

## **Executive Summary**

Title of Project: **The Howard University Critical Mass Project: Increasing the Numbers of African Americans Receiving Doctoral Degrees in Nuclear Physics.**

PI/Co-PI: Marcus Alfred, Associate Professor  
Howard University  
Dept. of Physics and Astronomy  
2355 6<sup>th</sup> St. NW  
Washington DC 20059

Funding Request: \$222,200 over 5 years

## **Project Summary**

The **Goal** of the HU Critical Mass Project is to increase the number of African American physics majors graduating from Howard University that will enter graduate school in nuclear physics and have a career in nuclear science . There are three objectives associated with this goal: select and award African American physics majors a \$10,000 stipend each year of the project, support participants through rich diversity of support structures, and expose participants to summer research opportunities in nuclear science outside of Howard University. The components of the project include: research stipends, support structures, research experiences at Howard and elsewhere for participants, and research community building activities. Relevant management participants include the PI and an executive committee.