The CEG welcomes three New Investigator Awardees (NIAs), each of whom will receive partial junior faculty salary support through the Administrative Core: They are Drs. Angelico Mendy, Jun Wang, and Patrick Ray.

Angelico Mendy, MD, MPH, PhD, is an Assistant Professor in the UC Department of Environmental and Public Health Sciences. Dr. Mendy joined UC after completing an Intramural Research Training Award in the Environmental Cardiopulmonary Disease Group at NIEHS. His research while at NIEHS explored the effects of endocrine disrupting chemicals on respiratory health and examined whether these effects might be mediated by epigenetic changes. Dr. Mendy has recently published work on the association of bisphenols F and S used as bisphenol A (BPA) substitutes with asthma and allergic outcomes. Other research interests include the identification of phenotypes of complex diseases, and the effect modification by serum levels of antioxidant vitamins (A, C, and E) on the relationship of ambient air pollutants and asthma outcomes.

Jun Wang, PhD, PE, CIH, CSP (center photo) is an Assistant Professor in the Division of Environmental and Industrial Hygiene. Dr. Wang oversees the Workplace Aerosol and Gaseous Lab (WANG Lab) in the Center for Health-Related Aerosol Studies (CHRAS). His research interests include measuring emission of airborne toxins from notable environmental sources; developing methodologies to quantify cytotoxicity, oxidative potential, and respiratory deposition of ultrafine aerosols and nanoparticles; and designing next-generation sensory detection and engineering controls to reduce inhalation exposure to airborne toxins. Dr. Wang has proposed a multi-faceted study aiming to understand (1) how metal exposures (manganese, lead, mercury, etc.) introduce neuroinflammation through magnolia activation and cytokines overproduction, and (2) how learning, memory, and other developmental markers in youth are affected by environmental exposure to metals.

Patrick Ray, PhD (bottom photo at left) is an Assistant Professor of Chemical and Environmental Engineering in the UC College of Engineering and Applied Science. Dr. Ray completed his undergraduate and graduate studies in Massachusetts: B.Sc., University of Massachusetts Amherst 2001; M.Sc., Tufts University, 2006; Ph.D., Tufts 2010 (Water resources engineering); Postdoc, UMass-Amherst, 2014 (Water systems modeling under uncertainty). He has served as Principal Investigator on awards from the National Oceanic and Atmospheric Administration (NOAA), the Ohio Water Development Authority (Multidimensional risk assessment on riverine contamination: Case study of Cincinnati) and World Bank (Group Climate Change Risk Assessment of Expanded Upper Arun Hydropower Facility, Nepal). In 2015 Dr. Ray received the World Bank Knowbel Prize Team Award, and in 2011 he was named Professor of the Year, UC Faculty of Engineering.

Recent Publications


