

February 16, 2015

The Office of Research and Economic Development is pleased to announce awards received by UNC Charlotte Researchers in the month of January, 2015.

Total amount awarded for the month of January was \$2,172,787

Fiscal Year To Date Total: \$24,641,147

Award Title	Amount	Investigators	PI Dept.	Sponsors
<i>2014 -2015 Environmental Services Mecklenburg County LUESA - Solid Waste Division</i>	\$36,650	Principal Investigator (PI): Guyer, Regina	Energy and Environmental Assistance Office	Sponsor: Mecklenburg County Land Use and Environmental Services Agency (LUESA)
<i>2015 Cultural Life Survey-ASC</i>	\$21,000	Principal Investigator (PI): Caratao, Frederick	Urban Institute	Sponsor: Arts and Sciences Council
<i>3D Meta-Optics for High Energy Lasers</i>	\$273,010	Principal Investigator (PI): Boreman, Glenn	Physics and Optical Science	Sponsor: Department of Defense (DOD)/Air Force/Office of Scientific Research
<i>4-Month Fellowship at Yale's Gilder Lehrman Center.</i>	\$4,124	Principal Investigator (PI): De la Torre Cueva, Oscar	Africana Studies	Sponsor: Gilder Lehrman Center for the Study of Slavery, Resistance, and Abolition Prime Sponsor: Yale University
<i>Advanced High Torque Density Magnetically Geared Generator</i>	\$500,000	Principal Investigator (PI): Bird, Jonathan Co-PI: Williams, Wesley	Electrical and Computer Engineering	Sponsor: Department of Energy (DOE)
<i>Analyzing and Depicting Social Media through Signal Metrics</i>	\$100,000	Principal Investigator (PI): Ribarsky, Martin	Computer Science	Sponsor: Department of Defense (DOD) Army Research Office (ARO)
<i>Assessing the Delivery Challenges of the Provider Network for Medicaid Funded Mental Health, Substance Abuse and Intellectual Developmental Disabilities</i>	\$31,865	Principal Investigator (PI): Blanchette, Christopher	Deans Office College of Health and Human Services	Sponsor: Cardinal Innovations Healthcare Solutions
<i>Augustine Literacy Project</i>	\$6,000	Principal Investigator (PI): Hawn Nelson, Amy	Urban Institute	Sponsor: Augustine Literacy Project Charlotte

<i>Cabarrus County CDC REACH Evaluation</i>	\$80,000	Principal Investigator (PI): Racine, Elizabeth	Public Health Sciences	Sponsor: Cabarrus County Prime Sponsor: Centers for Disease Control and Prevention (CDC)
<i>Capacity Building Collaboration in an African University</i>	\$14,000	Principal Investigator (PI): Ogundiran, Akinwumi	Africana Studies	Sponsor: Carnegie Corporation of New York
<i>CAREER: An Experimentally-Infused Plant and Control Optimization Framework for Airborne Wind Energy Systems</i>	\$500,000	Principal Investigator (PI): Vermillion, Chris	Mechanical Engineering and Engineering Science	Sponsor: National Science Foundation (NSF)
<i>Charlotte Teachers Institute</i>	\$5,000	Principal Investigator (PI): Gartlan, Scott	Deans Office College of Liberal Arts and Sciences	Sponsor: Charlotte Hornets Foundation
<i>EducationUSA Leadership Institutes: Campus Internationalization: Institutional Structures to Support Inbound and Outbound Student Mobility</i>	\$51,500	Principal Investigator (PI): Gallegos, Joel Co-PI: Siracusa, Jessica	International Programs	Sponsor: Institute of International Education (IIE) Prime Sponsor: Department of State (DOS)
<i>Effect of Weathering on the Performance of Fire Retardant Coatings</i>	\$40,000	Principal Investigator (PI): Zhou, Aixi	Engineering Technology and Construction Management	Sponsor: Insurance Institute for Business & Home Safety (IBHS)
<i>Energy Performance Assessment Process for a Near Real-Time Dashboard</i>	\$43,463	Principal Investigator (PI): Cox, Robert	Electrical and Computer Engineering	Sponsor: Geosyntec Consultants, Inc. Prime Sponsor: Department of Defense (DOD)
<i>Examination of Risk for Sleep Disordered Breathing Among College Football Players</i>	\$7,500	Principal Investigator (PI): Marino, Joseph	Kinesiology	Sponsor: National Collegiate Athletic Association (NCAA)
<i>Examination of the Relationship between Early Career Teachers' Occupational Stress and Their Professional Trajectory</i>	\$16,823	Principal Investigator (PI): Fitchett, Paul	Middle, Secondary and K-12 Education	Sponsor: University of Texas at Austin Prime Sponsor: Spencer Foundation

<i>Expansion of the Smart Monitoring and Diagnostic (M&D) Center Laboratory Demonstration at the University of North Carolina, Charlotte.</i>	\$46,942	Principal Investigator (PI): Cox, Robert	Electrical and Computer Engineering	Sponsor: Electric Power Research Institute (EPRI)
<i>First 3 Beginning Teacher Support Program</i>	\$19,000	Principal Investigator (PI): Cowan-Hathcock, Misty	Deans Office College of Education	Sponsor: Z Smith Reynolds Foundation
<i>GEAR UP Aspire Day</i>	\$3,741	Principal Investigator (PI): Lopez, Samuel	Multicultural Academic Services	Sponsor: UNC GA Academic Affairs Prime Sponsor: US Department of Education (DOED)
<i>Improved Methods for Generator Rotor Trimming and Charting</i>	\$61,934	Principal Investigator (PI): Ziegert, John Co-PI: Schmidt, Peter	Mechanical Engineering and Engineering Science	Sponsor: Siemens Energy
<i>Improved Methods for Mounting and Alignment of Rotors on Slotter</i>	\$36,999	Principal Investigator (PI): Ziegert, John Co-PI: Morse, Edward	Mechanical Engineering and Engineering Science	Sponsor: Siemens Energy
<i>Making Our Worlds</i>	\$20,000	Principal Investigator (PI): Brannon, Lilian	English	Sponsor: National Writing Project (NWP) Prime Sponsor: John D and Catherine T MacArthur Foundation
<i>Materials Characterization Laboratory Services - Master Agreement with BSN Medical, Inc.</i>	\$792	Principal Investigator (PI): Weaver, Katherine	Mechanical Engineering and Engineering Science	Sponsor: BSN Medical
<i>National Science Foundation Graduate Research Fellowship Program</i>	\$77,000	Principal Investigator (PI): Sell, Susan	Graduate School	Sponsor: National Science Foundation (NSF)
<i>Online learning platform for introducing clinicians and researchers to metabolomics</i>	\$8,683	Principal Investigator (PI): Du, Xiuxia	Bioinformatics and Genomics	Sponsor: University of North Carolina at Chapel Hill (UNC-CH) Prime Sponsor: National Institutes of Health (NIH)

<i>Polynomials and rational functions associated to discrete structures</i>	\$21,000	Principal Investigator (PI): Heteyi, Gabor	Mathematics and Statistics	Sponsor: Simons Foundation
<i>Producing Age: Children, Deception, and Avoiding Giving in the Marshall Islands</i>	\$40,000	Principal Investigator (PI): Berman, Elise	Anthropology	Sponsor: Wenner Gren Foundation
<i>Salvation Army of Greater Charlotte: Rapid Rehousing Assessment Project 2015</i>	\$8,500	Principal Investigator (PI): Clark, Ashley	Urban Institute	Sponsor: Salvation Army of Greater Charlotte
<i>Single Silicon Integrated Circuit Photovoltaic (PV) Inverter</i>	\$92,000	Principal Investigator (PI): Parkhideh, Babak Co-PI: Enslin, Johan; Cox, Robert	Electrical and Computer Engineering	Sponsor: Sinewatts, Inc. Prime Sponsor: Department of Energy (DOE)
<i>Statistical Methods in HIV Vaccine Efficacy Trials</i>	\$5,261	Principal Investigator (PI): Sun, Yanqing	Mathematics and Statistics	Sponsor: Fred Hutchinson Cancer Research Center Prime Sponsors: National Institutes of Health (NIH National Institute of Allergy and Infectious Diseases (NIAID)