

January 26, 2018

The Office of Research and Economic Development is pleased to announce awards received by UNC Charlotte Researchers in the month of November, 2018.

Total amount awarded for the month of November was \$2,213,030

Fiscal Year To Date Total: \$20,067,792

Award Title	Amount	Investigators	PI Dept.	Sponsors
2017-2018 UNC Charlotte Collegiate Recovery Community Project	\$115,514	Principal Investigator (PI): Dooley, Beau	Center for Wellness Promotion	Sponsor: University of North Carolina General Administration (UNC GA) Prime Sponsor: North Carolina Department of Health and Human Services (NCDHHS) Division of Mental Health, Developmental Disabilities and Substance Abuse Services (MHDDSAS)
Atmospheric corrosion map for Ontario, Canada	\$3,364	Principal Investigator (PI): Tang, Wenwu	Geography and Earth Sciences	Sponsor: Electric Power Research Institute (EPRI)
Basic Ordering Agreement: Securing American Manufacturing (SAM)	\$202,542	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)
Charlotte Teacher Early College (CTEC)	\$546,244	Principal Investigator (PI): Putman, Stephan	Reading and Elementary Education	Sponsor: Charlotte Mecklenburg Schools
Charlotte Teachers Institute: Critical Thinking and the Process of Discovery: How Studying the Art and Chemistry of Light Can Foster a Deeper Understanding of Self and the Environment	\$20,000	Principal Investigator (PI): Gartlan, Scott Co-PIs: Jones, Marcus; Mara, Roberta	Deans Office College of Liberal Arts and Sciences	Sponsor: North Carolina Humanities Council
Coal Combustion Residuals in Groundwater - Considerations for Monitored Natural Attenuation	\$39,905	Principal Investigator (PI): Langley, William	Civil and Environmental Engineering	Sponsor: SynTerra Corporation

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Concurrent utilization of methane precursors: Implications for biogenic coalbed methane	\$110,000	Principal Investigator (PI): Vinson, David	Geography and Earth Sciences	Sponsor: American Chemical Society (ACS) Petroleum Research Fund
Deception Detection, Tracking and Factuality Assessment in Social and News Media	\$40,000	Principal Investigator (PI): Dou, Wenwen	Computer Science	Sponsor: DOE Pacific Northwest National Laboratory (PNNL)
Dissemination and implementation of a virtual care model for Parkinson disease and other chronic conditions.	\$25,001	Principal Investigator (PI): Dulin, Michael	Deans Office College of Health and Human Services	Sponsor: University of Rochester Prime Sponsor: Patient-Centered Outcomes Research Institute (PCORI)
Evaluating the effect of solid waste disposal of pharmaceuticals on water resources and defining ways to minimize it	\$79,476	Principal Investigator (PI): Keen, Olya	Civil and Environmental Engineering	Sponsor: USDA Rural Utilities Service (RUS)
Fabrication of large space-qualified reflective freeform optics for imaging systems	\$1,500	Principal Investigator (PI): Davies, Matthew	Mechanical Engineering and Engineering Science	Sponsor: University of Rochester Prime Sponsor: Department of Defense (DOD) Department of the Air Force (DAF) Air Force Research Laboratory (AFRL)
Flame Propagation on Decks and Characterization of Embers Generated from Burning Structural and Vegetative Fuels	\$12,000	Principal Investigator (PI): Zhou, Aixi	Engineering Technology and Construction Management	Sponsor: Insurance Institute for Business and Home Safety
Foster Volunteer Engagement and Retention	\$191,730	Principal Investigator (PI): Rogelberg, Steven	Psychological Science	Sponsor: Maddies Fund
Freeform Replication on a Toroidal Substrate	\$500	Principal Investigator (PI): Davies, Matthew Co-PIs: Owen, Joseph; Suleski, Thomas	Mechanical Engineering and Engineering Science	Sponsor: University of Rochester Prime Sponsor: All Other Business and Industry
Fundamentals of material removal in silicon carbide for freeform optics	\$500	Principal Investigator (PI): Davies, Matthew Co-PIs: Evans, Christopher; Owen, Joseph	Mechanical Engineering and Engineering Science	Sponsor: University of Rochester Prime Sponsor: All Other Business and Industry

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Healthy Wells	\$64,183	Principal Investigator (PI): Silverman, Gary Co-PIs: Delmelle, Eric; Tang, Wenwu	Public Health Sciences	Sponsor: Gaston County Health Department Prime Sponsor: Centers for Disease Control and Prevention (CDC)
How State Regulators are Attributing Costs and Benefits to Distributed Generation: A Comparative Analysis	\$38,903	Principal Investigator (PI): Chowdhury, Badrul	Electrical and Computer Engineering	Sponsor: Clemson University Prime Sponsor: Duke Energy Corporation
Japanese Teaching Materials Purchase Grant	\$800	Principal Investigator (PI): Yokono, Yukiko Co-PI: Kato, Fumie	Languages and Culture Studies	Sponsor: Japan Foundation
Microbiome-mediated weight, anxiety, and stress dysregulation in anorexia nervosa.	\$85,359	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)
Project Early Childhood Special Education Leaders (ECSEL)	\$250,000	Principal Investigator (PI): Baughan, Cynthia Co-PIs: Smith, JaneDiane; Shue, Pamela; Algozzine, Robert; Lamorey, Suzanne	Special Education and Child Development	Sponsor: US Department of Education (DOED)
Risk Factors for Microscopic Colitis	\$39,830	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)
SBIR: Therapeutic effect of bispecific antibody-redirected T cells against human metastatic triple negative breast cancer	\$67,500	Principal Investigator (PI): Mukherjee, Pinku	Biological Sciences	Sponsor: Dualogics, LLC Prime Sponsor: National Institutes of Health (NIH)
Sexual Assault Prevention for Men in the Military	\$60,593	Principal Investigator (PI): Kazemi, Donna	School of Nursing	Sponsor: Rhode Island Hospital Prime Sponsor:

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				Department of Defense (DOD) Department of the Army (DA) Congressionally Directed Medical Research Programs
Technical Assistance to the North Carolina Department of Public Instruction in the Implementation of the Transportation Information Management System (TIMS) 2017-18	\$217,586	Principal Investigator (PI): Pressley, JoAnne Co-PI: York, Phillip	Urban Institute	Sponsor: North Carolina Department of Public Instruction (NCDPI)