

December 17, 2014

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

Total amount awarded for the month of November was \$2,010,222

Fiscal Year To Date Total: \$20,664,174

Award Title	Amount	Investigators	PI Dept.	Sponsors
2015 NASA Student Launch Maxi-MAV Competition	\$7,000	Principal Investigator (PI): Thorsett-Hill, Karen	Mechanical Engineering and Engineering Science	Sponsor: North Carolina Space Grant Consortium (NC Space Grant) Prime Sponsor: National Aeronautics and Space Administration (NASA)
6th Annual NASA Robotic Mining Competition - Team Grant	\$7,000	Principal Investigator (PI): Browne, Aidan Co-PI: Williams, Wesley	Engineering Technology and Construction Management	Sponsor: North Carolina Space Grant Consortium (NC Space Grant) Prime Sponsor: National Aeronautics and Space Administration (NASA)
ACS Project SEED 2014	\$7,500	Principal Investigator (PI): Schmedake, Thomas Co-PIs: Rabinovich, Daniel; Walter, Michael	Chemistry	Sponsor: American Chemical Society (ACS)
Adhesion of Concretes - Tension Bond Test	\$2,167	Principal Investigator (PI): Nicholas, Thomas	Engineering Technology and Construction Management	Sponsor: Mallard Creek Polymers
Assessment Practices to Support Mathematics Learning and Understanding for Students (APLUS)	\$342,545	Principal Investigator (PI): Pugalee, David Co-PIs: Polly, Andrew; Wang, Chuang; Stephan, Michelle; Lambert, Richard; Cifarelli, Victor	Center for STEM Education	Sponsor: Kannapolis City Schools Prime Sponsor: North Carolina Department of Public Instruction (NCDPI)

Discovering the Chemistry of Polymeric Semiconductors and Molecular Electronics: A New Polymer Education Kit for High School Science Classrooms	\$25,000	Principal Investigator (PI): Walter, Michael	Chemistry	Sponsor: Camille and Henry Dreyfus Foundation
Early College education in cooperation with Charlotte Mecklenburg Schools	\$92,749	Principal Investigator (PI): Howard, Michele	University College	Sponsor: Charlotte Mecklenburg Schools Prime Sponsor: NIH Center for Information Technology (CIT)
Engaging Military Veterans to Increase STEM Enrollment and Degrees Awarded	\$199,999	Principal Investigator (PI): Tkacik, Peter Co-PIs: Lim, Jae Hoon; Day, Kent; Uddin, Mesbah; Tolley, Patricia; Keanini, Russell	Mechanical Engineering and Engineering Science	Sponsor: Department of Defense (DOD) Department of the Navy (DN)
Genomic analysis of two-component signaling elements in rice	\$174,295	Principal Investigator (PI): Loraine, Ann	Bioinformatics and Genomics	Sponsor: University of North Carolina at Chapel Hill (UNC-CH) Prime Sponsor: National Science Foundation (NSF)
High speed Milling Demonstration: Scroll Elements	\$39,459	Principal Investigator (PI): Schmitz, Tony	Mechanical Engineering and Engineering Science	Sponsor: Agilent Technologies, Inc.
Hyperbolic metamaterial detectors	\$18,500	Principal Investigator (PI): Fiddy, Michael	Physics and Optical Science	Sponsor: UES Inc. Prime Sponsor: Department of Defense (DOD) Department of Air Force (DAF) Air Force Research Laboratory (AFRL)

Identifying Bacterial Biomarkers Associated with Disease Progression in Cystic Fibrosis	\$453,000	Principal Investigator (PI): Steck, Todd Co-PIs: Black, Hugh; Stokell, Joshua; White, Robert	Biological Sciences	Sponsor: NIH National Heart, Lung, and Blood Institute (NHLBI)
LCS International Film and Tournees Festival	\$2,200	Principal Investigator (PI): Bissiere, Michele Co-PI: LaMarca, Mary	Languages and Culture Studies	Sponsor: French American Cultural Exchange (FACE)
NASCAR Foundation Educational Needs Assessment	\$14,478	Principal Investigator (PI): Racine, Elizabeth Co-PIs: Gavarkavich, Diane; Rock, Tracy	Public Health Sciences	Sponsor: The NASCAR Foundation
Natural Resources and Conflict	\$100,000	Principal Investigator (PI): Walsh, James Co-PIs: Whitaker, Beth; Conrad, Justin	Political Science and Public Administration	Sponsor: Department of Defense (DOD)
NC SPACE GRANT AFFILIATE PROGRAM, NASA/State Funding GY2011	\$850	Principal Investigator (PI): Conrad, James Co-PIs: Willis, Andrew; Bird, Jonathan	Electrical and Computer Engineering	Sponsor: North Carolina Space Grant Consortium (NC Space Grant) Prime Sponsor: National Aeronautics and Space Administration (NASA)
Pragda grant for international film festival	\$1,250	Principal Investigator (PI): Delgadillo Latorre, Maria Co-PI: Rodriguez, Monica	Languages and Culture Studies	Sponsor: Pragda
Research on Tire Camber Control for Over-the-Road Trucks	\$37,919	Principal Investigator (PI): Tkacik, Peter	Mechanical Engineering and Engineering Science	Sponsor: Michelin Americas Research Corporation

SBA Federal SBTDC Budget for the 2015 Program Year	\$283,447	Principal Investigator (PI): McAllister, George	Small Business Technology Development Center (SBTDC)	Sponsor: North Carolina Small Business and Technology Development Center (NC SBTDC) Prime Sponsor: US Small Business Administration (SBA)
SRA FLEX Literacy	\$143,364	Principal Investigator (PI): Flynn, Lindsay Co-PI: Wood, Charles	Special Education and Child Development	Sponsor: McGraw-Hill Education
Support for PECASE Program	\$20,000	Principal Investigator (PI): Boreman, Glenn	Physics and Optical Science	Sponsor: Florida Institute of Technology Prime Sponsor: Department of Defense (DOD) Office of Naval Research (ONR)
The LoveSpeaksOut (LSO) Project	\$28,500	Principal Investigator (PI): Kulkarni, Shanti	Social Work	Sponsor: North Carolina Council for Women Prime Sponsor: Department of Health and Human Services (DHHS) Administration for Children and Families (ACF)
UNC_Charlotte Hardware teams to participate in IEEE SoutheastCon 2015	\$7,000	Principal Investigator (PI): BouSaba, Nabila	Electrical and Computer Engineering	Sponsor: North Carolina Space Grant Consortium (NC Space Grant) Prime Sponsor: NASA Education
Workshop: Environmentalism, Network Society, and Independent Cinema in Japan.	\$2,000	Principal Investigator (PI): Ogawa, Shota Co-PI: Tsuta , Tetsuichiro	Languages and Culture Studies	Sponsor: Association for Asian Studies (AAS)