

May 20, 2014

The Office of Research and Economic Development is pleased to announce awards received by UNC Charlotte Researchers in the month of April, 2014.

Total amount awarded for the month of April was \$1,683,705

Fiscal Year To Date Total: \$27,342,230

<b>Award Title</b>	<b>Amount</b>	<b>Investigators</b>	<b>PI Dept.</b>	<b>Sponsors</b>
<b>2014 Charlotte-Mecklenburg Annual Telephone Survey of Mecklenburg County Residents.</b>	\$12,250	<b>Principal Investigator (PI):</b> Caratao, Frederick	Urban Institute	<b>Sponsor:</b> Goodwill Industries of the Southern Piedmont
<b>2014-15 Berkeley County Schools</b>	\$4,500	<b>Principal Investigator (PI):</b> Pressley, JoAnne	Urban Institute	<b>Sponsor:</b> Berkeley County Schools
<b>3D Meta-Optics for High Energy Lasers</b>	\$275,757	<b>Principal Investigator (PI):</b> Boreman, Glenn	Physics and Optical Science	<b>Sponsor:</b> Department of Defense (DOD)/Air Force/Office of Scientific Research (AFOSR)
<b>Achieve 225 Evaluation Plan</b>	\$21,000	<b>Principal Investigator (PI):</b> Racine, Elizabeth	Public Health Sciences	<b>Sponsor:</b> Charlotte Mecklenburg Schools <b>Prime Sponsor:</b> US Department of Education (DOED)
<b>Areva Executive Education Program</b>	\$49,688	<b>Principal Investigator (PI):</b> Enslin, Johan <b>Co-PIs:</b> Chowdhury, Badrul; Young, David; Schwarz, Peter; Hong, Tao	Electrical and Computer Engineering	<b>Sponsor:</b> Areva NP Inc
<b>CAREER: Investigating Process- Structure-Property Correlations of Nitrides and Oxides for High Temperature Thermoelectric Applications</b>	\$10,000	<b>Principal Investigator (PI):</b> Lu, Na	Engineering Technology and Construction Management	<b>Sponsor:</b> National Science Foundation (NSF)
<b>Cyber Vulnerability Assessment - Phase 2</b>	\$69,162	<b>Principal Investigator (PI):</b> Manjrekar, Madhav	Electrical and Computer Engineering	<b>Sponsor:</b> Waverley Labs, LLC

<b>Diet, Obesity and the Etiology of Diverticulosis</b>	\$59,950	<b>Principal Investigator (PI):</b> Fodor, Anthony	Bioinformatics and Genomics	<b>Sponsor:</b> University of North Carolina at Chapel Hill (UNC-CH) <b>Prime Sponsor:</b> National Institutes of Health (NIH)
<b>Environment, State, and Society in the Caribbean and Latin America</b>	\$1,500	<b>Principal Investigator (PI):</b> De la Torre Cueva, Oscar	Africana Studies	<b>Sponsor:</b> Duke University <b>Prime Sponsor:</b> US Department of Education (DOED)
<b>Exotic optical beam classes for free-space communication and sensing applications</b>	\$36,821	<b>Principal Investigator (PI):</b> Gbur, Gregory	Physics and Optical Science	<b>Sponsor:</b> Department of Defense (DOD)/ Air Force Office of Scientific Research (AFOSR)
<b>Geoclimatic Design of Alternative Final Covers for Municipal Solid Waste Landfills in Texas</b>	\$145,000	<b>Principal Investigator (PI):</b> Khire, Milind	Civil and Environmental Engineering	<b>Sponsor:</b> TxSWANA
<b>Governor's Institute on Substance Abuse 2014 McLeod Scholarships</b>	\$10,000	<b>Principal Investigator (PI):</b> Lassiter, Pamela	Counseling	<b>Sponsor:</b> North Carolina Department of Health and Human Services (NCDHHS)
<b>I/UCRC for Sustainably Integrated Buildings and Sites</b>	\$93,000	<b>Principal Investigator (PI):</b> Cox, Robert <b>Co-PIs:</b> Daniels, John; Clinton, Sandra	Electrical and Computer Engineering	<b>Sponsor:</b> National Science Foundation (NSF)
<b>Identifying Biomarkers for Pulmonary Exacerbation Onset in Cystic Fibrosis</b>	\$42,746	<b>Principal Investigator (PI):</b> Stokell, Joshua	Biological Sciences	<b>Sponsor:</b> Cystic Fibrosis Foundation
<b>Improvement of Vehicle Aerothermal Efficiency Through Optimized Underhood Airflow Management</b>	\$64,632	<b>Principal Investigator (PI):</b> Uddin, Mesbah	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> Hyundai America Technical Center, Inc. (HATCI)
<b>Kakehashi Project</b>	\$251,580	<b>Principal Investigator (PI):</b> Kato, Fumie	Languages and Culture Studies	<b>Sponsor:</b> Laurasian Institution <b>Prime Sponsor:</b> Japanese Government
<b>MUC1 regulation of TGF-beta function in pancreatic cancer cells</b>	\$5,198	<b>Principal Investigator (PI):</b> Mukherjee, Pinku	Biological Sciences	<b>Sponsor:</b> NIH National Cancer Institute (NCI)

<b>NCEMC Integrated Load Forecasting Project</b>	\$45,603	<b>Principal Investigator (PI):</b> Hong, Tao	Systems Engineering and Engineering Management	<b>Sponsor:</b> North Carolina Electric Membership Corporation (NCEMC)
<b>New Site of I/UCRC Safety, Security, and Rescue Research Center</b>	\$60,000	<b>Principal Investigator (PI):</b> Xiao, Jing	Computer Science	<b>Sponsor:</b> National Science Foundation (NSF)
<b>Our Friends the Enemies Allied Occupation of France, 1815-1818</b>	\$6,000	<b>Principal Investigator (PI):</b> Haynes, Christine	History	<b>Sponsor:</b> American Philosophical Society (APS)
<b>Our Friends the Enemies, First Allied Occupation of France, 1815-1818</b>	\$3,179	<b>Principal Investigator (PI):</b> Haynes, Christine	History	<b>Sponsor:</b> German Academic Exchange Service Deutscher Akademischer Austausch Dienst
<b>Petrographic Examination and Laboratory Testing of Concrete Core Samples - 2013 Pavement Management Program, Hartsfield-Jackson Atlanta International Airport, Atlanta, Georgia</b>	\$62,933	<b>Principal Investigator (PI):</b> Cavalline, Tara <b>Co-PI:</b> Williams, Wesley	Engineering Technology and Construction Management	<b>Sponsor:</b> Boudreau Engineering, Inc. <b>Prime Sponsor:</b> City of Atlanta
<b>Proof of Concept for External Band Bending Solar Cells</b>	\$204,948	<b>Principal Investigator (PI):</b> Ferguson, Ian	Electrical and Computer Engineering	<b>Sponsor:</b> Columbus Photovoltaics LLC
<b>PTAC - DLA 2014-2015</b>	\$31,013	<b>Principal Investigator (PI):</b> McAllister, George	Small Business and Technology Development Center (SBTDC)	<b>Sponsor:</b> NC Small Business Technology Development Council <b>Prime Sponsor:</b> Department of Defense (DOD) Defense Logistics Agency
<b>Rapid: Tag Team Hurricane Haiyan Wind And Storm Evaluations In The Philippines</b>	\$29,902	<b>Principal Investigator (PI):</b> Chen, Shen-En	Civil and Environmental Engineering	<b>Sponsor:</b> National Science Foundation (NSF)
<b>Smart Monitoring &amp; Diagnostics (SmartM&amp;D) Demonstration Center Phase I</b>	\$35,715	<b>Principal Investigator (PI):</b> Cox, Robert <b>Co-PI:</b> Salami, Zia	Electrical and Computer Engineering	<b>Sponsor:</b> Electric Power Research Institute (EPRI)

<b>Support for PECASE Program</b>	\$20,000	<b>Principal Investigator (PI):</b> Boreman, Glenn	Physics and Optical Science	<b>Sponsor:</b> Florida Institute of Technology <b>Prime Sponsor:</b> Department of Defense (DOD)/Office of Naval Research (ONR)
<b>University Of North Carolina Defense Applications Group Support For Special Operations Forces</b>	\$31,628	<b>Principal Investigator (PI):</b> Tolone, William <b>Co-PIs:</b> Ribarsky, Martin; Dou, Wenwen; Wang, Xiaoyu	Deans Office College of Computing and Informatics	<b>Sponsor:</b> University of North Carolina General Administration (UNC GA) <b>Prime Sponsor:</b> Department of Defense (DOD)/Army Research Office (ARO)