

February 27, 2017

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

Total amount awarded for the month of January was \$2,318,635

Fiscal Year To Date Total: \$30,294,965

Award Title	Amount	Investigators	PI Dept.	Sponsors
2016-17 Charlotte-Mecklenburg Annual Survey: 1000 Feathers	\$10,150	Principal Investigator (PI): Gavarkavich, Diane Co-PI: Swiderski, Thomas	Urban Institute	Sponsor: 1000 Feathers
2016-17 Charlotte-Mecklenburg Annual Survey: Library	\$1,000	Principal Investigator (PI): Gavarkavich, Diane	Urban Institute	Sponsor: Charlotte-Mecklenburg County Public Library
2016-17 Charlotte-Mecklenburg Annual Survey: YMCA	\$3,550	Principal Investigator (PI): Gavarkavich, Diane	Urban Institute	Sponsor: YMCA of Charlotte
Basic Ordering Agreement: Securing American Manufacturing (SAM)	\$210,000	Principal Investigator (PI): Browne, Aidan Co-PIs: Watson, Stacey; Williams, Wesley	Engineering Technology and Construction Management	Sponsor: Consolidated Nuclear Security , LLC (CNS) Prime Sponsor: Department of Energy (DOE)
Center for Gastrointestinal Biology and Disease	\$20,887	Principal Investigator (PI): Fodor, Anthony	Bioinformatics and Genomics	Sponsor: University of North Carolina at Chapel Hill (UNC-CH) Prime Sponsor: National Institutes of Health (NIH)
Center on Secondary Education for Students with Autism Spectrum Disorders	\$50,000	Principal Investigator (PI): Browder-Boswell, Diane	Special Education and Child Development	Sponsor: University of North Carolina at Chapel Hill (UNC-CH) FPG Child Development Institute Prime Sponsor: Department of Education (DOED)
Collaborative Research: Biomineralization processes and their environmental modulation in marine bivalves	\$127,767	Principal Investigator (PI): Ivanina, Anna Co-PIs: Reitzel, Adam; Sokolova, Inna	Biological Sciences	Sponsor: National Science Foundation (NSF)

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Collaborative Research: COSEE Florida: Water as Habitat	\$174,648	Principal Investigator (PI): Tankersley, Richard	Deans Office College of Liberal Arts and Sciences	Sponsor: National Science Foundation (NSF)
Community Engagement Scholarship for FNP Students	\$5,000	Principal Investigator (PI): Langford, David	School of Nursing	Sponsor: CVS Health Foundation
Designing and Validating Comprehensive Technology-Mediated Advising via iPASS: A Proposal for Three Randomized Controlled Trials (RCTs) and related implementation research	\$120,000	Principal Investigator (PI): Smail, John	University College	Sponsor: Columbia University Teachers College Prime Sponsor: Bill and Melinda Gates Foundation
Domain-specific Power-efficient Processing for Expeditionary Cyber Missions	\$114,991	Principal Investigator (PI): Tabkhivayghan, Hamed	Electrical and Computer Engineering	Sponsor: Northeastern University Prime Sponsor: Department of Defense (DOD) Department of the Navy (DN) Office of Naval Research (ONR)
Efficiently Reliable and Privacy Preserving Cloud Data Storage	\$143,110	Principal Investigator (PI): Wang, Yongge	Software and Information Systems	Sponsor: Qatar Foundation
Emergency SMS Interaction	\$35,864	Principal Investigator (PI): Shehab, Mohamed	Software and Information Systems	Sponsor: Carolinas HealthCare System
Evaluating TARGET Trauma-Informed Juvenile Program in Community Corrections	\$493,488	Principal Investigator (PI): Reid, Shannon Co-PIs: Hartman, Jennifer; Listwan, Shelley	Criminal Justice and Criminology	Sponsor: Department of Justice (DOJ) Office of Juvenile Justice and Delinquency Prevention (OJJDP)
Filling the 'Ethics Gap' in Citizen Science Research	\$27,467	Principal Investigator (PI): Rasmussen, Lisa	Philosophy	Sponsor: National Science Foundation (NSF)
Fundamental Study of Defect Reduction in Type-II Superlattice Materials	\$20,000	Principal Investigator (PI): Zhang, Yong Co-PIs: Wang, Jianwei	Electrical and Computer Engineering	Sponsor: University of Illinois Prime Sponsor: Department of Defense (DOD) Department of the Army (DA) Army Research Office (ARO)
I-Corps: Materials and methods for enhanced natural organic matter (NOM) and contaminant removal for water purification	\$50,000	Principal Investigator (PI): Poler, Jordan	Chemistry	Sponsor: National Science Foundation (NSF)

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Industrial membership fees for the NSF IUCRC Award - SIBS Industry Funds	\$100,000	Principal Investigator (PI): Cox, Robert	Electrical and Computer Engineering	Sponsor: All Other Business and Industry
Laboratory Testing of Braced Post (Composite) Insulators to Determine 3D Load-Carrying Capacities.	\$49,000	Principal Investigator (PI): Young, David	Civil and Environmental Engineering	Sponsor: Electric Power Research Institute (EPRI)
Multiple-Institution Database For Investigating Engineering Longitudinal Development (MIDFIELD)	\$10,000	Principal Investigator (PI): Tolley, Patricia	Engineering Technology and Construction Management	Sponsor: Purdue University Prime Sponsor: National Science Foundation (NSF)
NCAC Fellowship	\$10,000	Principal Investigator (PI): Schmidt, Thomas	Art and Art History	Sponsor: North Carolina Arts Council
Performance-Contract Engineering: Exploration of the Concurrent Design of Contract Terms and Systems	\$25,000	Principal Investigator (PI): Goudarzi, Navid	Engineering Technology and Construction Management	Sponsor: University of Maryland at College Park Prime Sponsor: National Science Foundation (NSF)
Preserving Memory in the Digital Age: Charlotte-Eastern Europe Cemetery Experience	\$7,500	Principal Investigator (PI): Shapiro, Aaron	History	Sponsor: Jewish Federation of Greater Charlotte
SBIR: Diffuse Optical Boundary Transmission Enhanced IR Components.	\$35,000	Principal Investigator (PI): Poutous, Menelaos	Physics and Optical Science	Sponsor: Nanohmics, Inc. Prime Sponsor: Department of Defense (DOD)
Story-Call: E-mobile Support for Community Caregivers of Veterans with Dementia	\$26,744	Principal Investigator (PI): Davis, Boyd Co-PIs: Shenk, Dena; Shehab, Mohamed	English	Sponsor: Ralph H. Johnson Veterans Affairs Medical Center
Student Research Grant: CS-2085 Optimization of the Thermal Energy Storage System	\$4,000	Principal Investigator (PI): Young, David	Civil and Environmental Engineering	Sponsor: American Public Power Association (APPA)
Student Research Grant: CS-2086 Controlled Growth and Property Study of Two-dimensional Molybdenum Oxide Nanostructures	\$4,000	Principal Investigator (PI): Young, David	Civil and Environmental Engineering	Sponsor: American Public Power Association (APPA)

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Surface topography measurement in x-ray computed tomography	\$63,965	Principal Investigator (PI): Smith, Stuart	Mechanical Engineering and Engineering Science	Sponsor: Department of Energy (DOE) Lawrence Livermore National Laboratory (LLNL) Prime Sponsor: Department of Energy (DOE)
Technology Transfer of Concrete Pavement Technologies - Year Four & Five	\$22,500	Principal Investigator (PI): Cavalline, Tara	Engineering Technology and Construction Management	Sponsor: Snyder & Associates Prime Sponsor: Federal Highway Administration (FHWA)
The LearTek Diesel Engine Waste Energy Recover (DEWER) Project	\$200,000	Principal Investigator (PI): Bari, Saiful	Mechanical Engineering and Engineering Science	Sponsor: LearTek Pty Ltd
Translating Evidence to Support Transitions: Improving Outcomes of Youth in Transition with Psychiatric Disabilities by Use and Adoption of Best Practice Transition Planning	\$4,995	Principal Investigator (PI): Test, David	Special Education and Child Development	Sponsor: University of Massachusetts Medical School Prime Sponsor: Department of Health and Human Services (DHHS)
UNC Charlotte Planning Grant: I/UCRC for Center for Risk Analytics Site	\$15,000	Principal Investigator (PI): Hadzikadic, Mirsad Co-PIs: Hertel, Joshua; Armstrong, Mark; Schlueter, Shannon;	Software and Information Systems	Sponsor: National Science Foundation (NSF)
Visual Analytics on the spread of Pathogens	\$75,721	Principal Investigator (PI): Janies, Daniel	Bioinformatics and Genomics	Sponsor: Ohio State University College of Medicine Prime Sponsor: Department of Defense (DOD) Defense Threat Reduction Agency (DTRA)
Vocabulary CHAOS: Creating Habits that Accelerate Academic language Of Students	\$57,288	Principal Investigator (PI): Beach, Kristen	Special Education and Child Development	Sponsor: University of California at Riverside (UCR) Prime Sponsor: Department of Education (DOED) Institute of Education Sciences (IES)