

Engaging diverse students with Crystallography Research

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My objective is to share approaches by which I incorporate structural biology at Hampton University's Department of Chemistry and Biochemistry. I will discuss the successes and failures involved in the process of fully integrating these pre-baccalaureate students in crystallography research. Our outreach efforts have included socioeconomically underserved students or groups underrepresented in STEM. We will present strategies for using crystallography to recruit and retain students. We will discuss the significant barriers to our research programs, potential funding sources, and how collaborations with fellow crystallographers have enhanced our ability to engage students at an HBCU. Finally, we will present how structural science has helped COVID-proof our research and biochemistry teaching approach over the past year of remote learning.