

January 13, 2020

The Office of Research and Economic Development is pleased to announce awards received by UNC Charlotte Researchers in the month of December, 2019.

Total amount awarded for the month of December was \$2,164,803

Fiscal Year To Date Total: \$30,414,212

Award Title	Amount	Investigators	PI Dept.	Sponsors
14th Annual K-12 STEM Conference at UNC Charlotte January 3, 2020 Sponsorship	\$5,000	Principal Investigator (PI): Wickliff, Alisa	Center for STEM Education	Sponsor: Burroughs Wellcome Fund
2020 Cultural Life Assessment - Phase 1	\$11,400	Principal Investigator (PI): Hochwalt, Bridget	Urban Institute	Sponsor: Arts and Science Council (ASC)
Battle Soybean Cyst Nematode - Seeking Solutions From the Wild	\$20,000	Principal Investigator (PI): Song, Bao-Hua	Biological Sciences	Sponsor: North Carolina Biotechnology Center (NCBC)
Capacity Building Program for U.S. Study Abroad (CBPSA)	\$14,951	Principal Investigator (PI): Ladenheim, Rachel Co-PIs: Sekulich, Bradley; Strickler, Whitney;	Intercultural Outreach	Sponsor: World Learning Prime Sponsor: US Department of State (DOS)
CAPER Enhancement - EHP-07-PG: Developing a Combined System Model and Simulation Process for Integrated Planning and Operations Across Transmission and Distribution Systems	\$200,000	Principal Investigator (PI): Chowdhury, Badrul	Electrical and Computer Engineering	Sponsor: Duke Energy Corporation
Community Medicaid Transformation Engagement and Education Initiative	\$10,000	Principal Investigator (PI): Scott, Victoria Co-PI: Dulin, Michael	Psychological Science	Sponsor: Care Ring
EPIC Affiliates Industry Memberships for Seed Funded Projects.	\$5,000	Principal Investigator (PI): Kopitopoulou, Christina	Energy Production and Infrastructure Center	Sponsor: Framatome Inc. (U.S.)

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Evaluating the Effectiveness of Green Dot to Prevent Multiple Forms of Violence Among High School Youth Who Have Been Exposed to Family Violence	\$10,000	Principal Investigator (PI): Mennicke, Annelise	School of Social Work	Sponsor: Centers for Disease Control and Prevention (CDC)
Field-Scale Testing of Hydrology of Water Balance Covers	\$164,612	Principal Investigator (PI): Khire, Milind	Civil and Environmental Engineering	Sponsor: Waste Management, Inc.
First Phase of Development of a Low-Cost, Portable, and Rapid Nondestructive Inspection Tool for Wood Distribution Poles	\$102,457	Principal Investigator (PI): Whelan, Matthew	Civil and Environmental Engineering	Sponsor: Duke Energy Corporation
Japanese Teaching Materials Purchase Grant	\$1,000	Principal Investigator (PI): Yokono, Yukiko	Languages and Culture Studies	Sponsor: Japan Foundation
Mecklenburg ReCAST Community Trauma Program Evaluation	\$148,010	Principal Investigator (PI): Kulkarni, Shanti Co-PI: Waites Spellman, Cheryl	School of Social Work	Sponsor: Charlotte Mecklenburg County Prime Sponsor: Substance Abuse and Mental Health Services Administration (SAMHSA)
Performance Testing of an Integrated Magnetic Power Take-Off	\$102,326	Principal Investigator (PI): Williams, Wesley	Engineering Technology and Construction Management	Sponsor: Portland State University Prime Sponsor: Department of Energy (DOE)
Project Title: Optimal Reconfiguration and Resilient Control Framework for Real-Time Photovoltaic Dispatch to Manage Critical Infrastructure (ReDis-PV)	\$812,707	Principal Investigator (PI): Kamalasadan, Sukumar Co-PI: Han, Tao	Electrical and Computer Engineering	Sponsor: Department of Energy (DOE)
Solution for Curbside-Charging Electric Vehicles for Planned Urban Growth	\$354,380	Principal Investigator (PI): Cox, Robert Co-PIs: Young, David; Thill, Jean-Claude; Manjrekar, Madhav; Mazzola, Michael	Electrical and Computer Engineering	Sponsor: Department of Energy (DOE)

Award Title	Amount	Investigators	PI Dept.	Sponsors
The Center for Sustainably Integrated Buildings and Sites	\$100,000	Principal Investigator (PI): Cox, Robert	Energy Production and Infrastructure Center	Sponsor: Atrium Health (formerly Carolinas HealthCare System)
TO: #2 Advancing Concrete Pavement Technology Solutions - Performance Engineered Mixtures (PEMs) / AASHTO PP 84-19 and Precision and Bias Statements	\$60,000	Principal Investigator (PI): Cavalline, Tara	Engineering Technology and Construction Management	Sponsor: Iowa State University (ISU) Prime Sponsor: Federal Highway Administration (FHWA)
Training Engineers on the Selection and Application of Appropriate Tools for Advanced CFD Analyses	\$42,960	Principal Investigator (PI): Uddin, Mesbah	Mechanical Engineering and Engineering Science	Sponsor: Mitchell Community College