

Monday, June 23, 2014

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

Total amount awarded for the month of May was \$2,026,564

Fiscal Year to Date Total: \$29,368,794

Award Title	Amount	Investigators	PI Dept.	Sponsors
A Multilevel mHealth Colorectal Cancer Screening (mCRC) Intervention for Primary Care Practices	\$15,845	Principal Investigator (PI): Troyer, Jennifer	Economics	Sponsor: Wake Forest University Health Sciences Prime Sponsor: National Institutes of Health (NIH)
Boyd - Rapid Resource for Families subcontract	\$7,520	Principal Investigator (PI): Boyd, Alice	Social Work	Sponsor: Rapid Resource for Families
Cardiovascular Research Grid - Imaging Informatics Year 3	\$72,937	Principal Investigator (PI): Ge, Yaorong	Software and Information Systems	Sponsor: Vanderbilt University Medical Center Prime Sponsor: National Institutes of Health (NIH)
CAREER: Investigating Process- Structure-Property Correlations of Nitrides and Oxides for High Temperature Thermoelectric Applications	\$23,072	Principal Investigator (PI): Lu, Na	Engineering Technology and Construction Management	Sponsor: National Science Foundation (NSF)
Charlotte Teachers Institute	\$25,000	Principal Investigator (PI): Gartlan, Scott	Deans Office College of Liberal Arts and Sciences	Sponsor: Belk Foundation
Collaborative Research: LiT: Interactive Effects of Elevated Temperature and CO2 Levels on Biomineralization and Metabolic Physiology of Marine Bivalves	\$6,000	Principal Investigator (PI): Parrow, Matthew	Biological Sciences	Sponsor: National Science Foundation (NSF)

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Data-driven Methods for Identifying Emerging Topics and Trends	\$144,675	Principal Investigator (PI): Tolone, William Co-PIs: Ribarsky, Martin; Dou, Wenwen; Wang, Xiaoyu	Deans Office College of Computing and Informatics	Sponsor: University of North Carolina General Administration (UNC GA) Prime Sponsor: Army Research Office (ARO)
Developing a Global Lightning Dataset from Remote Sensing Observations	\$10,000	Principal Investigator (PI): Magi, Brian	Geography and Earth Sciences	Sponsor: North Carolina Space Grant Consortium (NC Space Grant) Prime Sponsor: National Aeronautics and Space Administration (NASA)
Graduate Assistantship at Teen Health Connection	\$13,039	Principal Investigator (PI): Kilmer, Ryan Co-PI: Cook, James	Psychology	Sponsor: Teen Health Connection
Hybrid Processes for Biologically Inspired Optical Devices (Year 3)	\$94,996	Principal Investigator (PI): Suleski, Thomas Co-PI: Davies, Matthew	Physics and Optical Science	Sponsor: II-VI Foundation
Integrating Composition and Improvisation into the Study of Twentieth-Century Music	\$1,500	Principal Investigator (PI): Grymes, James	Music	Sponsor: American Musicological Society
Integrating the Arts, Science, Writing, and Technology into the ASC Scholars Academy	\$5,800	Principal Investigator (PI): Brannon, Lilian	English	Sponsor: City of Charlotte Arts and Science Council
K-8 (STEM) Curriculum Development/Professional Development	\$50,000	Principal Investigator (PI): Lewis, Chance	Middle, Secondary and K- 12 Education	Sponsor: Sugar Creek Charter School
Low loss and low CTE optical metamaterials with index < 1.5	\$40,000	Principal Investigator (PI): Fiddy, Michael	Physics and Optical Science	Sponsor: US Conec Ltd.

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Multiscale Analysis of the Impacts of Forest Invasive Disease on Wildfire Burn Severity Using Landsat Imagery, MASTER Airborne Simulator Data and Machine Learning	\$10,000	Principal Investigator (PI): Chen, Gang	Geography and Earth Sciences	Sponsor: North Carolina Space Grant Consortium (NC Space Grant) Prime Sponsor: National Aeronautics and Space Administration (NASA)
Parsing, Searching and Reasoning in Large-Scale Medical Image Databases	\$5,000	Principal Investigator (PI): Zhang, Shaoting	Computer Science	Sponsor: Oak Ridge Associated Universities
Ph.D. Graduate Assistantship with the Department of Counseling at the University of North Carolina at Charlotte	\$12,150	Principal Investigator (PI): Veach, Laura	Counseling	Sponsor: Wake Forest University Baptist Medical Center
Ph.D. Graduate Assistantship with the Department of Counseling at The University of North Carolina at Charlotte.	\$24,300	Principal Investigator (PI): Veach, Laura	Counseling	Sponsor: Wake Forest University Baptist Medical Center
Predictive Cancer Diagnostics and Therapy Response	\$111,375	Principal Investigator (PI): Mukherjee, Pinku	Biological Sciences	Sponsor: Massachusetts General Hospital Prime Sponsor: NIH National Cancer Institute (NCI)
Regulation of floral growth and patterning in Arabidopsis thaliana	\$36,060	Principal Investigator (PI): Loraine, Ann	Bioinformatics and Genomics	Sponsor: University of South Carolina (USC) Prime Sponsor: National Science Foundation (NSF)
Research Area 9.2: Microstructural and Mechanical Characterization of Lightweight Metals and Alloys with Coarse and Ultrafine-Grained Microstructures	\$40,000	Principal Investigator (PI): Wei, Qiuming	Mechanical Engineering and Engineering Science	Sponsor: DOD DA Army Research Office (ARO)

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Role of Bacteria in Colitis-Associated Colon Cancer	\$27,047	Principal Investigator (PI): Fodor, Anthony	Bioinformatics and Genomics	Sponsor: University of Florida Prime Sponsor: NIH National Institute of Diabetes, Digestive, and Kidney Diseases (NIDDKD)
Substance P exacerbation of CNS inflammation	\$456,817	Principal Investigator (PI): Marriott, Ian Co-PI: Bost, Kenneth	Biological Sciences	Sponsor: National Institutes of Health (NIH)
Tacoma Public Utilities Water Demand Forecasting	\$7,500	Principal Investigator (PI): Hong, Tao	Systems Engineering and Engineering Management	Sponsor: Raftelis Financial Consultants, Inc. (RFC)
The Arts Empowerment Project: Pilot Evaluation	\$5,200	Principal Investigator (PI): Kulkarni, Shanti	Social Work	Sponsor: The Arts Empowerment Project
The Solutions Project: Teaching Students with Moderate/Severe Intellectual Disability to Solve Mathematical Problems	\$400,000	Principal Investigator (PI): Browder-Boswell, Diane Co-PIs: Polly, Andrew; Spooner, Fred; Lo, Ya-yu	Special Education and Child Development	Sponsor: DOED Institute of Education Sciences (IES)
Understanding the complexity of the transcriptomes in E. coli K12	\$276,521	Principal Investigator (PI): Su, ZhengChang	Bioinformatics and Genomics	Sponsor: NIH National Institute of General Medical Sciences (NIGMS)
Understanding the Mechanism of Social Network Influence in Health Outcomes through Multidimensional and Semantic Data Mining Approaches	\$104,210	Principal Investigator (PI): Wu, Xintao	Software and Information Systems	Sponsor: University of Oregon Prime Sponsor: National Institutes of Health (NIH)