Environmental Science Graduate Program Seminar Series

Dr. Hood received a BS degree in Biology and Chemistry from Johnson C. Smith University in Charlotte, NC. and a Ph.D. in Biochemistry from the Quillen-Dishner College of Medicine at East Tennessee State University. He served at Meharry Medical College until 2013 on the faculty of both Meharry Medical College and Vanderbilt University School of Medicine in the Department of Pharmacology and Neuroscience. At the OSU, Dr. Hood has continued his innovation in discovery as the co-architect of the novel Public Health Exposome framework. Dr. Hood currently serves as the ESGP Graduate Studies Committee chair and was recently named the Department of African American and African Studies Community Extension Center (CEC) Engaged Scholar Fellow for Autumn 2019.

Dr. Darryl B. Hood

Associate Professor

College of Public Health, Environmental Health Sciences

College of Medicine, Department of Neuroscience

September 13, 2019 | 2:00 pm - 3:00 pm | 3150 Smith

Using a *Public Health Exposome* Framework within the 88-counties in Ohio to Model an African American Cohort to Estimate Cardio-metabolic Disease Trajectory and Resilience at the Population Level

Dr. Hood's seminar covers his development of experimental model systems for the purpose of uncovering the operative mechanisms contributing to disparate health outcomes and other health consequences associated with environmental contaminant exposures during critical windows of development. This work served as the impetus for development of a translational-community engagement health disparities re-search focus that Dr. Hood developed upon his move to Columbus, OH. Columbus, Ohio is considered one of the more prosperous, well-educated and progressive communi-ties in the United States, but it has one of the highest infant mortality (IM) rates in the country within the area known as the Southern Gateway. Dr. Hood as the co-architect, will also discuss development and implementation of the newly described *Public Health Exposome* framework. This inno-vative approach predicts associations between the built, natural, physical and social environment with disparate health outcomes for vulnerable in Columbus, OH The framework has already assisted policy makers with prioritization of intervention strategies in a manner that is more accurate than current approaches.