

Thursday, August 28, 2014

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

Total amount awarded for the month of July was \$3,546,513

Fiscal Year to Date Total: \$3,546,513

Award Title	Amount	Investigators	PI Dept.	Sponsors
2014 BRFSS Community Survey & Smoke-Free Policy Poll of Local Businesses	\$85,760	Principal Investigator (PI): Caratao, Frederick	Urban Institute	Sponsor: Mecklenburg County Health Department
49er Alerts: Library Mobile Application to Facilitate Information Discovery	\$24,434	Principal Investigator (PI): Kim Wu, Somaly	Library Digital Initiatives	Sponsor: North Carolina Library Services and Technology Act (LSTA) Prime Sponsor: North Carolina State Library
4-Month Fellowship at Yale's Gilder Lehrman Center.	\$13,532	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
Asymptotic and Spectral Analysis of Applied Non-self-adjoint Problems	\$135,425	Principal Investigator (PI): Molchanov, Stanislav Co-PI: Vainberg, Boris	Mathematics and Statistics	Sponsor: National Science Foundation (NSF)
Automotive Windshield Defogging Simulations and Validations	\$40,000	Principal Investigator (PI): Uddin, Mesbah	Mechanical Engineering and Engineering Science	Sponsor: Hyundai America Technical Center, Inc. (HATCI)
Collaborative Research: Testing hypotheses about human and climate impacts on fire over the past millennium using paleodata syntheses and global fire modeling	\$118,336	Principal Investigator (PI): Magi, Brian	Geography and Earth Sciences	Sponsor: National Science Foundation (NSF)
Confidential	\$49,026	Principal Investigator (PI): Listwan, Shelley	Criminal Justice and Criminology	Sponsor: Confidential

Award Title	Amount	Investigators	PI Dept.	Sponsors
Crossing Borders: Making Connections	\$306,047	Principal Investigator (PI): Edwards, Lienne Co-PIs: Yang, Avonne; Toth, Cynthia; Baldwin, Defloris; Portwood, Sharon	School of Nursing	Sponsor: Health Resources and Services Administration (HRSA)
DAVIDSONX STUDY: QUALITATIVE COMPONENT 2014-15	\$12,500	Principal Investigator (PI): Apaliski, Claire Co-PIs: Hawn Nelson, Amy; Caratao, Frederick	Urban Institute	Sponsor: Davidson College
Densifying Sparse Computation for Efficient GPU Execution	\$1,489	Principal Investigator (PI): Saule, Erik	Computer Science	Sponsor: NVIDIA Corporation
Development and Operation of a Web GIS-enabled Data Management System for the Santee Experimental Forest	\$3,500	Principal Investigator (PI): Tang, Wenwu Co-PIs: Shoemaker, Douglas; Meentemeyer, Ross	Geography and Earth Sciences	Sponsor: USDA
Drying, Storing and Reanimating Egg Germinal Vesicles - A Novel Strategy for Female Fertility Preservation	\$18,046	Principal Investigator (PI): Elliott, Gloria	Mechanical Engineering and Engineering Science	Sponsor: Smithsonian Institution Prime Sponsor: DHHS/NIH
Evaluation of the Implementation of the K-3 Formative Assessments	\$578,825	Principal Investigator (PI): Lambert, Richard Co-PI: Shue, Pamela	Educational Leadership	Sponsor: North Carolina Department of Public Instruction (NCDPI)
Evaluation of the Role of Salinity in Determining Levels of Vibrio vulnificus and Vibrio parahaemolyticus in North Carolina Oysters and Clams	\$308,203	Principal Investigator (PI): Oliver, James	Biological Sciences	Sponsor: NOAA National Marine Fisheries Service (NMFS)
Evaluation of Transition Programs of North Carolina Families United, Contract Extension, 2014	\$7,000	Principal Investigator (PI): Haber, Mason	Psychology	Sponsor: North Carolina Families United
Graduate Student Assistantship: Kinsey Britting	\$23,949	Principal Investigator (PI): Test, David	Special Education and Child Development	Sponsor: University of South Carolina (USC)

Award Title	Amount	Investigators	PI Dept.	Sponsors
HCC: Small: Designing Tangible Computing for Creativity	\$170,551	Principal Investigator (PI): Maher, Mary	Software and Information Systems	Sponsor: National Science Foundation (NSF)
Hunoval Greenbelt Program - Phase II	\$79,988	Principal Investigator (PI): Ozelkan, Ertunga Co-PI: Teng, Sheng-Hsien	Systems Engineering and Engineering Management	Sponsor: Hunoval Law Firm, PLLC
Joy Charter School TIMS Computerized Bus Routing Project 2014-15	\$2,680	Principal Investigator (PI): Pressley, JoAnne	Urban Institute	Sponsor: Maureen Joy Charter School
KIPP/Gaston College Prep School TIMS Computerized Bus Routing Project 2014-15	\$2,875	Principal Investigator (PI): Pressley, JoAnne	Urban Institute	Sponsor: KIPP:GCP Gaston College Prep Public Schools
LSTA Access & Digitization 2013-2014 Project Grant	\$99,625	Principal Investigator (PI): Evans, Meredith	Library Special Collections	Sponsor: North Carolina State Library Prime Sponsor: Institute of Museum and Library Services
Machining near-net shaped titanium parts	\$25,338	Principal Investigator (PI): Schmitz, Tony	Mechanical Engineering and Engineering Science	Sponsor: The Boeing Company
Mecklenburg County Bar Diversity Study 2014	\$8,000	Principal Investigator (PI): Simmons, Laura Co-PI: Caratao, Frederick	Urban Institute	Sponsor: Mecklenburg County Bar
Meso-Scale Testing Of Solidification/Stabilization Of Flue Gas Desulfurization Waste Water (FGD WW)	\$229,150	Principal Investigator (PI): Ogunro, Vincent Co-PI: Khire, Milind	Civil and Environmental Engineering	Sponsor: Duke Energy Corporation
Minimizing uncertainty in freeform optics metrology using CMMs	\$198,734	Principal Investigator (PI): Evans, Christopher	Mechanical Engineering and Engineering Science	Sponsor: National Science Foundation (NSF)

Award Title	Amount	Investigators	PI Dept.	Sponsors
NC New Teacher Support Program	\$30,000	Principal Investigator (PI): McIntyre, Ellen	Deans Office College of Education	Sponsor: UNC GA Academic Affairs Prime Sponsor: DOED Office of Postsecondary Education
NC Space Grant Affiliate Program, NASA/State Funding GY2011	\$13,000	Principal Investigator (PI): Conrad, James	Electrical and Computer Engineering	Sponsor: North Carolina Space Grant Consortium (NC Space Grant) Prime Sponsor: National Aeronautics and Space Administration (NASA)
New Site of I/UCRC Safety, Security, and Rescue Research Center	\$40,000	Principal Investigator (PI): Xiao, Jing Co-PI: Akella, Srinivas	Computer Science	Sponsor: National Science Foundation (NSF)
Simultaneous Wind Shear Mapping and Altitude Optimization for Tethered Wind Energy Systems	\$286,819	Principal Investigator (PI): Vermillion, Chris	Mechanical Engineering and Engineering Science	Sponsor: National Science Foundation (NSF)
Socio-spatial Geographies of Hispanic Immigrant Youth Accessing the Urban Labor Market	\$12,000	Principal Investigator (PI): Smith, Heather Co-PI: Schuch, Johanna	Geography and Earth Sciences	Sponsor: Society of Women Geographers (SWG)
Structural studies of Sleeping Beauty transposase	\$327,264	Principal Investigator (PI): Nesmelova, Irina	Physics and Optical Science	Sponsor: National Institutes of Health (NIH)
Study - Load Forecasting Case Study	\$216,237	Principal Investigator (PI): Hong, Tao	Systems Engineering and Engineering Management	Sponsor: National Association of Regulatory Utility Commissioners (NARUC)
Sugar Creek Charter School TIMS Computerized Bus Routing Project 2014-15	\$2,680	Principal Investigator (PI): Pressley, JoAnne	Urban Institute	Sponsor: Sugar Creek Charter School

Award Title	Amount	Investigators	PI Dept.	Sponsors
Virtual Network Analyzer (VNA) for the accurate measurement of the spectral properties of anisotropic permittivities and permeabilities of complex man-made and naturally occurring objects.	\$75,500	Principal Investigator (PI): Klibanov, Michael Co-PI: Fiddy, Michael	Mathematics and Statistics	Sponsor: DOD DA Army Research Office (ARO)