

December 19, 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 \$1,014,692

Fiscal Year To Date Total: \$26,351,826

<b>Award Title</b>	<b>Amount</b>	<b>Investigators</b>	<b>PI Dept.</b>	<b>Sponsors</b>
<b>3DDS: Study of Reactive Astrocytes-Derived Oxidative Stress and Microglial Neurodegenerative Inflammation in Alzheimer's Disease</b>	\$200,000	<b>Principal Investigator (PI):</b> Cho, Hansang	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> Cure Alzheimer's Fund
<b>Breast Cancer for Young Women</b>	\$50,050	<b>Principal Investigator (PI):</b> Matesich, Joseph	Deans Office College of Computing and Informatics	<b>Sponsor:</b> Carolinas HealthCare System
<b>Computational Model for Spacecraft/Habitat Volume</b>	\$20,000	<b>Principal Investigator (PI):</b> Hsiang, Simon <b>Co-PI:</b> Lim, Churlzu	Systems Engineering and Engineering Management	<b>Sponsor:</b> NASA Johnson Space Center
<b>Electrochemical Mineralization of Perfluorooctanoic Acid and Perfluorooctanesulfonic Acid</b>	\$5,000	<b>Principal Investigator (PI):</b> Sun, Mei	Civil and Environmental Engineering	<b>Sponsor:</b> NCSU Water Resources Research Institute (WRII) <b>Prime Sponsor:</b> United States Geological Survey (USGS)
<b>Focal Point Analysis for Trusting Machine Learning</b>	\$39,000	<b>Principal Investigator (PI):</b> Dou, Wenwen	Computer Science	<b>Sponsor:</b> DOE Pacific Northwest National Laboratory (PNNL)
<b>Healthy Rowan: Daily Mile Evaluation</b>	\$8,000	<b>Principal Investigator (PI):</b> Hochwalt, Bridget <b>Co-PI:</b> Gavarkavich, Diane	Urban Institute	<b>Sponsor:</b> Novant Health Foundation
<b>Loss of novel end joining factor with dysfunction of BRCA1 contributes to treatment resistance</b>	\$75,349	<b>Principal Investigator (PI):</b> Tomida, Junya	Biological Sciences	<b>Sponsor:</b> National Institutes of Health (NIH)

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<b>PANACEA: Personalized AutoNomous Agents Countering Social Engineering Attacks</b>	\$171,221	<b>Principal Investigator (PI):</b> Shaikh, Samira <b>Co-PI:</b> Al-Shaer, Ehab	Computer Science	<b>Sponsor:</b> SUNY Research Foundation <b>Prime Sponsor:</b> DOD Defense Advanced Research Projects Agency (DARPA)
<b>Readiness for Cross-Sector Partnerships to Improve Behavioral Health Integration</b>	\$25,000	<b>Principal Investigator (PI):</b> Scott, Victoria	Psychological Science	<b>Sponsor:</b> Finger Lakes Law and Social Policy Center, Inc. <b>Prime Sponsor:</b> Robert Wood Johnson Foundation (RWJF)
<b>SBIR: Phase II - Optical Boundary Characterization: Reflectivity and Scattering.</b>	\$120,000	<b>Principal Investigator (PI):</b> Poutous, Menelaos	Physics and Optical Science	<b>Sponsor:</b> Nanohmics, Inc. <b>Prime Sponsor:</b> Department of Defense (DOD)
<b>Technical Assistance to the North Carolina Department of Public Instruction in the Implementation of the Transportation Information Management System (TIMS) 2018-19</b>	\$193,751	<b>Principal Investigator (PI):</b> Pressley, JoAnne <b>Co-PI:</b> York, Phillip	Urban Institute	<b>Sponsor:</b> North Carolina Department of Public Instruction (NCDPI)
<b>The Mecklenburg Opioid System Response Plan</b>	\$107,321	<b>Principal Investigator (PI):</b> Hatcher, Schnavia <b>Co-PI:</b> Mennicke, Annelise	School of Social Work	<b>Sponsor:</b> Mecklenburg County Criminal Justice Services <b>Prime Sponsor:</b> US Department of Justice (DOJ)