

September 17, 2013

The Office of Research and Economic Development is pleased to announce awards received by UNC Charlotte Researchers in the month of August, 2013.

Total amount awarded for the month of August was \$5,394,508

Fiscal Year To Date Total: \$8,494,031

<b>Award Title</b>	<b>Amount</b>	<b>Investigators</b>	<b>Lead PI Dept.</b>	<b>Sponsors</b>
2013-2014 Charlotte-Mecklenburg Quality of Life Study	\$40,199	<b>Lead PI:</b> Furuseh, Owen	Metropolitan Studies and Extended Academic Programs	<b>Sponsor:</b> Charlotte Mecklenburg County
A double blind, randomized, placebo controlled, parallel group study to simultaneously qualify a biomarker algorithm for prognosis of risk of developing mild cognitive impairment due to Alzheimer's disease (MCI due to AD) and to test the safety and efficacy of pioglitazone to delay the onset of MCI due to AD in cognitively normal subjects	\$441,208	<b>Lead PI:</b> Demakis, George	Psychology	<b>Sponsor:</b> Carolinas Medical Center (CMC)
Building Engineering Pathways, Through Engineering Physics and Introduction to Engineering Courses	\$2,000	<b>Lead PI:</b> Raquet, Jeffrey <b>Co-PIs:</b> Smelser, Ronald	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> East Carolina University
Center on Secondary Education for Students with Autism Spectrum Disorders	\$269,999	<b>Lead PI:</b> Browder-Boswell, Diane <b>Co-PIs:</b> Test, David	Special Education and Child Development	<b>Sponsor:</b> UNC-CH FPG Child Development Institute
Charlotte Mecklenburg Senior Center - Graduate Student Support	\$32,050	<b>Lead PI:</b> Turner, Michael	Kinesiology	<b>Sponsor:</b> Charlotte Mecklenburg Senior Center
Collaborative Preservice: Preparing Excellent Teachers for All Students	\$99,493	<b>Lead PI:</b> Anderson, Kelly	Special Education and Child Development	<b>Sponsor:</b> US Department of Education (DOED)
Collaborative Research: Assembling the Echinoderm Tree of Life	\$15,000	<b>Lead PI:</b> Janies, Daniel	Bioinformatics and Genomics	<b>Sponsor:</b> National Science Foundation (NSF)
Collaborative Research: EAGER: Visualizing Event Dynamics with Narrative Animation	\$75,317	<b>Lead PI:</b> Yang, Jing	Computer Science	<b>Sponsor:</b> National Science Foundation (NSF)

<b>Award Title</b>	<b>Amount</b>	<b>Investigators</b>	<b>Lead PI Dept.</b>	<b>Sponsors</b>
Conformal Metamaterial Antennas	\$50,000	<b>Lead PI:</b> Adams, Ryan	Electrical and Computer Engineering	<b>Sponsor:</b> Raytheon Company
Cyber Vulnerability Assessment Pilot Project	\$19,694	<b>Lead PI:</b> Manjrekar, Madhav	Electrical and Computer Engineering	<b>Sponsor:</b> Waverley Labs, LLC
Determination of Vertical Resistance for Sheet Pile Abutments	\$231,459	<b>Lead PI:</b> Pando, Miguel <b>Co-PIs:</b> Whelan, Matthew; Ogunro, Vincent;	Civil and Environmental Engineering	<b>Sponsor:</b> North Carolina Department of Transportation (NCDOT)
Early Childhood Paraprofessional Preservice Professional Development Project	\$145,970	<b>Lead PI:</b> Algozzine, Robert <b>Co-PIs:</b> D'Amico, Mark; Correa, Vivian;	Educational Leadership	<b>Sponsor:</b> US Department of Education (DOED)
Expanding the Design Space of Synthetic Flexible Flapping Wings by Advancing Fabrication and Optimization Methodologies: University of North Carolina at Charlotte Sub-award	\$70,000	<b>Lead PI:</b> Schmitz, Tony	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> University of Florida
Freedom Schools Summer Food Program	\$7,995	<b>Lead PI:</b> Taylor, David	Reading and Elementary Education	<b>Sponsor:</b> NC Department of Health and Human Services
HCC: Small: Designing Tangible Computing for Creativity	\$172,769	<b>Lead PI:</b> Maher, Mary	Software and Information Systems	<b>Sponsor:</b> National Science Foundation (NSF)
HRSA NAT Scholarships	\$33,007	<b>Lead PI:</b> Kennerly, Susan	School of Nursing	<b>Sponsor:</b> Health Resources and Services Administration (HRSA)
Improved Methods for Generator Rotor Trimming and Charting	\$56,106	<b>Lead PI:</b> Ziegert, John <b>Co-PIs:</b> Schmidt, Peter	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> Siemens Energy
Industrial membership fees for a new I/UCRC - Configuration, Analytics and Automation.	\$150,000	<b>Lead PI:</b> Al-Shaer, Ehab	Software and Information Systems	<b>Sponsor:</b> All Other Business and Industry
Influence of stormwater management structures on ecological function in urban streams	\$49,729	<b>Lead PI:</b> McMillan, Sara Clinton, Sandra	Civil and Environmental Engineering	<b>Sponsor:</b> National Science Foundation (NSF)

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Intervention Development for More Effective Nurse-to-Nurse Handoff Communication	\$6,000	<b>Lead PI:</b> Davis, Boyd	English	<b>Sponsor:</b> Department of Veterans Affairs
KIPP/Gaston College Prep School TIMS Computerized Bus Routing Project 2013	\$3,450	<b>Lead PI:</b> Pressley, JoAnne	Urban Institute	<b>Sponsor:</b> KIPP:GCP Gaston College Prep Public Schools
NeTS: Small: Collaborative Research: Enabling Network Agility through Virtualized Infrastructure Migration	\$249,999	<b>Lead PI:</b> Al-Shaer, Ehab	Software and Information Systems	<b>Sponsor:</b> National Science Foundation (NSF)
NeTS: Small: Collaborative Research: Towards Reliable, Energy-Efficient, and Secure Vehicular Networks	\$229,357	<b>Lead PI:</b> Wang, Yu	Computer Science	<b>Sponsor:</b> National Science Foundation (NSF)
Numerical Simulations of Turbulent Mixing due to the Richtmyer-Meshkov Instability	\$80,000	<b>Lead PI:</b> Ramaprabhu, Praveen	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> Los Alamos National Laboratory (LANL)
Ocean energy power take off using magnetic gears and power conversion architectures for wave energy converters	\$250,850	<b>Lead PI:</b> Bird, Jonathan Williams, Wesley	Electrical and Computer Engineering	<b>Sponsor:</b> UNC Coastal Studies Institute (UNC-CSI)
OUTSpoken 2013, Yvette Flunder	\$4,000	<b>Lead PI:</b> Brintnall, Kent	Religious Studies	<b>Sponsor:</b> Alliance for Full Acceptance (AFFA)
Personnel Preparation Program in Low Incidence Severe Disabilities	\$241,478	<b>Lead PI:</b> Spooner, Fred <b>Co-PIs:</b> Wood, Wendy	Special Education and Child Development	<b>Sponsor:</b> US Department of Education (DOED)
Photonic Devices Based on Circuits of Supermonodisperse Spherical Cavities	\$50,000	<b>Lead PI:</b> Astratov, Vasily	Physics and Optical Science	<b>Sponsor:</b> DOD/Army/Army Research Office
Public Service Fellowship Mecklenburg County Business Support Services Agency	\$23,476	<b>Lead PI:</b> Leland, Suzanne	Political Science and Public Administration	<b>Sponsor:</b> Charlotte-Mecklenburg County Government
Quantifying Incidental Bicycle & Pedestrian Costs in Highway Projects	\$96,864	<b>Lead PI:</b> Chesser, John	Urban Institute	<b>Sponsor:</b> North Carolina Department of Transportation (NCDOT)

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Status and Behavior	\$218,735	<b>Lead PI:</b> Webster, Murray <b>Co-PIs:</b> Walker, Lisa	Sociology	<b>Sponsor:</b> National Science Foundation (NSF)
Student Support Services Program	\$246,071	<b>Lead PI:</b> Blat, Catherine Lucas, Mary	University Center for Academic Excellence	<b>Sponsor:</b> US Department of Education (DOED)
Support of Standards for Geometric Product Specification and Verification	\$154,028	<b>Lead PI:</b> Morse, Edward	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> DOC National Institute of Standards and Technology (NIST)
The UNC Charlotte GAANN Fellowship Program in Computing and Informatics	\$223,620	<b>Lead PI:</b> Raja, Anita <b>Co-PIs:</b> Dahlberg, Teresa; Ras, Zbigniew;	Software and Information Systems	<b>Sponsor:</b> US Department of Education (DOED)
Transition to College and Careers Center	\$1,100,000	<b>Lead PI:</b> Test, David	Special Education and Child Development	<b>Sponsor:</b> US Department of Education (DOED)
UNC Charlotte's Ph.D. Program in Special Education with a Specialty in Multi- tiered Interventions	\$249,585	<b>Lead PI:</b> Lo, Ya-yu <b>Co-PIs:</b> Wood, Charles	Special Education and Child Development	<b>Sponsor:</b> DOED Office of Special Education and Rehabilitative Services (OSERS)
Writing Project Professional Development in High Need Schools	\$5,000	<b>Lead PI:</b> Brannon, Lilian	English	<b>Sponsor:</b> National Writing Project (NWP)