

CURES-Funded Pilot Projects

Project Title	PIs	Period
Petcoke in an urban environment	Joseph Caruso, Institute of Environmental Health Sciences and Shawn McElmurry, Department of Civil and Environmental Engineering	2014-16
Daily Activities, Neighborhood Stressors, and Stress of Older African-Americans	Malcolm Cutchin, Department of Health Care Sciences; Cathy Lysack, Institute of Gerontology; and Rich Slatcher, Department of Psychology	2014-16
Detroit Soil Arsenic and Its Association with Carcinogenesis	Fei Chen, Department of Pharmaceutical Sciences and Jeffrey Howard, Department of Geology	2014-16
Chronic Stressors, Proteome Profiles and Preterm Birth in African American Women	Carmen Giurgescu, College of Nursing; Paul Stemmer, Institute of Environmental Health Sciences et al.	2014-16
Novel Exposure Signatures for Mercury Intoxication of the Immune System	Paul Stemmer, Institute of Environmental Health Sciences; Allen Rosenspire, Department of Immunology and Microbiology; and Joseph Caruso, Institute of Environmental Health Sciences	2014-16
The Interaction between Pb and Trauma on the Epigenome and Proteome in Refugees	Bengt Arnetz, Department of Family Medicine, Michigan State University	2015-16
Maternal Lead Exposure Alters Offspring Brain and Epigenetics Two Decades Later	Moriah Thomason, Department of Pediatrics and Merrill Palmer Skillman Institute and Douglas Ruden, Institute of Environmental Health Sciences	2015-16
Heavy Metals and the Development of Antibiotic Resistance in Urban Agriculture	Yifan Zhang, Department of Nutrition and Food Science; Lawrence Lemke, Department of Geology; Weilong Hao, Department of Biological Sciences; Shawn McElmurry, Department of Civil and Environmental Engineering; and	2015-16

Patrick Crouch, Earthworks Urban Farm

Synergism between Noise and Lead in Inducing Hearing Loss	Samson Jamesdaniel, Institute of Environmental Health Sciences	2016-17
Does Pediatric Exposure to Lead (Pb) Increase the Risk of Diabetes?	Todd Leff, CIMER; Collen Buggs-Saxton, Department of Pediatrics	2016-17
Spatial and Temporal Analyses of Neonatal Blood Lead Levels of Flint Children	Douglas Ruden, Institute of Environmental Health Sciences and Mona Hanna-Attisha, Hurley Children's Hospital	2016-17
Airborne Particulates, Ocular Surface Stress and Infection	Linda Hazlett, Anatomy and Cell Biology	2018-19
Impact of Obesogens on Developmental Programming of White Adipose Tissue in Mice	James Granneman, Center for Molecular Medicine and Genetics and CIMER	2018-19
The Occurrence of Microplastics in Drinking Water and the Consequential Impact on Human Health	Tracie Baker, Institute of Environmental Health Sciences; Yongli Zhang, Civil Engineering	2018-19
Air Pollution-induced Diabetes: Dysregulation of Energy Homeostasis by Disruption of Mitochondria and ER Associated Membrane	Kezhong Zhang, Civil Engineering; Lawrence Grossman, Center for Molecular Medicine and Genetics	2018-19
Intrauterine Origins of Autism Spectrum Disorder: Impact of Exposure to Metals	Jennifer Straughen, Henry Ford Health System	2018-19