

October 26, 2015

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

Total amount awarded for the month of September was \$3,554,926

Fiscal Year To Date Total: \$19,526,917

Award Title	Amount	Investigators	PI Dept.	Sponsors
A generalized platform to evaluate mid spatial frequency error reduction, polishing MRRs and finish.	\$22,636	Principal Investigator (PI): Mullany, Brigid	Mechanical Engineering and Engineering Science	Sponsor: University of Rochester Prime Sponsor: All Other Business and Industry
Accomplished Teachers of Mathematics and Science	\$18,467	Principal Investigator (PI): McIntyre, Ellen	Deans Office College of Education	Sponsor: North Carolina State University (NC SU) Prime Sponsor: National Science Foundation (NSF)
Aquatic Cellular Biomarker Projects	\$56,490	Principal Investigator (PI): Ringwood, Amy Co-PI: Guyer, Regina	Biological Sciences	Sponsor: B and B Laboratories
Confidential	\$120,000	Principal Investigator (PI): Tempest, Brett	Civil and Environmental Engineering	Sponsor: Confidential
Center for Gastrointestinal Biology and Disease	\$23,309	Principal Investigator (PI): Fodor, Anthony	Bioinformatics and Genomics	Sponsor: University of North Carolina at Chapel Hill (UNC-CH) Prime Sponsor: National Institutes of Health (NIH)
Center on Secondary Education for Students with Autism Spectrum Disorders	\$101,211	Principal Investigator (PI): Browder-Boswell, Diane	Special Education and Child Development	Sponsor: University of North Carolina at Chapel Hill (UNC-CH) Frank Porter Graham Child Development Institute Prime Sponsor: US Department of Education (DOED)
Charlotte Mecklenburg Senior Center - Graduate Student Support	\$37,244	Principal Investigator (PI): Arthur, Susan	Kinesiology	Sponsor: Mecklenburg County Parks and Recreation Department

Award Title	Amount	Investigators	PI Dept.	Sponsors
Check & Connect Intervention	\$7,000	Principal Investigator (PI): Lewis, Chance	Middle, Secondary and K-12 Education	Sponsor: Communities in Schools (CIS)
Collaborative Research: I/UCRC for Robots and Sensors for the Human Well-being	\$65,000	Principal Investigator (PI): Xiao, Jing Co-PI: Akella, Srinivas	Computer Science	Sponsor: National Science Foundation (NSF)
Collaborative Research: Quantifying Differences Between Professional Expert Engineers and Engineering Students Designing: Empirical Foundations for Improved Engineering Education	\$331,526	Principal Investigator (PI): Gero, John	Computer Science	Sponsor: National Science Foundation (NSF)
Coupling Dynamic Line Ratings and Temperature-Dependent Non-Uniform Line Model Structures	\$257,232	Principal Investigator (PI): Cecchi, Valentina	Electrical and Computer Engineering	Sponsor: National Science Foundation (NSF)
CPS: Synergy: Collaborative Research: Fault-Tolerant Brain Implantable Cyber-Physical System	\$312,165	Principal Investigator (PI): Joshi, Bharatkumar Co-PIs: Fiddy, Michael; Adams, Ryan	Electrical and Computer Engineering	Sponsor: National Science Foundation (NSF)
CSR:Small:Collaborative Research: Multi-party Collaborative Data Access	\$141,104	Principal Investigator (PI): Al-Shaer, Ehab	Software and Information Systems	Sponsor: National Science Foundation (NSF)
EDU: Collaborative: Enhancing Education in Genetic Privacy with Integration of Research in Computer Science and Bioinformatics	\$149,942	Principal Investigator (PI): Shi, Xinghua Co-PI: Guo, Jun-tao	Bioinformatics and Genomics	Sponsor: National Science Foundation (NSF)
EDU: Deploying and Evaluating Secure Programming Education in the IDE	\$299,788	Principal Investigator (PI): Lipford, Heather Co-PI: Chu, Bei-Tseng	Software and Information Systems	Sponsor: National Science Foundation (NSF)

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Fundamental Study of Defect Reduction in Type-II Superlattice Materials	\$153,056	Principal Investigator (PI): Zhang, Yong	Electrical and Computer Engineering	Sponsor: University of Illinois Prime Sponsor: Department of Defense (DOD) Department of the Army, Army Research Office (ARO)
Girls and Tech	\$3,000	Principal Investigator (PI): Raja, Shagufta	Center for STEM Education	Sponsor: National Center for Women and Information Technology (NCWIT)
Graduate Assistantship - Subcontract from University of Vermont for RENEW Evaluation	\$11,278	Principal Investigator (PI): Kilmer, Ryan Co-PI: Haber, Mason	Psychology	Sponsor: University of Vermont Prime Sponsor: US Department of Education (DOED) Institute of Education Sciences (IES)
Graduate Assistantship with OrthoCarolina Research Institute	\$24,810	Principal Investigator (PI): Huet, Yvette	Kinesiology	Sponsor: OrthoCarolina
Graduate Fellowships in Bioinformatics and Computational Biology	\$246,065	Principal Investigator (PI): Gibas, Cynthia Co-PIs: Brouwer, Cory; Livesay, Dennis; Weller, Jennifer; Schlueter, Jessica	Bioinformatics and Genomics	Sponsor: US Department of Education (DOED)
Improved Methods for Generator Rotor Trimming and Charting	\$12,320	Principal Investigator (PI): Ziegert, John	Mechanical Engineering and Engineering Science	Sponsor: Siemens Energy
Improved Methods for Mounting and Alignment of Rotors on Slotter	\$18,072	Principal Investigator (PI): Ziegert, John Co-PI: Morse, Edward	Mechanical Engineering and Engineering Science	Sponsor: Siemens Energy
Integrated Planning and Advising Services--The Next 10%	\$75,000	Principal Investigator (PI): Lorden, Joan Co-PIs: Smail, John; Carlin, Michael; Coppola, Stephen	Academic Affairs	Sponsor: EDUCAUSE

Award Title	Amount	Investigators	PI Dept.	Sponsors
Integrating Linguistic, Ethnographic, and Genetic Information of Human Populations: Databases and Tools	\$357,653	Principal Investigator (PI): Janies, Daniel Co-PI: Shi, Xinghua	Bioinformatics and Genomics	Sponsor: American Museum of Natural History Prime Sponsor: Department of Defense (DOD) Defense Advanced Research Projects Agency (DARPA)
Making Our Worlds	\$500	Principal Investigator (PI): Brannon, Lilian	English	Sponsor: National Writing Project (NWP) Prime Sponsor: John D and Catherine T MacArthur Foundation
Measurement of Human Blood Pressure Using an Innovative Ultrasonic Sensor	\$2,500	Principal Investigator (PI): Tkacik, Peter	Mechanical Engineering and Engineering Science	Sponsor: Carolinas Medical Center (CMC)
Mitigating Fatigue with Kinesio Tex Tape in those with Chronic Ankle Instability	\$1,000	Principal Investigator (PI): Turner, Tricia Co-PIs: Fenwick, Abbey; Cline, Jason	Kinesiology	Sponsor: National Athletic Trainers Association (NATA) Research and Education Foundation
Natural Resources and Armed Conflict	\$122,980	Principal Investigator (PI): Walsh, James Co-PIs: Whitaker, Beth; Conrad, Justin	Political Science and Public Administration	Sponsor: Department of Defense (DOD)
NC coaching, mentoring, performance evaluation and professional development for birth through kindergarten licensed teachers employed in nonpublic school classrooms (Race to the Top)	\$175,000	Principal Investigator (PI): Lambert, Richard	Educational Leadership	Sponsor: North Carolina Department of Health and Human Services (NCDHHS) Prime Sponsor: US Department of Education (DOED)
On Ramp: Program & Process Evaluation, 2015-2016	\$20,000	Principal Investigator (PI): Gavarkavich, Diane	Urban Institute	Sponsor: The Relatives

Award Title	Amount	Investigators	PI Dept.	Sponsors
Readmissions to Hospitals and Patient Safety	\$111,946	Principal Investigator (PI): Ras, Zbigniew Co-PIs: Hajja, Ayman; Studnicki, James	Computer Science	Sponsor: SAS Institute, Inc.
SafeAlliance Rules Reduction Project	\$3,766	Principal Investigator (PI): Kulkarni, Shanti	School of Social Work	Sponsor: Safe Alliance
Solar Ejector Refrigeration System	\$5,000	Principal Investigator (PI): Ndiaye, Demba Co-PI: Handy, Rodney	Engineering Technology and Construction Management	Sponsor: American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE)
Confidential	\$21,801	Principal Investigator (PI): Manjrekar, Madhav Co-PIs: Chowdhury, Badrul; Enslin, Johan; Kamalasadan, Sukumar; Cecchi, Valentina	Electrical and Computer Engineering	Sponsor: Confidential
The UNC Charlotte GAANN Fellowship Program in Computing and Informatics	\$246,065	Principal Investigator (PI): Ras, Zbigniew	Computer Science	Sponsor: US Department of Education (DOED)