

The University of North Carolina at Greensboro
Board of Trustees
Academic Affairs Committee
December 06, 2017

Information Item

AAC - 7 Update on Research and Engagement

The Office of Research and Engagement (ORE) provides support and strategic direction to faculty, staff, and students for research and creative endeavors resulting in scholarship, innovation, community and economic engagement leading to knowledge, student, and regional transformation.

External Funding

The positive trend seen at the end of last year with us increasing awards by over 5% has continued in the first quarter. Compared to last year, ***awards are up \$6,265,531, an increase of almost 60%.*** Most of the increase is due to federal awards where we continue to be successful despite a competitive and uncertain funding environment.

Awards and Submissions

	7/1/2017 to 9/30/17		7/1/16 to 9/30/16	
SUBMISSIONS	Number	Amount	Number	Amount
	91	\$30,788,603	110	\$31,394,033
AWARDS	Number	Amount	Number	Amount
	90	\$17,459,294	71	\$11,193,763

Selected Highlights

As we have noted in previous highlights, UNCG has established an outstanding record of garnering funding to investigate and implement high impact practices to enhance student outcomes. This trend continued with UNCG being selected by the US Department of Education to receive a ***\$1.15 million McNair Post Baccalaureate Achievement Program to prepare first-generation, low-income, and underrepresented undergraduate students for doctoral studies.*** UNCG is one of five universities in North Carolina to be selected for the program, and one of only 161 institutions in the US. UNCG-McNair Scholars will receive up to a \$5,000 stipend, participate in the McNair Summer Research Institute, as well as faculty mentoring, GRE test preparation, and a summer course on research and writing. Students will have several opportunities to present their research at conferences across the country.

Dr. Arthur Murphy (Anthropology) received continuation funding of \$676,578 from the U.S. Department of Agriculture for the project “Recipe for Success. In collaboration with public and private entities in the NC counties of Guilford, Randolph, and Rockingham, this initiative provides nutrition and obesity- prevention education to individuals and households who are either recipients of the Supplemental Nutrition Assistance Program (SNAP) or SNAP-eligible.

Dr. Ye (Jane) He (Teacher Education and Higher Education) received new funding in the amount of \$429,319 from the U.S. Department of Education for the project “Engaging and Advancing Community-centered Teacher Development (EnACTeD).” Using a community-centered teacher development model, the cultural and linguistic assets of students’ families are leveraged through their engagement in teacher professional development module development, participation in family literacy and technology activities and support for teacher candidates’ bilingual language competency development.

Dr. Ryoko Yamaguchi (Office of Research and Engagement) received over \$1 million in new funding from the National Science Foundation “BRIGHT-CS: Building Student Retention through Individuated Guided coHort Training in Computer Science.” BRIGHT-CS proposes to create a comprehensive computer science and empowerment model for African American/black girls by building strategic partnerships with schools, universities, non-profit and community organizations.

Dr. Dennis Lajeunesse (Joint School of Nanoscience and Nanoengineering) received \$436,375 from the NIH National Institute of Allergy and Infectious Diseases (NIAID) to address the growing concern of fungal infections in hospitals, convalescent homes, and schools. The rise of drug-resistant strains of pathogenic fungi is a major part of this problem. His research team has identified a new, mechanical means of killing pathogenic fungi using a biomimetic nanomaterial, called Nanostructured Surfaces. This award will support the further investigation of how Nanostructured Surfaces kills pathogenic fungi and how to use this information to create new and powerful means of antifungal control that will defy resistance.



Dana Dunn
Provost and Executive Vice Chancellor