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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 communities 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 innovative 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.

For more information, contact Ashleigh Bope (bope.19@osu.edu) or visit https://esgp.osu.edu/