

MUREP Precollege Summer Institute (MUREP PSI) Awards – FY2023

Title: Tuskegee's summer institute for Increasing diversity among incoming STEM Undergraduates

Institution: Tuskegee University

City/State: Tuskegee, Alabama

PI: Lecia G. Robinson

FY: 2023

Summary:

We propose the continuation of the Pre-college Summer Institute (PSI) in the college of arts and sciences (CAS) at Tuskegee University (TU) titled "Tuskegee's Summer Institute for Increasing Diversity among Incoming STEM Undergraduates. The focus of the project will continue to be preparation for college and retention in the Science, Technology, Engineering, and Mathematics (STEM) disciplines, in particular Biology, Chemistry, Physics, and Mathematics (BCPM). The project will equip prospective college students with basic skills necessary for success in college and close the STEM education gap for students from under-served high schools. Tuskegee University was recently awarded a \$1.5 million scholarship grant funded by the NSF (National Science Foundation), to award scholarships to academically talented low-income students to start their studies at Tuskegee University (TU) and graduate with a four-year undergraduate degree in one of these STEM areas: Biology, Chemistry, Mathematics, Physics (BCMP). All PIs (Principal Investigators) of this proposed PSI are members of the PERSIST scholarship project team. This PSI could potentially serve as a pipeline for recruitment into the Promoting Excellence, Retention, Scholarship in STEM (PERSIST) project at TU. All participants who successfully complete the PSI will be encouraged to apply for the PERSIST scholarship. The possibility of earning a 4-year scholarship in a STEM discipline will motivate PSI scholars to persist in the 3-week program.