FACULTY ON-CAMPUS GRANT RECIPIENTS

2017-2018

Congratulations to all Award Winners

PI: Dr. Alaeddin Abu-Abed
Co-PI: Dr. Morshed Khandaker, Dr. Hari Kotturi
Title: Enhanced Electrospun Nanofiber System to Improve the Biological and Mechanical Performance of Composite Multilayer Scaffolds
Interdisciplinary Grant
College of Mathematics & Science

PI: Dr. Abdellah Ait Moussa
Title: Biomechanical factors affecting the primary stability and appositional ingrowth within the bone-dental implant interface
Regular Grant
College of Mathematics & Science

PI: Dr. Troy Baird
Title: Signaling, Social Behavior, and Fitness in Male Collared Lizards: Experimental Manipulations in the Field
Regular Grant
College of Mathematics & Science

PI: Dr. David Bass
Title: Macroinvertebrate Community Structure in a Northwestern Oklahoma Spring
Regular Grant
College of Mathematics & Science

PI: Dr. Susan Benson
Co-PI: Dr. LaDonna Atkins, Dr. Linda Sealey
Title: A Collaborative, Theme-based Approach to Teaching Literate Language in a Child Development Classroom
Interdisciplinary Grant
College of Education & Professional Studies

PI: Dr. Kanika Bhargava
Co-PI: Dr. Hari Kotturi
Title: Cinnamon Oil Nanoemulsion to Improve the Microbiological Safety of Sprouts
Interdisciplinary Grant
College of Education & Professional Studies

PI: Dr. Larissa Boyd
Co-PI: Dr. Melissa Powers
Title: Evaluation Sit-To-Stand Workstation Use Among University Faculty
Regular Grant
College of Education & Professional Studies

PI: Dr. Robert Brennan
Co-PI: Dr. Sean Laverty
Title: Extent and Distribution of Ticks and Tick-borne Pathogens in a Rural and Urban Setting in Oklahoma
Interdisciplinary Grant
College of Mathematics & Science

PI: Dr. Michelle Brym
Title: Religion, Ethnic Communities and the Spatial Integration of Immigrants in the Oklahoma City Metropolitan Area
Regular Grant
College of Liberal Arts

PI: Dr. Chris Butler
Title: Identifying the Breeding Grounds of Black Rails Along the Texas Gulf Coast
Regular Grant
College of Mathematics & Science

PI: Dr. Joselina Cheng
Title: A Collaborative Government-University-Industry Model for a STEM Career-Education Pathway: Phase 3: The R&D of Forensic Analytics & Biometrics
Regular Grant
College of Business

PI: Dr. SeonMi Choi
Title: New Disaster Temporary Housing Prototypes: Use of the Network Analysis of Media Content and Case Studies
Regular Grant
College of Fine Arts & Design

PI: Dr. Lilian Chooback
Title: E. Coli Dihydrodipicolinate as a Target for Drug Design
Regular Grant
College of Mathematics & Science

PI: Dr. Allyson Fenwick
Title: Evaluating Geographic and Environmental Factors Influencing Evolution in Multiple Invasions of Mediterranean Geckos, Hemidactylus turcicus
Regular Grant
College of Mathematics & Science

PI: Dr. Michelle Haynie
Title: Cryptic Species and Contact Zones: Using Molecular Markers to Assess Geomys (Pocket Gophers) Genetic Diversity in Oklahoma
Regular Grant
College of Mathematics & Science

PI: Dr. Mohammad Hossan
Co-PI: Dr. Melville Vaughan
Title: The Effect of Joule Heating and Dynamic Cell Assessment in Microfluidic Devices
Interdisciplinary Grant
College of Mathematics & Science

PI: Dr. Yuhao Jiang
Title: X-Ray Fluoroscopy System Optimization
Regular Grant
College of Mathematics & Science

PI: Dr. Morshed Khandaker
Co-PI: Dr. Mohammad Hossan, Dr. Melville Vaughan
Title: The Impact of Laser Assisted Microgrooves on the Immobilization of Nanofibers Matrix and Proteins on Biomaterials
Interdisciplinary Grant
College of Mathematics & Science

PI: Dr. Hari Kotturi
Co-PI: Dr. Morshed Khandaker
Title: The Effect of Multiple Layers of PCL and PEGDA on Differentiation of Human Mesenchymal Stem Cells on Novel PCL-PEGDA Nanofiber Scaffold
Interdisciplinary Grant
College of Mathematics & Science

PI: Dr. Elizabeth Lane-Harvard
Co-PI: Dr. Carol Lucase, Dr. Brad Paynter
Title: Determining the Algebra Concepts Necessary for Calculus Success
Regular Grant
College of Mathematics & Science

PI: Dr. Oksun Lee
Title: Elementary Classroom Teachers’ Attitudes, Approaches, and Needs Toward Art Education in OKC Metropolitan Area
Regular Grant
College of Fine Arts & Design
PI: Dr. Alicia Limke-McLean  
Co-PI: Dr. John Mabry  
*Title: Crossing the (Blue) Line: Law Enforcement Stress, Relationships, and Social Support*  
Interdisciplinary Grant  
College of Education & Professional Studies

PI: Dr. Marvin Ludlum  
Co-PI: Dr. David Chapman, Dr. Allen Arnold, Dr. Stephen Black  
*Title: Counter Terrorism and the Real Estate Development Process*  
Regular Grant  
College of Business

PI: Dr. Sammy Muriithi  
Co-PI: Dr. Willis Mwngola  
*Title: Policy Uncertainty and Firm Performance: A Multilevel Analysis*  
Interdisciplinary Grant  
College of Business

PI: Dr. Mihai Nica  
*Title: Regional Economic Growth: The Role of Government*  
Regular Grant  
College of Business

PI: Dr. Justin Olmstead  
Co-PI: Dr. Randal Ice  
*Title: Insuring Victory: Lloyd's of London and British Policy During the First World War*  
Interdisciplinary Grant  
College of Liberal Arts

PI: Dr. Tess Remy-Schumacher  
*Title: Music for Peace III: A Journey to Self-Expression through Western Music and CD Recording*  
Regular Grant  
College of Fine Arts & Design

PI: Dr. Nikki Seagraves  
*Title: Investigating the Role of Retinoic Acid Signaling in an Avian Model of Maternal Phenylektonuria*  
Regular Grant  
College of Mathematics & Science

PI: Dr. Jessica Sheetz-Nguyen  
Co-PI: Dr. Randal Ice  
*Title: Handbooks for Travel: Women Travelers in Italy during the Long Nineteenth Century*  
Interdisciplinary Grant  
College of Liberal Arts

PI: Dr. Rashi Shukla  
*Title: An Exploratory Examination of Rural Drug Problems in Oklahoma*
regular Grant
College of Liberal Arts

PI: Dr. Rowan Steineker
Title: The Struggle for Schools: Education and Sovereignty in Indian Territory
Regular Grant
College of Liberal Arts

PI: Dr. Melville Vaughan
Co-PI: Dr. Morshed Khandaker
Title: Cellular Responses Induced by Plasma and Cellular Fibronectins on Titanium and Electrospun Nanofiber Membrane
Interdisciplinary Grant
College of Mathematics & Science

PI: Dr. Gang Xu
Co-PI: Dr. Melville Vaughan
Title: Biomechanics of Human Airway Epithelial Cilia
Interdisciplinary Grant
College of Mathematics & Science