POSTER SESSION LIST

Tuesday, December 6, 2016

1. Dietary Exposure of Pregnant Women in Suriname to Pesticides, Firoz Abdoel Wahid, Tulane University
2. Ω-Hydroxylation Activity of Cytochrome P450 4A11 is Attenuated in the Presence of Hydrogen Peroxide: Potential Relevance to Hypertension, Matthew Albertolle, Vanderbilt University
3. PCB Concentrations in Women Based on Breast Feeding History: NHANES 2001-2004, Cecilia Alcala, Tulane University
4. Modulating the Placental Transport of an Estrogenic Mycotoxin through Genetics and Lipid Raft Signaling, Lauren Aleksunes, Rutgers University
5. The impact of measurement error in epidemiologic studies on burden estimates, Breanna Alman, U.S. Environmental Protection Agency
6. The Center for Research on Early Childhood Exposure and Development (CRECE), Deborah Watkins, University of Michigan
7. Growth acceleration: Examining associations of in utero exposures to BPA and phthalates on dynamics of infant’s BMI growth, Jonggyu Baek, University of Michigan
8. The Impact of Pesticides on Latino Farmworkers’ Functional Brain Networks, Mohsen Bahrami, Wake Forest School of Medicine
9. Social determinants of risk and attitudes about asbestos in a Superfund Environmental Justice community, Frances Barg, University of Pennsylvania
10. The Study of Asian Women, their Offspring’s Development and Environmental Exposures: The SAWASDEE Birth Cohort Study in Northern Thailand, Dana Barr, Emory University
11. Enhanced bioaccumulation of arsenic in aquatic food webs of contaminated, weakly stratified lakes in the Puget Sound lowland, Pamela Barrett, University of Washington
12. Using mobile and digital technology to improve cohort management in the Duke NICHES cohort, Caroline Barry, Duke University
13. Expanding environmental health knowledge of health specialists to facilitate home visit education of clients, Catherine Borkowski, Northeastern University
14. Coal combustion residual (CCR) uptake and oxidative stress profiles in fathead minnows following dietary exposure to biofilm and plankton collected from a CCR-impacted lake, Jessica Brandt, Duke University
15. Whole Health Hula Hooping, Traci Brown, Harvard University
16. Ambient PM2.5 exposure in pregnancy, maternal prenatal antioxidant intakes, and infant autonomic response, Kelly Brunst, University of Cincinnati
17. Heavy Metal Analysis of Potable Water Sources: An Educational Activity to Introduce Undergraduate Students to Toxicology, Brian Buckley, Rutgers University
18. Endometriosis and Environmental Endocrine Disrupting Chemical Exposure: Bisphenol AF potentiates the development of endometriosis in a mouse model, Katherine Burns, University of Cincinnati
19. NYU: Community engagement, communications and global environmental health, Susan Cataldo, New York University
21. Mitochondrial Neurotoxic Pesticides Promote Epigenetic Dysregulation by Histone Hyperacetylation in Dopaminergic Neurons, Adhithiya Charli, Iowa State University
22. Private well arsenic-testing outreach-pilot targets children, unborn babies through health care providers, Steven Chillrud, Columbia University
23. Prenatal Exposure to Particulate Air Pollution and Anthropometry in Urban Children: Sensitive Windows and Sex Difference, Yueh-Hsiu Mathilda Chiu, Icahn School of Medicine at Mount Sinai
24. Toxic Realities and their Ramifications for Community Engagement, Justin Clapp, University of Pennsylvania
25. Gene-Environment Interactions in Silica-induced Autoimmunity, Amy Clark, Duke University
26. Training Products on Biodisasters for Skilled Support Personnel, Jennifer Corbin, Gryphon Scientific, LLC
27. Developmental Neurotoxicity of Inhaled Ambient Ultrafine Particle Air Pollution: Parallels with Neuropathological and Behavioral Features of Autism and Other Neurodevelopmental Disorders, Deborah Cory-Slechta, University of Rochester Medical Center
29. The Effects of Multiple Environmental Factors on the Bioaccumulation of Mercury in an Estuarine Amphipod, Amanda Curtis, Dartmouth College
30. Bayesian non-parametric analysis of mixed-scale densities from epidemiologic studies, Angel Davalos, University of North Carolina
32. Assessing PAH exposure with multiple approaches including silicone wristbands, Holly Dixon, Oregon State University
33. **Communicating Environmental Risk: A Community Assessment Survey**, Christina Ergas, Brown University

34. **Behavioral and sociodemographic predictors of exposure to multiple chemicals associated with ADHD-related behavior in a low income community**, Patricia Fabian, Boston University

35. **Coupling Stress Responses from Circadian Control is Associated with Susceptibility to Mammary Carcinogenesis**, Mingzhu Fang, Rutgers University

36. **Prenatal Arsenic Exposure in Relation to Maternal and Infant Cardiometabolic Outcomes: Findings from the New Hampshire Birth Cohort Study**, Shohreh Farzan, University of Southern California

37. **What Do Child Care Providers Know about Their Role in Protecting Children’s Environmental Health?**, Barbara Fiese, University of Illinois, Urbana-Champaign

38. **Pathways to Health in Vulnerable Populations: CBPR as a Health Screening Intervention**, Joan Flocks, University of Florida

39. **Understanding the relationship between environmental inorganic arsenic and prostate cancer**, Michelle Ford, University of North Carolina, Chapel Hill

40. **Development of methods to connect exposure to wildland fire particulate emissions to health outcomes: A case study from San Diego County, 2007**, Nancy French, Michigan Tech Research Institute (MTRI)


42. **Neighborhood characteristics and health outcomes: Evaluating the association between socioeconomic status, tobacco store density, and morbidity in Baltimore City**, Panagis Galiatsatos, National Institutes of Health

43. **Low-level embryonic exposure to flame retardants and related compounds causes neurobehavioral impairment in zebrafish**, Lilah Glazer, Duke University

44. **Redox proteomics and metabolomics of environmental metals, cadmium and manganese, and association with human health**, Young-Mi Go, Emory University

45. **Fluoride bioaccumulation and enamel fluorosis from chronic exposure through drinking water**, Tewodros Godebo, Duke University

46. **Is phytoremediation a good solution for remediation of asbestos contaminated sites?**, Cedric Gonneau, University of Pennsylvania

47. **Mechanism of rotenone mitotoxicity in C. elegans: role of the glyoxylate pathway**, Claudia Gonzalez-Hunt, Duke University

48. **Strengthening Capacity of Public Health Professionals to Inform Residents about Environmental Health Hazards in Homes**, Neasha Graves, University of North Carolina, Chapel Hill
49. Environmental Health high school curriculum, a collaboration between the University of Washington EDGE Center and ATHENA educators, Marilyn Hair, University of Washington

50. Reduced Lung Function in Adult Mice after Exposure to Environmentally Persistent Free Radicals is Preceded by Vascular Injury, Ashlyn Harmon, Louisiana State University

51. Exposure and Toxicity Assessment of EPFRs in Brain, Farhana Hasan, Louisiana State University

52. Communities Actively Researching Exposure Study (CARES): An Academic-Community Research Partnership to address Manganese Exposure in Children, Erin Haynes, University of Cincinnati

53. Increased Expression of Fmr1 is a Possible Mechanism Underlying Cd-Mediated Perturbation of Behavior, Carson Heck, North Carolina State University

54. In-Vitro Development of a Targeted Mass Spectrometry Protein Assay to Identify Early Stages of Pulmonary Response to Injury, Gina Hilton, North Carolina State University

55. Air Quality Outreach at Childcare Centers in Asthma Prevalent Philadelphia Neighborhoods, Marilyn Howarth, University of Pennsylvania

56. Inorganic arsenic and its methylated metabolites inhibit calcium influx during glucose-stimulated insulin secretion in pancreatic islets, Madelyn Huang, University of North Carolina, Chapel Hill

57. Serum 1,1-dichloro-2,2 bis(4-chlorophenyl)ethane (p,p'-DDE) concentrations in former farmworkers from the Lake Apopka region of Central Florida, Margaret James, University of Florida

58. A Novel Bayes Approach for Predicting Breast Cancer Risk Given Family History, with Application to the NIEHS Sister Study, Yue Jiang, University of North Carolina, Chapel Hill

59. Elevated fetal cord blood cotinine levels associated with increased DNA methylation at the human metastable epiallele PAX8, Rashmi Joglekar, Duke University

60. Using Hollywood to make protective policy on chemicals, Ashlee Johannes, University of Iowa

61. Effect of bisphenol-A (BPA) on F2 Peromyscus californicus pup vocalizations, Sarah Johnson, University of Missouri, Columbia

62. Universal Exposure Surveillance: The Million Metabolome for Exposome Research, Dean Jones, Emory University

63. Influence of in utero exposure to metal mixtures on the Human Placental Gene Network and Fetal Growth, Maya Kappil, Icahn School of Medicine at Mount Sinai

64. Aggravating Factors of Asthma in a Rural Environment (AFARE), Catherine Karr, University of Washington

65. Preterm Birth and Potential Economic Benefits of Reduced Maternal Exposure to Fine Particulate Matter, Jina Kim, U.S. Environmental Protection Agency

66. Determining Male Reproductive Toxicity of Bolus Versus Continuous Exposure to Trichloroethylene, David Klein, Brown University
67. MI-Environment: Promoting Climate-Related Health within Michigan’s Vulnerable Communities, Patricia Koman, University of Michigan

68. Associations of Early Life Water and Dietary Arsenic Exposure with Subsequent Growth and Neurodevelopment, Susan Korrick, Brigham and Women’s Hospital and Harvard University

69. The effects of perinatal exposure to phthalates and a high-fat diet on maternal behavior, indices of pup development, and periadolescent behavior, Daniel Kougias, University of Illinois at Urbana-Champaign

70. Community collaboration addressing cumulative impacts in port-adjacent communities, Robert Laumbach, Rutgers University

71. Evaluating the capacity building outcomes of the HERCULES community grant program, Erin Lebow-Skelley, Emory University

72. The Center for Research on Environmental and Social Stressors in Housing Across the Life Course, Jonathan Levy, Boston University School of Public Health

73. Immune Dysregulation and Autoimmune Responses in Tribal Communities Exposed to Mine Waste and Metal Contaminants, Johnnye Lewis, University of New Mexico

74. Aryl Hydrocarbon Receptor (AHR) Activation by 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) Impairs Early Human B Lymphopoiesis, Jinpeng Li, Michigan State University

75. The Caribbean Consortium for Research in Environmental and Occupational Health: Examining the Impact of Neurotoxicant Exposures on Maternal and Child Health in Suriname, Maureen Lichtveld, Tulane University

76. Environment-Wide Association Study in Autism Spectrum Disorder, Xuanshi Liu, Boston Children’s Hospital

77. Fluorescence Assays for Detection of Arsenic in Water and Foodstuff, Yuanli Liu, University of California, San Diego

78. Dual-biofilm reactive barriers: Field tests of passive destruction of chlorobenzenes in discharging groundwater and wetland sediment, Michelle Lorah, U.S. Geological Survey

79. Indoor Environmental and Air Quality Assessment in Schools in mid-Atlantic Region, Ehsan Majd Faghihi, Johns Hopkins University

80. Prenatal Exposures to Bisphenol A and High Fat Diets are Associated with Increased Lipid Oxidation in Mice and Humans, Elizabeth H. Marchlewicz, University of Michigan

81. Collaborative Research to Action: Empowering an exposed community, Michele Marcus, Emory University

82. Paraoxonases are important in modulating metal-induced oxidative stress, Judit Marsillach, University of Washington

83. Prenatal lead and stress effects on multiple neurotransmitters measured in several brain regions, Omar Mbowe, University of Rochester
84. Deletion of C/EBPβ in Oncogenic Ras Driven Tumors Results in Rapid p53 Dependent Tumor Regression, Zachary Messenger, North Carolina State University
85. WGBS reveals autism-associated hypomethylation and differentially-methylated regions in umbilical cord blood samples from the prospective MARBLES study, Charles Mordaunt, University of California, Davis
86. hiPSCs-CM, new platform to study the effect of environmental toxins on cardiac fibrosis, Maryam Moshref, University of California, Davis
87. a. Metabolic Activation of Nitroarenes by Human Aldo-Keto Reductases (AKR1C1-AKR1C3), Jessica Murray, University of Pennsylvania
   b. Evaluating Cancer Risks for Eastwick: Analysis of Air Toxics and the Clearview Landfill, Jessica Murray, University of Pennsylvania
88. Identification of chemicals that mimic transcriptomic signatures associated with autism and other brain disorders, Smita Paranjape, University of North Carolina, Chapel Hill
89. Coping with risk and uncertainty: Household water and environmental health in the Ethiopian Rift Valley, Christopher Paul, North Carolina Central University
90. Inflammasome activation as a biological outcome of mitochondrial toxicants, Caroline Perry, National Institute of Environmental Health Sciences
91. A Sri Lanka Pilot Study of Cookstove Exposures and Respiratory Health Effects, Michael Phillips, RTI International
92. Second Trimester Amniotic Fluid Bisphenol A Concentration is Associated with Decreased Birth Weight in Term Infants, Sara Pinney, University of Pennsylvania
93. Translating Arsenic Science via Website Development Provides a Paradigm for Addressing Cutting Edge Science and Uncertainty, Laurie Rardin, Dartmouth College
94. Prenatal exposure to di-(2-ethylhexyl) phthalate alters fertility in female mice, Saniya Rattan, University of Illinois at Urbana-Champaign
95. Fate and transport of metals on Native American lands, Lucía Rodríguez-Freire, University of New Mexico
96. a. Low-level methylmercury exposure through rice ingestion in a cohort of pregnant mothers in rural China, Sarah Rothenberg, University of South Carolina
   b. Maternal methylmercury exposure through rice ingestion and offspring neurodevelopment: A prospective cohort study, Sarah Rothenberg, University of South Carolina
97. Highly fluorinated chemicals, phthalates, and zeranol effects on mammary gland development and pubertal timing in humans and a rodent model: rationale for chemical and dose selection, Ruthann Rudel, Silent Spring Institute
<p>| 98. | Center for Children’s Health, the Environment, Microbiome, and Metabolomics (C-CHEM2): Overview and Project 1- Characterizing Exposures in an Urban Environment (CHERUB) Study Preliminary Results, P. Barry Ryan, Emory University |
| 99. | Altered microRNA levels in circulating extracellular vesicles are associated with maternal air pollution exposure during pregnancy, Alison Sanders, Icahn School of Medicine at Mount Sinai |
| 100. | Effects of pubertal exposure to PFOA, BBP and zeranol on endocrine organs of rats, Julia Santucci-Pereira, Temple University Health System |
| 101. | Community Action to Promote Healthy Environments, Amy Schulz, University of Michigan |
| 102. | Early-life insecticide exposure and motor function infants, Monica Silver, University of Michigan |
| 103. | Prenatal phthalate exposures in relation to child temperament at 12 and 24 months, Alison Singer, University of North Carolina, Chapel Hill |
| 104. | Nano-waste: Environmental health and safety (EHS) implications during thermal decomposition/incineration of nano-enabled products, Dilpreet Singh, Harvard University |
| 105. | Toxicity Testing of Black Cohosh Extract, a Popular Botanical Product: from Tox21 qHTS Assays to Human Biomonitoring, Stephanie Smith-Roe, National Toxicology Program/NIEHS |
| 106. | Erectile Dysfunction and Exposure to Ambient Air Pollution in a Nationally Representative Cohort of Older Men, Lindsay Tallon, Northeastern University |
| 107. | Reprogramming of long non-coding RNAs (lncRNA) in prostate cancer cells by bisphenol A and its analogues, Pheruza Tarapore, University of Cincinnati |
| 108. | A novel fluorescent protein based PIG-A mutation assay, Xu Tian, University of North Carolina, Chapel Hill |
| 109. | Evaluating Protein Oxidation in Aquatic Species: Different Assays Applied to Oysters and Fish Exposed to Environmental Stressors, Rafael Trevisan, Duke University |
| 110. | Effects of nicotine on the gut microbiome and its metabolic functions, Pengcheng Tu, University of North Carolina, Chapel Hill |
| 111. | Computational metabolomics: a framework for systematic study of the exposome, Karan Uppal, Emory University |
| 112. | Community Engagement and Research Translation in Puerto Rico’s Northern Karst Region: The PROTECT Superfund Research Program, Carmen Velez, University of Puerto Rico |
| 113. | Metabolomics in Nonalcoholic Fatty Liver Disease: Pathway to Precision Medicine, Miriam Vos, Emory University |
| 114. | Childhood polybrominated diphenyl ether (PBDE) exposure and neurobehavior in children at 8 years, Ann Vuong, University of Cincinnati |
| 115. | Analyzing patterns of co-exposure, Thomas Webster, Boston University |
| 116. | Exposure to Production-Related Contaminants in Bovine Milk and the Impact of Organic vs. Conventional Production Methods, Jean Welsh, Emory University |</p>
<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Author(s)</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>117</td>
<td>Accurate quantification of specific biomarkers for mesothelioma</td>
<td>Liwei Weng</td>
<td>University of Pennsylvania</td>
</tr>
<tr>
<td>118</td>
<td>The Effects of Air Pollution on Severity of Pneumonia in a Metropolitan Area</td>
<td>Jagila Wesley</td>
<td>University of Tennessee</td>
</tr>
<tr>
<td>119</td>
<td>Center for Children’s Health, the Environment, The Microbiome and Metabolomics (C-CHEM2): Engaging Stakeholders, Fostering Relationships, and Creating a Social Media Campaign</td>
<td>Haguerenesh Woldeyohannes</td>
<td>Emory School of Nursing</td>
</tr>
<tr>
<td>120</td>
<td>General Suspect Screening for Potential Novel Chemicals in Pregnant Women in Northern California</td>
<td>Tracey Woodruff</td>
<td>University of California, San Francisco</td>
</tr>
<tr>
<td>121</td>
<td>Arsenic Exposure and Impaired Glucose Homeostasis: The Role of Adequate vs Elevated Folate Intake</td>
<td>Xiaofan Xu</td>
<td>University of North Carolina, Chapel Hill</td>
</tr>
<tr>
<td>122</td>
<td>Association of groundwater constituents with distance to unconventional gas wells and topography in NE Pennsylvania</td>
<td>Beizhan Yan</td>
<td>Columbia University</td>
</tr>
<tr>
<td>123</td>
<td>In Utero Exposure to Bisphenol A Induces Reprogramming of Mammary Development and Tumor risk in MMTV-erbB-2 Transgenic Mice</td>
<td>Xiaohe Yang</td>
<td>North Carolina Central University</td>
</tr>
<tr>
<td>124</td>
<td>Understanding how to communicate health information to adolescents in Northern Manhattan and the South Bronx</td>
<td>Nur Zeinomar</td>
<td>Columbia University</td>
</tr>
<tr>
<td>125</td>
<td>The Case for Universal Screening of Private Well Water Quality in the U.S.: Evidence from Arsenic</td>
<td>Yan Zheng</td>
<td>Columbia University</td>
</tr>
<tr>
<td>126</td>
<td>A Quantitative CouNT Assay for Carbon Nanotube Detection</td>
<td>Zhiguo Zhou</td>
<td>Luna Innovations Inc.</td>
</tr>
</tbody>
</table>
127. The Puerto Rico Testsite for Exploring Contamination Threats (PROTECT) Program, Collen Murphy Vellena, University of Puerto Rico

128. Fish from the New Bedford Harbor Superfund Site exhibit resistance to both ortho- and non-ortho-substituted PCBs, Neel Aluru, Woods Hole Oceanographic Institution and Boston University

129. UC Davis Environmental Health Science Center Community Outreach & Engagement: Dimensions of Engaged Research, Karen Andrade, University of California, Davis

130. Evaluating the performance of gas sensors over a 1 year period in Oakland, CA, Elena Austin, University of Washington

131. In utero pyrethroid pesticide exposure and child cognitive development from 6 to 36 months in the MARBLES longitudinal cohort, Jacqueline Barkoski, University of California, Davis

132. Examining the Feasibility of Engaging Community Navigators to Promote Residential Radon Testing and Follow-up among African American and Latino Women attending a Women’s Health Awareness Program in North Carolina, Nadine Barrett, Duke Cancer Institute

133. Cadmium exposure perturbs the gut microbiome and its metabolic profile in mice, Xiaoming Bian, University of North Carolina, Chapel Hill

134. Pediatric Phthalate and Phenol Exposure Profile and Potential Impacts on Pubertal Timing in Chilean Girls, Alexandra Binder, University of California, Los Angeles

135. TCDD Alters Sex Ratio Determining Gene Expression in Mouse Testis, Kristin Bircsak, University of Pennsylvania


137. Ozone exposure modeled across primary cell donors reveals the role of MAPK signaling in governing response heterogeneity and inflammatory adaptation, Emma Bowers, University of North Carolina, Chapel Hill and U.S. Environmental Protection Agency

138. miRNAs as Common Regulators of the Transforming Growth Factor (TGF)-β Pathway in the Preeclamptic Placenta and Cadmium-treated Trophoblasts: Links between the Environment, the Epigenome and Preeclampsia, Samira Brooks, University of North Carolina, Chapel Hill

139. Integrating a Tailored CBPR Curriculum to Address Environmental Health Science Literacy and Disparities in Marginalized Communities, Lisanne Brown, Louisiana Public Health Institute

140. Impact of ferromanganese alloy plants on household dust exposures: characterizing manganese and additional metals of concern, Lindsey Butler, Boston University

141. NextGenSS - Putting next generation sensors and scientists in practice to reduce wood smoke in a highly impacted, multicultural rural setting, Catherine Karr, University of Washington
142. Towards the Quantitative Apportionment of Personal Exposure to Strong Sources of Household Air Pollution, Ryan Chartier, RTI International

143. Prenatal PBDE exposure and child neurodevelopment in the HOME Study, Aimin Chen, University of Cincinnati

144. Patterns of mercury and organic co-contaminants in marine and freshwater fish, Celia Chen, Dartmouth College

145. Arsenic exposure increases pathogenicity of gut bacteria, Liang Chi, University of North Carolina, Chapel Hill

146. A Personal Particulate Matter Exposure Monitor to Support Exposure and Health Studies for Sensitive Groups, Seung-Hyun Cho, RTI International

147. Assessing the impact of environmental toxicants on Kras-mediated lung cancer initiation and progression, Michelle Cicchini, University of Pennsylvania

148. Sensation of Ultraviolet Radiation in C. elegans, Kristen Davis, University of Pennsylvania

149. Pathophysiologic Mechanisms Underlying Cardiorespiratory Effects of Ozone in Healthy Adults, Drew Day, Duke University

150. SafetyNEST: Transforming Prenatal Care for Healthier Babies, Alexandra Destler, SafetyNEST

151. Methods development for analysis of Ambler, PA death certificates to determine how asbestos related diseases may have been recorded over time, Michael Deveau, University of Pennsylvania

152. STAT1 Regulates Pulmonary Fibrosis in Mice after Exposure to Multi-Walled Carbon Nanotubes through Suppression of TGF-β1 Production and Signaling, Katherine Duke, North Carolina State University

153. Associations of prenatal exposure to phthalates and bisphenol A with measures of cognitive function in 7.5-month-old infants participating in the Illinois Kids Development Study (I-KIDS), Kelsey Dzwilewski, University of Illinois at Urbana-Champaign

154. Community Outreach and Translation Initiatives from the Columbia Center for Children’s Environmental Health, Dave Evans, Columbia University

155. Placental expression of IFNγ and TNF-superfamily receptors associated with maternal cadmium and selenium biomarkers, Todd Everson, Emory University

156. The environmental Benefits Mapping and Analysis Program—Community Edition (BenMAP-CE), Neal Fann, U.S. Environmental Protection Agency

157. Integration of Multi-Omics Data Reveal Dynamic Oxidative Stress Responses to Manganese in Human SH-SY5Y Neuroblastoma Cells, Jolyon Fernandes, Emory University

158. a. The Teen Research and Education in Environmental Science (TREES) summer program for high school students, Jeffrey Field, University of Pennsylvania
b. Short Term Educational Experiences for Research (STEER) program for undergraduate students, Jeffrey Field, University of Pennsylvania

159. Translational Science in the Latin American and Caribbean Region: PAHO Foundation Approach to Addressing Environmental Health Disparities in the Region, Tim Ford, Shenandoah University

160. Effects of prenatal tobacco smoke exposure on attention regulation and language acquisition in early childhood, Bernard Fuemmeler, Virginia Commonwealth University

161. Metagenomics Analysis Reveals Compound-Specific Impacts of Organophosphate Malathion and Carbamate Aldicarb on Gut Microbiome and its Functional Capacity, Bei Gao, University of North Carolina, Chapel Hill

162. Exposure to Disaster, Neighborhood Environmental Characteristics, and their Associations with Behavioral Difficulties in Children, Symielle Gaston, U.S. Environmental Protection Agency

163. Effect of Source Material on PAH Bioavailability to Humans and Ecological Receptors, Upal Ghosh, University of Maryland Baltimore County

164. Hepatic glutathione adduction and depletion by plant toxin biliatresone supports environmental etiologies of biliary atresia, Kevin Gillespie, University of Pennsylvania

165. Economic Analysis Resources for Environmental Health Researchers, Barbara Gittleman, National Institute of Environmental Health Sciences

166. Stunting is associated with blood lead concentration among Bangladeshi children aged 2-3 years, Kelsey Gleason, Harvard University

167. Low-dose arsenic disrupts innate immune signaling in human primary bronchial epithelial cells, Britton Goodale, Dartmouth College

168. Building Capacity for Impacted Communities to Understand and Respond to Well Water Contamination in North Carolina, Kathleen Gray, University of North Carolina, Chapel Hill

169. Developmental Cadmium Exposure Causes Delayed Zebrafish Otolith Formation, Adrian Green, North Carolina State University

170. Long Noncoding RNA LincRNA-p21 is the Major Mediator of UVB-Induced and p53-Dependent Apoptosis in Keratinocytes, Jonathan Hall, North Carolina State University

171. Metabolomic Responses to Phthalate Treatment in a Placental Cell Model (BeWo): Preliminary Analysis and Future Directions, Sean Harris, University of Michigan

172. The impacts of short-term temperature exposures on risk of sudden cardiac death in women, Jaime Hart, Brigham and Women’s Hospital and Harvard Medical School

173. Translational Research at the Columbia Center for Children’s Environmental Health, Julie Herbsteman, Columbia University

174. Exposure to Flame Retardant Chemicals in the Home and Increased Risk for Papillary Thyroid Cancer, Kate Hoffman, Duke University
175. Maternal Nutrition and Early Childhood Behavioral Outcomes in NEST, John S. House, North Carolina State University

176. Diffusive Gradient in Thin-Film Passive Samplers as Indicators of Mercury Bioavailability and Methylation Potential in Sediments, Heileen Hsu-Kim, Duke University

177. Low dose cadmium stimulates myofibroblast differentiation and lung fibrosis by activation of SMAD and nuclear thioredoxin-1, Xin Hu, Emory University

178. Evaluating the HERCULES-Stakeholder Advisory Board Partnership: Strengths, Areas of Improvement, and Priorities, Candis Hunter, Emory University

179. Adjuvant Effects of Multi-walled Carbon Nanotube Sensitization with House Dust Mite Allergen Lead to an Exaggerated Asthmatic Phenotype in Mice, Mark Ihrie, North Carolina State University

180. The impact of essential trace elements in follicular fluid and urine on IVF outcomes; a pilot study, Mary Ingle, University of Michigan

181. Radical containing combustion derived particulate matter activate aryl hydrocarbon receptor and enhance Th17 pulmonary inflammation, Sridhar Jaligama, University of Tennessee

182. Communicating Research with Infographics, Jill Johnston, University of Southern California

183. Prenatal phthalate exposure, childhood IQ, and working memory in the Mount Sinai Children’s Environmental Health Cohort, Elizabeth Kamai, University of North Carolina, Chapel Hill

184. Characterizing the Adipogenic Potential of Indoor Contaminants and Household Dust Using 3T3-L1 Cells, Christopher Kassotis, Duke University

185. Interpreting and Communicating Short-term Sensor Data, Martha Keating, U.S. Environmental Protection Agency

186. Global Environmental Health and NIEHS, Helena Kennedy, National Institute of Environmental Health Sciences

187. NIEHS Institutional Training Program Outcomes and Impacts, Sarah Luginbuhl, National Institute of Environmental Health Sciences

188. Metagenomic analysis of mobile elements and phage in trichloroethene (TCE) dechlorinating communities, Ray Keren, University of California, Berkeley

189. Survival analysis with measurement error in a cumulative exposure variable: radon progeny in relation to lung cancer mortality, Polyna Khudyakov, Harvard University

190. Adverse birth outcomes associated with exposure to informal e-waste recycling metal mixture exposure, Stephani Kim, University of Cincinnati

191. The Dangers Behind The Label, Desislava Kirina, Huntington Breast Cancer Action Coalition

192. Expanding Knowledge of OEH in the Gulf Coast Region, Katherine Kirkland, Association of Occupational and Environmental Clinics
193. Air Pollutant Quinones Impair Mitochondrial Function in Human Airway Epithelial Cells Using Seahorse Extracellular Flux Technology, Katelyn Lavrich, University of North Carolina, Chapel Hill

194. Using the Mental Models Approach for Arsenic Risk Communication: Creation of an Expert Model, Mark Borsuk, Duke University

195. Communicating Cumulative Health Risks to the Community in Chester, PA, Isabelle Lee, University of Pennsylvania

196. Disposition of Chiral Polychlorinated Biphenyls in Lactating Mice and Their Offspring: Implications for PCB Developmental Neurotoxicity, Hans-Joachim Lehmler, University of Iowa

197. Novel Bisphenol A-related biomarkers for endometrial cancer prognosis, Yuetkin Leung, University of Cincinnati

198. Critical windows of tobacco smoke chemical exposure causing long-term behavioral effects in rats, Edward Levin, Duke University

199. High-Resolution Metabolomics Assessment of Military Personnel: Evaluation of Analytical Strategies for Chemical Detection, Ken Liu, Emory University

200. A cross-disciplinary evaluation of evidence for multipollutant effects on cardiovascular disease, Tom Luben, U.S. Environmental Protection Agency

201. Engaging Community Gardeners in Reducing Soil Contamination and Pesticide Exposures in North Carolina, Bryan Luukinen, Duke University

202. First trimester blood cadmium and lead levels are associated with cardiometabolic risk markers in children, Rachel Maguire, North Carolina State University

203. Arsenite and cadmium promote the development of mammary tumors, Mary Beth Martin, Georgetown University

204. Increasing environmental health literacy via A Story of Health multimedia eBook and continuing education course, Mark Miller, Western States Pediatric Environmental Health Specialty Unit

205. HUWE1 interacts with PCNA to alleviate replication stress, George-Lucian Moldovan, Penn State

206. A Diverse NIEHS Worker Training Program and Evaluating its Effectiveness, John Morawetz, International Chemical Workers Union Council

207. The Temporal Relationship Between Application of Personal Care Products and Blood Serum Concentrations of 1,3,4,7,8-hexahydro-4,6,6,7,8,8-hexamethyl-cyclopenta[g]benzopyran (HHCB), Erin Morrisroe, Huntington Breast Cancer Action Coalition

208. Dynamics and Aggregation of Asbestos in Water, Carlos Ortiz, University of Pennsylvania

209. Assessment of Links Between Contamination in Karst Groundwater and Water Quality in Drinking Water Systems, Ingrid Y. Padilla, University of Puerto Rico, Mayaguez
20. Exposure to Particulate Matter Air Pollution and Risk of Multiple Sclerosis in Two Large Cohorts of US Nurses, Natalia Palacios, University of Massachusetts, Lowell
21. Functional genomics of heavy metal resistances in the foodborne pathogen Listeria monocytogenes, Cameron Parsons, North Carolina State University
22. The PhenX Toolkit: Standard Phenotype and eXposure measures for pregnancy research, Michael Phillips, RTI International
23. Investigating the Relationship between Perfluorooctanoate and Body Mass Index in Young Girls in the Greater Cincinnati and San Francisco Bay Area, Susan Pinney, University of Cincinnati
24. Design of the Agricultural Health Study of Memory in Aging, Brenda Plassman, Duke University
25. Nitrate Ingestion from Drinking Water and Diet and Pancreatic Cancer among Postmenopausal Women, Arbor Quist, University of North Carolina, Chapel Hill
26. Translational Science: The Spectrum of Participation and the Role of the Stakeholder in Theory and Practice, Mónica Ramírez-Andreotta, University of Arizona
27. Serum Pesticide Levels and Cognitive Function in Elderly Individuals who Differ by Race/Ethnicity: Potential Role in Health Disparities in Alzheimer Disease, Jason Richardson, Northeast Ohio Medical University
28. Mouse food as a source of PAH contamination, Debashish Sahay, Columbia University
29. Inorganic arsenic levels in rice are correlated with urinary arsenic: A pilot study quantifying aggregate arsenic exposure in the Health Effects of Arsenic Longitudinal Study (HEALS), Tiffany Sanchez, Columbia University
30. Manganese Promotes α-Synuclein Protein Misfolding, Exosome-Mediated Release of Protein Aggregates and Neuroinflammation: Relevance to Translational Research in Environmental Metal Neurotoxicology, Souvarish Sarkar, Iowa State University
31. Independent and Interactive Effects of Prenatal Cotinine Exposure and Maternal Depression on Birthweight, Julia Schechter, Duke University
32. An AHR-mediated Amplification Loop that Enforces Cell Migration in Triple Negative Human Breast Cancer Cells, David Sherr, Boston University
33. Temporal Trends and Variability of Phthalate Exposure among Pregnant Women in a High-Risk ASD Pregnancy Cohort, Hyeong-Moo Shin, University of Texas-Arlington
34. Interaction between mono-(2-ethylhexyl) phthalate and all-trans retinoic acid in rat fetal testis in vitro, Daniel Spade, Brown University
35. Task-Based Analysis of Black Carbon Exposure in Midwest Farmers during Harvest, Emma Stapleton, University of Iowa
36. Oceans and Human Health: Harmful algal bloom dynamics and mechanisms of toxin action, John Stegeman, Woods Hole Oceanographic Institution
227. Sub-slab depressurization systems for vapor intrusion mitigation - some aspects of design, Jonathan Strom, Brown University

228. Impact of Hospital Waste on Drinking Water Quality: Disinfection Byproduct Formation Implications from Anthropogenic Contributions, Kirsten Studer, University of North Carolina, Chapel Hill

229. Time after Mother’s day flower harvest and children’s health: Potential short-term neurobehavioral alterations associated with pesticide exposures, Jose Ricardo Suarez, University of California, San Diego

230. a. Estimating and Valuing Health Impacts of Formaldehyde Exposure to Improve Decision-Making, Patrice Sutton, University of California, San Francisco
   b. Exploring the Association between Developmental PBDE Exposure and IQ/ADHD Effects: Application of the Navigation Guide Systematic Review Methodology, Patrice Sutton, University of California, San Francisco

231. In Utero Epigenetic Programming and Asthma Pathogenesis, Winnie Wan-yee Tang, Johns Hopkins University

232. Mercury in suspended particulates from the Penobscot Estuary in Maine, Vivien Taylor, Dartmouth College

233. Chromatographic Performance with High Resolution Metabolomics in Human Exposome Research, ViLinh Tran, Emory University

234. Using reverse-isotopic labeling of Lymnaea stagnalis to understand Cu bioavailability, Elizabeth Traudt, Colorado School of Mines

235. Development of Urinary Biomarkers for Human Exposure to Petrogenic Polycyclic Aromatic Hydrocarbons (PAHs) Resulting from the Deepwater Horizon Oil Spill, Trevor Penning, University of Pennsylvania

236. Nonlinear Manganese Accumulation in the Brain Tissue of Welders, Scott Van Buren, University of North Carolina, Chapel Hill

237. Training Research Responders for Emergency Operations (TREO), Gautham Venugopalan, Gryphon Scientific, LLC

238. Identification of Environmental Chemicals that Elevate 7-Dehydrocholesterol Levels Utilizing Predictive Modeling, Phillip Wages, Vanderbilt University

239. The Effects of Polychlorinated Biphenyl Exposure on a Compromised Liver, Banrida Wahlang, University of Kentucky

240. China national ambient air quality standard and air quality improvement after its Implementation, Zongshuang Wang, Chinese Research Academy of Environmental Sciences

241. Translating CIRCLE Research to the Public using an Interactive Infographic Web Page, Todd Whitehead, University of California, Berkeley
242. Asbestos manufacturing locations and geographic clustering of mesothelioma among residents of Pennsylvania, Douglas Wiebe, University of Pennsylvania

243. Genetic contribution to variation in DNA methylation at maternal smoking-sensitive loci in exposed neonates, Joseph L. Wiemels, University of California, San Francisco

244. The Contribution of Mercury Exposure and Diet to Child Immune Status in Communities Impacted by Regional Gold Mining in Madre de Dios, Peru, Lauren Wyatt, Duke University

245. Measuring the external organic chemical exposome using non-selective passive sampling devices and high-resolution chemical analysis, Xin-Rui Xia, North Carolina State University

246. Early life exposure to bisphenol A (BPA) results in dose-, generation-, and sex-specific adverse physiological outcomes in adulthood, Frances Xin, University of Pennsylvania

247. Differential Genetic Susceptibility to Lung Inflammatory and Toxicity Changes in Carbon Nanotube Exposures and the Associated Gene Networks, Jagjit Yadav, University of Cincinnati

248. Aquifer Redox Geochemistry Determines Corrinoid Pools that Affect Activity of Corrinoid-auxotrophic, Organohalide-Respiring Bacteria, Jun Yan, University of Tennessee

249. Evaluating product labels and ingredient composition of nail polishes to inform safer alternatives, Anna Young, Harvard University

250. Bayesian Belief Networks in Environmental Health Risk Assessment: Advancing Dose-Response Methodology, Joseph Zabinski, University of North Carolina, Chapel Hill

251. Placental DNA Methylation in Relation to Maternal Periconceptional Prenatal Vitamin Use and Child Outcomes in the MARBLES Prospective Autism Study, Yihui Zhu, University of California, Davis

252. Bending the Curve: Educating pregnant women, their families, and medical trainees regarding environmental impacts on reproduction, Marya Zlatnik, University of California, San Francisco