

2017-18 UNIVERSITY RESEARCH GRANT AWARDS

Rank	Last name	First name	Department	Grant title	Amount Funded	Joint - Name
Professor	Adair	Stephen	Sociology	The Structural Determinants of Homelessness in Connecticut's Cities and Towns	\$3,500	
Assistant Professor	Barmon	Christina	Sociology	Aging and Volunteerism	\$5,000	
Professor	Barrington	Candace	English	Global Chaucers: Tracking Apartheid and Rural Medievalism in John Boje's <i>'n Keur uit die Pelgrimsverhale van Geoffrey Chaucer</i>	\$5,000	
Professor	Benfield	Richard	Geography	In pursuit of true happiness; semiotics and the garden visitor	\$2,535	
Assistant Professor	Boncoddio	Rebecca	Psychological Science	The Role of Action and Gesture in Teaching and Student Learning	\$4,968	
Assistant Professor	Bragg	Caleb	Psychological Science	Student Request on IER	\$2,750	
Assistant Professor	Brewer	Elizabeth	English	Mad Disability Studies: Narrative Coming Out and Ethos Construction in the Synthesis of Two Fields	\$1,889	
Assistant Professor	Chae	Myungjin	Manufacturing & Construction Management	Internet of Things (IoT) Artificial Intelligence (AI) for Roadway Weather Information System (RWIS)	\$6,518	Salama, Talat; Thamma, Ravindra

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Assistant Professor	Chakraborty	Sourav	Chemistry & Biochemistry	Demystifying induced defense traits in ash and white fringe trees against invasive insect pest emerald ash borer	\$4,973	
Associate Professor	Chase	Daniel	Biomolecular Sciences	A novel method to remove cell-specific function of essential genes using CRISPR-Cas9 in <i>C. elegans</i> .	\$5,000	
Associate Professor	Cohen	Diana	Political Science	"Crashing the Boards: The Politics of Professional Women's Ice Hockey"	\$5,000	
Assistant Professor	Corbera Lopez	Silvia	Psychological Science	THE INFLUENCE OF ACUTE STRESS IN EMPATHY TO SOCIAL REJECTION	\$5,000	
Professor	D'Addio	Daniel	Music	A Recording of Trumpet Sonatas	\$4,950	
Professor	Davis	Michael	Biomolecular Sciences	The Role of Biofilms in the Growth, Persistence, and Resistance of Bacteria	\$5,000	
Professor	del Ama Gonzalo	José Carlos	Communication	The Post-History Generation Goes to College. Academic Performance and School Attitude in the Age of Social Media	\$2,435	

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Associate Professor	Dharavath	Haji Naik	Computer Electronics and Graphics Technology (CEGT)	Color Image Quality Comparison of Electro-Photographic vs. Inkjet Printing processes in a Color Managed Digital Printing Workflow (CMDPW)	\$4,852	Odesina, Olusegun
Associate Professor	Dobbs-McAuliffe	Betsy	Biomolecular Sciences	Investigating ethanol effects on thyroid function in the developing zebrafish embryo	\$4,207	
Professor	Dowling	Robert	English	China Tour: Eugene O'Neill: A Life in Four Acts	\$5,000	
Assistant Professor	Drew	Sally	Special Education and Interventions	Practice-based Professional Development on Writing-to-Learn in Middle School Earth and Space Science: A Design Research Project	\$9,720	Thomas, Jeff
Assistant Professor	Ely	Cairn	Engineering	Investigating Mechanisms that Stimulate Soil Remediation by Root Zone Bacteria	\$2,408	
Professor	Feder	Ken	Anthropology	Ancient Rock Art Sites in North America	\$2,088	
Associate Professor	Foust	Mathew	Philosophy	Daoism and American Philosophy	\$4,825	

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Assistant Professor	Friesem	Yonty	Communication	Creating a Digital Empathy Scale	\$4,990	
Professor	Garcia	Vicente	Art	SCULPTURAL VESSELS, From the computer to the Pedestal	\$3,960	
Professor	Geller	Jaclyn	English	Goodbye Bridezilla, Farewell Peter Pan: Moving Past Marriage	\$3,234	
Associate Professor	Ghodsi	Reza	Engineering	Study To Optimize The Design Of A Vertical Axis Wind Turbine	\$5,000	
Assistant Professor	Gichiru	Pauline Wangari	Educational Leadership, Policy, & Instructional Technology	Teaching in Consensual, Peaceful and Ethnically Diverse Spaces: A qualitative study of Pre-service Teachers' Perceptions of their Preparedness to Teach Peace Education in Secondary Schools in Kenya	\$2,338	
Assistant Professor	Givens	Eugena	Criminology and Criminal Justice	An examination of environmental risk factors and developmental trajectories of childhood problem behaviors	\$4,960	
Professor	Glagovich	Neil	Chemistry & Biochemistry	Synthesis and Crystal Structure Determination of Potential Bond-Stretch Isomers	\$4,989	

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Professor	Gotchev	Ivan	Mathematical Science	Cardinal Functions on Urysohn Topological Spaces	\$5,000	
Professor	Halkin	Sylvia	Biology	Do Eastern Gray Squirrels, <i>Sciurus carolinensis</i> , Target Theft-Averting Responses to Recent Thieves?	\$508	
Associate Professor	Hammad	Khaled	Engineering	The Flow Structure of Annular Viscoplastic Non-Newtonian Jets	\$5,000	
Associate Professor	Hartwig	Heidi	English	Representing Saints in Modern British Literature	\$5,000	
Assistant Professor	Hoopengardner	Barry	Biomolecular Sciences	RNA editing in Orthopteran insects	\$5,000	
Associate Professor	Jackson	Mark	Biology	Short-term neurosteroid actions of progesterone in the crayfish ventral nerve ganglion	\$5,000	
Professor	Jarrett	Jeremiah	Biology	The Role of Population Connectivity in the Recovery of Overfished Populations of the Sea Cucumber <i>Holothuria mexicana</i> in the Caribbean.	\$2,648	

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Assistant Professor	Johnson	Steven	Engineering	Development of Near Shape Light Alloy Materials for Potential Structural Applications	\$5,000	
Associate Professor	Kapper	Martin	Biomolecular Sciences	2-Dimensional Electrophoresis to Determine Whether Aquaporins are Phosphorylated During High Salinity Adaptation in Ribbed Mussel Gills	\$2,432	
Assistant Professor	Keazer	Lindsay	Mathematical Science	Prospective Teachers' Understanding of Common Core Mathematics	\$5,000	
Professor	King	Thomas	Biomolecular Sciences	Fine-mapping and immunogenetic evaluation of the mouse "curly whiskers" mutation (cw)	\$2,675	
Assistant Professor	Koulidobrova	Elena	English	Examination of the linguistic development of ASL and English by Deaf/Hard of Hearing non-native language learners: Setting aside the non-linguistic factors.	\$2,435	
Professor	Kurkovsky	Stan	Computer Science	User Behavior Analysis and Prediction in the Internet of Things Environments	\$5,000	

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Rank	Last name	First name	Department	Grant title	Amount Funded	Joint - Name
Professor	Kyem	Peter	Geography	Why do Policy Makers in Africa continue to overlook Potentials of the Mobile Phone for Building their E-government Programs?	\$2,216	
Associate Professor	Lee	Namhun	Manufacturing & Construction Management	Interactive Visual Representation, Communication, and Information Processing in Construction Management	\$5,800	Kim, Yeojin
Associate Professor	Levvis	Margaret	Nursing	A Human Rights Model for Pediatric Palliative Care	\$5,000	
Assistant Professor	Liu	Yan	Educational Leadership, Policy, & Instructional Technology	What Leadership Responsivities should involve Teacher Leaders and what's the Impact of Teacher Leaders' Involvement on Teaching and Learning?	\$5,000	
Assistant Professor	Luchkina	Tatiana	English	The role of intonation and word order in the expression of perceived information prominence in Russian and Hindi	\$1,332	
Assistant Professor	Marjani	Sadie	Biology	Effects of oxygen concentration during in vitro maturation, fertilization and culture on genome-wide 5-hydroxymethylcytosine and 5-methylcytosine patterns in bovine IVF embryos	\$4,882	

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Assistant Professor	Maurer	Sarah	Chemistry & Biochemistry	Co-evolution of membranes and biopolymers: Improved stability of membranes in the presence of simple biomolecules	\$4,947	
Assistant Professor	Meng	Yunliang	Geography	Multiple Sclerosis Disease and County-level Contextual Characteristics: A Case Study in New England Region	\$3,500	
Associate Professor	Menoche	Charles	Music	Innovative Uses for Adaptive Music Technology Instruments for Live Performance: Creation of <i>Soundpiece #3</i> : Duo for Cello and interactive electro-acoustics	\$4,850	
Professor	Mione	Thomas	Biology	Wild Relatives of the Tomato	\$4,885	
Professor	Mitchell	Damon	Criminology and Criminal Justice	Creation of a Screening Instrument for Prisoner Sexual Assault	\$5,000	
Professor	Mitrano	John	Sociology	An Examination of the Longitudinal Educational, Vocational, And Financial Outcomes of CSCU Alumni: A Case Study	\$3,576	

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Professor	Mulcahy	Cara	Literacy, Elementary Education, and Early Childhood	An introspective examination of the Readers'/Writers' Workshop.	\$2,435	
Professor	Mulrooney	James	Biomolecular Sciences	What Regulates E-cadherin Function in Parietal Endoderm; Dissecting Two Models	\$4,827	
Associate Professor	Nagpal	Pankaj	Accounting	Corporate Governance implications of IT Security	\$2,435	
Professor	Naoumov	Viatcheslav	Engineering	STUDY OF THE COMBUSTION OF PURE BIO- DERIVED FUELS AND FUELS WITH ADDITIVES IN THE HYBRID PROPELLANT ROCKET ENGINE AT THE INCREASED FLOW RATES OF OXIDIZER	\$4,710	
Assistant Professor	Oyewumi	Oluyinka	Geological Sciences	GEOCHEMICAL ASSESSMENT OF MAJOR AND TRACE ELEMENTS IN AGRICULTURAL SOILS OF LEBANON, CT	\$5,000	

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Assistant Professor	Park	Sangho	Computer Electronics and Graphics Technology	Developing Energy-aware Intelligent System for Sustainable Smart Buildings with Artificial Intelligence (AI) and Internet of Things (IoT)	\$7,499	Chae, Myungjin
Professor	Pearson	Fiona	Sociology	"I'm Just Looking for Some Kind of Understanding": Academic Resources and Campus Culture	\$1,218	
Professor	Penniman	Clayton	Biology	Population Biology of a Red Seaweed, <i>Dasya baillouviana</i> (Rhodophyta, Ceramiales)	\$5,000	
Professor	Perdomo	Oscar	Mathematical Science	Periodic retrograde orbits for comets in our solar system	\$4,500	
Professor	Pozorski	Aimee	English	The Diary of Bobbi Campbell, "AIDS Poster Boy"	\$1,757	
Assistant Professor	Price	William	Geography	A Longitudinal Analysis of the Viability of Industrial Heritage Tourism in Wales	\$4,078	

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Associate Professor	Reeder	Linda	Manufacturing & Construction Management	Colter's Phantom Ranch: Resourceful Design and Construction in a Remote Location	\$4,998	
Assistant Professor	Rein	Thomas	Anthropology	Inferring locomotor adaptation from the primate skeleton	\$1,237	
Associate Professor	Robinson	Christina	Economics	The IMath Experience: A Study from Central Connecticut State University	\$9,000	Liard-Muriente, Carlos
Assistant Professor	Rodriguez	Heather	Sociology	Disrupting Aging in Gerontology: Older Latinas Engagement in Social Activism	\$2,435	
Professor	Saha	Krishna	Mathematical Science	Comparing the Accuracy of Two Diagnostic Tests in the Analysis of CTC Images for Detecting Colon Polyps	\$5,000	
Professor	Shen	Xiaoping	Geography	Elderly People's Perceptions of Senior Housing Facilities in Beijing and the Surrounding Area	\$2,435	
Assistant Professor	Showers	Fumilayo	Sociology	Who Cares for America? African Immigrants and Health Care Work in the United States	\$3,237	

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Assistant Professor	Small	Ivan	Anthropology	Currencies of Imagination	\$1,948	
Professor	Tyson	Ben	Communication	The Effects of Communication Interventions Promoting Land and Water Management in New Zealand	\$5,000	
Associate Professor	Wang	Haoyu	Manufacturing & Construction Management	Tele-robotic repair in space with industrial collaborative robots and Virtual Reality (VR)	\$2,273	
Associate Professor	Wei	Fu-Shang	Engineering	DESIGN OF SERVO-FLAP HELICOPTER BLADES WITH FORWARD SWEPT TIPS	\$5,000	
Professor	Westcott	Barry	Chemistry & Biochemistry	Bacterial separation of lanthanide elements	\$4,875	
Professor	Wiener	Daniel	Counselor Education and Family Therapy	Assessing Mutual Validation from Oral History Interviewing of Couples in Committed Relationships	\$2,431	
Professor	Wizevich	Michael	Geological Sciences	Impact of Subsurface Salt Movement During Deposition of the Early Cretaceous Cedar Mountain Formation, Arches National Park, Utah	\$2,675	

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Assistant Professor	Zalewski	Leanne	Art	French Art, American Patriotism: Collecting Culture in New York, 1867-1893	\$5,000	
Professor	Zlatareva	Neli	Computer Science	Data Integration in Front-End Applications for the Semantic Web	\$2,568	

Total funds awarded: \$332,346