

April 17, 2020

The Office of Research and Economic Development is pleased to announce awards received by UNC Charlotte Researchers in the month of March, 2020.

Total amount awarded for the month of March was \$1,677,545

Fiscal Year To Date Total: \$37,388,981

Award Title	Amount	Investigators	PI Dept.	Sponsors
Analyze Adsorbable Fluorine Contents in Samples from Battelle	\$1,400	Principal Investigator (PI): Sun, Mei	Civil and Environmental Engineering	Sponsor: Battelle
Archaeology of Bara: Survey and Excavations in the "Eternal Royal City" of the Oyo Empire	\$28,260	Principal Investigator (PI): Ogundiran, Akinwumi	Africana Studies	Sponsor: National Geographic Society Education Foundation
Bookselling in Early Modern England	\$6,000	Principal Investigator (PI): Melnikoff, Kirk	English	Sponsor: Bibliographical Society of America
CAREER: Programming the Existing and Emerging Memory Systems for Extreme-Scale Parallel Performance	\$120,389	Principal Investigator (PI): Yan, Yonghong	Computer Science	Sponsor: National Science Foundation (NSF)
Charlotte Racial Justice Consortium	\$20,000	Principal Investigator (PI): McCarter, Susan	School of Social Work	Sponsor: Association of American Colleges and Universities (AACU)
CUDA Code Patterns for Performance Analysis of GPU Unified Memory	\$49,999	Principal Investigator (PI): Yan, Yonghong	Computer Science	Sponsor: DOE Lawrence Livermore National Laboratory (LLNL)
Determination of Electrical and Geometrical Characteristics of Mine-Like and IED-Like Targets Using New Globally Convergent Inverse Algorithms	\$140,000	Principal Investigator (PI): Klibanov, Mikhail Co-PI: Astratov, Vasily	Mathematics and Statistics	Sponsor: DOD Department of Army (DA) Army Research Office (ARO)
Multi-Dimensional Mechanistic Modeling of Jordan Lake, North Carolina	\$360	Principal Investigator (PI): Bowen, James	Civil and Environmental Engineering	Sponsor: North Carolina Policy Collaboratory

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NCDOT CoE Advanced Transportation Technologies (UNC CH HSRC)	\$70,282	Principal Investigator (PI): Pulugurtha, Srinivas Co-PIs: Ghasemi, Amirhossein; Duddu, Venkata Ramana	Civil and Environmental Engineering	Sponsor: University of North Carolina at Chapel Hill (UNC-CH) Prime Sponsor: North Carolina Department of Transportation (NCDOT)
NTACT/AIR Collaboration to Improve Transition Outcomes for Youth with Disabilities	\$118,103	Principal Investigator (PI): Mazzotti, Valerie Co-PI: Fowler, Catherine	Special Education and Child Development	Sponsor: American Institutes for Research (AIR) Prime Sponsor: US Department of Education (DOED)
Risk Factors for Microscopic Colitis	\$43,986	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)
SaTC: Edu: Digital Safety Immersion for Elementary School Students	\$399,999	Principal Investigator (PI): Martin, Florence Co-PIs: Polly, Andrew; Wang, Weichao	Educational Leadership	Sponsor: National Science Foundation (NSF)
SBA Federal SBTDC Budget for the 2019 Program Year	\$99,650	Principal Investigator (PI): McIntire, Robin	Small Business Technology Development Center (SBTDC)	Sponsor: North Carolina Small Business and Technology Development Center (NC SBTDC) Prime Sponsor: US Small Business Administration (SBA)
SBIR: Real-Time Muzzle Velocity Feedback System Using Electric Field Sensors	\$34,059	Principal Investigator (PI): Noras, Maciej	Engineering Technology and Construction Management	Sponsor: Triton Systems, Inc Prime Sponsor: Department of Defense (DOD)

Award Title	Amount	Investigators	PI Dept.	Sponsors
Science and Photonics for Girls	\$500	Principal Investigator (PI): Porras-Aguilar, Rosario Co-PIs: Pugalee, David; Raja, Shagufta	Physics and Optical Science	Sponsor: International Society for Optical Engineering (SPIE)
SHF:Medium:Collaborative Research: Compute on Data Path: Combating Data Movement in High-Performance Computing	\$116,314	Principal Investigator (PI): Yan, Yonghong	Computer Science	Sponsor: Texas Tech University Prime Sponsor: National Science Foundation (NSF)
Surface Evaluation of Powder Bed Fusion Metal Additive Manufactured Samples	\$223,165	Principal Investigator (PI): Evans, Christopher Co-PI: Allen, Angela	Mechanical Engineering and Engineering Science	Sponsor: Carl Zeiss Industrial Metrology, LLC Prime Sponsor: ZEISS Group
Transforming Principal Preparation Program: UNC Charlotte and Southwest Regional Education Service Alliance Project	\$205,079	Principal Investigator (PI): Morris, Debra Co-PIs: Kudlats, Jamie; La Serna, Jillian; Watson, Jimmy; D'Amico, Mark; Shore, Rebecca; Hart, Walter	Educational Leadership	Sponsor: University of North Carolina System Office (UNC SysOff) Prime Sponsor: North Carolina Principal Fellows Commission