



Environmental Health Disparities and Environmental Justice Meeting

July 29-31, 2013 | NIEHS, Bldg. 101, Rodbell Auditorium | Research Triangle Park, NC

Speaker Bios

Barbara Allerton, *Pennsylvania Department of Health*

Workshop Presenter: "Community Outreach and Collaboration with Philadelphia Inner City Neighborhoods Impacted by Former Lead Smelters"

Barbara Allerton, M.P.H., has been with the Pennsylvania Department of Health since 1989, working in the Bureau of Community Health Systems for seven years, and then moving to the Health Assessment Program. Her responsibilities at the Pennsylvania Department of Health are to provide health education to community members about the health effects of hazardous substances, on how to reduce their exposure to hazardous substances, and to provide health professional education to health care providers serving communities impacted by hazardous waste sites. She has written site-specific fact sheets and conducted health care provider education for many Superfund and other hazardous waste site communities. Also, she has partnered with citizen and stakeholder workgroups on numerous sites.

Beth Anderson, *National Institute of Environmental Health Sciences*

Session Moderator: "Community Experience of Contaminated Communities: Contributions from the Social Sciences"

Serving as a program analyst for the Superfund Research Program, Beth Anderson, M.A., seeks varied avenues for the application of the research that the program supports. By-lines for the program such as 'research-to-relevance,' 'connect-the-dots,' or recently 'problem-based, solution-oriented research' reflect her goal of ensuring that SRP research outcomes have application to real world issues. In support of this goal, two areas that she currently pursues are partnering with other federal agencies and actively encouraging and advocating for the research translation of the science by our grantees.

Anderson is also committed to advancing the SRP community engagement component of the program. Over the last few years, she has been involved in the enhancement of SRP Community Engagement Cores and now promotes the visibility of these efforts to a user community that is positioned to gain from SRP research advances. Currently, she is involved in the coordination of the SRP community engagement cores and integrates these core activities with the NIEHS Partnerships for Environmental Public Health (PEPH) program. Anderson received a Master of Art in liberal studies from Duke University.

Emily Anderson, Loyola University Chicago

Presenter: “Institutional Review Boards and Community Engaged Research: How can Universities and Community Organizations Work Together to Strengthen the Ethics Review of Community Based Research?”

Emily E. Anderson, Ph.D., is an assistant professor in the Neiswanger Institute for Bioethics. Her areas of interest and expertise include ethical issues in community engaged research; research with vulnerable populations; research ethics and institutional review board (IRB) policy; ethical issues related to emerging biotechnologies; ethical issues in public health and health disparities; and the application of qualitative research techniques to the study of research ethics. She also over seven years of experience serving on an IRB and is a member of the faculty of Public Responsibility in Medicine and Research (PRIM&R). Anderson is also a co-investigator on several federally-funded research and educational projects and developer of CIRTification: Community Involvement in Research Training (<http://go.uic.edu/CIRTification>), a training program in human research protections that is tailored to the unique roles of community research partners.

Thomas Arcury, Wake Forest School of Medicine

Presenter: “Challenges and Opportunities for Supporting Community Based Research to Address Environmental Health Disparities and Environmental Justice”

Thomas A. Arcury, Ph.D., is professor and vice chair for research in the Department of Family and Community Medicine, director of the Center for Worker Health, and director of the Program in Community Engagement of the Translational Science Institute, Wake Forest School of Medicine. He is a cultural anthropologist and public health scientist with a research program focused on improving health in rural and minority communities. Since 1996, he has collaborated in a program of community-based participatory research with immigrant farmworkers, poultry processing workers, and construction workers focused on occupational and environmental health and justice. He has authored numerous refereed articles, and he is the co-editor (with Sara A. Quandt) of a volume on the health, safety, and justice of farmworkers in the eastern United States. He is dedicated to making study results available to community members in a format that they can use to attain health sovereignty; to this end, he has participated in the development of diverse educational materials that summarize research results for immigrant communities. He has worked to affect policy change through collaborating with advocates in the implementation of projects that address policy issues and through the development of policy briefs that summarize research results.

Farah A. Arosemena, Tulane University

Workshop Presenter: “Best Practices for Community-Engaged Research: Including Louisiana Coastal Communities in the Research Agenda”

Farah Arosemena, Ph.D., has devoted her career in public health to improving the wellbeing of high-risk populations, such as the underserved, ethnic minorities, and for the past five years, disaster prone communities. Arosemena specifically focuses her interests on the psychosocial aspects of disease, exploring cumulative stressors and the role of race and ethnicity on health outcomes. She brings a diverse educational and professional background to Tulane, having worked both domestically and internationally with



vulnerable communities, implementing interventions to augment local health care systems with holistic, homegrown, community informed, and culturally tailored programs. As the associate director of the *Center for Environmental Health Research, Leadership, and Strategic Initiatives*, Arosemena is an integral part of the investigative team to develop, connect and leverage active research and broaden capacity building initiatives in environmental health for coastal communities.

Katie Barnes, University of North Carolina, Chapel Hill

Presenter: “Institutional Review Boards and Community Engaged Research: How can Universities and Community Organizations Work Together to Strengthen the Ethics Review of Community Based Research?”

Katie Barnes is the project manager for Seeds of HOPE (Health, Opportunities, Partnerships, Empowerment), the core research project for the UNC Center for Health Promotion and Disease Prevention a Prevention Research Center (PRC) funded by the Centers for Disease Control and Prevention. She is the most recent past chair of the National Community Committee, comprised of community representatives from each of the 37 PRCs. Ms. Barnes’ research interests include community based participatory research and the health of rural women.

Tim Barzyk, U.S. Environmental Protection Agency (EPA)

Workshop Presenter: “Methods to Collect and Organize Information for Community-Based Cumulative Risk Assessments”

Tim Barzyk is a Research Scientist with the Environmental Protection Agency. He has been working closely with EPA Regions and Community Organizers in the last few years to develop meaningful approaches that sort through the many potential risks that communities face in their everyday lives, and to use this information to develop to-do lists to improve community health. His work incorporates the latest scientific principles related to cumulative risk, tempered by feedback from community residents and real-world applications.

Sharon Beard, National Institute of Environmental Health Sciences

Session lead: “Institutional Review Boards and Community Engaged Research: How can Universities and Community Organizations Work Together to Strengthen the Ethics Review of Community Based Research?”

Sharon Beard, M.S., is an industrial hygienist in the Worker Education and Training Program of the Division of Extramural Research and Training at NIEHS. As an industrial hygienist, Beard is primarily responsible for coordinating, evaluating, and improving the nation-wide worker education and training program especially in the area of the Minority Worker Training Program initiative. She uses her background in industrial hygiene to provide expert review, guidance, and leadership in managing a multi-million dollar portfolio of worker training grants in the area of hazardous waste, emergency response, and nuclear weapons/radiation



reaching communities all over the US. She has also worked within DERT, assisting with efforts to facilitate and coordinate translational research through the PEPH Program.

Building on her environmental and occupational health experience acquired while working in the Environmental Restoration and Industrial Hygiene & Safety Departments at Westinghouse Savannah River Company in S.C., she is currently a member of the NIEHS Science Advisory Committee, HHS Environmental Justice Working Group, and the Brownfields Federal Partnership Interagency Working Group. She is also a member of the American Public Health Association and ACGIH. Beard holds a Master of Science in Environmental Science and Management from Tufts University where she received the prestigious Environmental Science and Management Fellowship from the National Urban Fellows, Inc. She also holds a Bachelor of Science degree in Biology with minor in Business from Western Carolina University.

Zara Berg, Fort Peck Community College

Workshop Presenter: "Macroepigenetics Research and Intervention Design in Action"

As a first generation college student, Zara Berg, M.S., attended college at Montana Tech of the University of Montana and graduated with a major in biology. She then went to Texas A & M to obtain her M.S. Interdisciplinary Toxicology degree. Currently Berg is a science instructor and serving as the chair of the science department at Fort Peck Community College in North Eastern Montana. She is a new investigator and an EPA Eco-ambassador.

Linda Birnbaum, National Institute of Environmental Health Sciences

Welcome Speaker

Linda S. Birnbaum, Ph.D., became the director of the NIEHS and the National Toxicology Program (NTP) on January 18, 2009. In these roles Birnbaum oversees federal funding for biomedical research to discover how the environment influences human health and disease. Several advisory boards and councils provide Birnbaum and NIEHS/ NTP staff with input to accomplish this large task.

Birnbaum is the first toxicologist and the first woman to lead the NIEHS/NTP. She has spent most of her career as a federal scientist. Birnbaum has received numerous awards and recognitions, including being elected to the Institute of Medicine of the National Academies in October 2010, one of the highest honors in the fields of medicine and health. Birnbaum's own research and many of her publications focus on the pharmacokinetic behavior of environmental chemicals; mechanisms of actions of toxicants, including endocrine disruption; and linking of real-world exposures to health effects.

Birnbaum also finds time to mentor the next generation of environmental health scientists. For example, she served as adjunct professor in the Gillings School of Global Public Health, the Curriculum in Toxicology, and the Department of Environmental Sciences and Engineering at the University of North Carolina, Chapel Hill, as well as in the Integrated Toxicology Program at Duke University. A native of New Jersey, Birnbaum received her M.S. and Ph.D. in microbiology from the University of Illinois at Urbana-Champaign.



Phil Brown, Northeastern University

Session Presenter: “Community Experience of Contaminated Communities: Contributions from the Social Sciences”

Phil Brown, Ph.D., is University Distinguished Professor of Sociology and Health Sciences at Northeastern University. He directs the Social Science Environmental Health Research Institute, which extends the work of the Contested Illnesses Research Group, which started in 1999 at Brown University. He is the author of *No Safe Place: Toxic Waste, Leukemia, and Community Action* and *Toxic Exposures: Contested Illnesses and the Environmental Health Movement* and co-editor of *Illness and the Environment: A Reader in Contested Medicine, Social Movements in Health*, and *Contested Illnesses: Citizens, Science and Health Social Movements*. His current research includes biomonitoring and household exposure, social policy concerning flame retardants, ethics of reporting back research data to participants, data privacy, and health social movements.

Sharunda Buchanan, Centers for Disease Control and Prevention (CDC)

Welcome Speaker

Sharunda Buchanan, Ph.D., currently serves as the director of the Division of Emergency and Environmental Health Services at CDC’s National Center for Environmental Health. Buchanan received her B.S. and M.S. degrees in chemistry and toxicology from Texas Southern University and her doctorate degree in biochemistry from Clark Atlanta University. In 1990, Buchanan joined the Agency for Toxic Substances and Disease Registry as an environmental health scientist in the Division of Toxicology. Later she joined CDC as an epidemic intelligence officer assigned to the Division of Environmental Hazards and Health Effects (DEHHE). During her tenure with DEHHE, Buchanan greatly contributed to the expansion of the National Childhood Lead Poisoning Prevention Program and a Healthy Homes Research Agenda.

In 2001, Buchanan became chief of the Environmental Health Services Branch and served in this capacity until becoming director of the Division of Emergency and Environmental Health Services. As a recognized leader in the field of environmental public health practice, Buchanan is committed to developing future leaders and maintaining a national agenda that seeks to improve emergency and environmental public health services across the country. Buchanan led CDC’s Division of Emergency and Environmental Health Services in the development of the important lighthouse document, *A National Strategy to Revitalize Environmental Public Health Services in the United States*. The goals outlined in the strategy highlight objectives for improving local environmental health services that will, in turn, establish an effective and efficient national environmental health services system capable of anticipating, identifying and controlling existing and emerging environmentally related health threats.



Richard Callan, U.S. Environmental Protection Agency (EPA)

Session Lead: “Examining Environmental Determinants of Health and Engaging Communities around EPH Issues Using Geographic and Spatial Analysis”

Rich Callan, M.P.H., began work at the U.S. EPA in 2004, first as an ASPH-EPA Fellow and currently as an environmental health scientist and project officer at EPA’s National Center for Environmental Research in the Office of Research and Development. He worked with colleagues at EPA and NIMHD to administer the EPA-NIMHD Centers of Excellence on Environment and Health Disparities Research program, aiming to find new evidence-based strategies for alleviating disparities in environmentally mediated health outcomes and expanding access to healthy and sustainable environments. He also works with colleagues and EPA and NIEHS to administer the EPA/NIEHS Children's Environmental Health and Disease Prevention Research Centers Program ("Children's Centers"), which began in 1998 to understand how environmental factors affect children's health, explore ways to reduce children's health risks, and promote translation of research findings into interventions and methods to prevent adverse health outcomes. Callan has an M.P.H in environmental health sciences from Yale and is honored to be working with so many terrific colleagues at EPA, NIMHD, and NIEHS.

Tarase Carter, Tulane University

Workshop Presenter: “Best Practices for Community-Engaged Research: Including Louisiana Coastal Communities in the Research Agenda”

Tarase St. Joan Carter is the senior program coordinator, family advocate. Carter received her L.P.N. from Delgado Community College. A notable accomplishment is being an advocate for babies, children, and families. Her profound desire for stronger communities led her into the social services arena. Before bringing her Crescent Region Collaborative Coalition to Tulane, she worked for twelve years as the special program coordinator for the Gulf Coast Social Services Covering Kids & Families program. In 2010, she started the Crescent Region Covering Kids & Families Coalition, which currently has 72 organizations as members. Carter continues to serve the New Orleans and Gulf Coast area as a board member of the Department of Children & Family Services Orleans Regional Performance and Quality Improvement and Zero to Three: New Orleans Safe Babies Court Team. She also works as facilitator for the Stewards of Children “Darkness to Light” and “Why Try” programs, while maintaining an after school and weekend lunch bag program for all of Southeast Louisiana.

Miranda Chien-Hale, Occidental College

Workshop Presenter: “Community-Academic Engagement through Community Monitoring by Neighborhood Assessment Teams (‘A’ Teams) and Production of CBPR Manual”

Miranda Chien-Hale helped to compile an instruction and information manual for the Trade, Health, and Environmental (THE) Impact Project. This projects aims to document and share the successes of several southern Californian community groups in reducing the impacts of global trade. Miranda received her B.A. in geology from Occidental College this past May and will be attending Duke University this fall to pursue her master's degree in Environmental Management.



Gwen Collman, National Institute of Environmental Health Sciences

Presenter: “Using Research Results to Improve Environmental Public Health”

Gwen Collman, Ph.D., has been the director of the Division of Extramural Research and Training (DERT) at the NIEHS since 2008. She leads the development and management of the Division’s research portfolio in areas aligned with the newly developed NIEHS Strategic Plan. The grant portfolio includes scientific research and training activities across the field of environmental health sciences, including fundamental research, exposure science, population health and susceptibility, health disparities, and community-engaged research addressing contemporary environmental health issues. Specific areas of research include grants that support the study of diseases associated with environmental exposures, mechanisms of their causation, and research on specific environmental exposures. The portfolio includes research on diseases such as breast cancer, autism, Parkinson’s Disease; disease processes such as neurodegeneration and autoimmunity; mechanisms of disease causation such as DNA repair and epigenetic; and exposures of interest such as endocrine disrupting chemicals, metals, and climate change. DERT also maintains a portfolio of grants supporting training and career development for environmental health scientists.

DERT programs have led the way for involvement of stakeholders at the local, state, and national level to become engaged in research projects on the health effects of environmental exposures of concern to the public. For over a decade, Collman has overseen the creation of partnerships that have built and supported methodologies and technologies to include community partners and other stakeholders in important environmental health science research. As part of the Partnerships for Environmental Public Health program, new tools and methods for research dissemination and evaluation, have been her priority in order to inform many audiences about the public health impacts of exposures to pollutants in our environment. Collman has a Ph.D. in environmental epidemiology from the University of North Carolina School of Public Health. She has been at NIEHS since 1984, holding positions within the intramural and extramural programs.

Katsi Cook, Running Strong for American Indian Youth

Session Presenter: “Inequities Persist: Environmental Justice from a Native American Perspective”

Katsi Cook (Akwasasne Mohawk) is the director of Running Strong for Indian Youth. She is an Aboriginal midwife, mother of six, and grandmother of ten. Since 1983, she has conducted award-winning environmental justice health research in her home community of Akwasasne, N.Y. Cook created the First Environment Collaborative of Running Strong for American Indian Youth. In her experience of over 25 years as a Mohawk midwife, women’s health advocate, and activist for environmental restoration in her tribal community — the Mohawk Nation at Akwasasne — Cook works at the intersections of reproductive justice and environmental justice. She is a respected elder and educator in her community and has written numerous published essays and articles for Indian Country Today.

She was a featured speaker at Live Earth at the National Museum of the American Indian in Washington, D.C., in 2007. She was honored in 2005 where community leaders, including a generation of women who became mothers and social activists under her guidance, honored Cook’s leadership and extensive body of work. She was a recipient of a 2004-2005 Indigenous Knowledge Cultural Researcher Award from the Indigenous Health Research Development Program at the University of Toronto. She has served as a Maternal and Child Health consultant for the Tribal Epidemiology Center at United South and Eastern Tribes



(USET, Inc.), Nashville, Tenn., a consortium of 24 tribal communities in the southern and eastern region of the United States. Cook is researching and writing about environmental and reproductive justice issues in Native America.

Jauna Crear, *Crear Law Firm*

Workshop Presenter: “Best Practices for Community-Engaged Research: Including Louisiana Coastal Communities in the Research Agenda”

Jauna Crear, Esq., M.B.A, is a private practice attorney, specializing in small business advice and non-profit governance. She is the former executive director of Health Law Advocates of Louisiana, a non-profit law firm devoted to improving access to health care in Louisiana. She has been a member of the Crescent Region Collaborative Coalition for a number of years, serving on the leadership team that has helped guide the Coalition through multiple phases of its development. Crear is a graduate of Tulane Law School and the AB Freeman School of Business, and she is licensed to practice law in Louisiana and Texas.

Sharon Croisant, *University of Texas Medical Branch*

Session Presenter: “Innovative Tools and Technologies for Environmental Public Health Research”

Session Presenter: “Conflicts over Research that Identifies Community Impacts of Environmental Exposures”

Sharon (Petronella) Croisant, Ph.D., is an associate professor on the faculty of the School of Medicine’s Department of Preventive Medicine and Community Health. She is the course director for Environmental Health and Toxicology, which is an interactive course within the M.P.H program that examines factors in the environment that contribute to disease risk within the larger context of public health. Her doctorate is in epidemiology and her master’s in health promotion and education. She also currently directs the University of Texas Medical Branch Center in Environmental Toxicology’s Community-based Research Facility as well as its Community Outreach and Engagement Core. She is a Center investigator within the Institute for Translational Sciences, which houses the University’s Clinical and Translational Science Award, for which she serves as co-director of the Community Engagement and Research Key Resource.

A major focus of her career has been translational or integrative research, i.e., building interfaces between and among environmental and clinical research, education, and community health. She has considerable expertise in community-based participatory research, including its applications in environmental justice communities, and is currently the co-PI of a NIEHS grant to investigate the long-term health effects of consumption of Gulf seafood potentially contaminated by the Deepwater Horizon oil spill. She has collaborated on multiple projects designed to elucidate the causes and mechanisms of asthma exacerbations related to air pollution and has established long-standing, ongoing collaborative relationships with community stakeholders with a vested interest in using these research findings to direct community-based intervention and outreach activities. An active member of the University of Texas Medical Branch faculty, she is the past chair of the institutional Faculty Senate and was recently selected to serve on a national Scientific Advisory Panel for the Environmental Protection Agency.



Caroline Dilworth, National Institute of Environmental Health Sciences

Session Moderator: “Research to Action: Translational Research to Address Health Disparities and Environmental Inequities”

Caroline Dilworth, Ph.D., is a health scientist administrator in the Division of Extramural Research and Training, where she co-directs the extramural environmental epidemiology program. She is responsible for developing a portfolio of grants focused on the impact of environmental exposures on human health, including male and female reproduction, pubertal maturation, cancer, adult cardiovascular and respiratory health, and general statistical methods development and exposure assessment for population-based studies. She leads the NIEHS Human Health Impacts of Climate Change program and is the lead program administrator for the puberty studies of the NIEHS and NCI-funded Breast Cancer and the Environment Research Program.

Prior to joining NIEHS in 2008, Dilworth completed a postdoctoral fellowship at the University of North Carolina, where her research focused primarily on the adverse effects of exposure to drinking water disinfection by-products on pregnancy health. She received a joint M.S.P.H. in epidemiology and environmental and occupational health from Emory University and a Ph.D. in epidemiology from University of North Carolina.

Ogonnaya Dotson-Newman, WE ACT for Environmental Justice

Session Presenter: “Using Health Impact Assessments (HIAs) to Address Environmental Health Disparities and Create Equity in Communities”

Workshop Presenter: “Creating, Collecting, and Telling Our Stories: Tools for Multi-Stakeholder Engagement”

Ogonnaya Dotson-Newman, M.P.H., joined WE ACT in April 2008 as the organization’s Environmental Health and Community-Based Research Coordinator and become the Director of Environmental Health in 2011. Prior to joining the WE ACT team, Dotson-Newman worked at Loma Linda University’s School of Public Health as a research associate and Instructor. Born and raised in California to a family of community organizers and environmental activists, she learned at an early age about the strong link between health and the environment. Her strong passion for linking social justice and science led to an undergraduate degree in environmental science. She also holds an M.P.H. with an emphasis on environmental health.

Christie Drew, National Institute of Environmental Health Sciences

Workshop Presenter: “Evaluating PEPH Activities”

Christina (Christie) Drew, Ph.D., joined the NIEHS Division of Extramural Research and Training, Program Analysis Branch in 2007 and became branch chief in 2009. She received her Ph.D. in geography from the University of Washington in 2002 for her work on transparent communication of complex environmental health decisions. She has a Master of Health Science degree from the Johns Hopkins School of Hygiene and Public Health and an undergraduate degree in government from the College of William and Mary.



Drew has been a researcher at the University of Washington in Seattle and the Institute for Evaluating Health Risks in Washington, D.C. She has also worked at the World Health Organization Regional Office for Europe in Copenhagen and at Ross & Associates Environmental Consulting in Seattle. Her research interests have included environmental health risk communication, nuclear waste cleanup, community-based participatory research, geographic information systems, children's environmental health, pesticide exposure, and research evaluation.

Renee Dufault, Food Ingredient and Health Research Institute

Workshop Presenter: "Macroepigenetics Research and Intervention Design in Action"

As a uniformed services officer, Renee Dufault served in the Navy as an industrial hygiene officer and the Public Health Service as an environmental health officer. She retired early after 20 years in 2008, to publish her findings of mercury in high fructose corn syrup and continue her research with collaborators on the role toxic food ingredients play in the development of disease conditions. Her most popular article published in the Clinical Epigenetics journal explores the gene-environment interactions responsible for the autism epidemic in the U.S. She was a distinguished keynote speaker at the 2013 Clinical Epigenetics meeting in Germany.

Eugenia (Jeannie) Economos, Farmworker Association of Florida

Session Presenter: "Research to Action: Translational Research to Address Health Disparities and Environmental Inequities"

Jeannie has worked for over 20 years on issues of the environment, environmental justice, indigenous and immigrants' rights, labor, peace and social justice. From 1996-2001, she worked for the Farmworker Association of Florida as the Lake Apopka Project Coordinator, addressing the issues of job loss, displacement and health problems of the farmworkers who worked on the farm lands on Lake Apopka prior to the closing of the farms in 1998. After the bird mortality in 1998-99, her focus turned to the pesticide-related health problems of the former Lake Apopka farmworkers, who were exposed to the same damaging organochlorine pesticides that were implicated in the bird deaths. Since 2007, she has been the Pesticide Safety and Environmental Health Project Coordinator of FWAf, coordinating pesticide trainings for farmworkers in Florida, identifying workplace violations of Worker Protection Standards, and conducting health care provider trainings on pesticide exposure of farmworkers. She is, also, engaged in local, state, national and international coalitions and collaborations related to farmworker rights and health and safety, pesticide reduction, sustainable agriculture and food sovereignty. She is currently co-coordinator of the Lake Apopka Farmworker Memorial Quilt Project, whose purpose is to raise awareness about the impacts of pesticides on the former farmworkers on Lake Apopka. She served on the Serving Communities Work Group of the National Conversation on Public Health and Chemical Exposures and is currently on the Board of Directors of the Farmworker Health and Safety Institute and Florida Consumer Action Network.



Michael Edelstein, Ramapo College of New Jersey

Session Presenter: “Community Experience of Contaminated Communities: Contributions from the Social Sciences”

Michael R. Edelstein, Ph.D., earned a Ph.D. in social psychology from the University of Buffalo, where he taught in the environmental design program. He moved in 1974 to the interdisciplinary environmental studies program at Ramapo College of New Jersey, where he teaches courses in world sustainability, sustainable communities, environmental psychology, environmental assessment, as well as several courses in the Masters in sustainability studies.

Beginning in 1979, at Love Canal, he became fascinated by the dynamics of contaminated communities. His 1988 book by that name, now in its second edition and described as the classic in its field, evolved from an effort to explain the impacts on people from living in a contaminated environment. Subsequent books have explored and broadened the examination to include cross-cultural studies, including *Chernobyl* and the *Mayak Kystym 57 Disaster*. Numerous articles and chapters have similarly developed this work. A recent article on the BP Gulf Oil Disaster won the Emerald Publishing Journal Submission Award for 2011. Edelstein has also engaged in an active consulting business addressing chemical and nuclear contamination impacts, appearing as an expert witness in numerous toxic torts and administrative permit hearings, most recently including tar sands upgrading and gas extraction in Alberta, Ca., the relicensing hearings for Indian Point Nuclear Power plants in New York, and the restart of uranium mining in New Mexico.

Christine Ekenga, National Institute of Environmental Health Sciences

Session Moderator: “Cumulative Exposures: The Role of Epidemiology in Elucidating Environmental Contributions to Health Disparities”

Christine Ekenga, Ph.D., is a postdoctoral research fellow in the Epidemiology Branch at NIEHS. Dr. Ekenga’s research focuses on exposure assessment methods for epidemiologic studies and environmental risk factors for chronic diseases. She received her Ph.D. in Epidemiology from New York University School of Medicine.

Senaida Fernandez, University of California Office of the President (UCOP)

Session Presenter: “Addressing ‘Research Disparities’: Building Connections to Build Capacity”

Senaida Fernandez, Ph.D., is a program officer for Community Initiatives and Public Health Sciences at the California Breast Cancer Research Program (CBCRP). She is a clinical psychologist with specialization in research methodology. In her role with the CBCRP, she focuses on working with community-academic research partnerships to build capacity for community-based participatory research in breast cancer. She accomplishes this through one-on-one and group technical assistance, as well as outreach efforts. Prior to her work with the CBCRP, she utilized qualitative and quantitative research methodologies to address health disparities among ethnic minority adults. She has been an assistant professor of medicine in the Division of General Internal Medicine at New York University School of Medicine, and completed her postdoctoral training at Columbia University. She completed her graduate work at the University of California, San Diego and San Diego State University Joint Doctoral Program in Clinical Psychology and her clinical internship in behavioral medicine at the VA Palo Alto Health Care System.



Symma Finn, National Institute of Environmental Health Sciences

Session Moderator: “Innovative Tools and Technologies for Environmental Public Health Research”

Session Moderator: “Inequities Persist: Environmental Justice from a Native American Perspective”

Symma Finn, Ph.D., received her Ph.D. in medical anthropology from the University of Florida in 2008 for her work on quantifying empowerment in a rare genetic disease community. She has a M.A. from the University of Miami in environmental anthropology for her work on the anthropological aspects of ecosystem management, and an undergraduate degree in communications from Adelphi University.

Finn has conducted research on physician-nurse-patient communication and shared decision-making as a postdoctoral fellow at the University of Florida, has served as director of research and grants for the Alpha-1 Foundation, a rare genetic disease organization, and as administrative assistant to the dean of the Rosenstiel School of Marine and Atmospheric Science. She joined DERT in December 2011 after concluding an American Association for the Advancement of Science (AAAS) Policy Fellowship in the NIH Office of Science Policy/Office of Biotechnology Activities. Finn administers social and behavioral research and develops new areas of interest in communications and environmental health literacy. She is overseeing communication and outreach and community resilience activities for the Deepwater Horizon Research Consortium, and is involved in the Breast Cancer and the Environment Research Program, Partnerships for Environmental Public Health, and in other programs that deal with health disparities, environmental justice, and communications.

Karla Fortunato, Health and Environmental Funders Network (HEFN)

Presenter: “Challenges and Opportunities for Supporting Community Based Research to Address Environmental Health Disparities and Environmental Justice”

Karla Fortunato, M.B.A, is the director of the Health and Environmental Funders Network (HEFN), a membership organization focused on maximizing philanthropy's impact on environmental health and justice. Fortunato previously served as associate director of Policy of Health Care for All, a statewide health access advocacy organization in Massachusetts, where she managed their policy campaigns. She also provided strategic guidance in the planning and establishment of the Boston-based Public Policy Institute, an organization committed to building the infrastructure and skills set of social justice organizations. She holds an M.B.A., magna cum laude, from the George Washington University (2009) and a B.A., magna cum laude, from Randolph-Macon Woman’s College (1999).

Sandra Glover, University of South Carolina

Session Presenter: “Examining Environmental Determinants of Health and Engaging Communities around EPH Issues Using Geographic and Spatial Analysis”

Sandra Glover, Ph.D., is the associate dean for Health Disparities and Social Justice and professor of Health Services Policy and Management in the Arnold School of Public Health at University of South Carolina, Columbia, S.C., Glover is at the forefront of Public Health Practice and Health Equity Initiatives locally,



nationally, and internationally. She also directs the School's Institute for Partnerships to Eliminate Health Disparities research portfolio addressing disparities in cancer and HIV/AIDS. Glover is also associate director of the South Carolina Rural Health Research Center examining rural/urban differences in access to health care and quality of care, particularly for vulnerable and disadvantaged populations.

Gary Grant, North Carolina Environmental Justice Network

Session Presenter: "Conflicts over Research that Identifies Community Impacts of Environmental Exposures"

Gary Grant has undertaken a wide variety of initiatives in the rural, poor, largely African-American area of Tillery, N.C. His work has at its center a bedrock commitment to justice and popular participation. He has led the Concerned Citizens of Tillery, the Black Farmers and Agriculturalists Association, and the N.C. Environmental Justice Network, and has been a catalyst for the formation of many other local, regional, and national community-based organizations. These coalitions transformed a potato curing house into a People's Health Clinic for medically underserved residents of Tillery, settled a nationwide class action civil rights suit against the U.S. Department of Agriculture, and helped stop the disproportionate placement of industrial swine operations, landfills, and other polluting industries in low-income and Black communities.

Working from the foundation of the Concerned Citizens of Tillery, Grant has helped empower a largely aged, low-income community to achieve improved nutrition, physical activity, literacy, political participation, and access to public services including a local fire department. From this strong base he has reached out to build bridges in North Carolina and beyond that unite people across racial, class, and political divisions to build sewer lines in Black communities excluded from public amenities, adopt the first intensive livestock ordinance in North Carolina, and help bring a statewide moratorium on construction of new industrial swine operations. Since 1998, he has brought together residents of communities affected by environmental injustices, lawyers, government officials, students and researchers at the annual N.C. Environmental Justice Summit. Through his speeches and interviews on television and radio, as well as articles in respected publications, he is nationally known as a leader in community-driven research and education, and is widely acclaimed as an inspirational public speaker and leader in struggles to extend justice and democracy to all people.

Neasha Graves, University of North Carolina, Chapel Hill

Session Presenter: "Effectively Reaching Underserved Populations: Lessons Learned on Culturally Appropriate Communication Strategies and Tools"

Neasha Graves, M.P.A., is the manager for the Community Outreach and Engagement Core in the UNC Center for Environmental Health and Susceptibility. In her current position, she coordinates environmental health outreach initiatives aimed at sharing the Center's research with various audiences. Her areas of expertise include teaching and administering programs for youth and adults in the public school, state government, nonprofit, and university sectors.

Her work also entails coordinating the outreach activities of the UNC Breast Cancer and Environment Research Program. Graves serves as the director of the Community Partnership for this program and is



collaborating with researchers and community partners to develop educational materials about risk factors of basal-like breast cancer for premenopausal African American women and health professionals. Prior to her position at the University of North Carolina, Chapel Hill, she was the public health program consultant for the N.C. Childhood Lead Poisoning Prevention Program in the N.C. Children’s Environmental Health Branch. She also has experience working in community outreach for the N.C. Office of Environmental Education and as a high school social studies teacher. Graves earned her B.A. degree in History from Meredith College and her master’s degree in Public Administration from North Carolina Central University.

Elizabeth Hoover, Brown University

Session Presenter: “Community Experience of Contaminated Communities: Contributions from the Social Sciences”

Elizabeth Hoover, Ph.D., is assistant professor of American Studies and Ethnic Studies at Brown University, where she teaches courses in Native American Studies, environmental health movements, and community-based participatory research. At Brown, she co-directs the Community Engagement Core of the Superfund Research Program, working with local watershed councils and indigenous organizations to explore and mitigate the impact of environmental contamination on Rhode Island residents. Her current book project is based on research conducted with the Mohawk community of Akwesasne and examines how industrial sites along the St Lawrence River, and subsequent health studies around these sites, have affected residents’ perceptions of their bodies, local food, science, and the environment. Her most recent publications include a collaborative piece in *Environmental Health Perspectives* introducing the concept of “environmental reproductive justice” as well as an article in *Ecological Processes* about the cultural impacts of fish advisories on Native American communities.

Andrea Hricko, University of Southern California

Workshop Presenter: “Community-Academic Engagement through Community Monitoring by Neighborhood Assessment Teams (‘A’ Teams) and Production of CBPR Manual”

Andrea Hricko, M.P.H., directs community outreach and engagement/translation for the NIEHS environmental health sciences core center and EPA/NIEHS children’s environmental health center, both based at the Keck School of Medicine of University of Southern California, where she is also a professor in the department of preventive medicine. She works to translate research findings into public health action and inform policy initiatives by providing guidance about the effects of air pollution on human health, particularly with regard to living or going to school in close proximity to traffic-related pollution. Hricko is a leader in efforts to make health a priority in the debate about expansion of ports, rail facilities, and highways to serve international trade. She serves on the local southern California air district’s environmental justice advisory committee and on the national advisory council to the NIEHS.



Rebecca Jim, L.E.A.D. Agency

Session Presenter: "Research to Action: Translational Research to Address Health Disparities and Environmental Inequities"

Rebecca Jim, M.A., is a retired Oklahoma Public School Indian Counselor who then became the executive director of a citizen's organization, Local Environmental Action Demanded (L.E.A.D.) Agency., L.E.A.D brings awareness and actions around the Tar Creek Superfund site and other environmental issues in northeast Oklahoma. Jim reached out to researchers at the Harvard School of Public Health 18 years ago, seeking answers to the questions residents raised. The latest question concerned mercury in local fish resulting in the completion of the NIH funded Grand Lake Watershed Mercury Study in partnership with Harvard School of Public Health and Oklahoma University Health Sciences Center. She earned a B.A. in behavioral sciences from Southern Colorado State College in 1972 and an M.A. in education, counseling from Northeastern State University in 1976.

James H. Johnson, Jr., U.S. EPA National Center for Education Research (NCER)

Welcome Speaker

James H. Johnson Jr., Ph.D., is the director of the EPA's National Center for Environmental Research (NCER) within the Office of Research and Development. His leadership helps maximize extramural research efforts in exposure, effects, risk assessment, and risk management. In this time of shrinking budgets, Johnson is pursuing expansion of NCER's exploratory research impact through expanded partnering and collaborative research efforts. His other goals include shortening the RFA approval process, broadening participation in conceptualization of new RFAs, developing a mentorship program and building on NCER's research successes.

Johnson has served in several National Academies committees and boards, most recently as a member of the Division of Earth and Life Sciences oversight committee. His previous experience with EPA includes a student internship in 1969, chair of the Board of Scientific Counselors, chair of the National Advisory Council for Environmental Policy and Technology, and member of the Science Advisory Board. He is currently a member of the Anne Arundel Community College (MD) Board of Trustees, and is professor emeritus of civil engineering and dean emeritus of the College of Engineering, Architecture and Computer Sciences at Howard University.

Johnson received his Bachelor of Science in civil engineering from Howard University in 1969. In 1970, he earned a Masters of Science from the University of Illinois. He further continued his education and graduated from the University of Delaware in 1982 with a Ph.D. in Applied Sciences. Johnson's research interests include the treatment and disposal of hazardous substances, the use of nanomaterials for environmental restoration, the evaluation of environmental policy issues in relation to minorities, and the development of environmental curricula and strategies to increase the pool of underrepresented groups in the science, technology, engineering and math (STEM) disciplines.



Paul Juarez, University of Tennessee Health Science Center

Session Presenter: “Examining Environmental Determinants of Health and Engaging Communities around EPH Issues Using Geographic and Spatial Analysis”

Session Presenter: “Cumulative Exposures: The Role of Epidemiology in Elucidating Environmental Contributions to Health Disparities”

Paul D. Juarez, Ph.D., is the director of the Research Center for Health Equity and the Exposome and professor of preventive medicine at the University of Tennessee Health Science Center. Juarez previously served as PI of the NIMHD Health Disparities Research Center of Excellence at Meharry Medical College and director of its Community Engagement Core. As PI of the Health Disparities Research COE, he led Center research activities in applying a systems approach to health disparities.

In September 2012, he received a supplemental award from the EPA to examine the environmental context of health disparities. This led to the operationalization of the public health exposome to include four environmental domains: the natural, built, social, and policy environment and the establishment of a 30-year longitudinal database that provided a major step towards measuring the “totality” of one’s exposures, from conception to death. The public health exposome database is stored both in a geographic information system (GIS) to support visualization and mapping and in a SQL relational database to support statistical analyses, modeling, and simulations. It currently includes more than 10,000 variables. Due to the size, nested nature, and spatial/temporal characteristics of the data, Center investigators have adapted non-traditional public health methods to analyze it, including multi-level, computational analysis, and spatial analysis. Finally, the Center has incorporated the use of public participatory GIS as a strategy for engaging community partners in the research process. The goal of the Center’s Community Engagement Core is to work with community partners to jointly identify local environmental health concerns, collect and display data with smart phone and web applications, and develop, target and evaluate the results of local interventions.

Amy D. Kyle, University of California, Berkeley

Workshop Presenter: “Cumulative Impacts and Children’s Environmental Health”

Amy D. Kyle, Ph.D., spent her formative years engaged in policy change to improve environmental quality and public health and retains a primary interest in public policy. She has a broad background in environmental health research and practice.

Kyle directs research translation and community engagement for the Superfund Research Program at Berkeley and the Center for Integrative Research on Childhood Leukemia and the Environment. She is affiliated with research groups on Environmental Public Health Tracking at the University of California, Berkeley. She was recently appointed associate director of the Berkeley Institute for the Environment. She works with many community-based organizations, non-governmental organizations, executive and legislative agencies, and academic partners.

Kyle has served in senior positions in environmental protection at the state level, working on a wide range of environmental, health, and natural resources issues. Her Masters of Public Health and her doctorate in environmental health sciences and policy are from the University of California, Berkeley and B.A. in



environmental sciences is from Harvard College. She has served as vice chair of the California Breast Cancer Research Council, was elected as Councilor to the Environment Section of the American Public Health Association, and was appointed by U.S. Environmental Protection Agency Administrator Lisa Jackson to the Children's Health Protection Advisory Committee. Her academic work has been supported by the NIEHS, the US Environmental Protection Agency, the Centers for Disease Control and Prevention, and the State of California.

Kyle's work is at the intersection of science, policy, and civic engagement. She is currently exploring use of networking approaches to engagement and to propagation of knowledge and capacity for change across disciplinary and sectoral boundaries. She is working research translation and engagement programs that can transition to new platforms, adapting scientific content for video and mobile media. She specializes in design of forms of engagement that span academic and external policy relevant sectors. Her research interests include the relationship between policy concepts and metrics based on empirical data, higher order approaches to synthesis of scientific research, uptake of scientific findings and knowledge by of civil society and public institutions, and representation of scientific findings and knowledge in ways that are understandable by policy audiences. Recent topics include cumulative impacts, chemical policies, children's environmental health, biomonitoring, health disparities and environmental justice, and air pollution standards.

Clarita Lefthand-Begay, *University of Washington*

Session Presenter: "Inequities Persist: Environmental Justice from a Native American Perspective"

Clarita Lefthand-Begay, M.S., is a Ph.D. Candidate in the University of Washington's School of Public Health. As a master's student in environmental health, beginning in 2005, she worked on a microbial source tracking project.

In the first two years as a doctoral student she worked on a project that aimed to develop a PCR-based assay to detect viable bacteria in marine and fresh water samples. Microbial source tracking helps communities identify sources of fecal contamination so that decision makers can strategically mitigate pollution and protect their communities. The PCR-based assay can be used to distinguish between bacterial cells that are viable or nonviable, which has consequences in water health, food safety, biodefense, and clinical settings. Her doctoral dissertation examines disconnects between specific goals and values of the Environmental Protection Agency's Clean Water Act, and tribal cultural values. In this work, a holistic approach is taken to better understand how some tribal nations develop water quality standards to protect their communities, and examine some of the advantages and challenges affiliated with this process. This research allows for the consideration about how Tribal perceptions, knowledge and values can inform water quality standards.



David Lewis, Neural Dynamics Research Group, University of British Columbia

Session Presenter: “Conflicts over Research that Identifies Community Impacts of Environmental Exposures”

David Lewis, Ph.D., is a research associate at Neural Dynamics Research Group at the University of British Columbia. His primary area of research is the persistence, transport, and fate of infectious agents and environmental toxins in both clinical settings and natural environments, including air, water, soils, and sediments.

Lewis and his coworkers demonstrated that environmental changes alter the relative persistence of different enantiomers of chiral pollutants, including pesticides and pharmaceuticals (Lewis *et al.* *Nature* 401:898-901, 1999). They also documented adverse health effects associated with heavy metals and organic chemicals found in aerosols generated by processed sewage sludges (biosolids) applied to land. The team also investigated the survival, transport, and fate of infectious agents in clinical settings in dentistry and endoscopy. They discovered, for example, that lubricants used in dental and medical devices are impervious to chemical disinfection, and can remain infectious with HIV and other agents when expelled by dental hand pieces and their attachments (drills, prophy angles) during subsequent procedures. This research prompted the CDC and other public health organizations worldwide to recommend that all items entering the oral cavity during dental procedures be heat sterilized or discarded after each use. (Lewis *et al.*, *Lancet* 340: 1252-4, 1992; Lewis and Arens. *Nature Med.* 1:956-958, 1995).

The team’s research on biosolids emphasized environmental justice aspects, and *Nature* published a supportive editorial and news article highlighting the independent confirmation of their research linking gastrointestinal, skin and respiratory illnesses to biosolids. (*Nature* 453:258, 262-263, 2008). From 1994-2000, Lewis assisted various committees in the U.S. Senate and House of Representatives with hearings and legislation regarding scientific integrity (*Science*, Vol. 279. 20 Feb. 1998); and *Nature* published his commentary, *EPA science: Casualty of election politics* (*Nature* 1996, 381:731-732).

Johnnye Lewis, University of New Mexico

Session Presenter: “Inequities Persist: Environmental Justice from a Native American Perspective”

Johnnye Lewis, Ph.D., is a toxicologist and professor in the College of Pharmacy at the University of New Mexico Health Sciences Center (UNM-HSC). She is the founder and director of the Community Environmental Health Program and has active community-based research programs on heavy metal exposures and health in Native American communities. For more than 25 years she has partnered with communities to build multidisciplinary teams to translate basic laboratory science into community-based approaches that answer community environmental health questions, and inform policy and clinical care. She has a specialty in inhalation toxicology and has served by appointment on the Albuquerque-Bernalillo County Air Quality Control Board, and on the Environmental Health Coordinating Council advisory to the New Mexico Departments of Health and Environment. Through a Joint Powers Agreement with the New Mexico Environment Department she developed health-based recommendations on emerging environmental health problems for more than 10 years, for which she received the Griff-Salisbury award from the New Mexico Environmental Law Center.



Lewis has represented environmental justice perspectives as a site reviewer for the NIEHS Centers of Excellence, as a programmatic reviewer of NIEHS's Superfund Research Program, and as a member of a Blue Ribbon Panel for the director of NIH. She is currently the co-director of the Environmental Health Core of UNM-HSC's health disparities center – New Mexico CARES. She has been the principal investigator for more than a decade on the Diné Network for Environmental Health (DiNEH) Project investigating health impacts in communities exposed to legacy uranium waste on the Navajo Nation, and water quality and usage patterns for unregulated water sources.

In a cooperative agreement with CDC/ATSDR, Navajo Area IHS, and Navajo Nation Division of Health, she is currently leading development of a congressionally mandated Navajo Birth Cohort Study to investigate reproductive and developmental health effects of uranium waste exposures related to cold-war era mining and milling operations. She also serves as a consultant to the Cheyenne River Sioux Tribe investigating the impacts of arsenic and mercury contamination on tribal lands.

Marti Lindsey, University of Arizona

Session Moderator: “Effectively Reaching Underserved Populations: Lessons Learned on Culturally Appropriate Communication Strategies and Tools”

Marti Lindsey, Ph.D., has taught, informed, and motivated others to accomplish their goals, in over thirty years of progressively greater responsibility. Since 2001, she has been an environmental health outreach professional at the University of Arizona, a position that calls on her education and experiences in higher and secondary education, library and information services, web development, and health care consulting.

Currently, environmental health literacy is the cornerstone of her outreach efforts with community members, pharmacy students, high school students, and teachers, focusing on serving Hispanic and American Indian communities. She developed the Synergistic Cascading model of outreach to guide program development, implementation, and evaluation and a putting communities first approach to bidirectional capacity building around environmental health topics.

Innovative endeavors she has undertaken include the KEYS high school student summer research internship program in collaboration with the BIO5 Institute, environmental health curriculum development with NIH and EPA funding, collaborations with several American Indian communities for environmental health action, and leadership in the University of Arizona Outreach Collaborative to support outreach endeavors across campus.

Lindsey's dissertation was an assessment of environmental health literacy for the best reading level to target for disseminating information to the general public. She discovered that people with the average reading level of 9th grade were able to comprehend complex environmental health information about arsenic and ultraviolet light exposure; however, given the choice they preferred materials written at a lower simpler level.

Lindsey's master's thesis research chronicled her work in Information Literacy, working with Native students in a high school library on the Navajo reservation. In many settings she has demonstrated her ability to be a



bridge between cultures. She learned that the essential elements of this skill are understanding and appreciation for each culture and respect for all people, regardless of age, background, or gender.

Linda McCauley, Emory University

Session Presenter: “Research to Action: Translational Research to Address Health Disparities and Environmental Inequities”

Linda McCauley, Ph.D., has more than 20 years of experience conducting interdisciplinary studies using participatory research models to study pesticide exposures among minority communities. She is currently conducting two studies focused on pesticide exposure in migrant farmworkers. The first study is funded by the National Institutes of Health and is focused on improving the health of migrant farmworkers who speak indigenous dialects by increasing their knowledge about pesticide exposure. The second is funded by the National Institute of Occupational Safety and Health and aims to advance our knowledge of agricultural exposures that can impact the health of pregnant farmworker women and to develop strategies for education and health care in this important area.

McCauley is a fellow of the American Academy of Occupational Health Nurses and the Academy of Nursing. She has also been funded to provide occupational and environmental training programs to undergraduate and graduate nursing students. In summary, McCauley has extensive experience in the area of environmental health and nursing, and has demonstrated a record of successful and productive research projects in an area of high relevance to this project.

Gary W. Miller, Emory University

Session Presenter: “Cumulative Exposures: The Role of Epidemiology in Elucidating Environmental Contributions to Health Disparities”

Gary W. Miller, Ph.D., is the Asa Griggs Candler Professor of Environmental Health and associate dean for Research in the Rollins School of Public Health at Emory University. Miller is director of the Health and Exposome Research Center (HERCULES), a core center grant funded by the NIEHS to support exposome-related research at Emory University and Georgia Tech. Miller also developed and maintains the website humanexposomeproject.com.

Pamela Miller, Alaska Community Action on Toxics (ACAT)

Session Lead: “Challenges and Opportunities for Supporting Community Based Research to Address Environmental Health Disparities and Environmental Justice”

Pamela K. Miller, M.En., founded Alaska Community Action on Toxics (ACAT) in 1997 and serves as executive director. Miller has 30 years of experience in environmental health research and advocacy. She is known for her work as an advocate for statewide, national, and international chemicals policy reform to protect environmental and human health, with an emphasis in the Arctic and sub-Arctic regions. Since 2000, ACAT has been awarded multiple federal grants for which Miller has been serving as team leader and, for the past



six years, as principal investigator of a community-based participatory research team that includes faculty investigators from universities in Alaska and New York.

These research projects rely on collaborative efforts with indigenous communities in Alaska to address environmental health and justice issues. She serves on the steering committee for national campaigns working toward chemicals policy reform, the Safer Chemicals Healthy Families campaign, and the Environmental Justice and Health Policy Alliance. She has worked internationally as a steering committee member and leader within the International POPs (persistent organic pollutants) Elimination Network (IPEN—a network of over 700 environmental health groups) in the negotiation and implementation of a global legally-binding treaty to phase out production of POPs. Miller was instrumental in prompting decisions by the EPA for national phase-outs of certain pesticides, including lindane and endosulfan. She holds a bachelor's degree in biology from Wittenberg University and a master's degree in environmental science (Miami University, Oxford Ohio, 1981). She is the recipient of a 2012 Meritorious Service Award for community service by the Board of Regents of the University of Alaska.

Marie Lynn Miranda, *University of Michigan*

Keynote Speaker: "It Takes a Village: Integrated Methods for Addressing Environmental Health Disparities"

Marie Lynn Miranda, Ph.D., is professor and dean in the School of Natural Resources and Environment and professor in the Department of Pediatrics at the University of Michigan. In addition to her administrative leadership responsibilities, Miranda directs the Children's Environmental Health Initiative (CEHI), which is a research, education, and outreach program committed to fostering environments where all people can prosper. CEHI emphasizes the environmental health sciences and social justice components of risks borne by children in the United States and internationally. CEHI runs geospatial training programs both at the University of Michigan and nationally. CEHI is also leading a significant effort in developing geospatial informatics to support health care delivery and improvements in population health. Miranda maintains a deep and abiding personal and professional interest in social and environmental justice.

Naeema Muhammad, *North Carolina Environmental Justice Network*

Workshop Presenter: "Environmental Health Research and Environmental Injustice: Do No Harm"

Naeema Muhammad has worked on two NIEHS funded grants. The first was Community Health and Environmental Reawakening (CHER) in which she served as a community organizer working with communities dealing with waste from industrial hog operations. In this position she worked with Steve Wing, from the UNC Chapel Hill School of Public Health and was supervised by Gary R. Grant, executive director of the Concerned Citizens of Tillery. She has co-authored publications with Wing regarding community based participatory research (most recently in the *New Solutions Health Journal*).

Muhammad also worked on the Community Health Effects of Industrial Hog Operations (CHEIHO) project in which she has served as a community organizer, environmental justice educator, interviewer, and participant in qualitative data analysis. Muhammad's past primary responsibilities on the proposed project was to work in collaboration with Amy Lowman, CHEIHO project manager, in all aspects of data collection.



Muhammad made preliminary visits to communities to educate people about the potential health risks of environmental pollutants; discussed research activities and ascertained the feasibility of community residents participating in the proposed study; coordinate community based organizations as liaisons; participated in the recruitment and training of individual participants for the longitudinal health study; and worked with Hale to coordinate environmental monitoring and data collection in participating communities. She also worked with McDonald and Lowman to plan and interpret qualitative interviews.

Muhammad is also a founding member of Black Workers for Justice (BWFJ) in North Carolina. It is a community-based organization that addresses workers' rights issues at the workplace since 1981.

Alexandra Nolen, University of Texas Medical Branch

Session Presenter: "Using Health Impact Assessments (HIAs) to Address Environmental Health Disparities and Create Equity in Communities"

Alexandra Nolen, Ph.D., is the director of the Center to Eliminate Health Disparities and the associate director of the Coordinating Center for Global Health. Nolen is also an assistant professor in the Departments of Family Medicine, Preventive Medicine & Community Health, and Internal Medicine, and associate faculty in the Institute for the Medical Humanities. Under her leadership, the Center to Eliminate Health Disparities is engaged in research, training, and community action in four program areas: Health Systems Solutions, Solutions through Social Determinants of Health, Leadership Development for Social Change in Health, and Global Health.

Nolen has experience in coordination of community-based research and interventions as well as policy development on issues of health equity and public health. Her work also encompasses issues of social determinants of health and intersectoral action, health information systems, advocacy strategies for health equity, health systems development, the impact of globalization and trade on health in Africa, environmental justice, and development of training materials on health equity. Nolen served on the Secretariat of the WHO Commission on Social Determinants of Health between 2005 and 2007. Previously she was the coordinator of the Global Equity Gauge Alliance (2002-2004), a South Africa-based non-governmental organization focused on health equity initiatives in Latin America, Africa, and Asia. Under the Division of Health and Human Development at the Pan American Health Organization (1999-2002), she helped to advance research and programming on issues of health equity for the organization.

Nolen serves on the Executive Board of the International Society for Equity and Health; on the National Advisory Committee for the National Association of City and County Health Officials/Centers for Disease Control project *The Roots of Health Inequity*; on the National Advisory Panel for the Department of Housing and Urban Development's Healthy Communities Transformation Initiative, and on the Coordinating Committee for the Houston-Galveston Area Council Sustainability Planning Grant, among other activities.



Liam O’Fallon, National Institute of Environmental Health Sciences

Session Moderator: “Addressing ‘Research Disparities’: Building Connections to Build Capacity”

Since Liam O’Fallon, M.A., joined the Division of Extramural Research and Training in 1999, he has been actively involved in research programs at the NIEHS that involve community participation. O’Fallon is the coordinator for the Partnerships for Environmental Public Health program at NIEHS, which integrates new and existing initiatives that involve communities and scientists working together on contemporary issues in environmental public health research.

He administers the ARRA Program on Community Linked Infrastructure. He coordinates the Community Outreach and Engagement Program (COEP), comprised of 20 Community Outreach and Engagement Cores across the country. He also is a member of the HHS Environmental Justice working group. Before coming to NIEHS in 1999, O’Fallon worked at the U.S. Department of Health and Human Services in the Office of International and Refugee Health where he coordinated an interagency, binational working group addressing environmental health issues along the U.S.-Mexico border.

O’Fallon received his master’s degree in Latin American Studies, specializing in medical anthropology and international health, from Tulane University in 1997.

Kenneth Olden, U.S. EPA National Center for Environmental Assessment

Session Moderator: “Examining Environmental Determinants of Health and Engaging Communities around EPH Issues Using Geographic and Spatial Analysis”

Ken Olden, Ph.D., Sc.D., L.H.D, joined the National Center for Environmental Assessment in July 2012 with a strong legacy of promoting scientific excellence in environmental health. From 1991-2005, Olden served as the Director of the NIEHS and the National Toxicology Program (NTP). He made history in this role as the first African American to direct one of the National Institutes of Health. In 2005, he returned to his research position as chief of the Metastasis Group in the Laboratory of Molecular Carcinogenesis at the NIEHS, and for academic year 2006-2007, held the position of Yerby Visiting Professor at the Harvard School of Public Health. Most recently, Olden served as the founding dean of the School of Public Health at the Hunter College, City University of New York.

He has published extensively in peer-reviewed literature, chaired or co-chaired numerous national and international meetings, and has been an invited speaker, often a keynote, at more than 200 symposia. Olden has won a long list of honors and awards including the Presidential Distinguished Executive Rank Award, the Presidential Meritorious Executive Rank Award for sustained extraordinary accomplishments, the Toxicology Forum’s Distinguished Fellow Award, the HHS Secretary’s Distinguished Service Award, the American College of Toxicology’s First Distinguished Service Award, and the National Minority Health Leadership Award.

Alone among institute directors, he was awarded three of the most prestigious awards in public health — the Calver Award (2002), the Sedgwick Medal (2004), and the Julius B. Richmond Award (2005). Most recently, he received the Cato T. Laurencin MD, PhD Lifetime Research Award from the National Medical Association Institute, the largest and oldest national organization representing African American physicians and their patients in the United States. He was elected to membership in the Institute of Medicine at the



National Academy of Sciences in 1994 and appointed member of the Visiting Committee for the Harvard University Board of Overseers from 2007-2010.

Joan Packenham, *National Institute of Environmental Health Sciences*

Session lead: “Institutional Review Boards and Community Engaged Research: How can Universities and Community Organizations Work Together to Strengthen the Ethics Review of Community Based Research?”

Joan P. Packenham is the Director of the Office of Human Research Compliance in the Clinical Research Program, Division of Intramural Research and Training at the National Institute of Environmental Health Sciences (NIEHS) / National Institutes of Health (NIH) and she serves as the Vice-Chair for the NIEHS Institutional Review Board. She has a Ph.D. in Experimental Pathology from the University of North Carolina at Chapel Hill, School of Medicine. In 2004, she joined the Division of Intramural Research (DIR) as a Health Scientist Administrator and Senior Staff Scientist in the Office of the NIEHS Scientific Director. Within DIR she serves as a specialist in toxicology, mouse genetics, molecular genetics, and pathology. She has served as the Program Director for the Director’s Challenge Program: DIR Program in Integrative Research; a multi-disciplinary program designed to integrate patient-oriented (clinical) or public health research with basic biological and mechanistic studies in an effort to understand how environmental exposures modulate or regulate physiological processes that may lead to human disease.

Dr. Packenham has received several awards, including the NIH Award of Merit and the National 2010 Women of Color in Science Technology Engineering and Mathematics (STEM) award.

Nancy Palate, *California Department of Public Health*

Workshop Presenter: “From Theory to Practice: Successful Communication Approaches that Build Trust”

Nancy Palate is a community health educator for the California Department of Public Health with over 12 years of experience in community outreach, participation, and health education. Palate is part of the program staff for California’s Cooperative Agreement with the federal Agency for Toxic Substances and Disease Registry where she works alongside a team of public health scientists who conduct investigations on the potential impact that some hazardous sites may have on the health of some of the communities across the state.



Alice Park, *Community-Campus Partnerships for Health (CCPH)*

Session Presenter: “Addressing ‘Research Disparities’: Building Connections to Build Capacity”

Moderator and Panelist: “Institutional Review Boards and Community Engaged Research: How can Universities and Community Organizations Work Together to Strengthen the Ethics Review of Community Based Research?”

Alice Park, M.P.H., is the national study coordinator for Community-Campus Partnerships for Health (CCPH). She coordinates the multi-site project “A National Collaborative Study of Community-Based Processes for Research Ethics Review” that examines five community-based research ethics review processes and how they compare with academic Institutional Review Boards. Ms. Park came to CCPH from Washington State University Extension, where she worked as program manager for the King County Food & Fitness Initiative, a project that brings together diverse community partners to co-create long-term, innovative strategies to achieve equitable access to resources and choices that promote health. Previously, she worked as lead project coordinator in the Urban Indian Health Institute division of the Seattle Indian Health Board, a national urban Indian Epidemiology Center.

Ms. Park received her master’s in public health from the University of Washington and has a B.S. in biochemistry from the University of California, San Diego. Her previous research experience has been on breast cancer, children with chronic conditions, and maternal and child health. She has worked at the Center for Health Studies at Group Health Cooperative, where she served as project manager for a multi-site Breast Cancer Surveillance grant. She worked as information system specialist for participants of the Health Disparities Diabetes Collaborative in the Pacific West Cluster and as epidemiologist with Public Health-Seattle & King County within the Epidemiology, Planning and Evaluation Unit. In her spare time, she serves on the Board of Directors for the Community Coalition for Environmental Justice, an organization working to achieve environmental and economic justice in low income communities and communities of color. She also works with the Program for Early Parenthood Support, leading twelve week-long new parent support groups.

Bryan Parras, *Texas Environmental Justice Advocacy Services (T.E.J.A.S.)*

Workshop Presenter: “Enhancing Engagement in Community Research with Theatre of the Oppressed”

Bryan Parras is a Houston filmmaker who specializes in documentation of environmental and social justice movement stories. As organizer / media coordinator of T.E.J.A.S. (Texas Environmental Justice Advocacy Services), Parras has recently worked on location throughout the South and Southwest chronicling events in greater New Orleans and rural Louisiana after hurricanes Katrina and Rita, environmental justice and immigrant rights actions in Houston’s Manchester neighborhood and Taylor Texas, and the huge groundswell of support for unjustly incarcerated African-American youth in Jena, La. Parras was named a Gulf Coast Fund spokesperson for the state of Texas, was awarded a Gulf Fund Transformational Fellowship (2008 – 2010), serves on the board of the Environmental Support Center and the Gulf Fund, and works actively as a regional correspondent with Bridge the Gulf.

Parras is a Theatre of the Oppressed (TO) practitioner and also specializes in videography/still photography documentation of the TO process, and video-photo environmental journalism. He has created video TO



training materials for the NIEHS and collaborated with numerous regional environmental justice organizations and the U.S. Environmental Protection Agency to document conferences, workshops, and regulatory hearings. He has also facilitated TO workshops at the Peoples' Health Movement International Peoples' Health University, NIEHS Partnerships for Environmental Public Health, the IMPACT Ports & Good Movement Project, and the Pedagogy & Theatre of the Oppressed International Conference.

In 2006, Parras collaborated with the NIEHS Center in Environmental Toxicology at University of Texas Medical Branch/Galveston on an environmental health risk survey of storm impact zones in Louisiana, producing a DVD entitled "After the Wind, Child, after the Water's Gone." This project was also documented in the Journal of Health Care for the Poor & Underserved / Meharry College of Medicine in an article entitled, "Hurricane Readiness & Environmental Risks on the Bayous – An NIEHS Community-Based Pilot Project in South Terrebonne-Lafourche Parishes, Louisiana," which Parras researched and co-authored. In collaboration with Mothers for Clean Air/Houston, he co-directed and edited a youth-driven video-voice project about air quality in east Houston entitled, "Wish You Were Here: Stories from the East Side" (2007).

Parras holds a B.S. in psychology and philosophy from the University of Texas at Austin. He co-produces a weekly radio program – Nuestra Palabra: Latino Writers Having Their Say – for Pacifica Network station, KPFT (90.1 FM). He has presented with John Sullivan at numerous U.S. EPA Community Involvement Conferences, the Alaska Environmental Forum, the NIEHS PEPH, and the Pedagogy & Theatre of the Oppressed annual conference (Chapel Hill NC 2006, Austin TX 2010). He is also a founding member of the nationally recognized Librotraficantes, a group of Latino writers and social justice activists who have come together to resist the efforts of the Arizona State Board of Education to discontinue the award-winning Mexican American Studies program in the Tucson Unified School District and ban the use of specifically identified books within the district curriculum.

Kristi Pettibone, National Institute of Environmental Health Sciences

Workshop Presenter: "Evaluating PEPH Activities"

Kristianna Pettibone, Ph.D., has more than 10 years of experience managing, directing, and guiding public health policy research and evaluation projects. She holds a Ph.D. in policy sciences (health policy concentration) from the University of Maryland, Baltimore County. Prior to joining NIEHS, she served as director of the MayaTech Corporation's Center for Community Prevention and Treatment Research. She has worked on evaluations of several federal grant portfolios including CDC's Injury Control Research Centers and motor vehicle injuries and NIEHS' endocrine disruptor, nanotechnology health and safety, and neurodegeneration portfolios.

Ana Pomales, Agency for Toxic Substances and Disease Registry (ATSDR)

Workshop Presenter: "Community Outreach and Collaboration with Philadelphia Inner City Neighborhoods Impacted by Former Lead Smelters"

Ana Pomales, M.S., joined the Agency for Toxic Substances and Disease Registry in Philadelphia in 2006 as an environmental health scientist. She works with state and other federal agencies to evaluate environmental health issues or other environmental hazards associated with hazardous waste sites and facilities. She is



responsible for communicating the findings of these evaluations to various stakeholders including state agencies and communities. Ana has a B.S. in natural sciences and an M.S. in environmental health, both from the University of Puerto Rico.

Molly Puente, National Institute of Environmental Health Sciences

Session Lead: “Challenges and Opportunities for Supporting Community Based Research to Address Environmental Health Disparities and Environmental Justice”

Molly Puente, Ph.D., has been a grants management specialist with the NIEHS since May of 2011. She is the lead specialist for the Children’s Environmental Health and Disease Prevention Research Centers, the Research to Action program, the Human Health Effects of Climate Change program, and the Puberty Studies in the Breast Cancer and the Environment Research Program. Before coming to NIEHS, Puente was a grants management specialist for the National Center for Research Resources (NCRR) for two years, and a Presidential Management Fellow at NIH for two years, where she rotated through a variety of grants management offices. Puente has a Ph.D. in entomology and a master’s in public administration from North Carolina State University and a B.S. in biology from Duke University.

Sara Quandt, Wake Forest School of Medicine

Session Presenter: “Effectively Reaching Underserved Populations: Lessons Learned on Culturally Appropriate Communication Strategies and Tools”

Sara A. Quandt, Ph.D., is professor of epidemiology and prevention in the Division of Public Health Sciences, Wake Forest School of Medicine, with appointments in Family and Community Medicine and the Translational Science Institute. She received her doctoral degree in anthropology and human nutrition at Michigan State University. Quandt focuses on issues of rural and minority health disparities, using a community-based participatory framework. Her research interests include occupational and environmental health of immigrant workers, nutrition and chronic disease management among older adults, and social justice approaches to improving the local food environment. She is the author of over 290 papers and has edited several monographs, most recently, *Latino Farmworkers in the Eastern United States: Health, Safety and Justice* (with Thomas A. Arcury, Springer, 2009).

Nishadi Rajapakse, National Institute of Minority Health Disparities

Session Lead: “Examining Environmental Determinants of Health and Engaging Communities around EPH Issues Using Geographic and Spatial Analysis”

Nishadi Rajapakse, Ph.D., is a program director at the National Institute on Minority Health and Health Disparities (NIMHD) and directs a research portfolio of health disparities initiatives. She directs the Basic and Applied Biomedical Research (RO1) program and Environmental Health Disparities Centers of Excellence initiatives (P20 and P60). She is a member of several trans-USG collaborative efforts, including the President’s Task Force on Environmental Health Risks and Safety Risks to Children, the focus of which is the reduction of asthma disparities across racial and ethnic populations.



Rajakpase received her Ph.D. in molecular medicine & translational sciences from Wake Forest University (2004). Her research focused on traumatic brain injury in adults and newborn infants and developing therapies to mitigate mortality. She completed her postdoctoral fellowship in genetic epidemiology at NIEHS where she examined genetic and environmental risk factors in the development of cardiovascular disease and rheumatoid arthritis. Rajapakse also holds a master's degree in clinical research from Duke University. She has published more than 25 peer-reviewed articles in biomedical journals and serves as a guest editor for the Journal of Health Care for the Poor and Underserved.

Monica Ramirez-Andreotta, Northeastern University

Session Presenter: "Effectively Reaching Underserved Populations: Lessons Learned on Culturally Appropriate Communication Strategies and Tools"

Monica Ramirez-Andreotta, Ph.D., received a Ph.D. in environmental science from the University of Arizona (UA) that focused on integrating the fundamentals of environmental science, human exposure assessment, and developing participatory approaches to research in order to achieve environmental health justice. She also has a Master of Public Administration in environmental science and policy from Columbia University, and her undergraduate degrees are in ecology & evolutionary biology and photography. Her dissertation was entitled, "Designing a Comprehensive, Integrated Approach for Environmental Research Translation: The *Gardenroots* Project to Empower Communities Neighboring Contamination," where she conducted a controlled greenhouse study in parallel with a co-created citizen science program to characterize the uptake of arsenic by homegrown vegetables near a Superfund site in Arizona. To complete her doctoral degree, Monica received a Superfund Research Program Training Fellowship, UA Diversity Fellowship, NASA Space Grant Graduate Fellowship, National Action Council for Minorities in Engineering Scholarship, and was a UA Water Sustainability Program Graduate Fellow. In 2011, she was named the 14th recipient of the National Institute of Environmental Health Sciences' Karen Wetterhahn Memorial Award.

She is the former research translation coordinator for the UA Superfund Research Program, and has extensive experience transferring information and technology from researchers into the hands of stakeholders at all levels. Some of her activities included building linkages and partnerships with government agencies and community advisory boards, creating innovative bilingual communication tools, and conducting informal science learning experiences for people of all ages. Additionally, she worked at the Flandrau Science Center and Center for Creative Photography. Recently, she was an Arizona Assurance Mentor, ensuring that in-state, first generation college students stay in school and succeed, a guest speaker for the Woman In Science and Engineering's Expanding Your Horizons Conferences, and sat on the Pima County Department of Environmental Quality's Advisory Council. Currently, she is a Postdoctoral Research Fellow at the Social Science Environmental Health Research Institute at Northeastern University.



Damaris Reyes, *Good Old Lower East Side*

Workshop Presenter: “Using Research Data to Educate, Advocate, and Organize: Community-Academic Collaboration as a Way to Enhance EJ Campaigns”

Damaris Reyes is the executive director of Good Old Lower East Side (GOLES) and has been with the organization since 2000. She is a lifelong resident of the Lower East Side and has been involved in community organizing and housing issues both locally and nationally for more than a decade. Reyes currently sits on the board of the Association for Neighborhood Housing and Development, the Center for Neighborhood Leadership advisory board, and the Land Use, Zoning & Housing Committee of Manhattan Community Board 3.

She is the recipient of the 2006 New York Women’s Foundation’s Helen La Kelly Hunt Neighborhood Leadership Award, the 2008 Urban Agenda Visionary Award, and the proud winner of the 2009 Jane Jacobs Medal from the Rockefeller Foundation and the Municipal Arts Society, given to individuals whose work creates new ways of seeing and understanding our City, challenges traditional assumptions and creatively uses the urban environment to make New York City a place of hope and expectation. Along with Watkins, she is Co-PI of the GOLES Environmental Justice Collaborative and the GoLES Healthy Aging Program. She is also the chair of the Community Steering Committee of the NIMHD-EPA funded Environmental Health Core at Weill Cornell Medical College.

John Ruffin, *National Institute of Minority Health Disparities*

Welcome Speaker

John Ruffin, Ph.D., is the director of the National Institute on Minority Health and Health Disparities (NIMHD). He oversees the NIMHD budget of approximately \$276 million. In addition, he provides leadership for the minority health and health disparities research activities of the National Institutes of Health (NIH), which constitutes an annual budget of approximately \$2.8 billion.

He is a well-respected leader and visionary in the field of minority health and health disparities. As an academician and a scientist, he has devoted his professional career to improving the health status of racial and ethnic minorities and other underserved populations. He has an impressive track record of developing and supporting programs to increase the cadre of minority scientists, physicians, and other health professionals, as well as attract a diverse group of researchers to the health disparities field. His success has been due in large part to his ability to motivate others, and his expertise in strategic planning, administration, and the development of numerous collaborative partnerships. He has led the transformation of the NIH minority health and health disparities research agenda from a programmatic concept to an institutional reality with the transition of the administratively-established NIH Office of Minority Programs to the legislative creation of the Office of Research on Minority Health, the National Center on Minority Health and Health Disparities, and now the National Institute on Minority Health and Health Disparities.

As the NIH federal official for minority health disparities research, Ruffin has planned and brought to fruition the largest biomedical research program in the nation aimed at efforts to eliminate health disparities. The hallmark of his approach is to foster and expand strategic partnerships in throughout the federal government, state agencies, community organizations, academic institutions, the private sector, as well as



international governments and non-governmental organizations. Under his leadership, the NIH convened the first “Science of Eliminating Health Disparities Summit” in December 2008 to showcase the work, progress, and challenges of the NIH and its many federal and non-federal government partners involved in minority health and health disparities research.

Ruffin has a stellar record of professional achievement including an honorary doctor of science degree from Spelman College, Tuskegee University, University of Massachusetts in Boston, North Carolina State University, Morehouse School of Medicine, Meharry Medical College, Tulane University and Dillard University. He has been recognized by various professional, non-profit, and advocacy organizations. He has also received the Martin Luther King Jr., Legacy Award for National Service, the Department of Health and Human Services’ Special Recognition Award; and the U.S. Presidential Merit Award. Ruffin received a B.S. in biology from Dillard University, a M.S. in biology from Atlanta University, a Ph.D. in systematic and developmental biology from Kansas State University, and completed post-doctoral studies in biology at Harvard University.

Patrick Ryan, Cincinnati Children’s Hospital Medical Center

Session Presenter: “Research to Action: Translational Research to Address Health Disparities and Environmental Inequities”

Patrick H. Ryan, Ph.D., is an assistant professor of pediatrics and environmental health at Cincinnati Children’s Hospital Medical Center and the University of Cincinnati. Ryan is an environmental epidemiologist with research interests in the fields of air pollution epidemiology and exposure assessment. He is the PI on a number of NIH grants related to the study of air pollution and neurobehavioral development in childhood, the assessment of personal exposure to ultrafine particles in asthmatic children, and the impact of traffic-related air pollution at schools. Other research interests include studies of indoor pollutants and mold, environmental exposure to asbestos in Libby, Mont., and the elemental composition of PM_{2.5}.

Madeleine Kangsen Scammell, Boston University School of Public Health

Workshop Presenter: “Environmental Health Research and Environmental Injustice: Do No Harm”

Madeleine Kangsen Scammell, D.Sc., is an assistant professor of Environmental Health at Boston University School of Public Health where she also directs Community Engagement and Research Translation Cores of the Boston University Superfund Research Program. Her research interests include developing new analytic methods to study environmental health and cumulative burden, incorporating qualitative social sciences. Scammell serves on the Board of Health in the City of Chelsea, Mass., and is a member of the board of directors of the Science & Environmental Health Network.



Laurel Schaider, *Harvard School of Public Health*

Session Presenter: “Research to Action: Translational Research to Address Health Disparities and Environmental Inequities”

Laurel Schaider, Ph.D., is a research associate at the Harvard School of Public Health, where she is the lead investigator of an R21 Research to Action study of mercury exposure in recreational and subsistence fishermen in rural Oklahoma. She has conducted studies of metal fate and transport at the nearby Tar Creek Superfund Site. She is also a research scientist at Silent Spring Institute in Newton, Mass., where she leads the Institute’s research on emerging contaminants in groundwater and drinking water on Cape Cod. Her research interests lie in understanding the fate and transport of contaminants in the environment and links to human exposure. Schaider earned her M.S. and Ph.D. in environmental engineering at the University of California, Berkeley, and a bachelor’s degree in environmental engineering science from MIT. She has taught ecology and environmental engineering courses at MIT and Northeastern University.

Amy J. Schulz, *University of Michigan*

Session Presenter: “Cumulative Exposures: The Role of Epidemiology in Elucidating Environmental Contributions to Health Disparities”

Workshop Presenter: “Community Training to Inform Policy Makers about Environmental Exposures and Health”

Amy J. Schulz, Ph.D., is professor in the Department of Health Behavior and Health Education at the University of Michigan School of Public Health (UMSPH). She was a founding member of the Detroit Community-Academic Urban Research Center (Detroit URC) and has been engaged in ongoing etiologic and intervention research in Detroit, examining effects of physical and social environmental characteristics on cardiovascular disease for over a decade. She has considerable experience working with and facilitating community-based participatory research (CBPR) partnerships and is a leading contributor to the literature on engaging community, academic, and public health practice partners in participatory research and intervention efforts. Schulz has served as the principal investigator for the Healthy Environments Partnership since 2000, with funding from NIEHS, NIMHD, and the Aetna Foundation. In that capacity, she has conducted etiologic research on the effects of air pollution on blood pressure in Detroit, including the role of obesity, psychosocial stress, and antioxidant dietary intakes as effect modifiers of relationships between exposure to air pollutants and blood pressure. Schulz has worked closely with interdisciplinary teams of public health professionals and academic researchers to integrate research findings into the development and implementation of community-based interventions to address social and physical environmental determinants of health.



Drew Serres, New Kensington Community Development Corporation

Workshop Presenter: “Community Outreach and Collaboration with Philadelphia Inner City Neighborhoods Impacted by Former Lead Smelters”

Drew Serres is a community organizer focused on intersectional social justice efforts. Serres currently serves as an AmeriCorps VISTA (Volunteer in Service to America) at New Kensington Community Development Corporation in Philadelphia, where he supports neighborhood empowerment and engagement initiatives. Serres previously worked as the branches coordinator for the Northwest Institute for Community Enrichment to facilitate trainings, local team growth, and collaborative outreach. Serres also manages OrganizingChange.org, which is a space dedicated to impactful skill-building, dismantling injustice, and strategic organizing for change makers.

David Shuffler, Jr., Youth Ministries for Peace and Justice

Workshop Presenter: “Using Research Data to Educate, Advocate, and Organize: Community-Academic Collaboration as a Way to Enhance EJ Campaigns”

David Shuffler, Jr. is only the second executive director in the history of Youth Ministries for Peace and Justice (YMPJ). YMPJ was founded in 1994 in response to the lack of youth development organizations in the Bronx River/Soundview Neighborhoods. YMPJ’s mission is to work with community stakeholders to transform the systems and infrastructure that are currently in place that impact on this community. Shuffler was born, raised, and continues to live in this very neighborhood.

Shuffler has many years of experience as a trainer of community organizing and housing policy & development and as a trainer of grassroots community organizing campaigns and other related organizing topics. Shuffler continues to be a mover and shaker influencing varying levels of government on local issues. Over his career Shuffler has been able to harness over \$50 million to support community organizing across New York City.

Kenneth Smith, National Association of County and City Health Officials

Session Presenter: “Using Health Impact Assessments (HIAs) to Address Environmental Health Disparities and Create Equity in Communities”

Kenneth D. Smith, Ph.D., received his doctorate from the Johns Hopkins University Bloomberg School of Public Health, where he studied population economics. He has over 10 years of experience as a researcher, with expertise in health care financing, applied econometric methods, program evaluation and design, and health professional workforce issues. Smith provides technical assistance to National Association of County and City Health Officials (NACCHO) members on land-use and transportation planning and chronic disease prevention and management. He is the principal investigator for a CDC cooperative agreement to implement help promote and implement Health in All Policies through a series of regional training academies, and he is the project director for the NACCHO-Pew Health Impact Assessment Mentorship Program. Through one-on-one consultations, on-site and webinar trainings, facilitated peer-to-peer mentorship, and policy brief development, Smith helps municipalities across the country build healthier



communities. Smith also supports NACCHO's government affairs staff in policy development and advocacy around chronic disease prevention and healthy community design.

Doug Stevens, Salish Kootenai College

Session Presenter: "Addressing 'Research Disparities': Building Connections to Build Capacity"

Doug Stevens, Ph.D., has been at Salish Kootenai College (SKC) since 2000. He holds a Ph.D. in toxicology from Washington State University (1989). His thesis research involved the study of cyanobacterial neurotoxins. Stevens is head of SKC's Department of Life Sciences, and director of the SKC Environmental Chemistry Lab (SKC-ECL). He has been responsible for the development of SKC's BS (Life Sciences) - the first fully accredited, molecular-based, four-year science program offered at a tribal college. The degree program offers two tracks – cellular biology and environmental health, and undergraduate research forms an integral part of the program. The focus of the undergraduate student research at SKC-ECL has been the movement of heavy metals (Hg, Se, and As) through the food web and into traditional diets. The ultimate purpose of this research is to evaluate the benefits and risks that may be posed by these foods. In 2011, Stevens was awarded the SACNAS Mentor of the Year for Community and Tribal Colleges.

Wilma Subra, Subra Company

Session Presenter: "Conflicts over Research that Identifies Community Impacts of Environmental Exposures"

Wilma Subra, M.S., is president of Subra Company and provided technical assistance to citizens, across the United States and some foreign countries, concerned with their environment and human health, by combining technical research and evaluation. This information is then presented to community members so that strategies may be developed to address their local struggles.

She has a B.S. and M.S. in microbiology and chemistry from the University of Southwestern Louisiana (University of Louisiana at Lafayette). She has over 45 years of experience in sampling and chemical and microbiologic analysis of ground water and surface water resources, monitoring impacts on water resources, monitoring the environmental impacts of oil and gas drilling and production activities, oil and gas waste treatment and disposal practices and associated environmental and human health impacts, environmental and human health impacts of injection well operations, analysis of chemical components in drilling fluids, pit construction and resulting contamination from pit operations, and environmental and human health impacts of shale development.

Subra's current work is focused on the environmental impacts of various aspects of shale development, the human health impacts associated with various specific units and activities of shale development, the development of appropriate parameters for monitoring ground water and surface water resources to detect impacts of shale development, and the development of guidelines for the regulation of state programs dealing with shale gas development.

Utilizing the information gained from community involvement, the needs identified are translated into policy changes at the state and federal level through service on multi-stake holder committees. She has



completed a seven year term as Vice-Chair of the Environmental Protection Agency National Advisory Council for Environmental Policy and Technology (NACEPT), a five year term on the National Advisory Committee of the U. S. Representative to the Commission for Environmental Cooperation and a six year term on the EPA National Environmental Justice Advisory Council (NEJAC) where she served as a member of the Cumulative Risk and Impacts Working Group of the NEJAC Council, and chaired the NEJAC Gulf Coast Hurricanes Work Group.

In 2011, she chaired the Environmental Protection Agency Technical Workshop for the Hydraulic Fracturing Study on Chemical and Analytical Methods. She participated in the EPA Technical Roundtables on Water Acquisition, Chemical Mixing, and Well Injection in November 2012. She co-chaired the EPA Analytical Chemical Methods Workshop in February 2013.

She received the MacArthur Fellowship “Genius” Award from the MacArthur Foundation in 1999 for helping ordinary citizens understand, cope with and combat environmental issues in their communities. She also received the 2011 Domestic Human Rights Award from the Global Exchange for her dedication to human rights issues.

John Sullivan, University of Texas Medical Branch, Galveston

Session Moderator: “Conflicts over Research that Identifies Community Impacts of Environmental Exposures”

Workshop Presenter: “Enhancing Engagement in Community Research with Theatre of the Oppressed”

John Sullivan currently directs the Public Forum & Toxics Assistance Division of the University of Texas Medical Branch NIEHS Center in Environmental Toxicology Community Outreach and Education Core. He uses Augusto Boal’s image and Forum Theater techniques to teach toxicological concepts, create public dialogues on environmental risk and the health and social effects of toxic exposures, and develop bidirectional capacity for researchers and community members to effectively collaborate in Community Based Participatory Research. He also coordinates activities of the Community Science Workshop, a facet of University of Texas Medical Branch’s Institute for Translational Science/CTSA Center for Community Engagement.

As an artist, Sullivan has worked as a writer, playwright, director, poet, performance artist, and arts educator. He is the recipient of numerous writing awards and honors including the Jack Kerouac Literary Prize, The Writers Voice: New Voices of the West Prize, two fellowships from the Arizona Commission on the Arts, a WESTAF Fellowship, and was the featured playwright at Denver’s Summer Play Festival.



Myra Tetteh, University of Michigan

Workshop Presenter: “Community Training to Inform Policy Makers about Environmental Exposures and Health”

Myra Marie Tetteh is an alumna of the University of Michigan with a Master of Public Policy. Currently, Ms. Tetteh works for the University of Michigan as a Project Coordinator for the Community Outreach and Education Core (COEC) of the Environmental Health Science Lifestage Exposure and Adult Disease (EHS LEAD) Center and as the Project Coordinator for the Community Engagement and Outreach Core (CEOC) for the Center for Integrative Approaches to Health Disparities (CIAHD). In addition to her responsibilities for the School of Public Health, Ms. Tetteh has served as the Detroit Complete Streets Coalition Coordinator for the Detroit Food and Fitness Collaborative since May 2010. In this role, she facilitates coalition meetings between over 15 representative organizations, coordinates events to educate the community and policy makers on complete streets, participates in the writing of a complete streets ordinance, and communicates regularly with coalition members and policymakers. Moreover, Ms. Tetteh serves as a board member for Cherish Our Youth, Inc. a non-profit organization that works with youth aging out of foster care on education, health, and career development. Lastly, Ms. Tetteh is an active member of her church, Grace Community Church of Detroit. In the future, Ms. Tetteh hopes to have a PhD in Health Behavior Health Education Urban Planning and work with municipalities to redevelop their cities with population health as a priority.

Jessica Tovar, Long Beach Alliance for Children with Asthma

Workshop Presenter: “Community-Academic Engagement through Community Monitoring by Neighborhood Assessment Teams (‘A’ Teams) and Production of CBPR Manual”

Jessica Tovar is the new project manager for the Long Beach Alliance for Children with Asthma. She has done extensive work on higher education outreach for youth of color. In addition, Tovar has worked as a maternal child health coordinator for MOMS Orange County, where she provided health education to at-risk underprivileged pregnant mothers and their babies in monthly home visits. Tovar obtained her master’s in social welfare from UCLA, and she is passionate about the work the Long Beach Alliance for Children with Asthma does with the community.

Jose Antonio Tovar, Farmworker Association of Florida

Session Presenter: “Innovative Tools and Technologies for Environmental Public Health Research”

For almost 10 years Jose Antonio Tovar, M.A., worked as a journalist in Latin America; this experience brought him back to academia in order to improve the conditions of poverty he encountered all the time. As social scientist, Tovar’s first two cases could not have been more different: in the first case he worked in a HIV prevention program with sex workers in Cancun, Mexico, and in the second case he worked to improve the nutrition of displaced children in Tegucigalpa, Honduras. For the last ten years Tovar has been able to work with low income populations in rural and urban Florida and urban Texas, looking at their health challenges and their access to health care services. As a medical anthropology Ph.D. student Jose worked with the University of Florida’s College of Nursing, evaluating access to the Florida Department of Health STI clinics; with UF’s Bureau of Business and Economic Research evaluating access to health care in Florida and Houston, Texas; and finally with the University of South Florida’s College of Medicine to test the feasibility,



acceptability, and preliminary effectiveness of a peer-network intervention among adolescent males and females and their friendship networks. However, it was only when he began working at the Farmworker Association of Florida in 2006 that Jose discovered the research model to which he is now committed. The Community-Based Participatory Research model at the Farmworker Association of Florida has partnered both with the Florida Prevention Research Center at the University of South Florida's College of Public Health and also with Emory University's School of Nursing. In the first project, Tovar worked as the project director of the Partnership for Citrus Workers Health preventing eye injuries among citrus harvesters; and in the second one as field coordinator insuring the scientific collection and dissemination of data related to the effects of agricultural work on women and their children.

Carla Truax, University of Southern California

Workshop Presenter: "Community-Academic Engagement through Community Monitoring by Neighborhood Assessment Teams ('A' Teams) and Production of CBPR Manual"

Carla Truax, M.P.H., serves as the program manager for the Community Outreach and Engagement Program of the Southern California Environmental Health Sciences Center (SCEHSC) at the Keck School of Medicine at University of Southern California. Her outreach activities include giving presentations and leading workshops for community organizations, training residents to carry out community-based research on air pollution and traffic, and creating educational materials on Center research results. She also serves as the coordinator for the Trade, Health, and Environment Impact Project, a community-academic collaborative working to reduce the health and community impacts from ports and goods movement. Truax has a background in environmental studies and public health, earning her B.A. from Hamline University in 2005 and completing her master's degree in public health at the University of Southern California in 2011.

Eric Wat, Special Service for Groups

Presenter: "Institutional Review Boards and Community Engaged Research: How can Universities and Community Organizations Work Together to Strengthen the Ethics Review of Community Based Research?"

Eric C. Wat is the director of the Research & Evaluation (R&E) Unit at Special Service for Groups (SSG), a nonprofit organization based primarily in Los Angeles. The R&E unit provides program evaluation services and technical assistance to SSG programs and their community partners. In addition, the R&E unit trains community members in conducting participatory action research to address issues that are most important to them and engage them throughout all phases of the research process, from design to dissemination and data use. Wat also administers the SSG-IRB, which was registered with DHHS OHRP since 2004. It is one of a handful of community-based IRBs that aim to empower community partners in research collaboration.



Beverly-Xaviera Watkins, Weill Cornell Medical College

Session Presenter: “Examining Environmental Determinants of Health and Engaging Communities around EPH Issues Using Geographic and Spatial Analysis”

Workshop Presenter: “Using Research Data to Educate, Advocate, and Organize: Community-Academic Collaboration as a Way to Enhance EJ Campaigns”

Beverly-Xaviera Watkins is the director/principal investigator of the NIMHD/EPA-funded Environmental Health Core of the Center for Excellence in Health Disparities Research and Community Engagement at Weill Cornell Medical College. She is also the director/principal investigator of two community-academic research partnerships: the NIEHS-funded Good Old Lower East Side, GoLES, Environmental Justice Collaborative and the Fan Fox and Leslie R Samuels Foundation-funded GoLES Healthy Aging Program. As a community-based research scientist and health care provider with a 14-year track record in community-based programs and projects, Watkins has worked extensively throughout NYC communities of color, serving as a consultant to labor unions and community-based environmental, housing, and social justice organizations in both paid and voluntary positions.

LaToria Whitehead, Centers for Disease Control and Prevention (CDC)

Session Moderator: “Using Health Impact Assessments (HIAs) to Address Environmental Health Disparities and Create Equity in Communities”

LaToria Whitehead, Ph.D., currently serves as the Environmental Justice Officer, of the Division of Emergency and Environmental Health Services at CDC’s National Center for Environmental Health, and an Adjunct Professor in the Political Science Department at Spelman College. She received her B.S.H. and M.P.H. degrees in health science and public health from the University of North Florida and Mercer University School of Medicine, and her Ph.D. in Political Science from Clark Atlanta University. In her prior position at CDC, as a Public Health Advisor, Dr. Whitehead was instrumental in collaborating state programs and environmental justice organizations, to reduce and mitigate, environmental health disparities experienced by underserved populations. From her dissertation work, *“The Influence of Non-Governmental Organizations on Public Policy: A Case Study on Childhood Lead Poisoning in Savannah, Georgia”*, she created a model that addresses environmental justice issues from a political, social, and economics lens. She is the lead author and co-author on several environmental justice publications, and was honored in 2013 as a visionary and innovative leader in Science, Technology, Engineering, and Mathematics (STEM) field. Dr. Whitehead’s research interests include environmental justice, public/urban policy, theory and methods, and American government. She has one 11- year-old son, Kelly Thompson II.



Donele Wilkins, University of Michigan

Workshop Presenter: “Community Training to Inform Policy Makers about Environmental Exposures and Health”

Leader, visionary, results oriented, Donele Wilkins has demonstrated servant leadership in her hometown Detroit for nearly 20 years. First, by leading the local movement for environmental justice on the front lines and secondarily, expanding to achieving true sustainability for all. Her leadership style has motivated many to take their place in a truly transforming movement. Her achievements include the participation in the development and adoption of an Environmental Justice Policy in the state of Michigan, conceived and launched the first Green Jobs Training Program in the city. She has been an advocate for citizen involvement in Brownfield Redevelopment as well as other environmental policy, placing environmental stewardship on the agenda of many community leaders and decision makers. Wilkins is noted for inspiring young people to take a lead in their communities. As the founder of the Green Door Initiative, Wilkins plans to take, not only the city of Detroit to the next level of environmental stewardship, but the nation. The Green Door Initiative stands out as a national model for sustainable living through civic engagement for everyone!

Sacoby Wilson, University of Maryland

Session Presenter: “Addressing ‘Research Disparities’: Building Connections to Build Capacity”

Sacoby M. Wilson, Ph.D., is director of the Program on Community Engagement, Environmental Justice, and Health (CEEJH) at the University of Maryland-College Park. He is also Co-PI of the EPA/NIMHD funded Environmental Health (EH) Core for the University of South Carolina’s P30-funded Coordinating Center of Excellence in the Social Promotion of Health Equity through Research, Education, and Community Engagement (CCE-SPHERE) led by Saundra Glover. The EH Core is focused on the use of Geographic Information Systems (GIS), community-based participatory research (CBPR), community-university partnerships, and the environmental justice framework to study and address differential burden and exposure to pollution and related environmental health disparities in the state of South Carolina. The EH Core is using GIS, block assessment methodology, and spatial statistics to assess: 1) the burden of environmental hazards including Superfund sites, brownfields, landfills, air emitters, and Toxic Release Inventory (TRI) facilities; and 2) distribution of and access to salutogenic and pathogenic infrastructure at the neighborhood level including fast food restaurants, supermarkets, banks, schools, pawn shops, medical resources, and other infrastructure. In addition, the EH Core is using Photovoice, environmental health surveys, National Air Toxics Assessment (NATA) data, and South Carolina SEER data to assess and compare perception of cancer risks with actual cancer risks in the state with a focus on Orangeburg and Charleston, South Carolina. As part of dissemination, capacity-building, and empowerment efforts, the EH Core has developed the EJ Radar, a public participatory GIS (PPGIS) tool that impacted residents can use to map environmental health data in the state of South Carolina. This tool will allow residents to assess disparities in burden, exposure, and infrastructure at the state level and residents and policymakers will be able to use the maps to inform environmental decision-making at the state level.



Steven Wing, University of North Carolina, Chapel Hill

Session Lead: “Conflicts over Research that Identifies Community Impacts of Environmental Exposures”

Workshop Presenter: “Environmental Health Research and Environmental Injustice: Do No Harm”

Steve Wing received his Ph.D. in epidemiology from the University of North Carolina, Chapel Hill, where he is an associate professor. His research and teaching are primarily in the areas of occupational and environmental health. Recent work has focused on environmental injustice and health effects of ionizing radiation, industrial animal production, sewage sludge, and landfills. He has collaborated on health and exposure studies with communities and workers impacted by threats to environmental and occupational health.

Sara Wylie, Northeastern University

Session Presenter: “Innovative Tools and Technologies for Environmental Public Health Research”

Sara Wylie, Ph.D., seeks to develop new modes of studying and intervening in large-scale social issues such as endocrine disrupting chemicals through a fusion of social scientific, scientific and art/design practices. Wylie is the director of Toxics and Health Research for Public Laboratory for Open Technology and Science, and has a joint appointment between Health Sciences and the Sociology/Anthropology program as part of Northeastern’s new Institute of Social Science and Environmental Health Research. She completed her Ph.D. in MIT’s History, Anthropology, Science, Technology and Society (HASTS) Program in 2011.

Her dissertation, entitled “Corporate Bodies and Chemical Bonds: an STS analysis of the American Natural Gas Industry,” involved ethnographic study with The Endocrine Disruption Exchange, a non-profit founded by Theo Colborn, lead author of *Our Stolen Future*, whose independent research on chemicals used in natural gas extraction influenced national discussions of hydraulic fracturing. Ethnographic study with this organization and communities experiencing natural gas extraction led to her development of web-based tools to help communities and experts across the country study and hold extractive industries accountable for their social and environmental impacts. This project called ExtrAct was developed in collaboration with artist and technologist Chris Csikszentmihalyi in MIT’s Center for Civic Media. Following her interest in digital media, Wylie taught classes on practicing social science critique of science and technology through art and design and co-lead a research group with Jeff Warren on Environmental Justice in Rhode Island School of Design’s (RISD), Digital+Media Department. In 2011 Wylie co-founded a non-profit dedicated to developing open source, Do-It-Yourself tools for community based environmental health research, Public Laboratory for Open Technology and Science (PLOTS-publiclaboratory.org). PLOTS won a Knight Foundation’s News Challenge Grant in the summer of 2011.

