

Dr. Jasmine Davenport Crenshaw is a native of Durham, NC. She holds a Bachelor of Science in Physics from North Carolina A&T State University, a Master of Science in Materials Science and Engineering from the University of Florida, and a Ph.D. in Materials Science and Engineering from the University of Florida. Her graduate research specialty area is in Biomaterials, where she focused her research on examining the self-assembly of kinesin biomolecular motor proteins during active transport using computational methods.

Dr. Crenshaw is currently a Howard Hughes Medical Institute (HHMI) Postdoctoral Fellow in the Department of Biology at the University of Richmond. She also serves as a member of the HHMI advisory team and instructor for first year students of an interdisciplinary, discovery-based Science, Math and Research Training (SMART) course which focuses on introductory concepts and techniques in biology and chemistry. She is conducting research with Dr. Omar Quintero to study filopodial dynamics in *cos7* cells using engineered Myosin X and Myo3A chimeras to examine biochemical and transport properties of the motor proteins. Prior to joining the University of Richmond, Dr. Crenshaw served as Systems Engineer with the Department of Defense (DoD) for two years, where she supervised the development and initial fielding of innovative, commercial technologies.

She is a member of the Materials Research Society (MRS), Society of Women Engineers (SWE), National Society of Black Engineers (NSBE), and Delta Sigma Theta Sorority, Inc. She is a Science, Technology, Engineering, and Mathematics (STEM) advocate, where she actively recruits and mentors students in science disciplines. She believes that it is important to train the next generation of leaders of the endless opportunities with a STEM education.

Outside the lab, Dr. Crenshaw enjoys spending time with family, friends, and participating in civic engagements. Her hobbies include dance (tap, ballet, jazz, and line dancing), researching natural hair care products for women of color, and zumba exercise.