EXTERNAL GRANT RECIPIENTS

FY 2017

Congratulations to all Award Winners

Principal Investigator: (PI)
Co-Principal Investigator: (Co-PI)

PI: Dr. Alaeddin Abu-Abed
Title: Effect of Laser Nanotexturing on the Plasma Nitriding of Titanium
Funding Agency: National Science Foundation (pass-through entity Oklahoma ESPCoR)
College of Mathematics and Science

PI: Dr. Alaeddin Abu-Abed
Title: INBRE Acquisition of a High-Speed Camera to Enhance Biomedical Research at UCO
Funding Agency: National Institutes of Health (pass through OUHSC)
College of Mathematics and Science

PI: Dr. Victoria Arnold
Title: UCO Center for Academic Support, Resource Development, Economic Stability & Student Success (UCO CARES)
Funding Agency: U.S. Department of Education
Student Affairs

PI: Dr. Victoria Arnold
Title: TRIO Absolute Priority 4
Funding Agency: U.S. Department of Education
Student Affairs
PI: Dr. Victoria Arnold
Title: TRIO Student Support Services Latino Americans Motivating, Educating, and Transforming America (SSS LA META)
Funding Agency: U.S. Department of Education (Year 2)
Student Affairs

PI: Dr. Victoria Arnold
Title: TRIO Student Support Services Serving Americas Leaders Using Transformative Education (SSS SALUTE)
Funding Agency: U.S. Department of Education (Year 2)
Student Affairs

PI: Dr. Victoria Arnold
Title: TRIO Student Support Services Student Transformations: Realizing the Importance and Value of Education (SSS STRIVE)
Funding Agency: U.S. Department of Education (Year 2)
Student Affairs

PI: Dr. Victoria Arnold
Title: TRIO Student Support Services SYNergetic Education, Retaining & Graduating You (SSS SYNERGY)
Funding Agency: U.S. Department of Education (Year 2)
Student Affairs

PI: Dr. Victoria Arnold
Title: TRIO Student Support Services Transforming Education, Achieving Community Hope (SSS TEACH)
Funding Agency: U.S. Department of Education (Year 2)
Student Affairs

PI: Dr. Victoria Arnold
Title: TRIO Student Support Services Transformative Education Achieves More (SSS TEAM)
Funding Agency: U.S. Department of Education (Year 2)
Student Affairs

PI: Ms. Ines Burnham
Title: Arts without Limits FY17
Funding Agency: Oklahoma Arts Council
College of Fine Arts and Design

PI: Dr. Jesse Byrne
Title: American Fidelity Foundation Internship
Funding Agency: American Fidelity Foundation (pass-through entity UCO Foundation)
College of Mathematics and Science
PI: Dr. Stephanie Canada-Phillips  
*Title: Honoring the Noble Profession FY17*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Education & Professional Studies

PI: Dr. Wei Chen  
*Title: Combination Treatment with Laser Immunotherapy and Checkpoint Inhibition for Advanced Melanoma*  
Funding Agency: Immunophotonics, Inc.  
College of Mathematics and Science

PI: Dr. Wei Chen  
*Title: Fulbright Visiting Scholar Program for Iraq – Science & Technology*  
Funding Agency: U.S. Department of State (pass-through entity Institute of International Education)  
College of Mathematics and Science

PI: Dr. Wei Chen  
*Title: INBRE Enhancing Laser Immunotherapy by Reduction of TGF-β for Metastatic Cancers*  
Funding Agency: National Institutes of Health (pass-through entity OUHSC)  
College of Mathematics and Science

PI: Dr. Wei Chen  
*Title: INBRE SMaRT Effects of Laser Lights on Cancer Cells*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Mathematics and Science

PI: Dr. Wei Chen  
*Title: INBRE Summer Mentor 2017*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Mathematics and Science

PI: Dr. Wei Chen  
*Title: INBRE Travel Grant*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Mathematics and Science

PI: Dr. Lilian Chooback  
*Title: INBRE Development of New Antibiotics: Inhibiting Escherichia coli Dihydrosperazine Synthase as a Target for Antibiotic Design*  
Funding Agency: OK-INBRE, NIH (pass-through OUHSC)  
College of Mathematics and Science
**PI: Dr. Lilian Chooback**  
*Title: INBRE Travel Grant*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Mathematics and Science

**PI: Dr. Robert Delano**  
*Title: Oklahoma Seat Belt Observation Site Re-selection*  
Funding Agency: U.S. Department of Transportation (pass-through entity Oklahoma Highway Safety Office)  
College of Education and Professional Studies

**PI: Dr. Robert Delano**  
*Title: Oklahoma Statewide Seatbelt Study*  
Funding Agency: U.S. Department of Transportation (pass-through entity Oklahoma Highway Safety Office)  
College of Education and Professional Studies

**PI: Dr. Rachelle Franz**  
*Title: Whole School Whole Community Whole Child Train the Trainer*  
Funding Agency: Tobacco Settlement Endowment Trust (TSET)  
College of Education and Professional Studies

**PI: Dr. Jicheng Fu**  
*Title: INBRE Achieving Practical and Effective Assessment of Power Wheelchair Users’ Activity Levels*  
Funding Agency: National Institutes of Health (pass-through entity OUHSC)  
College of Mathematics and Science

**PI: Dr. Jicheng Fu**  
*Title: INBRE Summer Mentor 2017*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Mathematics and Science

**PI: Dr. Jicheng Fu**  
*Title: Making it Real and Effective for Assessing Power Wheelchair Users' Activity Levels*  
Funding Agency: OK-INBRE, NIH (pass-through entity OUHSC)  
College of Mathematics and Science

**PI: Dr. Sanjeewa Gamagedara**  
*Title: INBRE Development and Validation of a High Performance Liquid Chromatography Method for Quantitative Determination*  
Funding Agency: National Institutes of Health (pass-through entity OUHSC)  
College of Mathematics and Science
PI: Dr. Joseph Grzybowski  
*Title: Cowbird Trapping & Black-Capped Vireo Surveys*  
Funding Agency: Gulf South Research Corporation (pass-through entity US Army Core of Engineers) (Year 3)  
College of Mathematics and Science

PI: Dr. April Haulman  
*Title: Project ENGAGE (Equipping a New Generation for Academic Growth and Excellence)*  
Funding Agency: U.S. Department of Education  
College of Education & Professional Studies

PI: Dr. Mohammad Hossan  
*Title: INBRE Acquisition of Micro-scale Particle Image Velocimetry for Biomedical Research*  
Funding Agency: National Institutes of Health (pass-through entity OUHSC)  
College of Mathematics and Science

PI: Dr. Mohammad Hossan  
*Title: INBRE SMaRT The Impact of Laser Assisted Nanogrooves on the Immobilization of Biomolecules*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Mathematics and Science

PI: Ms. Mary Huffman  
*Title: UCO Fashion Museum Collection: Assessment and Preservation Training*  
Funding Agency: National Endowment for the Humanities  
College of Education & Professional Studies

PI: Dr. Morshed Khandaker  
*Title: Immobilization and Characterization of Metal Oxides in Electrospun Nanofiber for the Detection of Gases*  
Funding Agency: National Science Foundation (pass-through entity Oklahoma ESPCoR)  
College of Mathematics and Science

PI: Dr. Morshed Khandaker  
*Title: INBRE Effect of Nanoscale Surface Treatments on the Biomechanical Performances of Titanium Implant*  
Funding Agency: OK-INBRE, NIH (pass-through OUHSC)  
College of Mathematics and Science

PI: Dr. Morshed Khandaker  
*Title: INBRE SMaRT Histological Examination of Titanium with Bone*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Mathematics and Science
PI: Dr. Jeff King  
*Title: Assessing Student Transformation*  
Funding Agency: U.S. Department of Education (Year 3)  
Academic Affairs

PI: Dr. Hari Kotturi  
*Title: INBRE Release Time*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Mathematics and Science

PI: Dr. Hari Kotturi  
*Title: INBRE Summer Mentor 2017*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Mathematics and Science

PI: Dr. Evan Lemley  
*Title: Nortek Air Solutions Internship Program*  
Funding Agency: Nortek Air Solutions  
College of Mathematics and Science

PI: Mr. Barry Lofton  
*Title: Central Connect Talent Search Program*  
Funding Agency: U.S. Department of Education  
Student Affairs

PI: Mr. Barry Lofton  
*Title: UCO GEAR UP Partnership Summer 2017*  
Funding Agency: U.S. Department of Education (pass-through entity OSRHE)  
Student Affairs

PI: Mr. Barry Lofton  
*Title: UCO Upward Bound Central Prep*  
Funding Agency: U.S. Department of Education  
Student Affairs

PI: Dr. Lisa Lohmann  
*Title: Navigating Severe and Disruptive Behavior in the Classroom*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Education & Professional Studies

PI: Dr. Ronald Miller  
*Title: Be an Engineer: Change the World*  
Funding Agency: Oklahoma State Regents for Higher Education (Year 2)  
College of Mathematics and Science
PI: Ms. Leigha Pemberton  
Title: UCO Military Adaptive Sports Program  
Funding Agency: U.S. Department of Veterans Affairs  
Wellness Center

PI: Dr. Myron Pope  
Co-PI: Mr. Barry Lofton  
Title: Gear UP Central  
Funding Agency: U.S. Department of Education (Year 3)  
Student Affairs

PI: Dr. Myron Pope  
Co-PI: Mr. Barry Lofton  
Title: Upward Bound Classic  
Funding Agency: U.S. Department of Education (Year 5)  
Student Affairs

PI: Dr. Myron Pope  
Co-PI: Mr. Barry Lofton  
Title: Upward Bound Math & Science  
Funding Agency: U.S. Department of Education (Year 5)  
Student Affairs

PI: Ms. Julia Reed  
Title: CHOS Choices  
Funding Agency: National Collegiate Athletic Association  
Student Affairs

PI: Dr. Tess Remy-Schumacher  
Title: Historic Performance Outreach FY17  
Funding Agency: Oklahoma Arts Council  
College of Fine Arts and Design

PI: Dr. Cynthia Rolfe  
Title: AT&T SITE Grant  
Funding Agency: AT&T  
Academic Affairs

PI: Dr. Nikki Seagraves  
Title: INBRE SmART Assessing the Effect of Phenylalanine on Neural Crest Stem Cells  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Mathematics and Science
PI: Dr. Linda Sealey-Holtz  
*Title: Regional Preschool Program-Hearing Impaired*  
Funding Agency: Oklahoma State Department of Rehabilitation Services  
College of Education and Professional Studies

PI: Dr. Susan Scott  
*Co-PIs: Dr. Mark Maddy, Dr. Kim Pennington*  
*Title: Teachers and Leaders Academy FY17*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Education & Professional Studies

PI: Dr. Jessica Sheetz-Nguyen  
*Title: Enhancing Undergraduate Chinese Language and Culture Studies: Integrating Faculty and Curriculum Development*  
Funding Agency: Department of Education (pass-through entity East West Center)  
College of Liberal Arts

PI: Dr. Melville Vaughan  
*Title: INBRE Program Coordinator*  
Funding Agency: OK-INBRE, NIH (pass-through entity OUHSC)  
College of Mathematics and Science

PI: Dr. Melville Vaughan  
*Title: INBRE SMaRT Caffeine effect on migration of precancerous keratinocytes into a collagenous matrix*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Mathematics and Science

PI: Dr. Melville Vaughan  
*Title: INBRE Travel Grant*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Mathematics and Science

PI: Dr. Tyler Weldon  
*Title: Rigor and Reflection: A Model for Developing H.O.T. Teachers*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Education and Professional Studies

PI: Dr. Gregory White  
*Title: Broadway Tonight FY17*  
Funding Agency: Oklahoma Arts Council  
College of Fine Arts and Design
PI: Dr. Gregory Wilson

Title: Smart Start

Funding Agency: Oklahoma Partnership for School Readiness Foundation

Academic Affairs