FACULTY ON-CAMPUS GRANT RECIPIENTS

2014-2015

Congratulations to all Award Winners

Principal Investigator (PI): Dr. Grant Aguirre-Y-Luker
Co-Principal Investigators (Co-PIs): Dr. Amy Carrell, Corey Hamilton
Title: A Quantitative Analysis of Transformational Learning Techniques in Ethics Instruction in Business and Non-Business Courses
Interdisciplinary Grant
College of Business

Principal Investigator (PI): Dr. Abdellah Ait moussa
Co-Principal Investigator (Co-PI): Dr. Baha Jassemnejad
Title: Improving the performance of Ventricular Assist Devices Through Computational Fluid Dynamics Based Design
Regular Grant
College of Math & Science

Principal Investigator (PI): Dr. Troy Baird
Co-Principal Investigator (Co-PI): Dr. Michelle Haynie
Title: Effects of Ontogenetic Variation in Social Trajectories on Male Fitness: Empirical Tests Using Genetic and Behavioral Data in Free-Ranging Collared Lizards
Regular Grant
College of Math & Science

Principal Investigator (PI): Dr. Kanika Bharagava
Co-Principal Investigator (Co-PI): Dr. Hari Kotturi
Title: Antimicrobial potential of phytochemicals emulsions combined with commercial antimicrobials against Methicillin-Resistant Staphylococcus aureus (MRSA)
Interdisciplinary Grant
College of Education

Principal Investigator (PI): Dr. Len Bogner
Co-Principal Investigator (Co-PI): Dr. Bucky Dodd
Title: Open Micro Courses (OMCs): An Innovation of the Blended Education Design Process at the University of Central Oklahoma
Distance Learning
College of Education

Principal Investigator (PI): Dr. Michelle Brym
Title: Immigration, Ethnicity and Place-Making in the Oklahoma City Metropolitan Area
Regular Grant
College of Liberal Arts
Principal Investigator (PI): Dr. Mariya Burdina  
**Title:** Using Analogies to Assess Students' Knowledge in Business Statistics Course  
SoTL Grant  
College of Business

Principal Investigator (PI): Dr. Chris Butler  
**Title:** Optimizing Black Rail Surveys and Training Students to Conduct Sound Analyses  
Regular Grant  
College of Math & Science

Principal Investigator (PI): Dr. Joselina Cheng  
**Title:** The R&D of a Bridge Program for Teaching and Learning Digital Forensics with Simulation  
Distance Learning  
College of Business

Principal Investigator (PI): Dr. Lilian Chooback  
**Title:** Inhibiting Escherichia coli Dihydricolicinate Synthase: a Path to Drug Design  
Regular Grant  
College of Math & Science

Principal Investigator (PI): Dr. Allyson Fenwick  
Co-Principal Investigator (Co-PI): Dr. Paul Stone  
**Title:** Population genetic structure and gene flow patterns of Mediterranean house geckos, Hemidactylus turcicus, at the University of Central Oklahoma  
Regular Grant  
College of Math & Science

Principal Investigator (PI): Dr. Stefan Genchev  
Co-Principal Investigator (Co-PI): Dr. Stacia Wert-Gray  
**Title:** Emotion-driven outsourcing: lessons from the equine industry  
Regular Grant  
College of Business

Principal Investigator (PI): Dr. Robiul Hossan  
Co-Principal Investigator (Co-PI): Dr. Steven Karpowicz  
**Title:** On-chip detection of phosphorylation specific biomarker protein cardiac troponin I  
Interdisciplinary Grant  
College of Math & Science

Principal Investigator (PI): Dr. Regenia James  
Co-Principal Investigator (Co-PI): Dr. Lisa Lohmann  
**Title:** Urban School and Metropolitan University: Continuing a Partnership in Teacher Education  
Regular Grant  
College of Education

Principal Investigator (PI): Dr. Yuhao Jiang  
**Title:** Image-processing of hepatic lipidosis morphology to guide optimization of photonic-needle assessment of the organ viability for transplant.  
Regular Grant  
College of Math & Science

Principal Investigator (PI): Dr. Veronika Karpenko  
**Title:** What Makes Students More Likely to Consider Psychological Counseling?  
Regular Grant  
College of Education
Principal Investigator (PI): Dr. Steven Karpowicz  
Co-Principal Investigator (Co-PI): Dr Gang Xu,  
Title: Genetic and mechanobiological characterization of cilia function in response to medium viscosity  
Interdisciplinary Grant  
College of Math & Science

Principal Investigator (PI): Dr. Morshed Khandaker  
Co-Principal Investigators (Co-Pls): Dr. Melville Vaughan, Dr. Mohammed Hossan  
Title: Effect of plasma and peening treatments on the improvement of implant/biomaterial interfaces  
Interdisciplinary Grant  
College of Math & Science

Principal Investigator (PI): Dr. Chad King  
Title: Forest Composition, Disturbance, and Growth Dynamics of an Old-Growth Forest in Central Oklahoma  
Regular Grant  
College of Math & Science

Principal Investigator (PI): Dr. Hari Kotturi  
Title: Effect of 3,4',5-trimethoxybenzophenone on Hepatitis C Virus replication and Expression of Putative Cancer Stem Cell-like Cell Markers Induced by Virus  
Regular Grant  
College of Math & Science

Principal Investigator (PI): Dr. Caleb Lack  
Title: Relationship Between Intelligence and Fundamentalist Religious Beliefs in a Community Sample  
Regular Grant  
College of Education

Principal Investigator (PI): Dr. Brian Lamb  
Title: University of Central Oklahoma Wind Symphony Recording Project with UCO Artist-in-residence Valery Kuleshov and Cellist Tess Remy-Schumacher, linked with an assessment of the benefit to student learning and musical development through involvement in creat  
Regular Grant  
College of Fine Arts & Design

Principal Investigator (PI): Dr. Dawn Lindblade  
Co-Principal Investigators (Co-Pls): Dr. Sallie Pollack, Dr. Michael Geib  
Title: Performance and Recording of Contemporary Chamber Music  
Regular Grant  
College of Fine Arts & Design

Principal Investigator (PI): Dr. Tracy Morris  
Co-Principal Investigator (Co-PI): Dr. Cynthia Murry  
Title: Project SCHOLAR: Service Learning Through Statistical Consulting  
Regular Grant  
College of Math & Science

Principal Investigator (PI): Dr. Jacilyn Olson  
Co-Principal Investigator (Co-PI): Dr. Linda Sealey-Holtz  
Title: Combined Physical and Voice Training for Parkinson’s Disease  
Interdisciplinary Grant  
College of Education
**Principal Investigator (PI):** Dr. Teresa Pac  
**Title:** "Art and Urban Space in Late Medieval Bohemia and Poland"  
Regular Grant  
College of Fine Arts & Design

**Principal Investigator (PI):** Dr. Myung Ah (Grace) Park  
**Title:** Building a Student Security Consulting Team for Small Non-Profit Organizations  
Regular Grant  
College of Math & Science

**Principal Investigator (PI):** Dr. Tess Remy-Schumacher  
**Title:** “Music for Peace”: A Public School Initiative & CD Recording  
Regular Grant  
College of Fine Arts & Design

**Principal Investigator (PI):** Dr. Linda Sealey-Holtz  
**Co-Principal Investigator (Co-PI):** Dr. Bucky Dodd  
**Title:** Grammar Knowledge and Response to Instructional Methodology in SLP Curriculum  
Distance Learning  
College of Education

**Principal Investigator (PI):** Dr. Rashi Shukla  
**Title:** Understanding the Methamphetamine Problem  
Regular Grant  
College of Liberal Arts

**Principal Investigator (PI):** Dr. Melville Vaughan  
**Co-Principal Investigator (Co-PI):** Dr. Gang Xu  
**Title:** Measuring Tension within a skin equivalent: effect of tension on cell phenotypes  
Interdisciplinary Grant  
College of Math & Science

**Principal Investigator (PI):** Dr. Gang Xu  
**Co-Principal Investigator (Co-PI):** Dr. Steven Karpowicz  
**Title:** Quantification of flagellar shear stiffness: experimental and computational studies  
Regular Grant  
College of Math & Science