**CHRONOLOGY OF EMPLOYMENT**

- 1997-1999** *Instructor, Tutor*, Mathematics, Engineering, and Science Achievement (MESA), University of California, Berkeley
- 1997** *Intern*, US-Mexico Border Team, US Environmental Protection Agency, Region 9, San Francisco, CA
- 1999** *Intern*, Lawrence Livermore National Laboratory, Livermore, CA
- 1999-2000** *Intern*, Eisenberg, Olivieri & Associates, Oakland, CA
- 2000-2007** **Stanford University**
- 2000-2007 *Research Assistant*, Exposure Research Group, Department of Civil and Environmental Engineering
- 2001-2003 *Instructor, Coordinator, Mentor*, NASA Research in Science and Engineering Program
- 2001-2004 *Teaching Assistant*, Department of Civil and Environmental Engineering
- 2005 *Lecturer*, Civil and Environmental Engineering, Stanford University
- 2004** *Intern*, ALZA Corporation, Menlo Park, CA
- 2007-present** **University of Arizona**
- 2007-2014 *Assistant Professor*, Community, Environment and Policy, College of Public Health

2007-present	<i>Associate Investigator</i> , Cancer Prevention and Control, Arizona Cancer Center
2009-present	<i>Full Member</i> , Southwest Center for Environmental Health Sciences
2009-2014	<i>Assistant Professor</i> , Chemical and Environmental Engineering (NTE)
2010-present	<i>Affiliated Faculty</i> , Mexican American & Raza Studies Department
2014-present	<i>Associate Professor</i> , Community, Environment and Policy, College of Public Health
2014-present	<i>Associate Professor</i> , BIO5 Institute (NTE)
2014-present	<i>Associate Professor</i> , Chemical and Environmental Engineering (NTE)
2015-present	<i>Associate Scientist</i> , Asthma and Airways Disease Research Center
2016-present	<i>Associate Professor</i> , American Indian Studies Graduate Interdisciplinary Program (NTE)

## HONORS AND AWARDS

### At previous ranks:

<b>1995-2000</b>	<i>Regent Scholar</i> , University of California, Berkeley
<b>1996</b>	<i>Outstanding Freshman</i> , Hispanic Engineers and Scientists (SHPE), University of California, Berkeley
<b>2000</b>	<i>Kennedy Interdisciplinary Award</i> , Latin American Studies, University of California, Berkeley
<b>2000</b>	<i>Lifetime Achievement Award</i> , Hispanic Engineers and Scientists (SHPE), University of California, Berkeley
<b>2000</b>	<i>Engineer-In-Training (EIT) Certification</i> , State of California, Department of Consumer Affairs, Board for Professional Engineers, Land Surveyors and Geologists
<b>2000-2002</b>	<i>Dean's Doctoral Diversity Fellowship</i> , Stanford University
<b>2000-2002</b>	<i>Alfred P. Sloan Scholar</i> , Stanford University
<b>2002-2004</b>	<i>Fellow</i> , National Institute of Health Graduate Training Program in Biotechnology, Stanford University
<b>2004</b>	Student Research Poster Competition, 1 <sup>st</sup> Place, International Society of Exposure Analysis (ISEA) Conference, Philadelphia, PA
<b>2005</b>	Student Research Poster Competition, 2 <sup>nd</sup> Place, Engineering Opportunity Job Fair, Stanford University
<b>2005</b>	<i>Graduate Student of the Year Award</i> , Stanford Society of Chicano/Latino Engineers and Scientists (SHPE)
<b>2006</b>	Selected for Graduate Institute at the National Technical Career Conference for Society of Hispanic Engineers (SHPE), Orlando, FL
<b>2006</b>	Selected as one of 55 attendees from a group of over 730 applicants to attend the NSF ADVANCE Workshop on Negotiating the Ideal Faculty Position at Rice University

- 2010**      *Travel Award*, Hispanic/Latino Immigrant Health and Faculty Development Workshop, Hispanic-Serving Health Professions Schools
- 2010**      *Young Investigator Research Award*, Yuma Friends of Arizona Health Sciences Center, University of Arizona.
- 2011**      *Mentored Quantitative Research Development Award (K25)*, National Heart, Lung and Blood Institute, National Institutes of Health
- 2011**      *2010 Scientific Technological Achievement Award*, Level I, United States Environmental Protection Agency
- 2012**      *Award for Excellence in Research*, Mel and Enid Zuckerman College of Public Health, University of Arizona
- 2012**      “40 under 40” *Award Recipient*, Arizona Daily Star (newspaper) and Tucson Hispanic Chamber of Commerce
- 2013**      Nominee for *Award for Excellence in Teaching*, Mel and Enid Zuckerman College of Public Health, University of Arizona

At current rank:

- 2014**      *Emerging Investigator*, Themed Issue, Environmental Science: Processes & Impacts, Volume 16, Issue 6.
- 2015**      *Public Voices Fellow*, The OpEd Project, Women’s Foundation of Southern Arizona
- 2017**      Poster competition, *Best Acknowledgement of Community Input*, Annual Grantees Meeting for the NIH/EPA Centers of Excellence on Environmental Health Disparities Research, Albuquerque, NM.
- 2018**      Nominee for *Award for Excellence in Research*, Mel and Enid Zuckerman College of Public Health, University of Arizona
- 2018**      *Faculty Mentor Award*, Successful Scholars Faculty Mentoring Program, University of Arizona
- 2019**      *Award for Excellence in Community Engaged Scholarship*, Mel and Enid Zuckerman College of Public Health, University of Arizona

**SERVICE/ OUTREACH** (limited to period in rank)

Local/State Outreach

*Local/State Service Contributions:*

- 2015**      Peer Review, Arizona Cooperative Extension publication
- 2015 – present** Member, Environmental Quality Advisory Council, Pima County Department of Environmental Quality
- 2017**      Hosted “Community Teach-In: Health concerns related to historic groundwater contamination on Tucson’s Southside,” August 27, 2017, Abrams Public Health Center, Tucson, AZ.

- 2018** Panelist, Gold King Mine Spill, KTNN Radio Forum, March 20, 2018, Window Rock, AZ.
- 2018** Co-Lead, “Capacity Building for Environmental Sampling Following a Spill.” Workshop for Diné College interns and Navajo Community Health Representatives. June 12<sup>th</sup>-14<sup>th</sup>, 2018.
- 2019** Panelist, Gold King Mine Spill, KTNN Radio Forum, March 19, 2019, Window Rock, AZ

*Community Presentations:*

- 2011** Speaker, Green Valley Respiratory Rally, American Lung Association, “Tools for Understanding Air Quality and COPD”
- 2011** Participant, A Community Health Talk, Presented by Garden Roots, Dewey-Humboldt, AZ
- 2011** Speaker, “Beyond the Curves” Community Seminar Series, “Is it Toxic?: Trials and Tribulations of Risk Assessment.”
- 2011** Speaker, Pima Association of Governments, Air Quality Subcommittee Meeting, “Children’s Health Problems and Proximity to Roadway Diesel Emissions.”
- 2013** Speaker, Pima Association of Governments, Southwest Air Quality Forum, “Lower Respiratory Illnesses and Diesel Exposure in Tucson.”
- 2014** Speaker and Lab Tour for students from the Western Institute for Leadership Development, charter high school, Tucson, Arizona.
- 2016** Speaker, Weekly Brown Bag Series, Arizona Department of Environmental Quality, Office of Border Environmental Protection, Tucson AZ
- 2017** Interviewee, Scruff, a short film produced by Southwest Institute for Research on Women (SIROW), First Place Tucson LunaFest
- 2017** Panelist, Opportunity and Innovation for Engagement, Arizona Living Economy Forum, Hosted by Local First Arizona Foundation, YWCA, Tucson, AZ
- 2017** People’s Teach-In, “Update on Gold King Mine Spill Environmental Sampling Efforts,” Shiprock Chapter House, NM
- 2017** People’s Teach-In, “Household Biomonitoring Results,” Shiprock Chapter House, NM
- 2017** Video Presentation, “Health concerns related to historic groundwater contamination on Tucson’s Southside,” [https://www.youtube.com/watch?v=UvQ8Cou\\_SsQ&feature=youtu.be](https://www.youtube.com/watch?v=UvQ8Cou_SsQ&feature=youtu.be)
- 2018** Speaker, “Community Teach-In Report,” Valencia Library, Tucson, AZ
- 2018** Speaker, “Environmental Soil and Sediment Results,” Shiprock Agricultural Days, Shiprock Chapter House, NM
- 2018** Speaker, “Air Pollution Epidemiology Research at UA,” Pima Environmental Quality Advisory Committee, April 24, 2018
- 2019** Speaker, “Gold King Mine Spill Diné Exposure Project,” Phoenix Indian Medical Center (IHS) Grand Rounds, Phoenix, AZ.
- 2019** Speaker, “Farming is Life,” Shiprock Agricultural Days, Shiprock Chapter House, NM

**2019** Co-presented with Marc Verhougstraete, PFAS Report Update, Pima County Board of Health

*Local Media Interviews:*

- 2010** Article in *Arizona Daily Star*, written by Elena Acoba, *Arizona Daily Star*, “Crop gardeners shift to spring planting,” January 31, 2010.
- 2011** Front page lead article in *Arizona Daily Star*, written by Tony Davis, “UA Study: Diesel exhaust here linked to childhood wheezing,” September 27, 2011
- 2011** KOLD News 13 interview with Barbara Grijalva, “UA scientist’s work aimed at reducing childhood asthma,” November, 2, 2011.
- 2011** Featured in *Inside Tucson Business*, “People in Action” for US EPA Award, November 11, 2011.
- 2011** KOLD News 13 interview with Chris Holmstrom, “Bottled water over tap for Latino community in Nogales,” November 22, 2011.
- 2012** KOLD News 13 interview with Barbara Grijalva, “UA testing breast milk for cancer-causing solvent,” July 30, 2012.
- 2012** Featured in *Arizona Daily Star*, “Honorees named for 40 Under 40”, December 10, 2012 and “2012 Class Includes Business, Non-Profit Leaders,” December 14, 2012.
- 2013** Featured in *Green Valley News* article by Kitty Bottemiller, “Poor Air Quality Kicks up Loads of Problems,” May 30, 2013.
- 2014** Article in *Arizona Daily Star*, written by Stephanie Innes, “Cavities again? Blame the Tucson water system ...,” November 2, 2014.
- 2015** Included in “UA Experts Can Offer Expertise on Issues Related to Mining Spills”, published by University Relations, August 13, 2015.
- 2015** Article in *The Voice* published by the Arizona Farm Bureau and written by Julie Murphee, “Arizona Agriculture asks, is EPA Really Competent to Keep Our Water Clean?,” August 19, 2015.
- 2015** Project featured in *Navajo Times* article by Sunnie Clahchischiligi and Cindy Yurth, “Shiprock approves university study on San Juan,” August 30, 2015.
- 2016** Featured in article written by Alondra Harris and other UA EHS-TRUE undergraduates that participated in sampling on the Navajo Nation, “Water, Hogans and Rocks,” <https://ubrp.arizona.edu/water-hogans-and-rocks/>.
- 2016** Featured in *Arizona Daily Wildcat* article written by Lena Naser, “Navajo find the Gold King mine spill to be both environmentally and spiritually damaging,” April 1, 2016.
- 2016** Interview with Donovan Quintero for “Researchers measuring effects of mine spill,” in *Navajo Times*, August 18, 2016.
- 2016** Featured in article written by Karen Francis Begay, Assistant Vice President for Tribal Relations, “Research Team Partners with Navajo Nation to Address Impacts of the Gold King Mine Spill,” in *Tribal Relations E-News*. University of Arizona, Office of Government and Community Relations.
- 2017** KVOA News 4 interview with Faye DeHoff for “UA hosts community forum on groundwater contamination,” August 23, 2017.
- 2017** Interview with Hugo Laveen for “Foro comunitario en la UA sobre contaminación de mantos acuíferos,” in *Prensa Hispana*, August 23, 2017.

- 2017** Interview with Randal Eck for “UA hosts community teach-in on South Tucson water contamination,” in *Daily Wildcat*, September 1, 2017.
- 2017** KGUN News 9 interview with Joey Greaber for “UA forum to focus on groundwater contamination,” September 1, 2017.
- 2017** Interview with Andrea Jaramillo Valenica, “Study: Latinos more likely to distrust tap water, seek other sources.” Cronkite News, November 6, 2017. (Also published in: Arizona Republic and USA Breaking News, November, 18, 2017; Water Online, December 11, 2017)
- 2017** Interview with James Preminger, “Upper Fruitland farmers left in the cold.” Gallup Independent, December 7, 2017.
- 2018** Interview with Kathy Cline, “Tucson hazardous chemical study.” KTAR News Radio, Phoenix AZ. February 28, 2018.
- 2018** Interview with Zachary Ogden, “Q&A with Paloma Beamer: President of International Society of Exposure Science.” *Daily Wildcat*. March 14, 2018.
- 2018** Interview for article in *Arizona Daily Star*, written by Tony Davis, “Chemicals in drinking water worry residents in Marana,” July 14, 2018.
- 2018** Interview with Tim Swindle, “Episode 135: Research Extends Occupational Safety Concerns to Small Businesses in Tucson,” Arizona Science, Arizona Public Media, June 14, 2018.
- 2018** KVOA News 4 interview for “Two unregulated compounds found in Marana water systems,” September 4, 2018.

National/ International Outreach

*National Service Contributions:*

- 2011-2012** Organizing Committee, National Latino Cancer Summit, Turning the Spotlight on the Environment: From Science to Social Justice, in San Francisco, CA
- 2014-2017** Member, Board of Scientific Counselors Chemical Safety for Sustainability Subcommittee, US Environmental Protection Agency
- 2015** Expert, EDF’s Chemical Detection Initiative: An expert convening to evaluate research proposals. Environmental Defense Fund. Meeting held in Washington, D.C.
- 2018-2019** Member, Board of Scientific Counselors, National Center for Environmental Health / Agency for Toxic Substances and Disease Registry, Centers for Disease Control (Board Terminated by Executive Order 13875).
- 2019** Member, Planning Committee for NIH/NIEHS Disaster Research Response Workshop, Tucson, AZ
- 2019** Member, ASPPH Diversity and Inclusion Section

*International Service Contributions:*

- 2008-2010** Academic Councilor, Board of International Society of Exposure Science
- 2008-2018** Student/New Researcher Committee, International Society of Exposure Science
- 2009, 2017-2019** Abstract Reviewer, Conference, International Society of Exposure Science
- 2009-2018** Lead, Mentor Program, International Society of Exposure Science

- 2011-present** External Advisor, Children's Non-Dietary Exposures and Mouthing Frequency of Soil and Dust, Taipei Medical University, Research Project
- 2011** Technical Organizing Committee for Annual Conference in Baltimore, MD, International Society of Exposure Science
- 2011** Member, US EPA Delegation that accompanied the Assistant Administrator for the Office of International and Tribal Affairs to Taiwan, as part of the Technical Cooperation in the Field of Environmental Protection under the Agreement between the TECRO and the AIT. June 13-17.
- 2015-present** Member, Investigation Team, Binational Border Health Network, CONACyT Thematic Network
- 2016** Organized Binational Academic Network Grant-Writing Workshop
- 2016** Helped create and featured in video for the International Society of Exposure Science Mentor Program (<https://www.youtube.com/watch?v=EGjo1uFErgI>)
- 2017-present** *Associate Editor*, Journal of Exposure Science and Environmental Epidemiology
- 2017** Member, US EPA Delegation that accompanied the Assistant Administrator for the Office of International and Tribal Affairs to Taiwan, November 7-9.
- 2018** *President-Elect*, International Society of Exposure Science
- 2019-2020** *President*, International Society of Exposure Science

*Grant Reviewer*

- 2014** Southern California NIOSH Education and Research Center, Pilot Projects
- 2014** Vidi Programme, The Netherlands Organisation for Health Research and Development
- 2015** US Environmental Protection Agency, EPA STAR (Air Pollution Monitoring for Communities)
- 2016** National Institutes of Health, Infectious, Reproductive, Asthma and Pulmonary (IRAP) Conditions Study Section, *Ad-hoc Reviewer*
- 2019** Swiss National Science Foundation (SNSF), Project funding biology and medicine (division III)

*Peer Reviewer for the following journals:*

- 2005-present** *Journal of Exposure Science and Environmental Epidemiology*
- 2007, 2015** *Environmental Research*
- 2008** *Risk Analysis*
- 2009** *American Journal of Industrial Medicine*
- 2009** *Building and Environment*
- 2010** *Indoor Air*
- 2011** *Regulatory Toxicology & Pharmacology*
- 2012** *Science of the Total Environment*
- 2012** *Journal of the Air & Waste Management Association*

<b>2012, 2014, 2016</b>	<i>Environment International</i>
<b>2012, 2017</b>	<i>Environmental Health Perspectives</i>
<b>2014, 2015, 2017, 2019</b>	<i>American Journal of Respiratory and Critical Care Medicine</i>
<b>2014</b>	<i>Thorax</i>
<b>2015</b>	<i>Journal of Occupational and Environmental Hygiene</i>
<b>2015</b>	<i>Journal of Environmental Management</i>
<b>2015</b>	<i>Environments</i>
<b>2015</b>	<i>Journal of Allergy and Clinical Immunology</i>
<b>2015</b>	<i>Environmental Research Letters</i>
<b>2016</b>	<i>International Journal of Environmental Research and Public Health</i>
<b>2017</b>	<i>Environmental Science &amp; Technology</i>

*External Peer Reviewer for the following documents:*

- 2010** United States Environmental Protection Agency, *Exposure Factors Handbook*, 2010
- 2011** United States Environmental Protection Agency, *America's Children and the Environment, Third Edition*
- 2013** United States Environmental Protection Agency, *TRW Recommendations for Sieving Soil and Dust Samples at Lead (Pb) Sites for Assessment of Incidental Ingestion*
- 2014** United States Environmental Protection Agency, *An EPA Pilot Study Evaluating Personal, Housing and Community Factors Influencing Children's Potential Exposures to Indoor Contaminants at Various Lifestages – A Research Protocol*
- 2016** United States Environmental Protection Agency, *Guidelines for Exposure Assessment*
- 2016** Siskiyou Lan Conservancy, *Smith River Community Health Assessment*
- 2017** United States Environmental Protection Agency, *Exposure Factors Handbook, Chapter 5 Soil and Dust Ingestion*

*National/International Presentations:*

- 2011** Participant, Roundtable Discussion on Risk Assessments and Related Science at the Taiwan-USA International Workshop on Children's Risk Assessment.
- 2011** Co-presented (with Shannon Newton), "Exposure and Control of Ten High Priority MSHA Contaminants in Metal Mining" at the 7<sup>th</sup> Annual Joint Western Regional Mine & Safety Health Conference, Henderson, Nevada. This included development of information pamphlets for each contaminant.
- 2011** Speaker, "Grant Writing and Funding Opportunities for New Researchers," workshop at International Society of Exposure Science conference, Baltimore, MD.
- 2013** Panelist, Plenary Session on Exposure Science. Invited to discuss "Building the Next Generation of Exposure Scientists," Joint Conference for International Society of Exposure Science, International Society of Environmental Epidemiology, and International Society of Indoor Air Quality, Basel Switzerland.



- 2015** Panelist, “Succeeding In Academia”, Gates Millennium Scholars Graduate School Institute, Portland, OR.
- 2016** Beamer, P., Almanza, H. “Actividades y Avances del Nodo Noroeste.” Conferencia de Red Temática Binacional en Salud Fronteriza, Phoenix, AZ.
- 2019** Panelist, “Understanding Community Health Impacts,” NIH/NIEHS Disasters Research Response Workshop, Tucson, AZ.
- 2019** Speaker, GeoHealth Early Career Session, American Geophysical Union, San Francisco, CA.

*National/International Media Interviews:*

- 2009** News item in American Chemical Society News Service Weekly PressPac, “Answer to the age-old lament: where does all this dust come from?,” October 28, 2009. Selected from ACS’ 34 peer-reviewed journals.
- 2009** Article for *Live Science* with Rachael Rettner, “Origin of Household Dust Pinned Down,” November 12, 2009.
- 2009** National Public Radio interview with Joe Palca, “The Dirt on Dust,” November 16, 2009.
- 2010** Article for *TIME* with Jeffrey Kluger, “What’s in Household Dust? You Don’t Want to Know,” February 23, 2010.
- 2010** Article for *Discovery News* with Cristen Conger, “Dust Bunnies Tainted with Toxins?,” March 5, 2010.
- 2010** Health and Human Services Health Beat interview with Ira Dreyfuss, “Tracking the source of dust,” US Department of Health and Human Services, March 8, 2010.
- 2011** Featured in Association of Schools of Public Health Friday Letter, “Arizona Researcher Awarded Grant to Study Link between Pollutants and Asthma,” November 4, 2011.
- 2011** Featured in Association of Schools of Public Health Friday Letter, “Arizona Researchers Investigate Water Use in Border Community,” November 11, 2011.
- 2012** Article for *Arizona Republic* and *USA Today* with Shaun McKinnon, “a battle to breathe,” January 29, 2012.
- 2012** Superfund Basic Research Program, Research Brief #214, “UA SRP Researchers Report on TCE in Breast Milk,” September 7, 2012.
- 2012** Article for *Chemical & Engineering News* with Janet Pelley, “Carcinogenic Solvent Measured in Breast Milk”, August 3, 2012.
- 2012** Featured in Association of Schools of Public Health Friday Letter, “Arizona Finds Trichloroethylene in Breast Milk,” September 21, 2012.
- 2012** Article for *Environmental Factor* with Sarah Wilkinson, “Exploratory study first to quantify TCE in breast milk”, National Institute of Environmental Health Sciences, October 2012.
- 2015** National Radio of Slovenia interview with Peter Mocnik, “A Good Question!”, March 21, 2015.
- 2015** Health expert that helped with “UA SRP Responds Quickly to Inform Communities Near Colorado Mine Spill” that was featured in NIEHS Partnerships for Environmental and Public Health Newsletter (Vol. 6, Issue 10).

- 2015** Author/co-author of 4 out of 34 peer-reviewed included in the annotated bibliography from the NIEHS report “Advancing Environmental Justice.” This report highlights NIEHS funded research addressing environmental health disparities between 1998-2012.
- 2016** Featured in Association of Schools of Public Health Friday Letter, “Arizona: Identifying Community-level Risk Factors for Disease Intervention,” January 19, 2016.
- 2016** Featured in Association of Schools of Public Health Friday Letter, “Arizona Finds Increased Wheezing Risk with Diesel Exposure among Children of Younger Mothers,” January 27, 2016.
- 2016** Featured in Association of Schools of Public Health Friday Letter, “Arizona Finds Arsenic and Lead Exposure to Children Living Near Mine Waste,” February 17, 2016.
- 2016** Featured in Association of Schools of Public Health Friday Letter, “Arizona Researchers to Study Environmental Effects on Navajo Lands a Year after Gold King Mine Spill,” March 31, 2016.
- 2016** Featured in *the Catalyst* (newsletter for the Pesticide Action Network of North America), “Pioneering Research to Protect Kids, Dr. Paloma Beamer and her students are learning that pesticides in the air from nearby farms are entering homes.”  
<http://www.panna.org/sites/default/files/PANnews2016n02FINAL.pdf>
- 2016** Featured in Association of Schools of Public Health Friday Letter, “Arizona Study Looks at the Association of Children’s Urinary CC16 Levels with Arsenic Concentrations in Multiple Environmental Media,” July 7, 2016.
- 2016** Interview with Mary Shinn for “Navajo researcher leads search for answers about contamination: Team identified 40 possible ways people could be exposed,” *Durango Herald*, August, 5, 2016.
- 2016** Panelist on *Native American Calling*, “Friday, August 5, 2016 –The Gold King Mine spill: One year later.” <http://www.nativeamericacalling.com/friday-august-5-2016-gold-king-mine-spill-one-year-later/>
- 2016** Featured in “Your Dust is Probably Quite Toxic” article in Dr. Mercola’s Natural Health Newsletter. <http://articles.mercola.com/sites/articles/archive/2016/09/28/toxic-dust-particles-health-risks.aspx>
- 2017** Featured in *Partners in Environmental Public Health Newsletter*, “Reporting Results to Participants Can Improve Environmental Health Literacy,” National Institutes of Environmental Health Sciences.
- 2017** Interview with Nidhi Subbaraman for “Scientists Tell Navajo Farmers Their Water is No Longer Contaminated,” *Buzz Feed News*, May, 24, 2017.  
[https://www.buzzfeed.com/nidhisubbaraman/navajo-gold-king-science?utm\\_term=.cw8aaGN63#.kwGnnGLAZ](https://www.buzzfeed.com/nidhisubbaraman/navajo-gold-king-science?utm_term=.cw8aaGN63#.kwGnnGLAZ)
- 2018** Grantee Highlight in *Partners in Environmental Public Health Newsletter*, “Paloma Beamer, Ph.D. – Understanding How Culture and Behavior Affect Environmental Exposures,” National Institutes of Environmental Health Sciences, January 4, 2018.  
<https://www.niehs.nih.gov/research/supported/translational/peph/grantee-highlights/2018/index.cfm#a837243>
- 2018** Featured in Association of Schools of Public Health Friday Letter, “Arizona Faculty Named President-Elect of International Society of Exposure Science,” February 14, 2018.

- 2018**      Featured in article written by Dave Blanchard, “Use of Hazardous Chemicals in Salons and Auto Shops to Be Studied,” in *EHS Today*. February 28, 2018.  
<https://www.ehstoday.com/industrial-hygiene/use-hazardous-chemicals-salons-and-auto-shops-be-studied>
- 2018**      Featured in article written by Raquel Rimbach, “UA Receives \$2.98M for Collaborative Study to Reduce Hazardous Chemical Exposure in the Workplace,” in *Industrial Hygiene News*. March 2, 2018.
- 2019**      Featured material: Gold King Mine Spill Diné Exposure Project Videos, NIH/NIEHS Partnerships in Environmental Public Health, Inspiring Materials, August 2019.

*Professional Memberships:*

- 1997-present**    Society of Hispanic Professional Engineers, *Lifetime Member*
- 2006-present**    International Society of Exposure Science
- 2006-present**    Society for the Advancement of Chicanos and Native Americans in Science, *Lifetime Member*
- 2007-2010**      Association of Women Faculty, University of Arizona
- 2009-present**    American Chemical Society (Environmental Chemistry and Chemical Health & Safety Divisions)
- 2010-present**    International Society of Children’s Health in the Environment, *Founding Member*
- 2011-present**    International Society for Indoor Air Quality and Climate
- 2011-present**    American Thoracic Society (Environmental and Occupational Health Assembly)
- 2019-present**    American Geophysical Union (GeoHealth)

Division of Community, Environment & Policy Committees and Service

- 2008-2015**      Member, Admissions Committee, Environmental Health Sciences Section
- 2008-2011**      Member, Annual Peer Review Committee
- 2009**            Member, Faculty Search Committee, Environmental Health Sciences Section
- 2009-2015**      Environmental Health Sciences Recruitment Materials, help coordinate and draft recruitment flyers and website development

Department of Community, Environment & Policy Committees and Service

- 2015-2016**      Member, Faculty Search Committee, Environmental Health Sciences Program
- 2015-present**    Member, Admissions Committee, Environmental Health Sciences Program
- 2015-present**    Member, Promotion and Tenure Committee
- 2019**            Chair, Faculty Search Committee, Environmental Health Sciences Program

### Mel and Enid Zuckerman College of Public Health Committees and Service

- 2007-2008** Recruitment for the College of Public Health at minority student conferences in Washington, D.C., Phoenix and Tucson
- 2010-2013** Member, Research Advisory Committee
- 2012-2014** Member, Committee on Inclusion and Equity
- 2012** Laboratory Safety, developed and coordinated first College-wide laboratory safety training and laboratory cleaning as well as created the laboratory worker database
- 2013** Joint presentation with Kacey Ernst, “Trial and Tribulations of the New Researcher: The things you should know about preparing grants that you didn’t learn in grad school.” Faculty Development Lunch.
- 2014-present** Co-Chair (2014-2016, 2018-present) and Chair (2016-2017), Committee on Inclusion and Equity
- 2014** Member, Search Committee, Office of Student Affairs (two positions, undergraduate advisor, MS/PhD Advisor)
- 2015** Recruitment for the College of Public Health at Gates Millennium Scholars Graduate Institute, Portland, OR
- 2015** Joint presentation with Kacey Ernst, “Mentorship Experiences.” Faculty Development Lunch.
- 2017** Member, Faculty Search Committee, Biostatistics Program
- 2017** Lead, “*Mel and Enid Zuckerman College of Public Health Plan for Implementing and Practicing Inclusive Excellence.*” Consisted of analysis of College-wide inventory, focus groups with students, staff, and faculty, and development and prioritization of 52 action items.
- 2019-2020** Chair, MEZCOPH Climate Study Task Force

### University of Arizona Committees and Service

- 2007-2013** Member, Advisory Board, Latino/a Association of Graduate Students in Engineering and Science
- 2008-2009** Member, Institutional Chemical Safety Committee
- 2008-present** Member, Dean Carter Binational Center for Environmental Health Sciences
- 2010** Grant Reviewer, Water Sustainability Program
- 2010-present** Member, Institute for the Environment
- 2011-present** Member, University Committee for Monitoring Labor & Human Right Issues
- 2012** Grant Reviewer, Southwest Environmental Health Sciences Center
- 2013** Grant Reviewer, Community Connection Grants, Office of the Vice President for Research
- 2014** Grant Reviewer, Water, Environment, and Energy Solutions
- 2014** Member, Arizona Health Sciences Center Diversity Workgroup

- 2015-2016** Member, Search Committee, Director for the Center of Toxicology and the Director of the Southwest Environmental Health Sciences Center (SWEHSC)
- 2015-present** Member, Advisory Board, Environmental Health Sciences Transformative Research Undergraduate Experience
- 2015-present** Co-Lead, Exposure Science Core, Center for Indigenous Environmental Health Research (CIEHR)
- 2016** Reviewer, Marshall Foundation Dissertation Fellowship and the Dr. Maria Teresa Velez – Marshall Dissertation Scholarship, Graduate College
- 2016-present** Faculty Member, American Indian Studies, Graduate Interdisciplinary Studies
- 2017** Participant, Eres Tu Campaign, Hispanic Center of Excellence, University of Arizona Health Sciences
- 2018-present** Member, Advisory Board, Confluence Center, University of Arizona
- 2018-present** Management Team, Southwest Environmental Health Sciences Center, University of Arizona. Co-Lead Research Focus Group 1 (Environmental Exposures in Vulnerable Populations) and Human Population and Exposure Resource
- 2019-present** Predoctoral Coordinator, NIEHS T32 Environmental Toxicology of Human Disease

University of Arizona Service Presentations

- 2008** Graduate School Panel, McNair Program
- 2008** Leadership Lunch, Latino Association of Graduate Students in Science and Engineering, sponsored by College of Optical Sciences
- 2008** “Topics on Environmental and Occupational Health: Globally and Nationally.” Brown bag lunch, Global Health Student Alliance
- 2009** Panel for GEM (Graduate Engineering Minority) Grad Lab, Biomedical Engineering Program
- 2010** “My Life in the Science World.” Las Pláticas at Chávez, Panel hosted by Chicano/Hispano Student Affairs Office
- 2011** “Parenthood in Academia.” Panel hosted by the ADVANCE program.
- 2015** Joint presentation with Kacey Ernst, “Faculty Resilience,” UA Programs to Increase Diversity Among Individuals Engaged in Health-Related Research (PRIDE NHLBI R25).
- 2016** Students for Sustainability, Panel on Environmental Health
- 2016** Joint presentation with Christian Bime, “Faculty Resilience,” UA Programs to Increase Diversity Among Individuals Engaged in Health-Related Research (PRIDE NHLBI R25).
- 2016** Joint presentation with Karletta Chief regarding our Gold King Mine Spill project and our career trajectories in environmental health the UA Environmental Health Sciences Transformative Undergraduate Research Experience (EHS-TRUE) (NIEHS R25)
- 2017, 2019** UA Faculty Panel Discussion on Graduate Admissions, UROC Graduate Symposium
- 2019** Speaker, Mentoring Seminar Series, JEG Summer Internship

## PUBLICATIONS/CREATIVE ACTIVITY

### *Chapters in scholarly books and monographs*

- 2011** Beamer, P. “Pesticide Exposure among Farmworkers and their Children in the United States.” Peer-reviewed book chapter in *Pesticides in the Modern World*. Edited by Margarita Stoytcheva. InTech: Croatia.
- 2018** López-Gálvez, N.,\*\* Wagoner, R.,\*\* Quirós-Alcalá, L., Ornelas Van Horne, Y.,\*\* Furlong, M., Avila, E.,\*\* Beamer, P. “Take-Home Route of Pesticide Exposure.” Reference Module in Earth Systems and Environmental Sciences. <https://doi.org/10.1016/B978-0-12-409548-9.11052-8>

\*\* Indicates student author

### *Refereed Journal Publications*

#### *At previous ranks:*

- 2004** AuYeung, W., Canales, R.A., Beamer, P., Ferguson, A.C., and J.O. Leckie. “Young Children’s Mouthing Behavior: An Observational Study via Videotaping in a Primarily Outdoor Residential Setting.” *J Children’s Health*, 2 (3-4), pg. 271-295.
- 2005** Ferguson, A.C., Canales, R.A., Beamer, P., AuYeung, W., Key, M., Munninghoff, A., Lee, K.T., Robertson, A., and J.O. Leckie. “Video methods in the quantification of children’s exposures.” *J Exp Anal Environ Epidemiol*, 16: 287-298.
- 2006** AuYeung, W., Canales, R.A., Beamer, P., Ferguson, A.C., and J.O. Leckie. “Young children’s hand contact activities: An observational study via videotaping in primarily outdoor residential settings.” *J Exp Sci Environ Epidemiol*, 16: 434-446.
- 2007** Xue, J., Zartarian, V., Moya, J., Freeman, N., Beamer, P., Black, K., Tolve, N., and S. Shalat. “A Meta-Analysis of Children’s Hand-to-Mouth Frequency Data for Estimating Non-Dietary Ingestion Exposure.” *Risk Analysis*, 27(2): 411-420.
- \*2008** Beamer, P., Key, M.E., Ferguson, A.C., Canales, R.A., AuYeung, W., and J.O. Leckie. “Quantified Activity Pattern Data from 6-to-27-Month-Old Farmworker Children for Use in Exposure Assessment.” *Environ Res*, 108: 239-246. PMID: 18723168.
- 2009** Layton, D.W., and P. Beamer. “Migration of Contaminated Soil and Airborne Particulates to Indoor Dust.” *Environmental Science & Technology*, 43(21): 8199-8205. PMID: 19924944.
- 2009** Beamer, P., Canales, R. A., Bradman, A., and J. O. Leckie. “Farmworker children's residential non-dietary exposure estimates from micro-level activity time series.” *Environ International*, 35: 1202-1209. PMID: 19744713.
- \*2009** Beamer, P., Canales, R.A., and J.O. Leckie. “Developing Probability Distributions for Transfer Efficiencies for Dermal Exposure.” *J Exp Sci Environ Epidemiol*, 19: 274-283. PMID: 18385671.
- 2010** Xue, J., Zartarian, V., Tolve, N., Moya, J., Freeman, N., AuYeung, W., and Beamer, P. “A Meta-Analysis of Children’s Object-to-Mouth Frequency Data for Estimating Non-Dietary Ingestion Exposure.” *J Exp Sci Environ Epidemiol*, 20: 536-545. PMID: 19773815
- 2012** Beamer, P., Luik, C.E.\*\*, Canales, R.A., Leckie, J.O. “Quantified Outdoor Micro-activity Data for Children Aged 7-12 Years Old.” *J Exp Sci Environ Epidemiol*, 22:82-92. PMID: 21989500.
- 2012** Beamer, P.I., Canales, R.A., Ferguson, A.C., Leckie, J.O., Bradman, A. Relative Pesticide and Exposure Route Contribution to Aggregate and Cumulative Dose in Young Farmworker Children. *Int J Environ Res Public Health*, 9: 73-96. PMID: 22470279.

- 2012** Beamer, P.I., Elish, C.A.\*\* , Roe, D.J., Loh, M.M., Layton, D.W. Differences in Metal Concentration by Particle Size in House Dust and Soil. *J Environ Monit*, 14(3):839-44. PMID: 22245917.
- 2012** Beamer, P.I., Luik, C.E.\*\* , Abrell, L., Campos, S., Martinez, M.E., Saez, A.E. “Concentration of Trichloroethylene in Breast milk and Household Water from Nogales, Arizona.” *Environ Sci Technol*, 46(16): 9055–9061. PMID: 22827160.
- 2013** Ramirez-Andreotta, M.D.\*\* , Brusseau, M.L., Beamer, P., Maier, R.M. “Home Gardening near a Mining Site in an Arsenic-Endemic Region of Arizona: Assessing Combined Arsenic Exposure, Dose and Risk via Ingestion of Home Garden Vegetables, Soils and Potable Water.” *Sci Tot Environ*, Volumes 454–455: 373–382. PMID: 23562690.
- 2013** Sugeng, A.J.\*\* , Beamer, P.I., Lutz, E.A., Rosales, C.B. “Hazard-Ranking of Agricultural Pesticides for Chronic Health Effects in Yuma County, Arizona.” *Sci Total Environ*, Volumes 463–464:35–41. PMID: 23783270.

*At current rank:*

- 2014** Beamer, P.I., Sugeng, A.J.\*\* , Kelly, M.D.\*\* , Lothrop, N., Klimecki, W., Wilkinson, S.T., Loh, M. “Use of dust fall filters as passive samplers for concentrations in air for communities near contaminated mine tailings.” *Environmental Science: Processes & Impacts. Emerging Investigators Special Issue*. 16(6): 1157-1536. PMID: 24469149; PMC: 4038653.
- 2014** Tsou, M.C.\*\* , Ozkaynak, H., Beamer, P., Dang, W., Chien, L.C. “The mouthing activities data for children aged 7 to 35 months old in Taiwan.” *Journal of Exposure Science and Environmental Epidemiology*, Advance online publication, 16 July 2014; doi:10.1038/jes.2014.50.
- 2015** Beamer, P.I., Plotkin, K.R.\*\* , Gerba, C.P., Sifuentes, L., Koeing, D.W., Reynolds, K.A. “Risk Modeling of Human Viruses on Hands in a Office Workplace Using Micro-Activity Data.” *Journal of Occupational and Environmental Hygiene*. 12:4, 266-275.
- 2015** Lothrop, N., Wilkinson, S.T., Verhougstraete, M., Sugeng, A.\*\* , Loh, M.M., Klimecki, W., Beamer, P.I. “Home Water Treatment Habits and Effectiveness in a Rural Arizona Community.” *Water*, 7(3), 1217-1231.
- 2015** Beamer, P.I., Lothrop, N.\*\* , Stern, D.A., Billheimer, D., Wright, A.L., Martinez, F.D. “Increased wheezing risk associated with diesel exposure among children of younger mothers.” *Eur Respir J*, 46: 853–855.
- 2015** Beamer, P.I., Lothrop, N.\*\* , Lu, Z., Ascher, R.\*\* , Stern, D., Billheimer, D., Wright, A.L., and Martinez F.D. “Spatial Clusters of Child Lower Respiratory Illnesses Associated with Community-Level Risk Factors.” *Pediatric Pulmonology*, DOI: 10.1002/ppul.23332
- 2016** Reynolds, K.A., Beamer, P.I., Plotkin, K.R.\*\* , Sifuentes, L., Koeing, D.W., Gerba, C.P. “The Healthy Workplace Project: Reduced Viral Exposure in an Office Setting.” *Arch Environ Occup Health*, 71(3): 157-162.
- 2016** Loh, M., Sugeng, A.\*\* , Lothrop, N.\*\* , Klimecki, W., Cox, M., Wilkinson, S.T., Lu, Z., Beamer, P.I. Multimedia Exposures to Arsenic and Lead for Children Near an Inactive Mine Tailings and Smelter Site. *Environmental Research*, Volume 146, 331–339.
- 2016** Ramirez-Andreotta, M.D., Brody, J.G., Lothrop, N.\*\* , Loh, M., Beamer, P.I., Brown, P. “Reporting Back Environmental Exposure Data and Free Choice Learning.” *Environmental Health*, doi: 10.1186/s12940-015-0080-1.

- 2016** Beamer, P.I., Klimecki, W.T., Loh, M., Van Horne, Y.O.\*\* , Sugeng, A.J.\*\* , Lothrop, N.\*\* , Billheimer, D., Guerra, S., Lantz, R.C., Canales, R.A., Martinez, F.D. “Association of Children’s Urinary CC16 Levels with Arsenic Concentrations in Multiple Environmental Media.” *Int J Environ Res Public Health*, 13, 521.
- 2016** Ramirez-Andreotta, M.D., Brody, J.G., Lothrop, N.\*\* , Loh, M., Beamer, P.I., Brown, P. “Improving Environmental Health Literacy and Justice through Environmental Exposure Results Communication.” *Int J Environ Res Public Health*, 13, 690.
- 2017** Chien, L.C., Tsou, M.C.\*\* , Hsi, H.C., Beamer, P., Bradham, K., Hseu, Z.Y., Jien, S.H., Jiang, C.B., Dang, W. Özkaynak, H. Soil ingestion rates for children under 3 years old in Taiwan. *J Expo Sci Environ Epidemiol*, 27, 33-40.
- 2017** Carr, T.F., Beamer, P.I., Rothers, J., Stern, D.A., Gerald, L.B., Rosales, C.B., Van Horne, Y.O.\*\* , Pivniouk, O., Vercelli, D., Halonen, M., Gameros, M., Martinez, F.D., Wright, A.L. “Prevalence of Asthma in School Children on the Arizona-Sonora Border.” *Journal of Allergy and Clinical Immunology: In Practice*, 5(1), 114–120.
- 2017** Victory, K.R.,\*\* Cabrera, N.L., Larson, D.,\*\* Reynolds, K.A., Latura, J., Thompson, C.A., Beamer, P.I. "Comparison of Fluoride Levels in Tap and Bottled Water and Reported Use of Fluoride Supplementation in a U.S.-Mexico Border Community." *Frontiers in Public Health*, 5:87, doi: 10.3389/fpubh.2017.00087.
- 2017** Lothrop, N.\*\* , Hussaini, K., Billheimer, D., Beamer, P. I. “Community-Level Characteristics and Environmental Factors of Child Respiratory Illnesses in Southern Arizona.” *BMC Public Health*, 17:516, <https://doi.org/10.1186/s12889-017-4424-3>.
- 2018** Tsou, M.C.\*\* , Özkaynak, H., Beamer, P., Dang, W., Jiang, C.B., Chien, L.C. Mouthing activity data for children age 3 to <6 years old and fraction of hand area mouthed for children age <6 years old in Taiwan. *J Expo Sci Environ Epidemiol*, 28, 182–192.
- 2018** López-Gálvez, N.,\*\* Wagoner, R.,\*\* Beamer, P., de Zapien, J., Rosales, C. “Migrant Farmworkers’ Exposure to Pesticides in Sonora, Mexico.” *Int J Environ Res Public Health*, 15(12): 2651.
- 2019** Beamer, P., Furlong, M., Lothrop, N.,\*\* Guerra, S., Billheimer, D., Stern, D.A., Zhai, J.,\*\* Halonen, M., Wright, A.L., Martinez, F.D. “CC16 levels into adult life are associated with nitrogen dioxide exposure at birth.” *American Journal of Respiratory and Critical Care Medicine*, 200(5), 600-607.
- 2019** García-Rico, L.,\*\* Meza-Figueroa, D., Beamer, P.I., Burgess, J.L., O’Rourke, M.K., Lantz, C.R., Furlong, M., Martinez-Cinco, M., Mondaca-Fernandez, I., Balderas-Cortes, J.J., Meza-Montenegro, M.M. “Serum matrix metalloproteinase-9 in children exposed to arsenic from playground dust at elementary schools in Hermosillo, Sonora, Mexico.” *Environmental Geochemistry and Health*, <https://doi.org/10.1007/s10653-019-00384-6>.
- 2019** López-Gálvez, N.,\*\* Wagoner, R.,\*\* Quirós-Alcalá, L., Ornelas Van Horne, Y.,\*\* Furlong, M. Avila, E.,\*\* Beamer, P. “Systematic Literature Review of the Take-Home Route of Pesticide Exposure via Biomonitoring and Environmental Monitoring.” *International Journal of Environmental Research and Public Health*, 16(12): 2177-2301.
- 2019** Pellizzari, E.D., Woodruff, T., Boyles, R., Kannan, K., Beamer, P.I., Buckley, J., Wang, A., Zhu, Y., Bennett, D.H. and ECHO “Identifying and Prioritizing Chemicals with Uncertain Burden of Exposure: Opportunities for Biomonitoring and Health-Related Research.” *Environmental Health Perspectives*, 127(12), <https://doi.org/10.1289/EHP5133>



- 2019** Madera-García, V.,\*\* Mraz, A.L.,\*\* López-Gálvez, N.,\*\* Weir, M.H., Werner, J., Beamer, P.I., Verhoughstraete, M. “Legionella pneumophilia as a Health Hazard to Miners: A Pilot Study of Water Quality and QMRA,” *Water*, 11(8), 1528-1539.
- 2019** Van Horne, Y.O.,\*\* Parks, J., Tran, T., Abrell, L., Reynolds, K., Beamer, P. “Seasonal variation of water quality in unregulated domestic wells.” *International Journal of Environmental Research and Public Health*, 16(9), 1569-1583.
- 2020** Buckley, J., Barrett, E., Beamer, P., Bennett, D.H., Bloom, M., Fennell, T., Fry, R., Funk, W., Hamra, G., Hecht, S.S., Kannan, K., Iyer, S., Karagas, M., Lyall, K., Parsons, P.J., Pellizzari, E., Signes, Pastor, A.J., Starling, A., Wang, A., Watkins, D., Zhang, M., Woodruff, T. and ECHO “Opportunities for evaluating chemical exposures and child health: The Environmental influences on Child Health Outcomes (ECHO) Program.” Accepted to *Journal of Exposure Science and Environmental Epidemiology*.

\*Indicates articles primarily from dissertation

\*\* Indicates student author

· Indicates community author

#### Other Journal Publications

- 2016** Beamer, P.I., Klimecki, W.T., Loh, M., Van Horne, Y.O.\*\*, Sugeng, A.J.\*\*, Lothrop, N.\*\*, Billheimer, D., Guerra, S., Lantz, R.C., Canales, R.A., Martinez, F.D. “Response to García-Nieto et al. Comments on Beamer et al. Association of Children’s Urinary CC16 Levels with Arsenic Concentrations in Multiple Environmental Media.” *Int J Environ Res Public Health*, 13, 978.

\*\* Indicates student author

#### Refereed Publications in Conference Proceedings

- 2002** Beamer, P., Castaño, A., and J.O. Leckie. “Vertical Profile Particulate Matter Measurements in a California Day Care.” *Proceedings of the Indoor Air Conference, Monterey, CA.*
- 2011** Beamer, P., Kelly, M.\*\*, Sugeng, A.\*\*, Layton, D.W. Use of house dust and soil ratios to prioritize elements for future air quality investigations. *Proceedings of the Indoor Air Conference, Austin, TX.*

\*\* Indicates student author

### Technical Reports

- 2011** Gerba, C.P., Beamer, P., Fankem, S.L.M., Maxwell, S., Reynolds, K., Plotkin, K.\*\*, Sifuentes, L.Y., and Tamimi, A.H. “Workplace Wellness Intervention Study.” Submitted to Kimberly Clark.
- 2018** Beamer, P.I., López-Gálvez, N.\*\* “Part I. Quantification of Micro-level Activities from a Pre-existing Dataset of Children Playing on Turf/Playgrounds.” Submitted to California Office of Environmental Health Hazard Assessment.
- 2018** Beamer, P.I., López-Gálvez, N.\*\* “Part II. Quantification of Micro-level Activities from Recorded Data of Children Playing Soccer on Artificial Turf.” Submitted to California Office of Environmental Health Hazard Assessment.
- 2019** Pearce-Walker, J., Verhougstraete, M., Nematollahi, A.,\*\* Pountain, M.,\*\* Beamer, P. “Environmental Toxic Substance Assessment Per- and Polyfluoroalkyl Substances (PFAS) in Pima County Water.” Submitted to Pima County Health Department.

\*\* Indicates student author

### Editorials

- 2016** Beamer, P. “Other worries in addition to lead in the water.” The Hill: Congress Blog, February 18, 2016. <http://thehill.com/blogs/congress-blog/energy-environment/269769-other-worries-in-addition-to-lead-in-the-water>
- 2016** Beamer, P., Chief, K., Borrero, N.,\*\* Rivera, B.\*\* “ ‘Water Is Our Life’: How a Mining Disaster Affected the Navajo Nation.” Truth-Out, News Analysis, May, 16, 2016. <http://www.truth-out.org/news/item/36049-water-is-our-life-how-a-mining-disaster-affected-the-navajo-nation>
- 2016** Beamer, P. “Why You Should Display Your Diploma.” Motto, from the Editors of Time, May 16, 2016. <http://motto.time.com/4330143/hang-up-your-diploma/>
- 2016** Beamer, P., Muñoz, K.\*\* “Your Coworker May Be Concealing Her Multiple Sclerosis.” Women’s E-News, August 3, 2016. <http://womensenews.org/2016/08/your-coworker-may-be-concealing-her-multiple-sclerosis/>
- 2019** Beamer, P. “Air Pollution Contributes to Asthma Deaths.” *American Journal of Respiratory and Critical Care Medicine*, 200(1), 1-2.

### Cooperative Extension Publications

- 2016** Artiola, J.F., Chief, K., Beamer, P., Wilkinson, S.T., Maier, R.M., Rock, C., and Sanchez, C. “The Gold King Mine Spill: Can it Impact Water Users below Lake Powell Reservoir and Yuma Farmers?”, University of Arizona, College of Agriculture & Life Sciences, Cooperative Extension, April, az1698, <http://arizona.openrepository.com/arizona/bitstream/10150/607717/1/az1698-2016.pdf>

### Newsletter Contributions

- 2016** Beamer, P. “Reflections one year after the water turned yellow – How the Gold King Mine Spill changed my life.” UA Superfund Research Program Newsletter, Special Edition Gold King Mine Spill – One Year Later Reflection Newsletter, August 2016. [https://superfund.arizona.edu/sites/superfund.arizona.edu/files/u70/gkm\\_newsletter\\_10\\_5\\_16\\_final.pdf](https://superfund.arizona.edu/sites/superfund.arizona.edu/files/u70/gkm_newsletter_10_5_16_final.pdf)

- 2018** Beamer, P., Romeo Upperman, C. "ISES Mentorship and Professional Development Program." International Society of Exposure Science Newsletter, May 2018.  
[https://intlexposurescience.org/wp-content/uploads/2019/02/ISES\\_Newsletter\\_May\\_2018.pdf](https://intlexposurescience.org/wp-content/uploads/2019/02/ISES_Newsletter_May_2018.pdf)

*Refereed Published Abstracts*

- 2002** Beamer, P., Canales, R., and J.O. Leckie. "Determination of Probability Distributions for Transfer Efficiencies." *Epidemiology*, 13(4): S183-S183.
- 2005** AuYeung, W., Canales, R.A., Beamer, P., Ferguson, A.C., and J.O. Leckie. "Young Children's Hand Contact Activities: An Observational Study via Videotaping in a Primarily Outdoor Residential Setting." *Epidemiology*, 16(5): S135-S136.
- 2006** Beamer, P., Shi, H., Ferguson, A.C., and J.O. Leckie. "Development of a Cumulative Dermal Absorption Model by Linkage to a PBPK Model for Chlorpyrifos and Diazinon." *Epidemiology*, 17(6): S246-S246.
- 2006** Shi, H., Ferguson, A.C., Beamer, P., and J.O. Leckie. "A Dermal Absorption Model Validation By Linkage to A PBPK Model for Chloroform." *Epidemiology*, 17(6): S246-S246.
- 2008** Beamer, P., Canales, R.A., Ferguson, A.C., Eskenazi, B., Leckie, J.O., Bradman, A. "Organophosphate Pesticide and Exposure Route Contribution to Aggregate and Cumulative Dose for Young Farmworker Children." *Epidemiology*, 19(6): S264-S244.
- 2008** Beamer, P., Canales, R.A., Ferguson, A.C., Leckie, J.O. "Development of a Cumulative and Aggregate Exposure and Dose Model for Children." *Epidemiology*, 19(6): S263-S264.
- 2008** Beamer, P., Leckie, J.O. "Development of a Cumulative and Aggregate PBPK Model for Chlorpyrifos and Diazinon." *Epidemiology*, 19(6): S262-S262.
- 2008** Beamer, P., Leckie, J.O. "Estimation of Age-Specific Physiological and Pharmacokinetic Parameters for PBPK Modeling of Children." *Epidemiology*, 19(6): S264-S245.
- 2010** Beamer, P., Ascher, R.\*\* , Stern, D.A., Sherrill, D., Wright, A.L., Martinez, F.D. "Spatial Relation of Traffic-Related Pollutants and Early Childhood Respiratory Illnesses and Wheezing in Tucson Arizona." *Am J Respir Crit Care Med*, 181: A1897.
- 2012** Beamer, P.I., Ascher, R.\*\* , Stern, D.A., Lu, Z., Wright, A.L., Martinez, F.D. "Spatial Cluster Analysis Of Childhood Lower Respiratory Illnesses And Diesel Exposure In Tucson, Arizona." *Am J Respir Crit Care Med*, 185: A3237.
- 2014** Beamer, P., Lothrop, N., Stern, D.A., Billheimer, D., Wright, A.L., Martinez, F.D. "Wheezing lower respiratory illnesses associated with diesel exposure in children of younger mothers." *Am J Respir Crit Care Med* 189;2014:A2440.
- 2015** Beamer, P., Guerra, S., Lothrop, N., Stern, D.A., Lu, Z., Billheimer, D., Halonen, M., Wright, A.L., Martinez, F.D. "Childhood CC16 Levels Are Associated With Diesel Exposure At Birth." *Am J Respir Crit Care Med* 191;2015:A3202.
- 2016** Carr, T.F., Beamer, P.I., Rothers, J., Stern, D.A., Gerald, L.B., Rosales, C.B., Vercelli, D., Gameros, M., Halonen, M., Martinez, F.D., Wright, A.L. "Prevalence of Asthma in Adolescents Across the Arizona-Sonora Border Using ISAAC Written and Video Questionnaires." *Am J Respir Crit Care Med* 193;2016:A2768.
- 2019** López-Gálvez, N., Wagoner, R., Canales, R., Beamer, P.I. "Characterizing Environmental and Occupational Exposures Associated to Kidney Function among Migrant Farm workers in Mexico: A Study Protocol." *Environ Epidemiol* 3, 250.

\*\* Indicates student author

· Indicates community author

## WORK IN PROGRESS

- 2019** Ryan, P.H., Brokamp, C., Blossom, J., Lothrop, N.,\*\* Miller, R.L., Beamer, P.I., Visness, C.M., Zanolotti, A., Andrews, H., Bacharier, L.B., Hartert, T., Johnson, C.C., Ownby, D., Lemanske, R.F., Gibson, H., Requia, W., Coull, B., O'Toole, S., Zoratti, E.M., Wright, A.L., Martinez, F.D., Seroogy, C.M., Gern, J.E., Gold, D.R. "A Distributed Geospatial Approach to Describe Community Characteristics for Multi-Site Studies: the Children's Respiratory and Environmental Workgroup (CREW)." Submitted to *American Journal of Epidemiology*.
- 2019** Beamer, P.I., Kelly, M.\*\*, Layton, D.W. "Development and Evaluation of a Modeling Framework for Transport of Soil Contaminants to the Indoor Environment." In preparation.
- 2019** Victory, K.R.,\*\* Cabrera, N.L., Larson, D.,\*\* Reynolds, K.A., Latura, J., Beamer, P.I. "Risks and risk perceptions related to drinking bottled water." In preparation.
- 2019** Victory, K.R.,\*\* Reynolds, K.A., Cabrera, N.L., Larson, D.,\*\* Latura, J.,· Burgess, J.L., Beamer, P.I. "Comparison of Chemical and Microbial Contaminants in Tap, Bottled and Vended Water in a U.S.-Mexico Border Community." In preparation.
- 2019** Beamer, P.I., Pine, B.<sup>+</sup>, Chief, K., Begay, M.G.<sup>+</sup>, Ornelas van Horne, Y.,\*\* Lothrop, N.\*\*, Billheimer, D., Ingram, J., Murphy, M., "Honoring traditional knowledge in understanding short term exposures of Navajo communities after the Gold King Mine Spill." In preparation.

\*\* Indicates student author

## CONFERENCES / SCHOLARLY ACTIVITIES

### Invited Extramural Scholarly Presentations:

*At previous ranks:*

- 2004** Beamer, P., Canales, R.A., Ferguson, A. C., AuYeung, W., Leckie, J. O., Bradman, A., and B. Eskenazi. "Estimation of Non-Dietary Exposure of Young Farm-Worker Children Using Micro-Level Activity Time Series and the CASE Model." Presented at the International Society of Exposure Analysis conference, Philadelphia, PA.
- 2006** Beamer, P. "Exposure Analysis: the link between toxic source and health effects. A case study of farmworker children exposure to pesticides." NIH Bridge to the Baccalaureate Seminar Series, San Francisco City College.
- 2009** Beamer, P. "Pesticide Exposure Among Farmworkers' Children." American Chemical Society Spring 2009 National Meeting, Salt Lake City, UT.
- 2010** Beamer, P. "Pesticide Exposure and Cancer Risk Among Farmworkers and their Children." National Latino Cancer Summit, San Francisco, CA.
- 2011** Beamer, P. "Activity Patterns: Collection and Uses for Risk Assessment Modeling." Conference on Human Health Risk Assessment of Soil and Groundwater Contaminated Sites. National Taiwan University Hospital, International Convention Center, Taipei, Taiwan.

- 2011** Beamer, P. “Collection and Use of Activity Patterns for Risk Assessment Modeling.” Taiwan-USA International Workshop on Children’s Risk Assessment. National Taipei University of Technology, Taipei, Taiwan.
- 2013** Beamer, P. “Activity Patterns: Collection and Uses for Risk Assessment Modeling (Updated).” 2013 Policies, Exposure and Risk to Babies and Children Conference. Taipei Medical University, Taiwan.

*At current rank:*

- 2015** Beamer, P.I., Loh, M., Lothrop, N.\*\*, Sugeng, A.\*\*, Wilkinson, S.T., Cox, M., and W. Klimecki. Linking Exposure & Translational Science: A Community-Engaged Project near a Legacy Mine. Presented at NIEHS Environmental Health Sciences Core Centers Meeting in Tucson, AZ.
- 2016** Beamer, P.I. Linking Exposure & Translational Science: A Community-Engaged Project near a Legacy Mine. Presented at USC Southern California Environmental Health Sciences Center Seminar Series, Los Angeles, CA.
- 2017** Beamer, P. “Quantification of Diné activity patterns with the San Juan River in the wake of the Gold King Mine Spill.” The Future of Taiwanese Children, Taipei Medical University, Taiwan.
- 2017** Beamer, P. “Linking Exposure Science & Community Engagement: Children’s Arsenic Exposures near a Legacy Mine and Potential Health Impacts.” Policies, Asia-Pacific Children’s Health Symposium, Institute for the Environment and Resources, Taiwan.
- 2018** Beamer, P. “Linking Exposure & Translational Science: Community-Engaged Projects in Mining-Impacted Communities.” Frontiers Seminar, Department of Civil and Environmental Engineering, Stanford University, CA.
- 2018** Bradman, A., Beamer, P. “Quantification of Micro-level Activities for Children Playing on Playgrounds.” Office of Environmental Health Hazard Assessment (OEHHA) Synthetic Turf Scientific Panel Advisory Meeting, Sacramento, CA.
- 2019** Beamer, P., Chief, K., Ingram, J., “Farming is Life: Community Driven University Partnerships to Empower Diné Communities Following the Gold King Mine Spill.” Union Session: Water in the Coupled Earth-Human System Convergent Science, Decision-Making and Community Action. American Geophysical Union, San Francisco, CA.

\*\* Indicates student author

*Invited Research Webinars*

- 2013** Loh, M., Beamer, P., Klimecki, W. “The Metals Exposure Study in Homes (MESH): Examining children’s exposure to metals near the Iron King Superfund Site.” Part of Mining Site Metals: Exposure Pathways and Bio-Assays. Webinar for NIEHS Superfund Research Program in conjunction with EPA’s CLU-IN.
- 2018** Beamer, P., Begay, M.G., Pine, B., Van Horne, Y.O.,\*\* Lothrop, N.,\*\* Billheimer, D., Ingram, J., Murphy, M., Chief, K. “Honoring Traditional Knowledge in Understanding Short-Term Exposures of Navajo Communities after the Gold King Mine Spill.” Part of Bridging the Cultural Divide: The Role of Community Health Representatives/Workers in Environmental Public Health. Webinar for NIH/NIEHS Partners in Environmental and Public Health. March 2, 2018.

\*\* Indicates student author

· Indicates community author

Invited Extramural Research Poster

- 2019** Van Horne, Y.O.,\*\* Wagoner, R.,\*\* Tham, K.,+ Alshmmari, M.A.,\*\* Hadeed, S.,\*\* Blohm, J.,\*\* Eaker, D.,+ Quintanar, D.,+ Beamer, P.I. “A collaborative partnership to address the needs of the community following a mass exposure: A process for collection environmental, household, and biomonitoring data.” NIH/NIEHS Disaster Response Research Workshop, Tucson, AZ.

\*\* Indicates student author

+ Indicates community author

Invited Intramural Scholarly Presentations:

*Stanford University:*

- 2005** Beamer, P., Cabrera, N.L., and J.O. Leckie. “Pesticides, Farmworkers and Their Families: A Look at the Salinas Valley.” Faculty Speaker Series, Cesar Chavez Commemoration, El Centro Chicano, Stanford University.
- 2006** Beamer, P. “Pesticides Exposure Amongst Farmworkers and Their Children.” Asia-US Service Learning Program, Volunteers in Asia, Stanford University.
- 2007** Beamer, P. “Pesticides in our kids: Where does it come from? Development of a model to estimate aggregate and cumulative exposure and absorbed dose in young children.” Environmental Engineering & Science Seminar Series, Stanford University.

*University of Arizona:*

- 2007** Beamer, P. “Pesticides in our kids? Development of a model to estimate aggregate and cumulative exposure and absorbed dose in young children.” Chemical & Environmental Engineering Seminar Series, University of Arizona.
- 2008** Lantz, R.C., Beamer, P., Blowers, P., Boitano, S., Burgess, J.L., and P. Herckes. “Environmental Health and Nanomaterials: Development of exposure analysis, toxicity tests, and predictive risk assessment methods.” SRC/SEMATECH Engineering Research Center for Environmentally Benign Semiconductor Manufacturing Seminar Series, University of Arizona.
- 2008** Beamer, P. “Monte Carlo Simulations for Exposure and Risk Assessment: Case Study Farmworkers’ Children Exposure to Pesticides.” NSF ADVANCE Data Blitz, University of Arizona.
- 2008** Beamer, P. “Environmental Health at the Border: Community-Based Risk Assessment.” Community Action Board Meeting, Canyon Ranch Center for Prevention and Health Promotion, University of Arizona.
- 2010** Beamer, P. and W. Klimecki. “Toxicant-Laden Dust in the Desert: From Exposure Modeling to Molecular Response.” Frontiers in Biomedical Research. University of Arizona.
- 2012** Beamer, P. “Lower Respiratory Illnesses and Diesel Exposure in Tucson.” Epidemiology Seminar, University of Arizona.
- 2013** Beamer, P. “Diesel Exposure and Respiratory Outcomes in the Children’s Respiratory Study,” Arizona Respiratory Center Research Conference.
- 2013** Beamer, P. “Association of wheezing lower respiratory illnesses in children with diesel exposure and younger maternal age,” Arizona Respiratory Center Investigator Annual Research Retreat.

- 2013** Beamer, P., Sugeng, A. “Outdoor Pesticide Sampling in Yuma.” Presentation to Yuma Friends of Health Sciences.
- 2015** Beamer, P. and Y. Chen. “Early origins of Chronic Respiratory Impairment asSOciated with arseNic exposure (CRIMSON),” Arizona Respiratory Center Junior Faculty Development Retreat.
- 2015** Beamer, P. “Early origins of Chronic Respiratory Impairment Associated with Arsenic Exposure,” Pulmonary Research Conference, Department of Medicine, University of Arizona.
- 2015** Beamer, P. “Early origins of Chronic Respiratory Impairment Associated with Arsenic Exposure,” Arid Lands Seminar, University of Arizona.
- 2015** Beamer, P., Loh, M., Lothrop, N., Sugeng, A.\*\*, Wilkinson, S.T., Cox, M., Klimecki, W. “Linking Exposure & Translational Science: A Community-Engaged Project near a Legacy Mine.” Soil, Water & Environmental Science Seminar, University of Arizona.
- 2016** Beamer, P. “Development of Multiple Projects with the Navajo Nation in Response to the Gold King Mine Spill.” Environmental Health Sciences Seminar, University of Arizona.
- 2018** Beamer, P. “Gold King Mine Spill Diné Exposure Project.” *Student Transformative Experiences to Progress Underrepresented Professionals*, training grant in cancer prevention, University of Arizona.

\*\* Indicates student author

Peer-Reviewed Submitted Presentations:

*At previous ranks:*

- 2002** Beamer, P., Canales, R., and J.O. Leckie. “Determination of Probability Distributions for Transfer Efficiencies.” Presented at the International Society of Exposure Analysis conference, Vancouver, Canada.
- 2002** Beamer, P., Castaño, A., and J.O. Leckie. “Vertical Profile Particulate Matter Measurements in a California Day Care.” Presented at Indoor Air Conference, Monterey, CA.
- 2003** Beamer, P., AuYeung, W., Ferguson, A.C., Canales, R.A., and J.O. Leckie. “Time Activity Assessment of Young Farmworker Children in Salinas, California.” Presented at the International Society of Exposure Analysis conference, Stresa, Italy.
- 2003** AuYeung, W., Canales, R., Beamer, P., and J. Leckie. “Mouthing Activity of Young Children: An Observational Study.” Presented at the International Society of Exposure Analysis conference, Stresa, Italy.
- 2004** Key, M., Beamer, P., Ferguson, A.C., Canales, R.A., AuYeung, W., and J.O. Leckie. “Time Activity Assessment: Demographics of the Study Population.” Presented at the International Society of Exposure Analysis conference, Philadelphia, PA.
- 2004** Ferguson, A.C., Beamer, P., Key, M., AuYeung, W., and J.O. Leckie. “Microsoft Access Database of Micro-Level Activity Time Series (MLATS) Data for Children.” Presented at the International Society of Exposure Analysis conference, Philadelphia, PA.
- 2004** Beamer, P., Ferguson, A., Canales, R.A., AuYeung, W., Key, M. and J.O. Leckie. “Analysis of Children’s Mobility on Their Micro-Level Activity Patterns.” Presented at the International Society of Exposure Analysis conference, Philadelphia, PA.

- 2005** Beamer, P., Ferro, A.R., Canales, R.A., Ferguson, A.C., and J.O. Leckie. “Introduction to Human Exposure Analysis: a Stanford graduate engineering level course.” Presented at the International Society of Exposure Analysis conference, Tucson, AZ.
- 2005** Beamer, P., and J.O. Leckie. “Systematic verification of micro-level activity time series data to reduce uncertainty.” Presented at the International Society of Exposure Analysis conference, Tucson, AZ.
- 2005** Shi, H., Ferguson, A.C., Beamer, P., and J.O. Leckie. “Validation of a dermal absorption model by linkage to a PBPK model for TCE.” Presented at the International Society of Exposure Analysis conference, Tucson, AZ.
- 2005** AuYeung, W., Canales, R.A., Beamer, P., Ferguson, A.C., and J.O. Leckie. “Young Children's Hand Contact Activities: An Observational Study via Videotaping in a Primarily Outdoor Residential Setting.” Presented at the International Society for Environmental Epidemiology conference, Johannesburg, South Africa.
- 2006** Beamer, P., Shi, H., Ferguson, A.C., and J.O. Leckie. “Development of a Cumulative Dermal Absorption Model by Linkage to a PBPK Model for Chlorpyrifos and Diazinon.” Presented at the International Society of Exposure Analysis conference, Paris, France.
- 2006** Shi, H., Beamer, P., Ferguson, A.C., and J.O. Leckie. “A Dermal Absorption Model Validation By Linkage to A PBPK Model for Chloroform.” Presented at the International Society of Exposure Analysis conference, Paris, France.
- 2007** Beamer, P., Canales, R.A., Bradman, A., Leckie, J., and B. Eskenazi. “Correlations Between Micro-Level Activity Statistics and Non-Dietary Exposure Estimates of Young Farm-Worker Children.” Presented at the International Society of Exposure Analysis conference, Durham, North Carolina.
- 2007** Beamer, P., Leckie, J., and A. Bradman. “Estimates of Dietary Exposure for Young Mexican American Children Using Demographic Information and Publicly-Available Databases.” Presented at the International Society of Exposure Analysis conference, Durham, North Carolina.
- 2007** Xue, J., Zartarian, V., Moya, J., Tulve, N., Beamer, P., AuYeung, W., Black, K., Freeman, N., and S. Shalat.. “A Meta-Analysis of Children’s Hand-to-Mouth and Object-to-Mouth Frequency Data for Estimating Non-Dietary Ingestion Exposure.” Presented at the International Society of Exposure Analysis conference, Durham, North Carolina.
- 2008** Beamer, P., Canales, R.A., Ferguson, A.C., Eskenazi, B., Leckie, J.O., Bradman, A. “Organophosphate Pesticide and Exposure Route Contribution to Aggregate and Cumulative Dose for Young Farmworker Children.” Presented at the International Society of Exposure Analysis conference, Pasadena, California.
- 2008** Beamer, P., Canales, R.A., Ferguson, A.C., Leckie, J.O. “Development of a Cumulative and Aggregate Exposure and Dose Model for Children.” Presented at the International Society of Exposure Analysis conference, Pasadena, California.
- 2008** Beamer, P., Leckie, J.O. “Development of a Cumulative and Aggregate PBPK Model for Chlorpyrifos and Diazinon.” Presented at the International Society of Exposure Analysis conference, Pasadena, California.
- 2008** Beamer, P., Leckie, J.O. “Estimation of Age-Specific Physiological and Pharmacokinetic Parameters for PBPK Modeling of Children.” Presented at the International Society of Exposure Analysis conference, Pasadena, California.



- 2009** Beamer, P., Luik, C.E.\*\*\*, Leckie, J.O. “Quantified Outdoor Micro-activity Data for Children Aged 7-12 Years Old.” Presented at the International Society of Exposure Science conference, Minneapolis, Minnesota.
- 2009** Ascher, R.M.\*\*\*, Rosen, J.C., Odegaard, N., Beamer, P.I., “Potential Incidental Heavy Metal Ingestion While Using Art Pastels.” Presented at the International Society of Exposure Science conference, Minneapolis, Minnesota.
- 2009** Beamer, P.I., Kelly, M.\*\*\*, Layton, D.W. “Development and Evaluation of a Modeling Framework for Transport of Soil Contaminants to the Indoor Environment.” Presented at the International Society of Exposure Science conference, Minneapolis, Minnesota.
- 2009** Vivanco, S.\*\*\*, Beamer, P. “Spatial Relationship between Pediatric Asthma, Asthma Risk Factors and Diesel Pollutants.” Presented at the Annual Biomedical Research Conference for Minority Students in Phoenix, Arizona.
- 2010** Beamer, P., Ascher, R.\*\*\*, Stern, D.A., Sherrill, D., Wright, A.L., Martinez, F.D. “Spatial Relation of Traffic-Related Pollutants and Early Childhood Respiratory Illnesses and Wheezing in Tucson Arizona.” Presented at the American Thoracic Society conference, New Orleans, Louisiana.
- 2011** Beamer, P., Kelly, M.\*\*\*, Sugeng, A.\*\*\*, Layton, D.W. Use of house dust and soil ratios to prioritize elements for future air quality investigations. Proceedings of the Indoor Air Conference, Austin, TX.
- 2011** Sugeng, A.J.\*\*\*, Beamer, P.I., Lutz, E.A., Rosales, C.B. “Pathways of Pesticides into Farmworkers’ Homes in Yuma, Arizona.” Presented at Eliminating Health and Safety Disparities at Work conference in Chicago, IL.
- 2011** Beamer, P.I., Luik, C.E.\*\*\*, Abrell, L., Campos, S., Martinez, M.E., Saez, A.E. “Concentration of Trichloroethylene in Breast Milk and Household Water from Nogales, Arizona.” Presented at the International Society of Exposure Science conference, Baltimore, MD.
- 2011** Ramírez-Andreotta, M.D.\*\*\*, Maier, R.M., Artiola, J.F., Brusseau, M.L., Beamer, P., Reynolds, K. “Assessing the Potential Risk of Metal(loid) Exposure from Consumption of Home Produced Vegetables Near the Iron King Humboldt Smelter Superfund Site, Dewey-Humboldt Arizona.” Presented at the International Society of Exposure Science conference, Baltimore, MD.
- 2011** Beamer, P.I., Elish, C.A.\*\*\*, Roe, D.J., Loh, M.M., Layton, D.W. “Differences in metal Concentration by Particle Size in House Dust and Soil.” Presented at the International Society of Exposure Science conference, Baltimore, MD.
- 2011** Tsou, M.C.\*\*\*, Chien, L.C., Ozkaynak, H., Beamer, P., Dang W. “Mouthing frequency of children under 2 years old in Taiwan.” Presented at the Society for Risk Analysis conference, Charleston, South Carolina.
- 2012** Beamer, P.I., Ascher, R.\*\*\*, Stern, D.A., Sherrill, D., Lu, Z., Wright, A.L., Martinez, F.D. Association of Diesel Particulate Matter Exposure and Wheezing Lower Respiratory Tract Illnesses in Early Life. Presented at NIEHS Environmental Health Sciences Core Centers Meeting in Boston, MA.
- 2012** Beamer, P.I., Ascher, R.\*\*\*, Stern, D.A., Lu, Z., Wright, A.L., Martinez, F.D. “Spatial Cluster Analysis Of Childhood Lower Respiratory Illnesses And Diesel Exposure In Tucson, Arizona.” Presented at the American Thoracic Society conference, San Francisco, CA.

- 2012** Sugeng, A.J.\*\* , Beamer, P.I., Lutz, E.A., Rosales, C.B. “Agricultural Pesticide Hazard Ranking Schemes for Chronic Health Effects in Yuma County, Arizona.” Presented at the National Latino Cancer Summit, San Francisco, CA.
- 2012** Beamer, P., Sugeng, A.\*\* , Lutz, E., Rosales, C. “Disparity in Spatial Distribution of Hazard Adjusted Pesticide Application Density in a US-Mexico Border Community.” Presented at the International Society of Exposure Science conference, Seattle, WA.
- 2012** Sifuentes, L., Beamer, P.I., Plotkin, K.R.\*\* , Gerba, C.P., Koeing, D.W., Reynolds, K.A. “Risk Modeling of Human Viruses on Fomites and the Impact of a Healthy Workplace Intervention.” Presented at the International Society of Exposure Science conference, Seattle, WA.
- 2012** Sugeng, A.J.\*\* , Beamer, P.I., Lutz, E.A., Rosales, C.B. “Characterization of Agricultural Pesticides in Farmworkers’ Homes in a U.S.-Mexico Border Community.” Presented at the International Society of Exposure Science conference, Seattle, WA.
- 2012** Chien, L., Dang, W., Özkaynak, H., Tsou, M.\*\* , Hseu, Z., Hsi, H., Bradham, K., Beamer, P. “Overall Review of Child-specific Exposure Factors in Taiwan.” Presented at the International Society of Exposure Science conference, Seattle, WA.
- 2012** Victory, K.\*\* , Larson, D.\*\* , Cabrera, N., Reynolds, K., Beamer, P. “Comparison of Fluoride Levels in Tap and Bottled Water in a U.S.-Mexico Border Community.” Presented at the International Society of Exposure Science conference, Seattle, WA.
- 2012** Chien, J.L., Dang, W., Özkaynak, H., Tsou, M.\*\* , Hseu, Z., Hsi, H., Bradham, K., Beamer, P. “Hand and Object to Mouth Contact Activities and Non-Dietary Soil and Dust Ingestion Rates for Young Children in Taiwan.” Presented at the Society for Risk Analysis conference, Seattle, WA.
- 2013** Sugeng, A.\*\* , Klimecki, W., Beamer, P., Lothrop, N., Cox, M., Wilkinson, S., Loh, M. “Assessing Metal Exposure in the Community Surrounding the Iron King Superfund Site.” Airborne Mineral Dust Contaminants: Impact on Human Health and the Environment Conference, Tucson AZ.
- 2013** Beamer, P.I., Waltz, A.N.\* , Wolf, A.M.A., Lutz, E., Betterton, E.A. “Concentration of Volatile Organic Chemicals in Small Businesses Located in a Low-Income Latino Community.” Presented at the Joint Conference for International Society of Exposure Science, International Society of Environmental Epidemiology, and International Society of Indoor Air Quality, Basel Switzerland.
- 2013** Beamer, P.I., Sugeng, A.J.\*\* , Layton, D.L., Loh, M. “Use of dust fall filters as passive samplers for concentrations in air for communities near contaminated mine tailings.” Presented at the Joint Conference for International Society of Exposure Science, International Society of Environmental Epidemiology, and International Society of Indoor Air Quality, Basel Switzerland.
- 2013** Beamer, P.I., Sugeng, A.J.\*\* , Lothrop, N., Klimecki, W., Wilkinson, S.T., Loh, M. “Airborne metal concentrations measured using passive samplers in community near contaminated mine tailings.” Presented at the Joint Conference for International Society of Exposure Science, International Society of Environmental Epidemiology, and International Society of Indoor Air Quality, Basel Switzerland.
- 2013** Sugeng, A.J.\*\* , Beamer, P.I., Klimecki, W., Lothrop, N., Cox, M., Wilkinson, S.T., Loh, M. “Comparison of Inter-Home and Intra-Homes Variance of Arsenic in Children’s Urine for Households Near a Hazardous Waste Site.” Presented at the Joint Conference for International Society of Exposure Science, International Society of Environmental Epidemiology, and International Society of Indoor Air Quality, Basel Switzerland.
- 2013** Lothrop, N., Sugeng, A.J.\*\* , Beamer, P.I., Klimecki, W., Cox, M., Wilkinson, S.T., Loh, M. “Relationship of Arsenic Concentration in Residential Yard Soil, Home Location, and

Topography in a Community near a Superfund Site.” Presented at the Joint Conference for International Society of Exposure Science, International Society of Environmental Epidemiology, and International Society of Indoor Air Quality, Basel Switzerland.

- 2013** Loh, M., Sugeng, A.\*\*, Lothrop, N., Klimecki, W., Cox, M., Wilkinson, S., Beamer, P. “Multimedia Exposure to Metals Near a Mine Tailings Site.” Presented at the Joint Conference for International Society of Exposure Science, International Society of Environmental Epidemiology, and International Society of Indoor Air Quality, Basel Switzerland.
- 2013** Sugeng, A.\*\*, Beamer, P.I., Lutz, E.A., Rosales, C.B. “Hazard-Ranking of Agricultural Pesticides for Chronic Health Effects in Yuma County, Arizona.” Presented at the Joint Conference for International Society of Exposure Science, International Society of Environmental Epidemiology, and International Society of Indoor Air Quality, Basel Switzerland.
- 2013** Victory, K.\*\*, Cabrera, N.L., Larson, D.\*\*, Latura, J., Reynolds, K., Beamer, P. “Risk Perception of Drinking Water Quality in a U.S.-Mexico Border Community.” Presented at Society for Risk Analysis Annual Conference, Baltimore, MD.
- 2013** Sugeng, A.\*\*, Klimecki, W., Beamer, P., Lothrop, N., Cox, M., Wilkinson, S., Loh, M. “Assessing Metal Exposure in the Community Surrounding the Iron King Superfund Site.” Presented at Superfund Research Program Annual Meeting, Baton Rouge, LA.
- 2014** Loh, M., Sugeng, A.\*\*, Lothrop, N., Klimecki, W., Cox, M., Wilkinson, S., Beamer, P. “Multi-media Exposure to Metals Near a Mine Tailings Site.” Presented at Society of Toxicology, Phoenix, AZ.
- 2014** Victory, K.\*\*, Cabrera, N.L., Larson, D.\*\*, Latura, J., Reynolds, K., Beamer, P. “Risks and risk perceptions related to drinking bottled water.” Presented at Risk, Perception and Response Conference, Harvard University, Boston, MA.
- 2014** Lothrop, N., Wilkinson, S.T., Moreno Ramírez, D., Sugeng, A.\*\*, Beamer, P., Loh, M. “Community engagement and research translation at the Iron King Mine and Humboldt Smelter Superfund Site in Dewey-Humboldt, Arizona.” Presented at 74<sup>th</sup> Annual Meeting of the Society for Applied Anthropology, Session on Safety Culture in the Context of Environmental Health Sciences, Albuquerque, NM.

*At current rank:*

- 2014** Beamer, P., Lothrop, N., Stern, D.A., Billheimer, D., Wright, A.L., Martinez, F.D. “Wheezing lower respiratory illnesses associated with diesel exposure in children of younger mothers.” Presented at American Thoracic Society conference, San Diego, CA.
- 2014** Loh, M., Lothrop, N., Sugeng, A.\*\*, Felix, O.\*\*, Betterton, E., Saez, A.E., Klimecki, W., Wilkinson, S., Beamer, P. “Environmental Exposures to Children at a Legacy Mine Site.” Presented at International Society of Exposure Science, Cincinnati, OH.
- 2014** Ernst, K., Beamer, P.I. “Relationship of mosquito density and particle loading from cooking fires in Kenya.” Presented at International Society of Exposure Science, Cincinnati, OH.
- 2014** Sugeng, A.\*\*, Canales, R., Lutz, E., Rosales, C., Beamer, P.I. “Exploring the Influence of Household and Housing Characteristics on Transport of Agricultural Pesticides into Farmworkers’ Homes.” Presented at International Society of Exposure Science, Cincinnati, OH.
- 2014** Victory, K.R.,\*\* Reynolds, K.A., Cabrera, N.L., Larson, D.,\*\* Latura, J., Burgess, J.L., Beamer, P.I. “Comparison of Chemical and Microbial Contaminants in Tap, Bottled and Vended Water in a U.S.-Mexico Border Community.” International Society of Exposure Science, Cincinnati, OH.

- 2014** Sugeng, A.\*\* , Canales, R., Lutz, E., Rosales, C., Beamer, P.I. " Using Chemical Characteristics to Explain Transport Pathways of Agricultural Pesticides from the Field into Homes." International Society of Exposure Science, Cincinnati, OH.
- 2014** Ornelas, Y.\*\* , Reynolds, K., Abrell, L., Grigera, S.\*\* , Beamer, P. "Microbial and Inorganic Contamination in Private Wells along the Santa Cruz River, Arizona." International Society of Exposure Science, Cincinnati, OH.
- 2014** Lothrop, N., Hussaini, K., Billheimer, D., Beamer, P. "Childhood Respiratory Illness Prevalence and Geographic Risk Factors in Southern Arizona." International Society of Exposure Science, Cincinnati, OH.
- 2014** Lothrop, N., Wilkinson, S.T., Klimecki, W., Beamer, P., Sugeng, A.\*\* , Loh, M. "Developing Community-Engaged Results Report-back Materials for an Environmental Exposure Study in a Rural Arizona Community near a Superfund Site." International Society of Exposure Science, Cincinnati, OH.
- 2014** Sugeng, A.\*\* , Beamer, P.I., Lothrop, N., Wilkinson, S.T., Klimecki W., Loh, M.M. "Assessing the Potential for Metals Transport into Homes Surrounding a Legacy Mining Superfund Site." Superfund Research Program Annual Meeting. San Jose, CA.
- 2015** Beamer, P., Guerra, S., Lothrop, N., Stern, D.A., Lu, Z., Billheimer, D., Halonen, M., Wright, A.L., Martinez, F.D. "Childhood CC16 Levels Are Associated With Diesel Exposure At Birth." American Thoracic Society, Denver, CO.
- 2015** Sugeng, A.\*\* , Canales, R.\*\* , Lutz, E., Rosales, C., Beamer, P. "Modeling the Transport of Agricultural Pesticides into Farmworkers' Homes." International Society of Exposure Science, Henderson, NV.
- 2015** Beamer, P., Loh, M., Lu, Z., Sugeng, A.\*\* , Lothrop, N.\*\* , Billheimer, D., Klimecki, W. "Association of Children's Urinary CC16 Levels with Arsenic Concentrations in Multiple Environmental Media." International Society of Exposure Science, Henderson, NV.
- 2015** Van Horne, Y.O.\*\* , Canales, R., Lothrop, N.\*\* , Loh, M., Klimecki, W., Sugeng, A.\*\* , Beamer, P. "Influence of household and housing factors on dust levels inside residences near a legacy mine." International Society of Exposure Science, Henderson, NV.
- 2015** Van Horne, Y.O.\*\* , Bell, M., Lothrop, N.\*\* , Wilkinson, S.T., Klimecki, W., Loh, M., Sugeng, A.\*\* , Beamer, P.I. "Dietary predictors of urinary arsenic concentration for children living in a rural Arizona community." International Society of Exposure Science, Henderson, NV.
- 2015** Solo-Gabriele, H.M., Harwood, V.J., Ferguson, A., Byrne, A., Mena, K.D., Becker, A., Omachonu, V., Axelrad, D.M., Beamer, P., Buckley, B., Bursac, B., Canales, R., DiGiovanni, G.D., Dutton, M., Elmir, S., Gurian, P., Hollenbeck, J., Johnson, L., Kirkpatrick, B., Klaus, J., Lopez, I., Mormann, M., Plano, L.W., Rodriguez, R.A., Sadowsky, M., Shalat, S., Solo-Josephson, P., Studts, J.L., Suther, S., Tarwater, P., Weidhaas, J., Wright, A., Approach for Improved Public Health Guidance for Beach Use During and After Oil Spills. Abstracts of the 2015 Gulf of Mexico Oil Spill & Ecosystem Science Conference.
- 2016** Carr, T.F., Beamer, P.I., Rothers, J., Stern, D.A., Gerald, L.B., Rosales, C.B., Vercelli, D., Gameros, M., Halonen, M., Martinez, F.D., Wright, A.L. "Prevalence of Asthma in Adolescents Across the Arizona-Sonora Border Using ISAAC Written and Video Questionnaires." American Thoracic Society, San Francisco, CA.
- 2016** Chief, K., Beamer, P.I. "Building community partnerships to develop a time-sensitive NIEHS project: Gold King Mine Spill Impacts on Navajo Communities." Native Research Network 26<sup>th</sup> National Native Health Research Conference, Cherokee, NC.

- 2016** Lopez-Galvez, N.,\* Wagoner, R.,\*, Beamer, P.I. “Exposure to heat and pesticides in migrant grape workers of Mexico.” SCERC Fall Workshop, UCLA, Los Angeles, CA.
- 2017** Ingram, J.C., Beamer, P., Chief, K. “Collaborative Field Research: A Gateway for Undergraduate Research Experiences.” American Chemical Society, San Francisco, CA.
- 2017** Lothrop, N.\*\*, Bell, M., Brown, H., Furlong, M., Guerra, S., O'Rourke, M.K., Beamer, P.I. “Modeling Historic Air Pollution Concentrations with Land Use Regression in Tucson, AZ.” International Society of Exposure Science Conference, Research Triangle Park, NC.
- 2017** Furlong, M., Beamer, P.I. “Improving Spatial Resolution of Pesticide Applications from Arizona’s Pesticide Use Reporting System.” International Society of Exposure Science Conference, Research Triangle Park, NC.
- 2017** Beamer, P.I., Ingram, J.C., Chief, K. “Community Driven University Partnerships to Assess Exposures and Risk Perceptions of Diné Communities following the Gold King Mine Spill.” International Society of Exposure Science Conference, Research Triangle Park, NC.
- 2017** Ornelas Van Horne, Y. \*\*, Chief, K., Begay, M. +, Lothrop, L. \*\*, Teufel-Shone, N., Beamer, P.I., “Quantification of Diné activity patterns with the San Juan River in the wake of the Gold King Mine Spill.” International Society of Exposure Science Conference, Research Triangle Park, NC.
- 2017** Lopez-Galvez, N. I.\*\*, Wagoner, R.\*\*, Beamer, P. I., de Zapien, J., Rosales, C., Ortega, I., Aranda, P. “A Pilot Study on Migrant Grape Workers Exposure to Pesticides in Sonora, Mexico.” International Society of Exposure Science Conference, Research Triangle Park, NC.
- 2017** Wagoner, R.\*\*, Lopez-Galvez, N. I.\*\*, Beamer, P. I., de Zapien, J., Rosales, C., Ortega, I., Aranda, P. “Heat and Hydration Assessment of Migrant Grape-Workers in Sonora, Mexico.” International Society of Exposure Science Conference, Research Triangle Park, NC.
- 2017** Lothrop, N.\*\*, Hussaini, K., Billheimer, D., Beamer, P. I. “Community-Level Characteristics and Environmental Factors of Child Respiratory Illnesses in Southern Arizona.” International Society of Exposure Science Conference, Research Triangle Park, NC.
- 2017** Pine, B.+ , Chief, K., Begay, M.G. +, Ornelas van Horne, Y.,\*\* Lothrop, N.\*\*, Billheimer, D., Ingram, J., Murphy, M., Beamer, P.I. “Honoring traditional knowledge in understanding short term exposures of Navajo communities after the Gold King Mine Spill.” First Annual National Native Health Training Conference, Denver, CO.
- 2017** Ingram, J., Chief, K., Torabzadehkhorsani, E., Lothrop, N.\*\*, Billheimer, D., Ornelas van Horne, Y.\*\* , Settimo, A. \*\*, Beamer, P.I. “Tó’Lítso, the water is yellow: Water, agricultural, and sediment quality results of the San Juan River on the Navajo Nation one year after the Gold King Mine Spill.” Navajo Nation Human Research Review Board Conference, Window Rock, AZ.
- 2017** Beamer, P.I., Ingram, J.C., Chief, K. “Community Driven University Partnerships to Assess Exposures and Risk Perceptions of Diné Communities following the Gold King Mine Spill.” Annual Grantees Meeting for the NIH/EPA Centers of Excellence on Environmental Health Disparities Research, Albuquerque, NM.
- 2017** Ornelas Van Horne, Y. \*\*, Chief, K., Begay, M. +, Lothrop, L. \*\*, Teufel-Shone, N., Beamer, P.I. “Quantification of Diné activity patterns with the San Juan River in the wake of the Gold King Mine Spill.” Annual Grantees Meeting for the NIH/EPA Centers of Excellence on Environmental Health Disparities Research, Albuquerque, NM.
- 2017** Chief, K., Ingram, J., Ornelas Van Horne, Y. \*\*, Billheimer, D., Begay, M. +, Torabzadehkhorsani, E., Settimo, A., Lothrop, L. \*\*, Beamer, P.I. “Incorporating Diné

- Perspectives in Assessing Temporal and Spatial Changes of Contaminants after the Gold King Mine Spill in Navajo Agricultural Communities.” American Geophysical Union Fall Meeting, New Orleans, LA.
- 2018** Madera-Garcia, V., Beamer, P., Werner, J.D., Verhougstraete, M. “Legionella is a Miner Issue.” University of North Carolina Water Microbiology conference, Chapel Hill, NC.
- 2018** Woodruff, T., Buckley, J., Balshaw, D., Barrett, E., Beamer, P., Bloom, M., Bradman, A., Fennel, T., Fry, R., Funk, W., Gleason, K.M., Hamra, G., Heaney, C., Iyer, S., Karagas, M., Lyall, K., Pellizzari, E., Starling, A., Wang, A., Watkins, D. “Prioritizing chemicals for biomonitoring in ECHO to maximize public health impact.” Joint meeting of the International Society of Exposure Science and the International Society of Environmental Epidemiology, Ottawa, Canada.
- 2018** Bennett, D., Pellizzari, E., Balshaw, D., Beamer, P., Boyles, B., Bradman, A., Buckley, J., Fennel, T., Guallar, E., Kannan, K., Miller, R., Wang, A., Zhu, Y., Woodruff, T. “Mapping Chemicals across Routes of Exposure and Body Burden Data Gaps and Opportunities for ECHO.” Joint meeting of the International Society of Exposure Science and the International Society of Environmental Epidemiology, Ottawa, Canada.
- 2018** Beamer, P., Furlong, M., Guerra, S., Lothrop, N.,\*\* O’Rourke, M.K., Stern, D.A., Zhai, J., Billheimer, D., Halonen, M., Wright, A.L., Martinez, F.D. “CC16 levels into adult life are associated with nitrogen dioxide exposure at birth.” Joint meeting of the International Society of Exposure Science and the International Society of Environmental Epidemiology, Ottawa, Canada.
- 2018** Ryan, P., Brokamp, C., Blossom, J., Lothrop, N.,\*\* Beamer, P., Miller, R., Visness, C., Zanobetti, A., Gold, D., Gern, J. “A Novel Distributed Approach to Characterize Community Characteristics and Environmental Exposures in the Multi-Site Children’s Respiratory and Environmental Workgroup (CREW).” Joint meeting of the International Society of Exposure Science and the International Society of Environmental Epidemiology, Ottawa, Canada.
- 2018** Lothrop, N.,\*\* López-Gálvez, N., Brown, H., Guerra, S., O’Rourke, M.K., Beamer, P. “Escape to America: Adapting European Study for Cohorts for Air Pollution Effects (ESCAPE) Methods to the Desert Southwestern US.” Joint meeting of the International Society of Exposure Science and the International Society of Environmental Epidemiology, Ottawa, Canada.
- 2018** López-Gálvez, N., Canales, R., Wong, P., Bradman, A., Leckie, J.O., Beamer, P. “Quantified Micro-Level Activity Data for Children Aged 1-12 Years Old Playing on Turf and Playgrounds.” Joint meeting of the International Society of Exposure Science and the International Society of Environmental Epidemiology, Ottawa, Canada.
- 2018** Ornelas Van Horne, Y.,\*\* Chief, K., Begay, M.G., Canales, R., Lothrop, N., Teufel-Shone, N., Beamer, P. “Incorporating Unique Exposure Pathways of the Diné People into a Community-Based Probabilistic Risk Assessment Following the Gold King Mine Spill.” Joint meeting of the International Society of Exposure Science and the International Society of Environmental Epidemiology, Ottawa, Canada.
- 2019** Lothrop, N.,\*\* Sandoval, F., Cortez, I., Wagoner, R.,\*\* Lopez-Galvez, N.,\*\* Parra, K., \*\* Wolf, A.M., Wertheim, B.C., Lee, A.,\*\* Griffin, S., Bell, M., Carvajal, S., Ingram, M., Beamer, P. “The Feasibility of Identifying and Quantifying Worker Exposures to Volatile Organic Chemicals in Beauty Salons and Auto Shops in the Southwestern USA.” Grantees Meetings for NIH/NIEHS Research to Action Conference, Research Triangle Park, NC.
- 2019** Beamer, P., Wagoner, R.,\*\* López-Gálvez, N.,\*\* Lothrop, N.,\*\* Sandoval, F., Parra, K.,\*\* Wertheim, B., Lee, A.,\*\* Griffin, S., Cortez, I., Bell, M., Wolf, A.M. “Concentration of Volatile Organic Compounds in Small Auto Repair Shops Located in a Low-Income Latino Community.”

Joint meeting of the International Society of Exposure Science and the International Society of Indoor Air Quality and Climate, Kaunas, Lithuania.

- 2019** Beamer, P., Wagoner, R.,\*\* Lopez-Galvez, N.,\*\* Lothrop, N.,\*\* Sandoval, F., Parra, K.,\*\* Wertheim, B., Lee, A.,\*\* Griffin, S., Cortez, I., Bell, M., Wolf, A.M. “Concentration of Volatile Organic Compounds in Small Beauty Salons Located in a Low-Income Latino Community.” Joint meeting of the International Society of Exposure Science and the International Society of Indoor Air Quality and Climate, Kaunas, Lithuania.
- 2019** López-Gálvez, N.,\*\* Wagoner, R.,\*\* Canales, R., de Zapien, J., Rosales, C., Beamer, P. “Imidacloprid Exposure in Grape Workers.” Joint meeting of the International Society of Exposure Science and the International Society of Indoor Air Quality and Climate, Kaunas, Lithuania.
- 2019** Lothrop, N.,\*\* Sandoval, F., Cortez, I., Wagoner, R.,\*\* Lopez-Galvez, N.,\*\* Parra, K., \*\* Wolf, A.M., Wertheim, B.C., Lee, A.,\*\* Griffin, S., Bell, M., Carvajal, S., Ingram, M., Beamer, P. “The Feasibility of Identifying and Quantifying Worker Exposures to Volatile Organic Chemicals in Beauty Salons and Auto Shops in the Southwestern USA.” Joint meeting of the International Society of Exposure Science and the International Society of Indoor Air Quality and Climate, Kaunas, Lithuania.
- 2019** Van Horne, Y.O.,\*\* Chief, K., Canales, R., Begay, M., Beamer, P. “A community-based probabilistic risk assessment for the Diné people impacted by the Gold King Mine Spill.” Joint meeting of the International Society of Exposure Science and the International Society of Indoor Air Quality and Climate, Kaunas, Lithuania.
- 2019** López-Gálvez, N., Wagoner, R., Canales, R., Beamer, P.I. “Characterizing Environmental and Occupational Exposures Associated to Kidney Function among Migrant Farm workers in Mexico: A Study Protocol.” Annual meeting of the International Society of Environmental Epidemiology, Utrecht, Netherlands.
- 2019** Chief, K., Hou, X., Ingram, J., Beamer, P., Froyum, J.D., Van Horne, Y.O., Billheimer, D., Teufel-Shone, N. “To'Litso the Water Is Yellow: Arsenic and Lead in Sediment and Agricultural Soil Along the San Juan River on the Navajo Nation One Year after the Gold King Mine Spill.” SSSA International Soils Meeting, San Diego, CA.

\*\* Indicates student author

· Indicates community author

## GRANTS AND CONTRACTS:

### Federal:

- 2010-2011** *Western Mining Safety and Health Resources Center.* CDC/NIOSH U60 OH10014 (Poulton/Burgess). Total Costs: \$1,618,834 (for 3 years). Role: Health Expert (6% effort). Only participated in years 2010-2011 to avoid overlap with K25.
- 2011** *Maternal Child Health Public Health Training Program.* HRSA T76 MC 04925 (Gerald/Garcia). Direct Costs: \$1,736,297 (for 5 years). Role: Faculty Trainee (4% effort).

- 2011-2016** *Relating Diesel Exhaust Exposure to Respiratory and Immune Outcomes in Early Life.* Mentored Quantitative Research Development Award. NIH/NHLBI K25 HL103970. Total Costs: \$666,107. Role: Principal Investigator (75% effort).
- 2012-2015** *Metals Exposure Study in Homes, Project within: Hazardous waste and risk and remediation in the Southwest.* NIH/NIEHS P42 ES4940 (Maier). Total Costs (for Project): \$327,116. Role: Co-Investigator (5% effort).
- 2015-2020** *Center for Indigenous Environmental Health Research (CIEHR).* NIEHS/EPA P50 ES2026089 (Burgess). Direct Costs: \$745,211 (year 1 only). Role: co-Investigator (5% effort years 3-5).
- 2015-2016** *Evaluation of the Environmental Health Status along the Arizona-Sonora Border.* US EPA Border 2020/BECC. Direct Costs: \$37,975. Role: sub-contract PI (2.5% effort).
- 2016-2018** *Tó'Litso, the water is yellow: Investigating Navajo exposure to the Gold King Mine toxic spill.* NIH/NIEHS R21 ES026948. Total Costs: \$434,139. Role: Contact Principal Investigator (10% effort).
- 2016-2023** *Children's Respiratory and Environmental Workgroup.* NIH/Office of the Director UG3 OD023282 (Gern). Total Costs: \$118,112 (Year 1). Role: Arizona Site co-Investigator (10% effort, starting year 2).
- 2017** *Diversity Supplement to Center for Indigenous Environmental Health Research (CIEHR).* NIEHS/EPA P50 ES2026089 (Burgess). Total Costs: \$45,634. Role: co-Mentor
- 2016-2022** *El Trabajo no te Debe Dañar: Reduction of Hazardous Exposures in Small Businesses through a Community Health Worker Intervention.* NIH/NIEHS R01 ES028250. Total Costs: \$2,982,521. Role: Principal Investigator (17% effort).
- 2018-2023** *Southwest Environmental Health Sciences Center.* NIH/NIEHS P30 ES006694. Total Costs: \$6,900,000. Role: co- Investigator (10% effort). Principal Investigator: Nathan Cherrington

Industry:

- 2011** *Office Hygiene Study.* Industry: Kimberly Clark Corporation (Reynolds/Gerba). Total Costs: \$85, 907. Role: Co-Investigator (8% effort).
- 2019-2020** *Occupational Health in Agriculture.* Agricola Alta Pozo Manuels, S.A. de C.V. Total Costs: \$189,032,98. Role: Principal Investigator.

Other Extramural:

- 2010-2012** *Pesticide Sampling of Farmworkers' Homes in Yuma, AZ: Implications for Interventions to Reduce Exposures.* ERC Small/Pilot Project Program Grant from UCLA funded via CDC/NIOSH T42 OH00841. Total Costs: \$20,520. Role: Principal Investigator/Advisor.
- 2015-2016** *An Observational Study of the Effect of Heat Stress on Pesticide Exposure in Migrant Farmworkers in Sonora, Mexico.* ERC Small/Pilot Project Program Grant from UCLA funded via CDC/NIOSH T42 OH00841. Total Costs: \$14,481.72. Role: Mentor Principal Investigator.
- 2016-2017** *Arizona's Pesticide Use Registry and Vital Statistics Birth Certificates: A Rich Potential Resource for Studies of Associations Between Pesticides and Health Outcomes Among Farmworkers.* Western Center for Agricultural Health and Safety Small Grant Program



from UC Davis funded via CDC/NIOSH 2U54OH007550. Total Costs: \$26,000. Role: co-Principal Investigator.

- 2017-2018** *Conducting Observational Studies for Quantification of Sport and Non-Sport Related Activity Patterns on and by Synthetic Turf Fields.* California Office of Environmental Health Hazard Assessment. Total Costs: \$95,914.69. Role: Principal Investigator.
- 2019** *Characterizing Renal Functioning and Occupational Risk Factors in Migrant Farmworkers.* ERC Small/Pilot Project Program Grant from UCLA funded via CDC/NIOSH T42 OH00841. Total Costs: \$14,982. Role: Mentor Principal Investigator.
- 2019-2020** *Drinking Water Quality Assessment.* Pima County Health Department. Total Costs: \$20,082. Role: Principal Investigator.

Intramural:

- 2008-2009** *Migration of Soil Particles to the Indoor Environment: Implications for Risk Assessment.* TRIF-WESP Superfund Pilot Project Program. Total Costs: \$39,969.36. Role: Principal Investigator. Co-Principal Investigator: David Layton.
- 2008-2009** *Water Contaminant Exposure and Risk Assessment Laboratory.* Water Sustainability Program, Recruitment and Research Initiative Proposal FY09, Infrastructure Investment. Direct Costs: \$145,560. Role: Principal Investigator.
- 2009-2010** *Characterization of Infant's Exposure to Trichloroethylene: Implications for Cancer.* Funded by the Arizona Cancer Center via the American Cancer Society Institutional Research Grant. Direct Costs: \$22,500. Role: Principal Investigator.
- 2009-2010** *Spatial Analysis of Traffic-Related Exposures and Respiratory Outcomes.* Southwest Environmental Health Sciences Center (NIH/NIEHS ES 006694) Pilot Project Program. Direct Costs: \$39,902.42. Role: Principal Investigator.
- 2010-2011** *Outdoor Pesticide Sampling in Yuma: Implications for Interventions to Reduce Farmworker Families' Exposures.* Young Investigator Research Award. Yuma Friends of Arizona Health Sciences Center. Direct Costs: \$3,000. Role: Principal Investigator.
- 2011-2012** *Risk Perception, Drinking Water Source and Quality in a Low-Income Latino Community Along the US-Mexico Border.* Faculty Research Grant from Water, Environment, and Energy Solutions Initiative Funded by the Technology Research Initiative Fund. Direct Costs: \$39,157.80. Role: Principal Investigator. Co-Principal Investigators: Nolan Cabrera and Kelly Reynolds.
- 2015-2017** *Metals Exposure Study in Homes.* UA Center for Environmentally Sustainable Mining (CESM). Annual Direct Costs: \$50,000. Role: Principal Investigator.
- 2015-2016** *Development of land use regression models for estimating retrospective and prospective air pollution exposure in Tucson.* UA Bio5 Institute (TRIF) and Southwest Environmental Health Sciences Center (NIEHS). Direct Costs: \$56,566. Role: Principal Investigator.
- 2016** *Purchase of an Agilent 8900 Inductively Coupled Plasma Mass Spectrometer to Support UA Initiatives,* Core Facility Equipment Enhancement Fund Proposal, Office of Research and Discovery (Chorover). Direct Costs: \$291,665.63. Role: co-Principal Investigator.
- 2016** *K'é bee da'ahiiniita: Strength through the Navajo clan system to response to the Gold King Mine Spill.* Agenese Nelms Haury Program in Environment and Social Justice,

Challenge Grant Finalist. Pilot Project. Direct Costs: \$10,000. Role: co-Principal Investigator.

**2016-2019** *K'é bee da'ahiiniita: Strength through the Navajo clan system to response to the Gold King Mine Spill.* Agenese Nelms Haury Program in Environment and Social Justice, Challenge Grant. Total Costs: \$600,000. Role: co-Principal Investigator.

**2016-2017** *Binational Asthma Birth Cohort Pilot Project.* University of Arizona Health Sciences Multidisciplinary Program Feasibility Award (Wright/Vercelli/Rosales). Direct Costs: \$100,000. Role: co-Investigator.

**2018** *Equipment for assessing Tucson urban air quality.* Water, Environment, and Energy Solutions Initiative Funded by the Technology Research Initiative Fund. Direct Costs: \$202,000. Role: co-Investigator. Principal Investigator: Eric Betterton

**2018-2019** *Evaluation of pediatric respiratory toxicity by arsenic exposure through various environmental media.* Southwest Environmental Health Sciences Center (NIEHS). Direct Costs: \$38,335. Role: co-Investigator. Principal Investigator: M. Mercedes Meza Montenegro.

*Intramural In-Kind Support Awards:*

**2016-2017** Project "*Tó'Éitso, the water is yellow: Investigating Navajo exposure to the Gold King Mine toxic spill*" selected to be part of the *Data Management and Curation (DMDC) Pilot Project*, Office of Research and Discovery. In-kind support: \$30,000.