

November 20, 2013

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

Total amount awarded for the month of October was \$2,785,067

Fiscal Year To Date Total: \$17,456,681

Award Title	Amount	Investigators	Current PI Dept.	Sponsors
Accomplished Teachers of Mathematics and Science	\$18,227	Current PI: McIntyre, Ellen	Deans Office, College of Education	Sponsor: North Carolina State University (NCSU) Prime Sponsor: National Science Foundation (NSF)
An Analytical Framework for Rapid End-to-End Support for Effective Civil-Military Operations Planning	\$186,221	Current PI: Tolone, William Other Personnel: Ribarsky, Martin; Dou, Wenwen; Wang, Xiaoyu;	Deans Office, College of Computing and Informatics	Sponsor: Engineer Research and Development Center (ERDC)
Analysis and Modeling of Demographic Cohorts in the Scientific Workforce	\$59,000	Current PI: Ribarsky, Martin	Computer Science	Sponsor: Pacific Northwest National Laboratory (PNNL) Prime Sponsor: Department of Energy (DOE)
Arabidopsis 2010: Analysis of the cytokinin-regulated transcriptional network	\$124,367	Current PI: Lorraine, Ann	Bioinformatics and Genomics	Sponsor: National Science Foundation
Blast Testing of Steel Stud Wall Specimens	\$8,000	Current PI: Weggel, David Other Personnel: Whelan, Matthew	Civil and Environmental Engineering	Sponsor: The Steel Network, Inc. (TSN)
Children's Defense Fund Freedom Schools Summer Program Evaluation	\$17,000	Current PI: Caratao, Frederick Other Personnel: Gavarkavich, Diane	Urban Institute	Sponsor: Freedom School Partners
Collaborative Research: Determining the Role of Insolation in the Mechanical Breakdown of Rock	\$11,904	Current PI: Eppes, Martha Other Personnel: Warren, Kimberly	Geography and Earth Sciences	Sponsor: National Science Foundation
Curriculum Development and Articulation Agreements for Mission Critical Operator Training at Local Community College	\$1,566,788	Current PI: Williams, Wesley Other Personnel: Browne, Aidan; Brizendine, Anthony; Sharer, Deborah; Wang, Weichao;	Engineering, Technology, and Construction Management	Sponsor: Department of Labor (DOL)

Development of Technology for Assessing and Modeling the Hydraulic Efficiency of the Recirculation System of an Aquatics Venue	\$34,999	Current PI: Amburgey, James	Civil and Environmental Engineering	Sponsor: National Swimming Pool Foundation (NSPF)
Evaluation of On Ramp Project of the Relatives/Alexander Youth Network, FY 2014	\$20,000	Current PI: Haber, Mason	Psychology	Sponsor: Alexander Youth Network
Firewall Metrics	\$116,518	Current PI: Al-Shaer, Ehab	Software and Information Systems	Sponsor: North Carolina State University (NCSU) Prime Sponsor: Army Research Office (ARO)
Genomic analysis of two-component signaling elements in rice	\$167,686	Current PI: Loraine, Ann	Bioinformatics and Genomics	Sponsor: University of North Carolina at Chapel Hill (UNC-CH) Prime Sponsor: National Science Foundation (NSF)
Keeping RNs to Improve and Strengthen Population Health (KRISP)	\$46,507	Current PI: Issel, Michele	Public Health Sciences	Sponsor: University of Illinois at Chicago (UIC) Prime Sponsor: Health Resources and Services Administration (HRSA)
NC SPACE GRANT AFFILIATE PROGRAM, NASA/State Funding GY2011	\$10,000	Current PI: Conrad, James	Electrical and Computer Engineering	Sponsor: North Carolina Space Grant Consortium (NC Space Grant) Prime Sponsor: National Aeronautics and Space Administration (NASA)
Political Theologies in Early Modern Dutch Women's Writings	\$200	Current PI: Pipkin, Amanda	History	Sponsor: Folger Shakespeare Library
Preliminary Study of Global Advancement and Manual Development for Korean Construction Management (CM) Firm	\$5,000	Current PI: Cho, Chung-Suk	Engineering, Technology, and Construction Management	Sponsor: SAMOO Architects & Engineers

Public Service Fellowship Charlotte Works	\$22,122	Current PI: Leland, Suzanne	Political Science and Public Administration	Sponsor: Charlotte Works
Redesign of Mathematics Foundation Courses for STEM:Proposal in Response to the Leveraging Technology RFP	\$60,000	Current PI: Kazemi, Mohammad Other Personnel: Taylor, Desire'; Taylor, John; Shaban, Wafaa;	Mathematics and Statistics	Sponsor: University of North Carolina General Administration (UNC GA)
Research Fellowship with Outliers	\$8,000	Current PI: Rubin, Beth	Sociology	Sponsor: Outlier, LLC Prime Sponsor: Inc Magazine and the Build Network
Residual Stress Characterization of Metals and Alloys During Machining Processes	\$52,480	Current PI: Handy, Rodney Other Personnel: Schmidt, Peter	Engineering, Technology, and Construction Management	Sponsor: B&WY12 Prime Sponsor: DOE Office for Nuclear Security/National Nuclear Security Administration
Short Term Load Forecasting for Arkansas Electric Cooperative Corporation	\$10,000	Current PI: Hong, Tao	Systems Engineering and Engineering Management	Sponsor: Arkansas Electric Cooperative Corporation
Confidential	\$199,196	Current PI: Parkhideh, Babak Other Personnel: Enslin, Johan	Electrical and Computer Engineering	Sponsor: Confidential
Statewide BizBoost #4 Project	\$22,862	Current PI: McAllister, George	Small Business Technology Development Center (SBTDC)	Sponsor: North Carolina Department of Commerce (NCDOC) Prime Sponsor: Department of Labor (DOL)
The Joint 9th Annual State of North Carolina Undergraduate Research and Creativity Symposium (SNCURCS) and the North Carolina Louis Stokes Alliance for Minority Participation (NC-LSAMP) Annual Research Conference	\$3,000	Current PI: Brown, Banita	Deans Office, College of Liberal Arts and Sciences	Sponsor: North Carolina Biotechnology Center (NCBC)

Writing Project Professional Development in High Need Schools	\$15,000	Current PI: Brannon, Lilian	English	Sponsor: National Writing Project (NWP) Prime Sponsor: US Department of Education (DOED)
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