

Dr. Tamaro Hudson is an Assistant Professor at Howard University in the College of Medicine, Department of Pharmacology. His research focuses on a biomarker based approach that would allow for the development of chemopreventive or clinical treatment strategies that employ low toxicity natural and/or conventional agents, and to understand how they act to suppress, delay, or reverse tumorigenesis in preclinical and clinical cancer models in order to translate from bench-to bedside. Dr. Hudson has received extensive training that advanced his knowledge about the importance of targeting biomarkers through prevention and therapeutic strategies in preclinical and clinical models. Dr. Hudson's first experience with biomedical research occurred at Iowa State University where he received a bachelor of science in biology, he was involved with isolating different strains of viral glycoprotein from sheep infected with bovine virus. Afterward, Dr. Hudson received a M.S. and PhD from Ohio State University where he focused on evaluating the functional differences among isothiocyanates in the rat esophageal tumor model. His subsequent cancer prevention fellowship training at National Cancer Institute focused on evaluating the biological activity of bioactive compounds in cell culture and preclinical cancer models. This work was carried over to Howard University where he continues to evaluate bioactive compounds ability to target different signatures involved in prostate cancer progression. Accordingly, his extensive training in biomedical research has allowed him to receive several grants where his focus was on developing signature biomarkers for treatment of aggressive prostate cancer. Also, Dr. Hudson has received several awards and is a member of several scientific organizations. Dr. Hudson is most proud of having the ability to mentor many students from different educational sectors in and out of the university including medical students to graduate pharmacy fellows, microbiology graduate students, undergraduate student volunteers from the biology department, and graduate students in the department of chemistry, and high school students from STEM programs.