

February 19, 2014

The Office of Research and Economic Development is pleased to announce awards received by UNC Charlotte Researchers in the month of January, 2014.

Total amount awarded for the month of January was \$2,709,009

Fiscal Year To Date Total: \$22,630,806

<b>Award Title</b>	<b>Amount</b>	<b>Investigators</b>	<b>Current PI Dept.</b>	<b>Sponsors</b>
<b>5th Annual NASA Robotic Mining Competition - Senior Design Grant</b>	\$2,000	<b>Current PI:</b> Williams, Wesley <b>Other Personnel:</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>5th Annual NASA Robotic Mining Competition - Team Grant</b>	\$5,000	<b>Current PI:</b> Williams, Wesley <b>Other Personnel:</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>A Study of the Effects of a Three-Tier Model of Interagency Collaboration on Transition Outcomes for Students with Disabilities</b>	\$675,688	<b>Current PI:</b> Test, David <b>Other Personnel:</b> Flowers, Claudia	Special Education and Child Development	<b>Sponsor:</b> Department of Education
<b>CAREER: Investigating Process- Structure-Property Correlations of Nitrides and Oxides for High Temperature Thermoelectric Applications</b>	\$400,000	<b>Current PI:</b> Lu, Na	Engineering Technology and Construction Management	<b>Sponsor:</b> National Science Foundation (NSF)
<b>CFD Study on the Behavior of NASCAR Sprint Cup Car in Traffic</b>	\$179,972	<b>Current PI:</b> Uddin, Mesbah	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> Dailmer Chrysler

<b>Collecting Statewide Post-school Follow-up Data for North Carolina Special Education Students</b>	\$99,999	<b>Current PI:</b> Test, David <b>Other Personnel:</b> Flowers, Claudia	Special Education and Child Development	<b>Sponsor:</b> North Carolina Department of Public Instruction (NCDPI)
<b>Community Action Plan to Address Childhood Obesity in Cabarrus County.</b>	\$76,000	<b>Current PI:</b> Saunders, William <b>Other Personnel:</b> Racine, Elizabeth; Queen, J.Allen; Herman-Smith, Robert	Public Health Sciences	<b>Sponsor:</b> Carolinas HealthCare System
<b>Decision support for dose prescription in radiation treatment planning</b>	\$272	<b>Current PI:</b> Ge, Yaorong	Software and Information Systems	<b>Sponsor:</b> NIH National Cancer Institute (NCI)
<b>Development of Vehicle Dynamics Tools for Racing Applications</b>	\$40,000	<b>Current PI:</b> Day, Kent	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> Richard Childress Racing (RCR)
<b>Fulbright Senior Specialist Award #5269, Molteno Institute for Language and Literacy South Africa</b>	\$12,528	<b>Current PI:</b> Salas, Spencer	Middle, Secondary and K-12 Education	<b>Sponsor:</b> Fulbright Scholar Program
<b>Fulbrigh Hays/English Language Specialist Grant to Oman December 2012</b>	\$7,252	<b>Current PI:</b> Salas, Spencer	Middle, Secondary and K-12 Education	<b>Sponsor:</b> Department of State (DOS)
<b>Fundamental Study of Defect Reduction in Type-II Superlattice Materials</b>	\$170,000	<b>Current PI:</b> Zhang, Yong	Electrical and Computer Engineering	<b>Sponsor:</b> University of Illinois <b>Prime Sponsor</b> Department of Defense (DOD)/Army/ Army Research Office
<b>Gear Up North Carolina</b>	\$9,216	<b>Current PI:</b> Raja, Shagufta <b>Other Personnel:</b> Pugalee, David	Center for STEM Education	<b>Sponsor:</b> University of North Carolina General Administration (UNC GA) <b>Prime Sponsor</b> US Department of Education (DOED)

<b>Implementing a Public Health Approach to Parenting Education</b>	\$10,044	<b>Current PI:</b> Herman-Smith, Robert	Social Work	<b>Sponsor:</b> Mecklenburg County Health Department <b>Prime Sponsor</b> NCDHHS Division of Public Health (DPH)
<b>Industrial membership fees for the new Site of IUCRC Safety, Security, and Rescue Research Center</b>	\$50,172	<b>Current PI:</b> Xiao, Jing	Computer Science	<b>Sponsor:</b> All Other Business and Industry
<b>Investigation of the Interaction of Multiple Optical Filters with Infrared Spectra of Explosives Bouquet Mixtures and Interferents</b>	\$200,000	<b>Current PI:</b> Aggarwal, Ishwar	Physics and Optical Science	<b>Sponsor:</b> Office of Naval Research (ONR)
<b>IUCRC for Metamaterials</b>	\$20,000	<b>Current PI:</b> Fiddy, Michael	Physics and Optical Science	<b>Sponsor:</b> National Science Foundation (NSF)
<b>Maternal Child and Adolescent Health Preservation of Services and Programs</b>	\$49,601	<b>Current PI:</b> Issel, Michele	Public Health Sciences	<b>Sponsor:</b> Robert Wood Johnson Foundation (RWJF)
<b>MUC1 regulation of TGF-beta function in pancreatic cancer cells</b>	\$66,825	<b>Current PI:</b> Mukherjee, Pinku	Biology	<b>Sponsor:</b> NIH National Cancer Institute (NCI)
<b>NASA Student Launch - Senior Design Project</b>	\$7,000	<b>Current PI:</b> Thorsett, Karen <b>Other Personnel:</b> Keanini, Russell	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)
<b>Polynomials and rational functions associated to discrete structures</b>	\$7,000	<b>Current PI:</b> Hetyei, Gabor	Mathematics and Statistics	<b>Sponsor:</b> Simons Foundation

<b>Rapid Prototyping and Printing of Tunable Metamaterials</b>	\$30,000	<b>Current PI:</b> Fiddy, Michael	Physics and Optical Science	<b>Sponsor:</b> CUNY Center for Metamaterials <b>Prime Sponsor</b> National Science Foundation (NSF)
<b>Role of Bacteria in Colitis-Associated Colon Cancer</b>	\$22,933	<b>Current PI:</b> Fodor, Anthony	Bioinformatics and Genomics	<b>Sponsor:</b> University of Florida <b>Prime Sponsor</b> NIH National Institute of Diabetes, Digestive, and Kidney Diseases (NIDDKD)
<b>School Health Alliance Practice Grant</b>	\$22,872	<b>Current PI:</b> Inman, Dianna	School of Nursing	<b>Sponsor:</b> Forsyth County School Health Alliance
<b>Searchable repository of resilience and sustainability technologies</b>	\$30,000	<b>Current PI:</b> Zadrozny, Wlodek	Computer Science	<b>Sponsor:</b> National Consortium for Data Science
<b>Senior Design Projects (the IEEE and Prostatic arms teams)</b>	\$2,000	<b>Current 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)
<b>SRA International - North Carolina Chapter Annual Meeting</b>	\$2,000	<b>Current PI:</b> Gross, Margo	Grants and Contracts Administration	<b>Sponsor:</b> North Carolina Biotechnology Center (NCBC)
<b>Sultanate of Oman Country-wide English Language Teacher Development</b>	\$9,000	<b>Current PI:</b> Salas, Spencer	Middle, Secondary and K-12 Education	<b>Sponsor:</b> Sultanate of Oman (an Arab state)
<b>Sustainable Transparency: Kinetic Building Facades</b>	\$27,000	<b>Current PI:</b> Kim, Kyoung-Hee	School of Architecture	<b>Sponsor:</b> American Institute of Architects (AIA)

<b>Targeted Imaging of Pancreatic and Breast Cancer Using an Antibody conjugated Nanoparticle</b>	\$11,500	<b>Current PI:</b> Vivero-Escoto, Juan Luis	Chemistry	<b>Sponsor:</b> CanDiag Inc. <b>Prime Sponsor</b> North Carolina Biotechnology Center (NCBC)
<b>The 29th Annual Conference of Southeastern Association of Teachers of Japanese</b>	\$4,000	<b>Current PI:</b> Kato, Fumie	Languages and Culture Studies	<b>Sponsor:</b> Association for Asian Studies (AAS)
<b>The 29th Annual Conference of Southeastern Association of Teachers of Japanese</b>	\$3,000	<b>Current PI:</b> Kato, Fumie	Languages and Culture Studies	<b>Sponsor:</b> United States Japan Foundation
<b>The Innovation Cycle of Engineering Design Teams: Computational Modeling Using Situated Social Cognitive Agents</b>	\$443,535	<b>Current PI:</b> Gero, John	Computer Science	<b>Sponsor:</b> National Science Foundation (NSF)
<b>UNC Charlotte Space Grant for Team Competitions at Southeastcon 2014</b>	\$5,000	<b>Current PI:</b> Hargrove, Claude <b>Other Personnel:</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)
<b>UNCC Near Space Balloon Rocket Project</b>	\$2,000	<b>Current PI:</b> Bird, Jonathan <b>Other Personnel:</b> Willis, Andrew	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)
<b>US Department of State English Language Specialist Award to India January 2014</b>	\$5,600	<b>Current PI:</b> Salas, Spencer	Middle, Secondary and K-12 Education	<b>Sponsor:</b> Department of State (DOS)