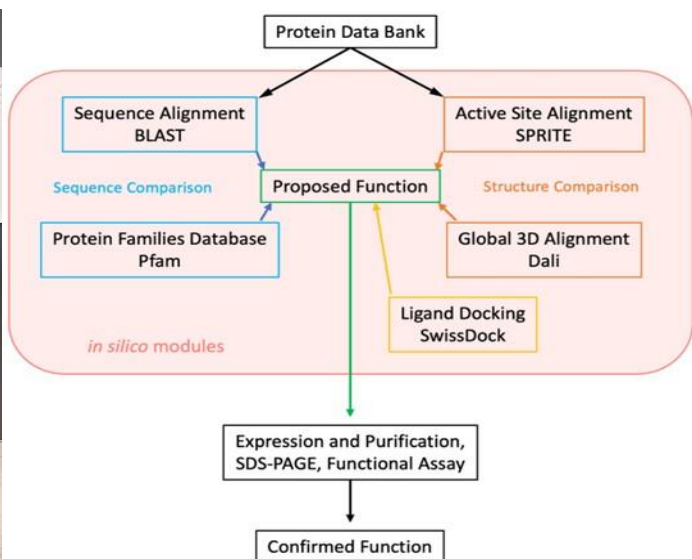




Saint Augustine's University – Biology and Chemistry Faculty Attends Biochemistry Authentic Scientific Inquiry Laboratory (BASIL) Workshop

On Saturday March 4, 2023, **Dr. Tyrell Carr** (Biology) – Chair of the Department of Biological & Physical Sciences and **Dr. Moges Abebe** (Chemistry) attended the Biochemistry Authentic Scientific Inquiry Laboratory (BASIL) Workshop at Fayetteville State University. BASIL is a course-based research experience (CURE) that uses computational techniques and laboratory methods to assign functions to proteins. **Student goals** are to (1) Combine information from multiple experiments to develop and test a hypothesis; (2) Understand the roles of bioinformatic data as a powerful partner to wet lab experiments; (3) Gain a deeper understanding of protein structure/function relationship. **Research goals** are to (1) Elucidate the specific function of proteins and (2) Optimize enzymatic assays for diverse enzyme classes and better understand the substrate diversity of the proteins of interest. **BASIL activities** will be embedded in lower-level and upper-level laboratory courses and planned collaborative training and research programs involving biology, chemistry, and mathematics faculty and students at SAU. In addition to the Bioprocessing / Biopharma Training Hub at SAU, BASIL activities centered on computational biology training and protein biology will further prepare students for competitive and cutting-edge STEM-based graduate programs and the scientific workforce.



Left to Right: Dr. Tyrell Carr; Dr. Moges Abebe; and Professor Nicole Sciortino (SAU Class of 2015 – B.S. in Chemistry | Chemistry Faculty - Barton College)



Institutions Represented:

Barton College

Erskine College

Fayetteville State University

North Carolina A&T State University

North Carolina Central University

North Carolina State University

Saint Augustine's University

Winston-Salem State University