

February 13, 2020

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

Total amount awarded for the month of January was \$3,372,876

Fiscal Year To Date Total: \$33,787,088

Award Title	Amount	Investigators	PI Dept.	Sponsors
2019-2020 Governor's Institute on Substance Abuse Scholarships	\$10,000	Principal Investigator (PI): Lassiter, Pamela	Counseling	Sponsor: Governors Institute on Alcohol and Substance Abuse Prime Sponsor: North Carolina Department of Health and Human Services (NCDHHS) Division of Mental Health, Developmental Disabilities and Substance Abuse Services (MHDDSAS)
2020 City Walks: Discover Charlotte's Neighborhood Stories	\$5,000	Principal Investigator (PI): Gaines, Angelique	Urban Institute	Sponsor: Foundation For The Carolinas (FFTC) Prime Sponsor: Charlotte Mecklenburg Community Foundation
2020 Cultural Life Assessment - Phase 1	\$1,890	Principal Investigator (PI): Hochwalt, Bridget	Urban Institute	Sponsor: Arts and Science Council (ASC)
Air Force University Engineering Design Challenge	\$25,000	Principal Investigator (PI): Browne, Aidan	Engineering Technology and Construction Management	Sponsor: DZYNE Technologies Incorporated (DZYNE) Prime Sponsor: DOD Department of Airforce (DAF) Air Force Research Laboratory (AFRL)
APLU IES Completion Grant	\$5,000	Principal Investigator (PI): McEntire, Tina	Enrollment Management	Sponsor: Association of Public and Land-Grant Universities (APLU) Prime Sponsor: US Department of Education (DOED)

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Behavioral Healthcare Leadership Academy	\$51,243	Principal Investigator (PI): Richardson, Sonyia	School of Social Work	Sponsor: Cardinal Innovations Healthcare Solutions
CAREER: Programming the Existing and Emerging Memory Systems for Extreme-Scale Parallel Performance	\$264,113	Principal Investigator (PI): Yan, Yonghong	Computer Science	Sponsor: National Science Foundation (NSF)
Collaborative Research: Novel Neurocognitive Assessment of Engineering Education Interventions Applied to Systems Thinking	\$200,790	Principal Investigator (PI): Gero, John	Computer Science	Sponsor: National Science Foundation (NSF)
Displace, Return, and Reconstruct: Population Movement and Resilience to Instability	\$229,915	Principal Investigator (PI): Walsh, James	Political Science and Public Administration	Sponsor: Department of Defense (DOD)
Dynamic Illumination Optics	\$70,968	Principal Investigator (PI): Suleski, Thomas Co-PI: Davies, Matthew	Physics and Optical Science	Sponsor: University of Rochester
Enhanced Optical Measurement Technologies	\$324,789	Principal Investigator (PI): Morse, Edward	Mechanical Engineering and Engineering Science	Sponsor: Honeywell, Inc. Prime Sponsor: Department of Energy (DOE)
Freeform Optics Metrology Round Robin	\$55,064	Principal Investigator (PI): Evans, Christopher Co-PI: Falaggis, Konstantinos	Mechanical Engineering and Engineering Science	Sponsor: University of Rochester Prime Sponsor: National Science Foundation (NSF)
Graduate Assistant - The Urban Education Collaborative (Community Engagement)	\$22,417	Principal Investigator (PI): Lewis, Chance	Middle, Secondary and K-12 Education	Sponsor: Young Black Leadership Alliance
High-Speed Manufacturing of Monolithic Silicon Carbide Freeform Imaging Systems	\$63,173	Principal Investigator (PI): Davies, Matthew Co-PI: Evans, Christopher	Mechanical Engineering and Engineering Science	Sponsor: University of Rochester Prime Sponsor: National Science Foundation (NSF)

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I-Corps: Hexacoordinate Pincer Complexes for Organic Electronic Devices	\$50,000	Principal Investigator (PI): Schmedake, Thomas	Chemistry	Sponsor: National Science Foundation (NSF)
Identifying Collateral Sensitivity Networks and Associated Genetic Markers in Burkholderia Species	\$133,606	Principal Investigator (PI): Steck, Todd Co-PI: Sung, Shian	Biological Sciences	Sponsor: Cystic Fibrosis Foundation
IGE: Reimagining the STEM Doctorate: The Pathways to Entrepreneurship (PATENT) Program	\$500,000	Principal Investigator (PI): Ramaprabhu, Praveen Co-PIs: Pugalee, David; Cherukuri, Harischandra; Uddin, Mesbah; Xu, Ting;	Mechanical Engineering and Engineering Science	Sponsor: National Science Foundation (NSF)
Implementation and Evaluation of an Interprofessional Education Suicide Prevention Training Program for Health Professions Students	\$13,640	Principal Investigator (PI): Cramer, Robert	Public Health Sciences	Sponsor: University of Cincinnati Prime Sponsor: Substance Abuse and Mental Health Services Administration (SAMHSA)
International Facility Management Association Operations and Maintenance Report	\$100,000	Principal Investigator (PI): Smithwick, Jake	Engineering Technology and Construction Management	Sponsor: International Facility Management Association (IFMA)
Mechanism of APE1 in DNA Damage Response	\$36,080	Principal Investigator (PI): Yan, Shan	Biological Sciences	Sponsor: National Institutes of Health (NIH)
NCEMC Very Short Term Load Forecasting	\$100,000	Principal Investigator (PI): Hong, Tao	Systems Engineering and Engineering Management	Sponsor: North Carolina Association of Electric Cooperatives (NCAEC)
PANACEA: Personalized AutoNomous Agents Countering Social Engineering Attacks	\$30,555	Principal Investigator (PI): Shaikh, Samira Co-PI: Al-Shaer, Ehab	Computer Science	Sponsor: SUNY Research Foundation Prime Sponsor: Department of Defense (DOD) Defense Advanced Research Projects Agency (DARPA)

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Replication of "Valuing Diversity: A Group-Value Approach to Understanding the Importance of Organizational Efforts to Support Diversity," by Triana & García (2009, Journal of Organizational Behavior)	\$690	Principal Investigator (PI): Banks, George	Management	Sponsor: Center for Open Science Prime Sponsor: Department of Defense (DOD) Defense Advanced Research Projects Agency (DARPA)
REU Site: UNCC Crime Analytics - Research Experiences for Undergraduates	\$313,025	Principal Investigator (PI): Turner, Michael Co-PI: Phillips, Matthew	Criminal Justice and Criminology	Sponsor: National Science Foundation (NSF)
SaTC: EDU: E-SHIELD: Enhancing Security Education in Hybrid Mobile and IoT Firmware Through Inclusive, Engaging Learning Modules	\$428,665	Principal Investigator (PI): Sridhar, Meera Co-PI: Ramaprasad, Harini	Software and Information Systems	Sponsor: National Science Foundation (NSF)
SBIR: LightSecure Freeform See-Through Display	\$49,253	Principal Investigator (PI): Davies, Matthew Co-PI: Suleski, Thomas	Mechanical Engineering and Engineering Science	Sponsor: Nanohmics, Inc. Prime Sponsor: Department of Defense (DOD)
UNC Charlotte Urban Institute Faculty Fellows Program	\$288,000	Principal Investigator (PI): Thomas, Marye	Urban Institute	Sponsor: Foundation For The Carolinas (FFTC) Prime Sponsor: Gambrell Foundation