

January 26, 2018

The Office of Research and Economic Development is pleased to announce awards received by UNC Charlotte Researchers in the month of December, 2017.

Total amount awarded for the month of December was \$4,487,023

Fiscal Year To Date Total: \$24,554,815

Award Title	Amount	Investigators	PI Dept.	Sponsors
2018 CCNC CAHPS Contract	\$574,450	Principal Investigator (PI): Carnes, Keith	Public Health Sciences	Sponsor: North Carolina Department of Health and Human Services (NCDHHS)
A Hermetically Sealed Magnetically Geared Marine Hydrokinetic Generator	\$265,093	Principal Investigator (PI): Williams, Wesley	Engineering Technology and Construction Management	Sponsor: Portland State University Prime Sponsor: Department of Energy (DOE) Office for Energy Efficiency and Renewable Energy
Beyond the genome: impact of microbial communities and epigenetic regulations for adaptation	\$116,667	Principal Investigator (PI): Reitzel, Adam	Biological Sciences	Sponsor: Human Frontier Science Program (HFSP)
City of Charlotte Chamber of Commerce MPA Public Service Fellowship	\$9,655	Principal Investigator (PI): Barth, Thomas	Political Science and Public Administration	Sponsor: City of Charlotte Chamber of Commerce
Comprehensive and Prospective Evaluations of Patients with Journey II BCS in Gait Biomechanics, Proprioception, Balance and Functional Capacities	\$149,800	Principal Investigator (PI): Zheng, Naiquan	Mechanical Engineering and Engineering Science	Sponsor: Smith and Nephew, Inc
Disability Bias in Selection: A Test of Interventions	\$7,092	Principal Investigator (PI): McGonagle, Alyssa Co-PI: Ruggs, Enrica	Psychological Science	Sponsor: The SIOP Foundation
Evaluation of Existing and Feasibility Study of New Computational Approaches for Integrating Metabolomics Data with Other Types of -omics Data	\$25,000	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)

Award Title	Amount	Investigators	PI Dept.	Sponsors
Evaluation of nanochemistry to confer a targeting modality onto standard leukemia drugs	\$100,000	Principal Investigator (PI): Egusa, Shunji	Physics and Optical Science	Sponsor: Pharmaceutical Research and Manufacturers of America Foundation (PhRMA)
Evaluation of ourBRIDGE for KIDS Led by UNCC-COED	\$32,100	Principal Investigator (PI): Kolano, Lan Co-PI: Wang, Chuang	Middle, Secondary and K-12 Education	Sponsor: ourBRIDGE for KIDS Prime Sponsor: Foundation For The Carolinas (FFTC)
Evaluation of the Implementation of the K-3 Formative Assessments	\$198,035	Principal Investigator (PI): Lambert, Richard	Educational Leadership	Sponsor: North Carolina Department of Public Instruction (NCDPI)
Extended Development, Verification, and Validation of a Blast Dynamics Simulator for Post-Blast Forensic Investigations	\$46,094	Principal Investigator (PI): Whelan, Matthew Co-PI: Weggel, David	Civil and Environmental Engineering	Sponsor: Department of Justice (DOJ) National Institute of Justice (NIJ)
Multi-layer Resilient Active Cyber Defense	\$360,541	Principal Investigator (PI): Al-Shaer, Ehab Co-PIs: Chu, Bei-Tseng; Wei, Jinpeng;	Software and Information Systems	Sponsor: Department of Defense (DOD) Department of the Army (DA) Army Research Office (ARO)
National Technical Assistance Center on Increasing Graduation and Improving Transition to Postsecondary Education and Careers for students with Disabilities	\$2,100,000	Principal Investigator (PI): Test, David Co-PI: Fowler, Catherine	Special Education and Child Development	Sponsor: US Department of Education (DOED)
Numerical Simulations of Turbulent Mixing due to the Richtmyer-Meshkov Instability	\$15,000	Principal Investigator (PI): Ramaprabhu, Praveen	Mechanical Engineering and Engineering Science	Sponsor: Los Alamos National Laboratory (LANL) Prime Sponsor: Department of Energy (DOE)
Optical Characterization of Trehalose Glass Samples Processed Using Light-Assisted Drying	\$5,000	Principal Investigator (PI): Trammell, Susan	Physics and Optical Science	Sponsor: Harris Corporation
Premier Data Analysis Services	\$83,050	Principal Investigator (PI): Blanchette, Christopher Co-PIs: Noone, Joshua; Howden, Reuben;	Deans Office College of Health and Human Services	Sponsor: Grifols, Inc.

Award Title	Amount	Investigators	PI Dept.	Sponsors
Public Service Fellowship Arts and Science Council	\$45,750	Principal Investigator (PI): Barth, Thomas	Political Science and Public Administration	Sponsor: City of Charlotte Arts and Science Council
SBA Federal SBTDC Budget for the 2018 Program Year	\$308,696	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)
The Child Character in Southern Literature and Film	\$20,000	Principal Investigator (PI): West, Mark Co-PIs: Eckard, Paula; Minslow, Sarah;	English	Sponsor: North Carolina Humanities Council
The Impact of The Relatives Housing Programs (Phase I)	\$6,000	Principal Investigator (PI): Lane, Justin Co-PI: Gavarkavich, Diane	Urban Institute	Sponsor: The Relatives
The Kentucky Justice Studies	\$5,000	Principal Investigator (PI): Schmidt, Winsor	Public Health Sciences	Sponsor: Virginia Polytechnic Institute and State University (Virginia Tech) Prime Sponsor: University of Kentucky (UK)
Y Readers: Program Evaluation	\$14,000	Principal Investigator (PI): Gaines, Angelique Co-PI: Gavarkavich, Diane	Urban Institute	Sponsor: YMCA of Greater Charlotte