

April 20, 2015

The Office of Research and Economic Development is pleased to announce awards received by UNC Charlotte Researchers in the month of March, 2015.

Total amount awarded for the month of March was \$5,629,859

Fiscal Year To Date Total: \$32,093,981

Award Title	Amount	Investigators	PI Dept.	Sponsors
<i>2013-2014 Charlotte-Mecklenburg Quality of Life Study</i>	\$3,000	Principal Investigator (PI): Furusest, Owen Co-PIs: Simmons, Laura; McCoy, William	Metropolitan Studies and Extended Academic Programs	Sponsor: City of Charlotte
<i>CAHPS NC Medicaid Survey 2014</i>	\$540,840	Principal Investigator (PI): Silverman, Gary	Public Health Sciences	Sponsor: North Carolina Department of Health and Human Services (NCDHHS) Prime Sponsor: Department of Health and Human Services (DHHS)
<i>Charlotte Mecklenburg Senior Center - Graduate Student Support</i>	\$31,164	Principal Investigator (PI): Wikstrom, Erik	Kinesiology	Sponsor: Mecklenburg County Parks and Recreation Department
<i>Charlotte Mecklenburg Utility Department Environmental Management Program Services</i>	\$70,208	Principal Investigator (PI): Guyer, Regina	Energy and Environmental Assistance Office	Sponsor: City of Charlotte
<i>Chronically Homeless Registry Reports Proposal 2015</i>	\$3,250	Principal Investigator (PI): Clark, Ashley	Urban Institute	Sponsor: Urban Ministry Center
<i>Confidential</i>	\$1,436,330	Principal Investigator (PI): Daniels, John	Civil and Environmental Engineering	Sponsor: Confidential Prime Sponsor: Confidential
<i>Development of a Maintenance Cost Index</i>	\$116,435	Principal Investigator (PI): Hildreth, John	Engineering Technology and Construction Management	Sponsor: North Carolina Department of Transportation (NCDOT) Prime Sponsor: Federal Highway Administration (FHWA)

<i>Exotic optical beam classes for free-space communication and sensing applications</i>	\$41,419	Principal Investigator (PI): Gbur, Gregory	Physics and Optical Science	Sponsor: Department of Defense (DOD) Air Force Office of Scientific Research (AFOSR)
<i>Fundamental Study of Defect Reduction in Type-II Superlattice Materials</i>	\$99,167	Principal Investigator (PI): Zhang, Yong Co-PI: Wang, Jianwei	Electrical and Computer Engineering	Sponsor: University of Illinois Prime Sponsor: Department of Defense (DOD), Army/Army Research Office
<i>Identifying Biomarkers for Pulmonary Exacerbation Onset in Cystic Fibrosis</i>	\$47,930	Principal Investigator (PI): Stokell, Joshua	Biological Sciences	Sponsor: Cystic Fibrosis Foundation
<i>Impact of microbiota-mediated biotransformation of black tea polyphenols on GI health</i>	\$59,394	Principal Investigator (PI): Fodor, Anthony Co-PI: Gharaibeh, Raad	Bioinformatics and Genomics	Sponsor: University of Florida Prime Sponsor: National Institutes of Health (NIH)
<i>Implementation of Progressive Tinnitus Management: An Assessment of Readiness</i>	\$21,290	Principal Investigator (PI): Elnitsky, Christine	School of Nursing	Sponsor: Department of Veterans Affairs
<i>Improvements to NCDOT's Wetland Prediction Model</i>	\$224,783	Principal Investigator (PI): Wang, Sheng-Guo	Engineering Technology and Construction Management	Sponsor: North Carolina Department of Transportation (NCDOT) Prime Sponsor: Federal Highway Administration (FHWA)
<i>Integrating Biomechanics and Cell Biology to Understand TMJ Pathology</i>	\$29,413	Principal Investigator (PI): Zheng, Naiquan	Mechanical Engineering and Engineering Science	Sponsor: Clemson University Prime Sponsor: National Institutes of Health (NIH)
<i>Investigation of the Interaction of Multiple Optical Filters with Infrared Spectra of Explosives Bouquet Mixtures and Interferents</i>	\$185,000	Principal Investigator (PI): Aggarwal, Ishwar	Physics and Optical Science	Sponsor: Department of Defense (DOD), Office of Naval Research (ONR)
<i>Keeping Watch on CREEKS</i>	\$10,000	Principal Investigator (PI): Cammaroto, Crista	Deans Office College of Arts and Architecture	Sponsor: National Endowment for the Arts (NEA)

<i>Laboratory Testing of Composite Post Insulators to Determine 3D Load-Carrying Capacities</i>	\$39,888	Principal Investigator (PI): Young, David	Civil and Environmental Engineering	Sponsor: Electric Power Research Institute (EPRI)
<i>Marshall Storage with Controller Phase 2</i>	\$82,244	Principal Investigator (PI): Kamalasadan, Sukumar Co-PI: Enslin, Johan	Electrical and Computer Engineering	Sponsor: Duke Energy Corporation
<i>Maximizing the Impact of ePHIM in Low-Income, Multiethnic Populations</i>	\$1,782	Principal Investigator (PI): Latulipe, Celine	Software and Information Systems	Sponsor: Wake Forest University Health Sciences Prime Sponsor: Agency for Healthcare Research and Quality (AHRQ)
<i>Middle School Biotechnology Camp</i>	\$5,000	Principal Investigator (PI): Raja, Shagufta Co-PI: Hatcher, Lorena	Center for STEM Education	Sponsor: Triangle Community Foundation
<i>Natural Resources and Conflict</i>	\$120,363	Principal Investigator (PI): Walsh, James Co-PIs: Whitaker, Beth; Conrad, Justin	Political Science and Public Administration	Sponsor: Department of Defense (DOD)
<i>NCDOT Wetland Modeling Program: Development of Tidal Wetland Models using QL2 LiDAR</i>	\$199,803	Principal Investigator (PI): Wang, Sheng-Guo	Engineering Technology and Construction Management	Sponsor: North Carolina Department of Transportation (NCDOT) Prime Sponsor: Federal Highway Administration (FHWA)
<i>Public Service Fellowship Arts and Science Council</i>	\$20,675	Principal Investigator (PI): Leland, Suzanne	Political Science and Public Administration	Sponsor: City of Charlotte Arts and Science Council
<i>Receptance Coupling Substructure Analysis for Machine Tool Dynamics Modeling</i>	\$36,348	Principal Investigator (PI): Schmitz, Tony	Mechanical Engineering and Engineering Science	Sponsor: Korea Institute of Machinery and Materials (KIMM)

<i>REU Site: Socially Relevant Computing in Pervasive Computing, Computer Vision, and Human Computer Interaction</i>	\$323,815	Principal Investigator (PI): Souvenir, Jamie Co-PIs: Rorrer, Audrey; Latulipe, Celine; Lipford, Heather; Maher, Mary; Shin, Min; Souvenir, Richard; Zhang, Shaoting; Wang, Yu	Computer Science	Sponsor: National Science Foundation (NSF)
<i>Role of APE2 in DNA damage response pathway</i>	\$363,213	Principal Investigator (PI): Yan, Shan	Biological Sciences	Sponsor: National Institutes of Health (NIH)
<i>Sickle Cell Disease Volume Analysis</i>	\$96,406	Principal Investigator (PI): Blanchette, Christopher Co-PI: Noone, Joshua	Deans Office College of Health and Human Services	Sponsor: Putnam Prime Sponsor: Pfizer, Inc.
<i>Sorption, Leaching, and Hydrous Ferric Oxide Determination for Groundwater Assessment Work Plans</i>	\$398,811	Principal Investigator (PI): Langley, William Co-PIs: Daniels, John; Oza, Shubhashini	Civil and Environmental Engineering	Sponsor: HDR, Inc.
<i>Team-initiated Problem Solving for Improved Student Outcomes</i>	\$276,640	Principal Investigator (PI): Algozzine, Robert Co-PI: Cusumano, Dale	Educational Leadership	Sponsor: University of Oregon Prime Sponsor: Department of Education (DOED) Institute of Education Sciences (IES)
<i>Toolkit development for bacterial isoprenoid utilizing enzymes</i>	\$350,055	Principal Investigator (PI): Troutman, Jerry	Chemistry	Sponsor: National Institutes of Health (NIH)
<i>Toxic Land and Public Health in Modern Britain</i>	\$6,484	Principal Investigator (PI): Thorsheim, Peter	History	Sponsor: Wellcome Trust
<i>Understanding the complexity of the transcriptomes in E. coli K12</i>	\$288,726	Principal Investigator (PI): Su, ZhengChang	Bioinformatics and Genomics	Sponsor: National Institutes of Health (NIH) National Institute of General Medical Sciences (NIGMS)

<i>Ventureprise Charlotte Launch Program</i>	\$99,983	Principal Investigator (PI): Wetenhall, Paul Co-PIs: Collins, Devin; Conrad, James; Webb, Justin; Lu, Na	Ventureprise	Sponsor: National Science Foundation (NSF)
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