

Enhancing Diversity in Nano-Biotechnology Research and Education

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Abstract: It is now well recognized that there is an urgent need to enhance diversity in nano-biotechnology research and educational workforce by increasing the number of underrepresented groups in this field. Since last decade, JSU-PREM is working to complement the nation's strategic plan by enhancing diversity in US workforce in the competitive area of nano-biotechnology. During the last ten years of funding, over 120 African Americans graduate/undergraduate students graduated from JSU-PREM program, and they have published more than 150 papers. Around 100% graduates are in jobs for academic/industry. Here we will discuss different strategies we have taken to increase the number of underrepresented groups in this field.

Bio: Paresh Chandra Ray is currently a Professor in the Department of Chemistry and Biochemistry, Jackson State University (JSU), Jackson, MS. The development of new concepts and technologies in nano-bio science is the career goal of Dr. Paresh Ray. As a faculty in one of the Historically Black University (HBCU) in our nation, Dr. Ray's vision is to continue training minority students in nano-bio science and technology and establishing high quality research in nanomaterials. During the last twenty years in JSU, over 50 African Americans graduate/undergraduate students have been trained and graduated from his group, and they have author or coauthor of more than more than 150 papers including peer-reviewed manuscripts, review articles, and book chapters.