

UVETTA DOZIER

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Education

Ph.D.: Biology, Howard University, May 2010

Concentration: Plant Molecular Biology

Dissertation: Isolation of *Arabidopsis* Receptor for Activating C Kinase1 (RACK1) Interacting Proteins: Role of RACK1 Protein-Protein Interaction in Diverse Environmental Stress Signaling Pathways

M. Ed.: Science Education, Harvard University, 1997

Concentration: Certification And Curriculum Development

B.S.: Biology, South Carolina State University, 1983

Professional Experience

2011 - Present Bowie State University

Louis Stokes Alliance for Minority Participation (LSAMP) Coordinator Bowie, MD

Develop events, share information, and participant in forums that develop the interest and research prowess of students. Also, participate shared alliance and other activities that foster presentation, networking, and other important research skills and exposures.

2010 – Present Bowie State University

Assistant Professor Bowie, MD

Teach several undergraduate classes including biology for non-biology majors, botany, molecular biology, introductory biology, and seminar classes. Additionally, advise students who are biology majors and science education majors; serve on university committees; engage in scholarly activities; and assist students with acquiring off-campus learning experiences such as internships. Also, manage the Louis Stokes Alliances for Minority Participation (LSAMP) Program.

2009-2013 Howard University

Lecturer Washington, DC

Taught the basic concepts of the biological (life) sciences. These concepts were presented by focusing on the principal characteristics that all living things (life forms) have in common. The content included chemical and cellular instruction to the global, structural and functional aspects of life.

2008 – 2010 United States Department of Agriculture
Intern Beltsville, MD

Assisted the plant certificate examiners of the Plant Variety Protection Office (PVPO) in administering the Plant Variety Protection Act (PVPA) by researching scientific journals for information regarding cultivars and aiding in processing certificates. The PVPO issues Certificates of Protection that provide legal intellectual property rights protection to breeders of new varieties of plants.

2008 Howard University
Teaching Assistant Washington, DC
Taught the laboratory for Plant Physiology.

2007 – 2008 Howard University
NSF GK-12 Fellow Washington, DC
Assisted eighth grade physical science teacher in presenting activities that fostered and maintained an active interest in science in the students.

2003 – 2006 Howard University
Teaching Assistant Washington, DC
Taught biology foundation laboratory course to mostly biology majors and other science majors. The course included molecular biology, genetics, microbiology, zoology, and botany sections. My responsibilities included setting up the laboratory experiments, and developing and grading examinations.

2005 (Summer) Cornell University
NSF GEM Intern Ithaca, NY
Tested alumina/silicone membrane to determine its ability to pass proteins at the nanometer level.

2004 – 2005 DC WASA
Intern (Research) Washington, DC
Researched the amount of phosphorus and nitrogen found in wastewater during the nitrification/denitrification process.

2002 – 2003 Howard University
Education Specialist Washington, DC
Performed outreach activities that increased the recruitment and retention of African-American students in science, engineering, and mathematics degree granting programs.

1990 - 2001 U.S. Fish and Wildlife Service
Biologist Washington, DC

Determined and recommended to the Director the appropriate action to take on listing species as threatened or endangered under the Endangered Species Act. This recommendation was based on research and the best scientific information available. In addition, my responsibilities included: briefing Congress, interacting the public, making policy interpretations, and other resource conservation activities.

1983 – 1990 National Marine Fisheries Service
Biologist Woods Hole, MA/Washington, DC

Performed marine science related research, which included age determination of fish and shellfish, and collected and interpreted population, biological, and chemical data regarding organisms (including marine microbes) and their environments.

Volunteer Experience

2009 - 2010

Volunteer

Little dresses for Africa

BSU/Howard University Sciencefest, Washington, DC (Students at a Washington, D.C., public housing unit were introduced to fun science activities. This one day activity is in its third year.)

Professional Organizations

American Society of Plant Biologists

American Association of University Professors

American Association for the Advancement of Science

Honor Societies

Beta Kappa Chi Honor Society

Sigma Xi Honor Society (**Position: Research and Development Associate Director (May 2012-June 2015)**)

Additional Study

BIO-TRAC (National Institutes of Health)

Biotechnology Techniques

-LOTTO (An extensive one week bootcamp on developing a managing an online course.)

Meetings, Presentations,

-National HBCU Week Conference (2011), Washington, DC

-Preparing Future Faculty Workshop (2011), Washington, DC (Panelist)

-Preparing Future Faculty Workshop (2012), Washington, DC (Panelist)

- BSU LSAMP Summer Research
- Annual Biomedical Research Conference for Minority Students (2011), St. Louis, MI (Judge)
- Annual Biomedical Research Conference for Minority Students (2012), San Jose, CA (Judge and accompanied and prepared a BSU LSAMP student researcher for her oral presentation)
- Annual Biomedical Research Conference for Minority Students (2013), Nashville, TN (Judge and accompanied and prepared a BSU LSAMP student researcher for her oral presentation)
- Annual Biomedical Research Conference for Minority Students (2014), San Antonio, TX (Judge and accompanied and prepared a BSU LSAMP student researcher for her oral presentation)
- 15th Annual Regional HBCU Summit on Retention (2012), Ocean City, MD
- 16th Annual Regional HBCU Summit on Retention (2013), Ocean City, MD (Ensured collection of presentation evaluations)
- 17th Annual Regional HBCU Summit on Retention (2014), Ocean City, MD (Moderated a discussion involving effective retention programs)
- 18th Annual Regional HBCU Summit on Retention (2015), Ocean City, MD (Introduced the concept and led the development in coordination with Howard University of a student-centered research panel. Several LSAMP students and others attended.)
- 2014 STEM and Education Conference, Honolulu, HI (Presented orally, "Fostering Student Research - A Model for Student Success.")
- 2015 Science, Technology, Engineering, Arts, Math, Education Conference, Honolulu, HI (Presented orally along with my student, "The Efficacy of Do-It-Yourself (DIY) Electrophoresis Equipment.")

Publications

Kundu N., Dozier U., Deslandes L., Somssich IE, Ullah, H (2013) Arabidopsis scaffold protein RACK1A interacts with diverse environmental stress and photosynthesis related proteins. Plant Signal Behav. May 2013 Vol 8 (5)