

March 18, 2016

The Office of Research and Economic Development is pleased to announce awards received by UNC Charlotte Researchers in the month of February, 2016.

Total amount awarded for the month of February was \$1,077,737

Fiscal Year To Date Total: \$27,075,296

Award Title	Amount	Investigators	PI Dept.	Sponsors
2016 Cultural Life Survey-ASC	\$21,000	Principal Investigator (PI): Gavarkavich, Diane	Urban Institute	Sponsor: Arts and Sciences Council
2016 NC Junior Science and Humanities Symposium Competition	\$21,000	Principal Investigator (PI): Wickliff, Alisa Co-PI: Pugalee, David	Center for STEM Education	Sponsor: Academy of Applied Sciences Prime Sponsor: Army Research Laboratory (ARL)
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)
Charge Transfer and Storage Mechanisms in Earth Abundant Supercapacitor Composites.	\$19,940	Principal Investigator (PI): Poler, Jordan	Chemistry	Sponsor: Fulbright Scholar Program
Chronically Homeless Registry Reports Proposal 2016	\$2,012	Principal Investigator (PI): Clark, Ashley	Urban Institute	Sponsor: Urban Ministry Center
Collaborative Research: Biomineralization processes and their environmental modulation in marine bivalves	\$121,522	Principal Investigator (PI): Sokolova, Inna Co-PI: Ivanina, Anna	Biological Sciences	Sponsor: National Science Foundation (NSF)
Confidential	\$4,610	Principal Investigator (PI): Tempest, Brett	Civil and Environmental Engineering	Sponsor: Confidential Prime Sponsor: Confidential
Fulbright Scholar Teaching/Research Fellowship, Regent's University, London	\$47,251	Principal Investigator (PI): Johnson, David	History	Sponsor: Fulbright Scholar Program

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GOALI: Exploiting Period-n Bifurcations to Reduce Milling Cost	\$265,890	Principal Investigator (PI): Schmitz, Tony	Mechanical Engineering and Engineering Science	Sponsor: National Science Foundation (NSF)
I-Corps Team: Mined Semantic Analysis Commercialization Research	\$50,000	Principal Investigator (PI): Zadrozny, Wlodek	Computer Science	Sponsor: National Science Foundation (NSF)
Impact of microbiota-mediated biotransformation of black tea polyphenols on GI health	\$42,956	Principal Investigator (PI): Fodor, Anthony Co-PI: Gharaibeh, Raad	Bioinformatics and Genomics	Sponsor: University of Florida Prime Sponsor: National Institutes of Health (NIH)
Integrating Biomechanics and Cell Biology to Understand TMJ Pathology	\$25,045	Principal Investigator (PI): Zheng, Naiquan	Mechanical Engineering and Engineering Science	Sponsor: Clemson University Prime Sponsor: National Institutes of Health (NIH)
Live, Work, and Play Preferences of Millennials in Charlotte, February 2016	\$10,125	Principal Investigator (PI): Gavarkavich, Diane	Urban Institute	Sponsor: Urban Land Institute
Magnet Schools of America Proposal of Work January 2016	\$25,000	Principal Investigator (PI): Gavarkavich, Diane Co-PIs: Hawn Nelson, Amy; Szczepaniak, Zachary	Urban Institute	Sponsor: Magnet Schools of America
Materials Characterization Laboratory Services - Master Agreement with BSN Medical, Inc.	\$396	Principal Investigator (PI): Weaver, Katherine	Mechanical Engineering and Engineering Science	Sponsor: BSN Medical
Materials Characterization Laboratory Services - Master Agreement with Performance Products, Inc.	\$1,100	Principal Investigator (PI): Weaver, Katherine	Mechanical Engineering and Engineering Science	Sponsor: PBI Performance Products, Inc.
Micro-Chisel Development for Retro-Reflector Micro-Structures	\$58,067	Principal Investigator (PI): Owen, Joseph Co-PI: Davies, Matthew	Mechanical Engineering and Engineering Science	Sponsor: ORAFOL

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Nuevolution Evaluation	\$33,000	Principal Investigator (PI): Harden, Susan Co-PI: Smith, Heather	Middle, Secondary and K-12 Education	Sponsor: Levine Museum of the New South
Numerical Methods for Studying Optical Absorption of Random Media and Quantum Dots for Solar Cell Designs	\$50,000	Principal Investigator (PI): Cai, Wei	Mathematics and Statistics	Sponsor: Department of Defense (DOD) Department of the Army (DA) Army Research Office (ARO)
Petrographic Examination and Laboratory Testing of Concrete Airfield Pavements Hartsfield-Jackson Atlanta International Airport	\$17,314	Principal Investigator (PI): Cavalline, Tara	Engineering Technology and Construction Management	Sponsor: Aviation Infrastructure Solutions
Petrographic Examination of Concrete Pavement from I-85	\$6,936	Principal Investigator (PI): Cavalline, Tara	Engineering Technology and Construction Management	Sponsor: North Carolina Department of Transportation (NCDOT)
Predictive Cancer Diagnostics and Therapy Response	\$100,237	Principal Investigator (PI): Mukherjee, Pinku	Biological Sciences	Sponsor: Massachusetts General Hospital Prime Sponsor: National Institutes of Health (NIH) National Cancer Institute (NCI)
Pulitzer NC: The Power of Words 2016	\$5,500	Principal Investigator (PI): Gavarkavich, Diane	Urban Institute	Sponsor: North Carolina Humanities Council
Receptance Coupling Substructure Analysis for Machine Tool Dynamics Modeling	\$33,655	Principal Investigator (PI): Schmitz, Tony	Mechanical Engineering and Engineering Science	Sponsor: Korea Institute of Machinery and Materials (KIMM)
Risk Factors for Microscopic Colitis	\$44,999	Principal Investigator (PI): Fodor, Anthony Co-PI: Winglee, Kathryn	Bioinformatics and Genomics	Sponsor: University of North Carolina at Chapel Hill (UNC-CH) Prime Sponsor: National Institutes of Health (NIH)

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Technology Transfer of Concrete Pavement Technologies - Year Four & Five	\$21,295	Principal Investigator (PI): Cavalline, Tara	Engineering Technology and Construction Management	Sponsor: Snyder & Associates Prime Sponsor: Federal Highway Administration (FHWA)
Translating Evidence to Support Transitions: Improving Outcomes of Youth in Transition with Psychiatric Disabilities by Use and Adoption of Best Practice Transition Planning	\$8,000	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)
Women's Impact Fund Impact Study, January 2016	\$20,000	Principal Investigator (PI): Gavarkavich, Diane Co-PI: Simmons, Laura	Urban Institute	Sponsor: The Women's Impact Fund