

Children's Environmental Health: A Workshop on Future Priorities for Environmental Health Sciences

Committee

Germaine M. Buck Louis

Chair

Germaine Buck Louis is Professor and Dean at the College of Health & Human Services at George Mason University. She is a reproductive and perinatal epidemiologist whose expertise focuses on the impact of environmental influences such as endocrine disruptors, stress and diet on human reproduction and development. Her research also focuses on exposome research paradigm for assessing environmental mixtures, as well as the implications of fecundity and fertility impairments for men and women's health across the lifespan. Prior to joining the College of Health and Human Services in October 2017, Dr. Buck Louis was the Director for the Division of Intramural Population Health Research at the Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institutes of Health where she conducted research aimed at enhancing the health and well-being of fetuses, pregnant women, children, and young adults. This position was preceded by her tenure as a professor in the Department of Social and Preventive Medicine, University of Buffalo, School of Medicine and Biomedical Sciences. She has published numerous scientific papers and technical reports, co-edited the textbook Reproductive and Perinatal Epidemiology and provided considerable service to the National Academies, Pan American Health Organization, U.S. Environmental Protection Agency, and World Health Organization. She has served as the President for the Society of Pediatric and Perinatal Epidemiologic Research and also for the Society for Epidemiologic Research along with serving on the boards for the American College of Epidemiology and the International Society for Environmental Epidemiology. She received her PhD in Epidemiology from the State University of New York at Buffalo.

Mona Hanna-Attisha

Member

Mona Hanna-Attisha, MD, MPH, FAAP, is the founder and director of the Michigan State University and Hurley Children's Hospital Pediatric Public Health Initiative, an innovative and model public health program in Flint, Michigan. A frequent contributor to national media outlets, including the New York Times and Washington Post, Dr. Hanna-Attisha has appeared on CNN, MSNBC, BBC, and countless other outlets championing the cause of children in Flint and beyond. She is the founding donor of the Flint Child Health and Development Fund. She is currently a Charles Stewart Mott Endowed Professor of Public Health and an associate professor of pediatrics and human development at Michigan State University College of Human Medicine. With concentrations in environmental health and health policy, Dr. Hanna-Attisha received her bachelor's degree and Master of Public Health degree from the University of Michigan. She completed her medical degree from Michigan State University College of Human Medicine and her residency at Children's Hospital of Michigan in Detroit, where she was chief resident.

Darryl Hood

Member

Darryl B. Hood, Ph.D. is a Professor and environmental public health neuroscientist in the Division of Environmental Health Sciences in the College of Public Health at The Ohio State University. From 2006-2011, Dr. Hood led what has come to be known as the most successful Minority S11 NIEHS-sponsored initiative referred to as the "Advanced Research Cooperation in Environmental Health (ARCH) Program. The research conducted under this consortium ultimately contributed to the scientific database that the USEPA used to reassess the levels of polycyclic aromatic hydrocarbon emissions from smokestacks. Such re-assessments have resulted in public policy changes that will serve to decrease the adverse health effects associated with environmental exposures. At the Ohio State University, Dr. Hood has continued his innovation in discovery as the co-architect of the novel Public Health Exposome framework and BD2K analytics. Additionally, at The Ohio State University Dr. Hood has continued his robust environmental justice work in the high risk and vulnerable census tracts of Columbus, OH. He continues to serve on numerous editorial and review boards for scientific journals, government agencies, and research advisory committees in the Academy. Most recently, (2010-2016) he served on the US EPA Exposure and Human Health Subcommittee of the Science Advisory Board. Recently, he was elected Chair of the Education and Career Development Committee in the Society of Toxicology and President of Toxicologists of African Origin, special interest group within the society. He also recently received the prestigious Ruth Bailey Award which recognizes faculty who in the previous year demonstrated a significant contribution toward campus multicultural interaction and understanding. Dr. Hood received a BS degree in Biology and Chemistry from Johnson C. Smith University in Charlotte, NC. and a Ph.D. in Biomedical Science-Biochemistry from the Quillen-Dishner College of Medicine at East Tennessee State University.

Heather B. Patisaul

Member

Heather B. Patisaul is the Associate Dean for Research in the College of Sciences and a professor in the Department of Biological Sciences at North Carolina State University. She explores the mechanisms by which endocrine disrupting compounds (EDCs) alter neuroendocrine pathways in the brain related to sex specific physiology and behavior. She is specifically interested in phytoestrogens, flame retardants, and BPA (Bisphenol A). Dr. Patisaul is a NIEHS ONES Award recipient (2007) and has participated on several national and international expert panels and workshops related to health effects associated with soy, BPA, and other endocrine disruptors. She chaired the 2016 Gordon Research Conference on Environmental Endocrine Disruptors, and has co-edited several special issues on endocrine disruptors, brain and behavior. In addition, Dr. Patisaul served on four previous National Academies committees: the Committee reviewing EPA's ORD Staff Handbook for Developing IRIS Assessments (or IRIS Handbook), the Workshop Planning Committee on Understanding the Paradigm Change at the Interface of Emerging Sources of Environmental Health Data and Decision Making, Committee on Incorporating 21st Century Science in Risk-Based Evaluations, and Committee to Review EPA's Draft Paper, State of the Science on Nonmonotonic Dose Response (NMDR). She received a PhD in Population Biology, Ecology & Evolution from Emory University with a research focus on comparative neuroendocrinology.

Nsedu O. Witherspoon

Member

Nsedu Obot Witherspoon, MPH, serves as the Executive Director for the Children's Environmental Health Network (CEHN), where her responsibilities include successfully organizing, leading, and managing policy, education/training, and science-related programs. She is a leader in the field of children's environmental health, serving on the External Science Board for the Environmental Influences on Child Health Outcomes (ECHO) NIH Research work. She is a Co-Leader the Health/Science initiative of the Cancer Free Economy Network and Co-Chair of the National Environmental Health Partnership Council. Ms. Witherspoon is also the Vice President Cfor the Pesticide Action Network of North America, Board Member for the Environmental Integrity Project, and Jenifer Altman Foundation, and serves on the Maryland Children's Environmental Health Advisory Council. Ms. Witherspoon has held past appointments on the Children's Health Protection Advisory Committee for the Environmental Protection Agency, the NIH Council of Councils, the Science Advisory Board for the Centers for Disease Control and Prevention, and the Board for the American Public Health Association. She is a past member of the National Association of Environmental Health Sciences Council and the Institute of Medicine's Environmental Health Sciences Roundtable. Ms. Witherspoon has a B.S. in Biology Pre Med from Siena College and a M.P.H. in Maternal and Child Health from The George Washington University, School of Public Health and Health Services.

Elizabeth Boyle

Staff Officer

Elizabeth Barksdale Boyle is a Senior Program Officer in the Health and Medicine Division's Board on Population Health and Public Health Practice after serving for several years as a Program Officer with the Board on Environmental Studies and Toxicology. Formerly, she was an Environmental Health scientist at Westat, where she supported the Environmental Protection Agency, the National Institute of Child Health and Development, and the National Cancer Institute. Before her tenure at Westat, Ms. Boyle was a Student Epidemiologist at the Minnesota Department of Health and an Industrial Hygienist at a consulting firm in Cincinnati. She is a Fellow of the Bloomberg American Health Initiative at the Johns Hopkins Bloomberg School of Public Health, where she is pursuing a doctorate of public health in environmental health. Ms. Boyle has an MPH in environmental health from the University of Minnesota, a certificate in risk sciences and public policy from Johns Hopkins University Bloomberg School of Public Health, and is a Certified Industrial Hygienist.