

February 19, 2021 (revised)

The Office of Research and Economic Development is pleased to announce awards received by UNC Charlotte Researchers in the month of January 2021.

*Total amount awarded for the month of January was \$2,124,146*

*Fiscal Year To Date Total: \$40,711,434*

<b>Award Title</b>	<b>Amount</b>	<b>Investigators</b>	<b>PI Dept.</b>	<b>Sponsors</b>
<b>An Interactive Technology Enhanced Coaching Intervention for Black Women with Hypertension</b>	\$140,261	<b>Principal Investigator (PI):</b> Abel, Willie	School of Nursing	<b>Sponsor:</b> National Institutes of Health (NIH)
<b>Analyze Adsorbable Fluorine Contents in Samples from Duke University</b>	\$2,400	<b>Principal Investigator (PI):</b> Sun, Mei	Civil and Environmental Engineering	<b>Sponsor:</b> Duke University <b>Prime Sponsor:</b> U.S. Department of Defense (DOD) Department of Army (DA) Army Corps of Engineers
<b>Building Healthy Lifestyles from All Directions</b>	\$18,359	<b>Principal Investigator (PI):</b> Racine, Elizabeth	Public Health Sciences	<b>Sponsor:</b> Cabarrus Partnership for Children
<b>Cybersecurity Awareness of the Unbanked and Underbanked</b>	\$19,702	<b>Principal Investigator (PI):</b> Lipford, Heather	Software and Information Systems	<b>Sponsor:</b> Bank of America
<b>Fabrication of a Desktop C-Ion Energy Storage Demonstrator</b>	\$19,017	<b>Principal Investigator (PI):</b> Gafford, James	Energy Production and Infrastructure Center	<b>Sponsor:</b> Merlin Engine, LLC <b>Prime Sponsor:</b> Merlin Engine, LLC
<b>Girl Scouts Hornets' Nest Council Evaluation - Phase II</b>	\$42,021	<b>Principal Investigator (PI):</b> Meggs, Michelle <b>Co-PI:</b> Anderson, Bridget	Urban Research & Comm Engagement	<b>Sponsor:</b> Girl Scouts Hornets Nest Council
<b>Good Jobs Charlotte</b>	\$88,531	<b>Principal Investigator (PI):</b> Lane, Justin <b>Co-PI:</b> Idzikowski, Sydney	Urban Institute	<b>Sponsor:</b> Charlotte Works

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<b>Grant Agreement with Children and Family Services #2020-096</b>	\$65,000	<b>Principal Investigator (PI):</b> DeHaven, Mark	Deans Office College of Health and Human Services	<b>Sponsor:</b> Children and Family Services Inc. <b>Prime Sponsor:</b> Kate B Reynolds Charitable Trust
<b>Innovative Programs to Enhance Research Training (IPERT), Center for Health Equity Research (CHER) Institute</b>	\$1,467	<b>Principal Investigator (PI):</b> Abel, Willie	School of Nursing	<b>Sponsor:</b> California State University - Long Beach <b>Prime Sponsor:</b> National Institute of Health (NIH) National Institute of General Medical Sciences (NIGMS)
<b>Japanese for Professions</b>	\$1,600	<b>Principal Investigator (PI):</b> Kato, Fumie	Languages and Culture Studies	<b>Sponsor:</b> Japan Foundation
<b>Leveraging Distributed Manufacturing Assets with Mindsphere 2021</b>	\$60,000	<b>Principal Investigator (PI):</b> Tarbutton, Joshua	Mechanical Engineering and Engineering Science	<b>Sponsor:</b> Siemens Corporate Technology
<b>Load Capacity of Concrete Pile Sections</b>	\$10,000	<b>Principal Investigator (PI):</b> Smith, Benjamin	Engineering Technology and Construction Management	<b>Sponsor:</b> Geopier Foundation Company, Inc.
<b>Mechanisms that Predict Weight Trajectory after Bariatric Surgery: The Interactive Roles of Behavior and Biology</b>	\$116,958	<b>Principal Investigator (PI):</b> Fodor, Anthony	Bioinformatics and Genomics	<b>Sponsor:</b> University of North Carolina at Chapel Hill (UNC-CH) <b>Prime Sponsor:</b> National Institute of Health (NIH) National Institute of Diabetes, Digestive, and Kidney Diseases (NIDDKD)
<b>MSF Specification and Tolerancing</b>	\$53,912	<b>Principal Investigator (PI):</b> Suleski, Thomas	Physics and Optical Science	<b>Sponsor:</b> University of Rochester

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<b>NCDHHS Intern</b>	\$4,000	<b>Principal Investigator (PI):</b> Madsen, Patrick	University Career Center	<b>Sponsor:</b> North Carolina Department of Health and Human Services (NCDHHS) <b>Prime Sponsor:</b> Pritzker Family Foundation
<b>Novel Engineered Optical Components</b>	\$50,000	<b>Principal Investigator (PI):</b> Aggarwal, Ishwar	Physics and Optical Science	<b>Sponsor:</b> DOD DN Naval Research Laboratory
<b>Phase I HRRSS and HIV Dashboard Development &amp; Support and MCPH HIV Dashboard Development and Support Project.</b>	\$28,661	<b>Principal Investigator (PI):</b> Thompson, Michael <b>Co-PIs:</b> Zarwell, Meagan; Robinson, Patrick	Deans Office College of Health and Human Services	<b>Sponsor:</b> Mecklenburg County Health Department <b>Prime Sponsor:</b> Human Resources and Services Administration (HRSA) Bureau of Health Workforce
<b>Predictive Highway Maintenance Through Automated Visual Analytics and Hotspot Analysis.</b>	\$93,579	<b>Principal Investigator (PI):</b> Shoghli, Omidreza <b>Co-PI:</b> Tabkhivayghan, Hamed	Engineering Technology and Construction Management	<b>Sponsor:</b> Leidos Holdings, Inc. <b>Prime Sponsor:</b> Virginia Department of Transportation
<b>RAPID: Analyses of Current Polymorphism and Recent Viral Divergence to Illuminate Molecular Evolution Permissive of Zoonoses in SARS-CoV-1 and SARS-CoV-2</b>	\$17,599	<b>Principal Investigator (PI):</b> Dornburg, Alex	Bioinformatics and Genomics	<b>Sponsor:</b> Yale University <b>Prime Sponsor:</b> National Science Foundation (NSF)
<b>SocialBit: Establishing the Accuracy of a Wearable Sensor to Detect Social Interactions After Stroke.</b>	\$203,692	<b>Principal Investigator (PI):</b> Shin, Min	Computer Science	<b>Sponsor:</b> Brigham and Womens Hospital <b>Prime Sponsor:</b> National Institutes of Health (NIH)
<b>Technical Assistance to the North Carolina Department of Public Instruction in the Implementation of the Transportation Information Management System (TIMS) 2020-21</b>	\$222,607	<b>Principal Investigator (PI):</b> York, Phillip	Urban Institute	<b>Sponsor:</b> North Carolina Department of Public Instruction (NCDPI)

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<b>Towards Commercialization of Low-Cost, Crack-Tolerant, Screen-Printable Metallization by Full-size Module Testing and Field Characterization</b>	\$118,962	<b>Principal Investigator (PI):</b> Ebong, Abasifreke	Electrical and Computer Engineering	<b>Sponsor:</b> Osazda Energy, LLC <b>Prime Sponsor:</b> Department of Energy (DOE)
<b>Transforming the Carolinas 2.0</b>	\$18,010	<b>Principal Investigator (PI):</b> Zarwell, Meagan	Public Health Sciences	<b>Sponsor:</b> University of North Carolina at Chapel Hill (UNC-CH) <b>Prime Sponsor:</b> National Institutes of Health (NIH)
<b>UNC Resilience Grants</b>	\$727,808	<b>Principal Investigator (PI):</b> Blackmon, Alvin	Financial Aid	<b>Sponsor:</b> University of North Carolina System Office (UNC SysOff) <b>Prime Sponsor:</b> US Department of Education (DOED)