

January 27, 2017

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 \$3,906,051*

*Fiscal Year To Date Total: \$27,976,330*

<b>Award Title</b>	<b>Amount</b>	<b>Investigators</b>	<b>PI Dept.</b>	<b>Sponsors</b>
<b>2016-17 Charlotte-Mecklenburg Annual Survey: NC Air</b>	\$9,400	<b>Principal Investigator (PI):</b> Gavarkavich, Diane	Urban Institute	<b>Sponsor:</b> NC Air Awareness
<b>2016-2017 Governor's Institute on Substance Abuse Scholarships</b>	\$10,000	<b>Principal Investigator (PI):</b> Lassiter, Pamela	Counseling	<b>Sponsor:</b> Governors Institute on Alcohol and Substance Abuse <b>Prime Sponsor:</b> North Carolina Department of Health and Human Services (NCDHHS) Division of Mental Health, Developmental Disabilities and Substance Abuse Services (MHDDSAS)
<b>2016-2017 NCSIP IHE Partnership</b>	\$10,000	<b>Principal Investigator (PI):</b> Beach, Kristen	Special Education and Child Development	<b>Sponsor:</b> North Carolina State Board of Education <b>Prime Sponsor:</b> US Department of Education (DOED)
<b>2017 NC Junior Science and Humanities Symposium Competition</b>	\$21,000	<b>Principal Investigator (PI):</b> Wickliff, Alisa <b>Co-PI:</b> Pugalee, David	Center for STEM Education	<b>Sponsor:</b> Academy of Applied Sciences <b>Prime Sponsor:</b> Army Research Laboratory (ARL)
<b>8th Annual NASA Robotic Mining Competition - Team Competition Grant</b>	\$8,000	<b>Principal Investigator (PI):</b> Browne, Aidan	Engineering Technology and Construction Management	<b>Sponsor:</b> North Carolina Space Grant Consortium (NC Space Grant) <b>Prime Sponsor:</b> National Aeronautics and Space Administration (NASA)
<b>Charting the Civic Landscape</b>	\$30,000	<b>Principal Investigator (PI):</b> Gavarkavich, Diane	Urban Institute	<b>Sponsor:</b> Google

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<b>City of Charlotte Chamber of Commerce MPA Public Service Fellowship</b>	\$21,966	<b>Principal Investigator (PI):</b> Barth, Thomas	Political Science and Public Administration	<b>Sponsor:</b> City of Charlotte Chamber of Commerce
<b>Coalition Building on the West Boulevard Corridor</b>	\$10,000	<b>Principal Investigator (PI):</b> Sorensen, Janni	Geography and Earth Sciences	<b>Sponsor:</b> West Boulevard Neighborhood Coalition <b>Prime Sponsor:</b> Habitat for Humanity Charlotte
<b>Dangerous Intersections Study</b>	\$8,000	<b>Principal Investigator (PI):</b> Simmons, Laura <b>Co-PI:</b> Szczepaniak, Zachary	Urban Institute	<b>Sponsor:</b> AAA Foundation for Traffic Safety
<b>Duke Energy Seismic Stability Review</b>	\$55,000	<b>Principal Investigator (PI):</b> Pando, Miguel <b>Co-PI:</b> Hardin, Christopher	Civil and Environmental Engineering	<b>Sponsor:</b> Duke Energy Corporation
<b>Educational Outreach for Mathematics Standards</b>	\$27,251	<b>Principal Investigator (PI):</b> Stephan, Michelle	Middle, Secondary and K-12 Education	<b>Sponsor:</b> University of North Carolina at Greensboro (UNCG) <b>Prime Sponsor:</b> North Carolina Department of Public Instruction (NCDPI)
<b>Evaluation of the Implementation of the K-3 Formative Assessments</b>	\$276,840	<b>Principal Investigator (PI):</b> Lambert, Richard	Educational Leadership	<b>Sponsor:</b> North Carolina Department of Public Instruction (NCDPI)
<b>Fabrication of large space-qualified reflective freeform optics for imaging systems</b>	\$112,236	<b>Principal Investigator (PI):</b> Davies, Matthew <b>Co-PI:</b> Owen, Joseph	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> University of Rochester <b>Prime Sponsor:</b> Department of Defense (DOD) Department of the Air Force (DAF) Air Force Research Laboratory (AFRL)
<b>Forty Niner Rocketry SLI Competition</b>	\$8,000	<b>Principal Investigator (PI):</b> Thorsett-Hill, Karen <b>Co-PI:</b> Vermillion, Christopher	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> North Carolina Space Grant Consortium (NC Space Grant) <b>Prime Sponsor:</b> National Aeronautics and Space Administration (NASA)

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<b>Freeform Replication on a Toroidal Substrate</b>	\$41,318	<b>Principal Investigator (PI):</b> Davies, Matthew <b>Co-PIs:</b> Owen, Joseph; Suleski, Thomas	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> University of Rochester <b>Prime Sponsor:</b> All Other Business and Industry
<b>Fulbright FLTA Portuguese</b>	\$9,920	<b>Principal Investigator (PI):</b> Long, Sheri <b>Co-PI:</b> Buchenau, Jurgen	Languages and Culture Studies	<b>Sponsor:</b> Institute of International Education (IIE) <b>Prime Sponsor:</b> Institute of International Education (IIE)
<b>Fulbright FLTA Portuguese Language</b>	\$4,950	<b>Principal Investigator (PI):</b> Long, Sheri Spaine <b>Co-PI:</b> Buchenau, Jurgen	Languages and Culture Studies	<b>Sponsor:</b> Fulbright Scholar Program <b>Prime Sponsor:</b> Institute of International Education (IIE)
<b>Fundamentals of material removal in silicon carbide for freeform optics</b>	\$43,087	<b>Principal Investigator (PI):</b> Davies, Matthew <b>Co-PIs:</b> Evans, Christopher; Owen, Joseph	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> University of Rochester <b>Prime Sponsor:</b> All Other Business and Industry
<b>Materials Characterization Laboratory Services - Master Agreement with Momentive UV Coatings (Shanghai) Co., Ltd.</b>	\$368	<b>Principal Investigator (PI):</b> Weaver, Katherine	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> Momentive UV Coatings Shanghai Co., Ltd.
<b>Mecklenburg County Senior Citizen Health Risk Assessment Testing Outreach Program</b>	\$154,621	<b>Principal Investigator (PI):</b> Gordon, Scott <b>Co-PI:</b> Moore-Harrison, Trudy	Kinesiology	<b>Sponsor:</b> Sharon Towers Retirement Community
<b>Metamaterial smart shunt</b>	\$10,000	<b>Principal Investigator (PI):</b> Adams, Ryan	Electrical and Computer Engineering	<b>Sponsor:</b> Yale School of Medicine <b>Prime Sponsor:</b> Connecticut Innovations
<b>Metrology of large space-qualified reflective freeform optics for TMA systems</b>	\$123,805	<b>Principal Investigator (PI):</b> Evans, Christopher	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> University of Rochester <b>Prime Sponsor:</b> National Science Foundation (NSF)
<b>MSF Errors: Effects and Specifications for Freeform Optics</b>	\$50,636	<b>Principal Investigator (PI):</b> Suleski, Thomas	Physics and Optical Science	<b>Sponsor:</b> University of Rochester <b>Prime Sponsor:</b> National Science Foundation (NSF)

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<b>National Donor Day Symposium: Conversations of the Heart</b>	\$3,000	<b>Principal Investigator (PI):</b> Elliott, Gloria <b>Co-PI:</b> Carney, Melinda	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> North Carolina Biotechnology Center (NCBC)
<b>NC coaching, mentoring, performance evaluation and professional development for birth through kindergarten licensed teachers employed in nonpublic school classrooms</b>	\$325,000	<b>Principal Investigator (PI):</b> Lambert, Richard <b>Co-PI:</b> Vestal, Amanda	Educational Leadership	<b>Sponsor:</b> North Carolina Department of Health and Human Services (NCDHHS)
<b>Near-Zero Power Integrated Circuits</b>	\$69,648	<b>Principal Investigator (PI):</b> Holleman, Jeremy	Electrical and Computer Engineering	<b>Sponsor:</b> University of Tennessee at Knoxville (UTK) <b>Prime Sponsor:</b> Department of Defense (DOD) Defense Advanced Research Projects Agency (DARPA)
<b>Parkinson's Disease Analysis</b>	\$140,000	<b>Principal Investigator (PI):</b> Blanchette, Christopher <b>Co-PI:</b> Noone, Joshua	Public Health Sciences	<b>Sponsor:</b> Parexel International <b>Prime Sponsor:</b> Acadia Pharmaceuticals
<b>Predictive Cancer Diagnostics and Therapy Response</b>	\$100,237	<b>Principal Investigator (PI):</b> Mukherjee, Pinku	Biological Sciences	<b>Sponsor:</b> Massachusetts General Hospital <b>Prime Sponsor:</b> National Institutes of Health (NIH) National Cancer Institute (NCI)
<b>SBA Federal SBTDC Budget for the 2017 Program Year</b>	\$303,536	<b>Principal Investigator (PI):</b> McAllister, George	Small Business Technology Development Center (SBTDC)	<b>Sponsor:</b> North Carolina Small Business and Technology Development Center (NC SBTDC) <b>Prime Sponsor:</b> US Small Business Administration (SBA)
<b>Senior Design Electroluminescence Characterization (ELC) Project</b>	\$5,782	<b>Principal Investigator (PI):</b> BouSaba, Nabila	Electrical and Computer Engineering	<b>Sponsor:</b> North Carolina Space Grant Consortium (NC Space Grant) <b>Prime Sponsor:</b> National Aeronautics and Space Administration (NASA)

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<b>Sexual Assault Prevention for Men in the Military</b>	\$143,203	<b>Principal Investigator (PI):</b> Kazemi, Donna	School of Nursing	<b>Sponsor:</b> Rhode Island Hospital <b>Prime Sponsor:</b> Department of Defense (DOD) Department of the Army (DA) Congressionally Directed Medical Research Programs
<b>STTR: Chalcogenide Glass Mid-IR Optic Development, STTR Phase II Proposal, Proposal Number: F15A-T06-0320</b>	\$250,369	<b>Principal Investigator (PI):</b> Owen, Joseph <b>Co-PI:</b> Davies, Matthew	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> Rochester Precision Optics <b>Prime Sponsor:</b> Department of Defense (DOD) Department of the Air Force (DAF) Air Force Research Laboratory (AFRL)
<b>Support of the graduate student working on P2EP knowledgebase and continuity project.</b>	\$7,278	<b>Principal Investigator (PI):</b> Brouwer, Cory	Bioinformatics and Genomics	<b>Sponsor:</b> North Carolina State University (NCSU) <b>Prime Sponsor:</b> North Carolina State University (NCSU) NCSU Plant Pathways Elucidation Project Consortium (P2EP)
<b>System for Interior Structural Inspection of Power Generation Facilities</b>	\$4,000	<b>Principal Investigator (PI):</b> Browne, Aidan	Engineering Technology and Construction Management	<b>Sponsor:</b> North Carolina Space Grant Consortium (NC Space Grant) <b>Prime Sponsor:</b> National Aeronautics and Space Administration (NASA)
<b>The Mind-Body Connection in Early Modern France, 1600-1735: Metaphysics, Mysticism, Miracles, Medicine</b>	\$50,400	<b>Principal Investigator (PI):</b> Stedman, Allison	Languages and Culture Studies	<b>Sponsor:</b> National Endowment for the Humanities (NEH)
<b>Tier 1 (Improving Mobility) Advanced Multimodal Mobility Solutions and Education</b>	\$1,402,200	<b>Principal Investigator (PI):</b> Fan, Wei <b>Co-PIs:</b> Weggel, David; Kane, Martin; Pando, Miguel; Wang, Yu	Civil and Environmental Engineering	<b>Sponsor:</b> US Department of Transportation (DOT)

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<b>Understanding Turnover of Foster Caregivers: Exploring the Reasons and Potential Solutions</b>	\$55,000	<b>Principal Investigator (PI):</b> Rogelberg, Steven	Psychological Science	<b>Sponsor:</b> Maddies Fund