April 21, 2014

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

Total amount awarded for the month of March was $1,993,595   *Fiscal Year To Date Total: $25,658,525*

Award Title	Amount	Investigators	Current PI Dept.	Sponsors
2014 Charlotte-Mecklenburg Annual Telephone Survey of Mecklenburg County residents.	$1,850	**Principal Investigator (PI):** Caratao, Frederick	Urban Institute	**Sponsor:** Communities in Schools (CIS)
2014 Charlotte-Mecklenburg Annual Telephone Survey of Mecklenburg County residents.	$30,000	**Principal Investigator (PI):** Caratao, Frederick	Urban Institute	**Sponsor:** Mecklenburg County Land Use and Environmental Services Agency (LUESA)
2014 Charlotte-Mecklenburg Annual Telephone Survey of Mecklenburg County residents.	$2,700	**Principal Investigator (PI):** Caratao, Frederick	Urban Institute	**Sponsor:** Classroom Central
Accessing young Black MSM for HIV prevention through online social networking	$70,472	**Principal Investigator (PI):** Rowan, Diana	Social Work	**Sponsor:** Department of Health and Human Services (DHHS); Centers for Disease Control and Prevention(CDC)
Big Data Technology Applied To Community Health Assessment	$200,000	**Principal Investigator (PI):** Studnicki, James **Co-PI:** Fisher, John	Public Health Sciences	**Sponsor:** Premier Inc.
BPC-AE - Scaling the STARS Alliance: A National Community for Broadening Participation through Regional Partnerships	$750,000	**Principal Investigator (PI):** Payton, Jamie **Co-PIs:** Rorrer, Audrey; Lipford, Heather; Buch, Kimberly	Computer Science	**Sponsor:** National Science Foundation (NSF)
Effect of Weathering on the Performance of Fire Retardant Coatings	$35,000	**Principal Investigator (PI):** Zhou, Aixi	Engineering Technology and Construction Management	**Sponsor:** Insurance Institute for Business & Home Safety (IBHS)

Energy Performance Assessment Process for a Near Real-Time Dashboard	$35,552	**Principal Investigator (PI):** Cox, Robert **Co-PIs:** Futrell, Benjamin; Brentrup, Dale; Azarbayjani, Mona	Electrical and Computer Engineering	**Sponsor:** Geosyntec Consultants, Inc. **Prime Sponsor:** Department of Defense (DOD)
Fulbright Senior Specialist Award #5269, Molteno Institute for Language and Literacy South Africa	$2,520	**Principal Investigator (PI):** Salas, Spencer	Middle, Secondary and K-12 Education	**Sponsor:** Fulbright Scholar Program
Imaging application of a TAB004-silica nanoparticle conjugate in vivo	$70,000	**Principal Investigator (PI):** Dreau, Didier	Biology	**Sponsor:** CanDiag Inc. **Prime Sponsor:** North Carolina Biotechnology Center (NCBC)
Integrative Assessment of the Environmental Impacts of the Cooling Ponds of Power Plants on Indigenous and Invasive Mussels Using Molecular and Physiological Markers	$10,988	**Principal Investigator (PI):** Sokolova, Inna **Co-PI:** Ivanina, Anna	Biology	**Sponsor:** CRDF Global
Investigation of the Interaction of Multiple Optical Filters with Infrared Spectra of Explosives Bouquet Mixtures and Interferents	$92,500	**Principal Investigator (PI):** Aggarwal, Ishwar	Physics and Optical Science	**Sponsor:** Office of Naval Research (ONR)
IUCRC for Metamaterials	$8,963	**Principal Investigator (PI):** Fiddy, Michael	Physics and Optical Science	**Sponsor:** National Science Foundation (NSF)
Keeping Watch Alliance: Advocates for our own Ecosystem Discovery Place--Discovery Place	$2,000	**Principal Investigator (PI):** Newsom, Mary	Urban Institute	**Sponsor:** Discovery Place and Charlotte Nature Museum
Keeping Watch Alliance: Advocates for our own Ecosystem FFTC	$2,500	**Principal Investigator (PI):** Newsom, Mary	Urban Institute	**Sponsor:** Foundation For The Carolinas (FFTC)
Knight Foundation Donor Advised Fund Jane's Walk Festival 2014	$5,200	**Principal Investigator (PI):** Newsom, Mary	Urban Institute	**Sponsor:** John S and James L Knight Foundation

Leveraging Industry Research to Educate a Future Electric Grid Workforce	$144,371	**Principal Investigator (PI):** Chowdhury, Badrul **Co-PIs:** Parkhideh, Babak; Enslin, Johan; Noras, Maciej; Manjrekar, Madhav; Cox, Robert; Cecchi, Valentina; Salami, Zia	Electrical and Computer Engineering	**Sponsor:** Electric Power Research Institute (EPRI) **Prime Sponsor:** Department of Energy (DOE)
Modulated Tool- Path Chip Breaking Research	$60,000	**Principal Investigator (PI):** Ziegert, John **Co-PI:** Smith, Scott	Mechanical Engineering and Engineering Science	**Sponsor:** B&W Y-12 **Prime Sponsor:** Department of Energy (DOE)
Playing the Game: Reading Digitally with Children's Literature	$1,500	**Principal Investigator (PI):** Basu, Balaka	English	**Sponsor:** Children's Literature Association (ChLA)
Publication Grant - A Newspaper Timeline of Thomas Wolfe's Western Journey	$1,200	**Principal Investigator (PI):** Eckard, Paula	English	**Sponsor:** Charles Redd Center for Western Studies
Research on Tire Camber Control for Over-the-Road Trucks	$62,081	**Principal Investigator (PI):** Tkacik, Peter	Mechanical Engineering and Engineering Science	**Sponsor:** Michelin Americas Research Corporation
Science Organized: Positivism and Metaphysical Club	$3,000	**Principal Investigator (PI):** Pearce, Trevor	Philosophy	**Sponsor:** Huntington Library
Team-initiated Problem Solving for Improved Student Outcomes	$267,000	**Principal Investigator (PI):** Algozzine, Robert	Educational Leadership	**Sponsor:** University of Oregon **Prime Sponsor:** DOED Institute of Education Sciences (IES)
UNC Charlotte Writing Project SEED Grant	$10,000	**Principal Investigator (PI):** Brannon, Lilian	English	**Sponsor:** National Writing Project (NWP) **Prime Sponsor:** US Department of Education (DOED)
US Department of State English Language Specialist Award to India January 2014	$1,888	**Principal Investigator (PI):** Salas, Spencer	Middle, Secondary and K-12 Education	**Sponsor:** Department of State (DOS)

Visualization and Analysis of the Emergence, Evolution, and Spread of Pathogens	$122,310	**Principal Investigator (PI):** Janies, Daniel **Co-PI:** Wang, Xiaoyu	Bioinformatics and Genomics	**Sponsor:** Ohio State University College of Medicine **Prime Sponsor:** DOD Defense Threat Reduction Agency (DTRA)