

Bernard Kwabi-Addo, Ph.D. is a professor of biochemistry and molecular biology at the Howard University College of Medicine. He is also a principal investigator of prostate cancer research at Howard University. His research interests are: molecular biology/ biochemistry: cancer health disparities, signal transduction, gene expression and regulation, epigenetic DNA methylation studies and prostate cancer research.

The focus of Kwabi-Addo's current research activity is to elucidate aberrant epigenetic alterations that underlies prostate cancer etiology and the disease progression, a disease that disproportionately impact men of African Ancestry. The ultimate goal of his research work is to identify novel epigenome-derived markers that can be used either alone or in conjunction with current molecular markers for screening and diagnosing prostate cancer disparity. He is also interested in understanding the social determinants and environmental factors and how these impact the genome to drive not only prostate cancer but cancer in general and cancer disparities.

Kwabi-Addo is a lecturer on various biochemistry and molecular biology topics to medical, dental and graduate students at Howard University. He is an educator on public health concerns on topics such as cancer prevention and the importance of adhering to the recommended age-appropriate screening, the importance of healthy dietary patterns, avoidance of sedentary lifestyle and the adoption of healthy behavior and lifestyle patterns to avoid and even reverse or eliminate chronic diseases.

His research is dedicated to unraveling the molecular mechanisms of fibroblast growth factor signaling, PTEN haploinsufficiency, and the negative regulation of receptor tyrosine kinase signaling in prostate carcinogenesis. Currently, his laboratory focuses on studying the roles of genome-wide and loci-specific DNA methylation alterations in prostate cancer disparities. His research work has received funding from the National Institutes of Health (NIH) and the Department of Defense (DoD).

Beyond his research endeavors, he is also deeply passionate about educating the public through community-outreach events on the scientific evidence of cancer prevention and the importance of adhering to appropriate age-recommended screening. Kwabi-Addo advocates for adopting a healthy lifestyle to prevent and combat chronic diseases and has authored multiple books addressing health disparities, cancer prevention and the adoption of healthy lifestyles to prevent chronic diseases.