

June 5, 2018

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

Total amount awarded for the month of April was \$4,940,022

Fiscal Year To Date Total: \$38,890,341

Award Title	Amount	Investigators	PI Dept.	Sponsors
A Spatial Decision Support System for Soil Corrosivity Mapping	\$45,502	Principal Investigator (PI): Tang, Wenwu	Geography and Earth Sciences	Sponsor: Electric Power Research Institute (EPRI)
African Diaspora Collective Action: Rituals, Runaways, and the Haitian Revolution	\$1,000	Principal Investigator (PI): Eddins, Crystal	Africana Studies	Sponsor: University of Florida Center for Latin American Studies
Area Acoustic and Electromagnetic Emissions Monitoring - Phase 2	\$55,908	Principal Investigator (PI): Browne, Aidan	Engineering Technology and Construction Management	Sponsor: Electric Power Research Institute (EPRI)
Calcium: magnesium balance, microbiota, and necroptosis and inflammation	\$120,951	Principal Investigator (PI): Fodor, Anthony Co-PIs: Winglee, Kathryn; Sun, Shan	Bioinformatics Research Center	Sponsor: Vanderbilt University Medical Center Prime Sponsor: National Institutes of Health (NIH)
Career Enhancement Fellowships for Junior Faculty	\$15,750	Principal Investigator (PI): Pitts, Andrea	Philosophy	Sponsor: Woodrow Wilson National Fellowship Foundation
Changed Choices: Best Practices and Recommended Strategies	\$5,000	Principal Investigator (PI): Gavarkavich, Diane	Urban Institute	Sponsor: Changed Choices
Charlotte Speech and Hearing Center (CSHC) - Evaluation of Summer Language Programming	\$16,000	Principal Investigator (PI): Gavarkavich, Diane	Urban Institute	Sponsor: Charlotte Speech and Hearing Center
Collaborative Research: Landscape evolution in the McMurdo Dry Valleys: Erosion rates and real-time monitoring of rock breakdown in a hyperarid, subzero environment	\$148,900	Principal Investigator (PI): Eppes, Martha	Geography and Earth Sciences	Sponsor: National Science Foundation (NSF)
Development and Operation of the Web GIS-enabled Data Management System for the Santee Experimental Forest	\$16,896	Principal Investigator (PI): Tang, Wenwu	Geography and Earth Sciences	Sponsor: United States Department of Agriculture (USDA) Forest Service Southern Research Station

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EPIC Affiliates Industry Memberships for seed funded projects.	\$160,000	Principal Investigator (PI): Kopitopoulou, Christina	Energy Production and Infrastructure Center	Sponsor: Energy Production and Infrastructure Center (EPIC) Affiliates Industry Members
Industrial membership fees for the UNC Charlotte Site of I/UCRC Robots and Sensors for the Human Well-being	\$70,000	Principal Investigator (PI): Xiao, Jing	Computer Science	Sponsor: All Other Business and Industry
Investigation of the Interaction of Multiple Infrared Filters with Long Wavelength Infrared Spectra of Explosives and Interferents	\$150,000	Principal Investigator (PI): Aggarwal, Ishwar Co-PIs: Wilson, Christopher; Poutous, Menelaos; Hutchens, Thomas	Physics and Optical Science	Sponsor: Department of Defense (DOD) Department of the Navy (DN) Office of Naval Research (ONR)
La Compañía de Terrenos y Aguas de la Baja California, S. A.: An Environmental Enterprise Shaping the Lower Colorado River Region, 1900-1962	\$3,500	Principal Investigator (PI): Andres, Benny	History	Sponsor: Huntington Library
Mineta National Transportation Research Consortium (MNTRC)	\$149,994	Principal Investigator (PI): Pulugurtha, Srinivas Co-PI: Duddu, Venkata Ramana	Civil and Environmental Engineering	Sponsor: San Jose State University Prime Sponsor: US Department of Transportation (DOT)
National Technical Assistance Center on Increasing Graduation and Improving Transition to Postsecondary Education and Careers for students with Disabilities	\$825,583	Principal Investigator (PI): Test, David Co-PI: Fowler, Catherine	Special Education and Child Development	Sponsor: US Department of Education (DOED)
North Mecklenburg Demographic & Housing Assessment	\$41,000	Principal Investigator (PI): Simmons, Laura Co-PI: Zager, Kathryn	Urban Institute	Sponsor: Lake Norman Regional Economic Development Corporation
NSLI-Y In Shanghai	\$255,595	Principal Investigator (PI): Gorke, Yongling	Languages and Culture Studies	Sponsor: American Councils for International Education (ACIE) Prime Sponsor: US Department of State (DOS)

Award Title	Amount	Investigators	PI Dept.	Sponsors
Optical Measurement and Evaluation of Involute External Cylindrical Gears Using a Nikon HN-type Instrument	\$310,041	Principal Investigator (PI): Goch, Friedrich	Energy Production and Infrastructure Center	Sponsor: Nikon Corporation
Selected Short Fiction by H.D.	\$4,000	Principal Investigator (PI): Vetter, Lara	English	Sponsor: Yale University Beinecke Rare Book and Manuscript Library
Self-Administered Treatment for the Management of Hot Flashes in Women: A Randomized Clinical Trial	\$24,933	Principal Investigator (PI): Lorenz, Tierney	Psychology	Sponsor: Baylor University Prime Sponsor: National Institutes of Health (NIH)
Stable Isotope Analysis of Prehistoric Deer Feasting on Cyprus	\$2,500	Principal Investigator (PI): Fall, Patricia	Geography and Earth Sciences	Sponsor: American Schools of Oriental Research (ASOR)
STEM Persistence and Retention via Curricula, Centralization, Cohorts - and Collaboration (SPARC4): Establishment of the Charlotte S-STEM Consortium	\$2,234,121	Principal Investigator (PI): Stearns, Mary Co-PIs: Fernandes, Anthony; Brown, Banita; Asala, Kathryn; Schneider, Stanley	Sociology	Sponsor: National Science Foundation (NSF)
STTR: Development of robust mid-infrared optical fibers for extreme environments	\$224,951	Principal Investigator (PI): Hofmann, Tino	Physics and Optical Science	Sponsor: IRflex Corporation Prime Sponsor: Department of Defense (DOD) Department of the Air Force (DAF) Air Force Office of Scientific Research (AFOSR)
The Draft Early Childhood Teacher Salary Scale: Feedback from the Field	\$54,897	Principal Investigator (PI): Lambert, Richard	Educational Leadership	Sponsor: North Carolina Department of Health and Human Services (NCDHHS)
Trans Philosophy Project	\$3,000	Principal Investigator (PI): Pitts, Andrea	Philosophy	Sponsor: Wiley-Blackwell