EXTERNAL GRANT RECIPIENTS

FY 2016

Congratulations to all Award Winners

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

PI: Dr. Alaeddin Abu-Abed
Title: Development of an innovative smart system to produce 3D electrospun fiber scaffold for biomedical applications
Funding Agency: OK-INBRE, National Institute of Health (pass-through entity OUHSC), College of Mathematics & Science

PI: Dr. Victoria Arnold
Title: Student Support Services STEM
Funding Agency: US. Department of Education
Student Affairs

PI: Dr. Victoria Arnold
Title: Student Support Services K-12 Teacher Preparation
Funding Agency: U.S. Department of Education
Student Affairs

PI: Dr. Victoria Arnold
Title: Student Support Services Disabled
Funding Agency: U.S. Department of Education
Student Affairs

PI: Dr. Victoria Arnold
Title: Student Support Services Latino Americans Motivating
Funding Agency: U.S. Department of Education
Student Affairs
**PI: Dr. Victoria Arnold**  
*Title: Student Support Services Traditional*  
Funding Agency: U.S. Department of Education  
Student Affairs

**PI: Dr. Victoria Arnold**  
*Title: Student Support Services Veterans*  
Funding Agency: U.S. Department of Education  
Student Affairs

**Co-PI: Dr. John Barthell**  
**Co-PI: Dr. Baha Jassemnejad**  
*Title: Intern-partnership between UCO, CNI Aviation, and FAA at MMAC in OKC*  
Funding Agency: OCAST  
Academic Affairs

**PI: Dr. John Barthell**  
*Title: REU Site: Synergistic Studies of Honey Bees in the Republic of Turkey*  
Funding Agency: National Science Foundation  
College of Mathematics & Science

**PI: Ms. Ines Burnham**  
*Title: Arts Without Limits*  
Funding Agency: Oklahoma Arts Council  
College of Fine Arts & Design

**PI: Dr. Christopher Butler**  
*Title: Status of Birds in Region 6*  
Funding Agency: U.S. Fish and Wildlife Service (Year 4)  
College of Mathematics & Science

**PI: Dr. Stephanie Canada-Phillips**  
*Title: Honoring a Noble Profession*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Education & Professional Studies

**PI: Dr. Wei Chen**  
*Title: Control of tumor metastasis using carbon nanotube and immunostimulant*  
Funding Agency: (SMaRT) OK-INBRE Oklahoma State Regents for Higher Education  
College of Mathematics & Science

**PI: Dr. Wei Chen**  
*Title: Effects of interstitial inCVAX for the treatment of metastatic tumors in rats,*  
Funding Agency: Confluence Discovery Technologies  
College of Mathematics & Science
PI: Dr. Wei Chen
Title: Effect of tumor microenvironment on the treatment of metastatic cancers
Funding Agency: OK-INBRE, National Institute of Health (pass-through entity OUHSC)
College of Mathematics & Science

PI: Dr. Wei Chen
Title: IIE Fulbright – Iraq Visiting Scholar
Funding Agency: Institute of International Education
College of Mathematics & Science

PI: Dr. Wei Chen
Title: INBRE Travel Grant
Funding Agency: National Institute of Health
College of Mathematics & Science

PI: Dr. Wei Chen
Title: Phototherapy for metastatic breast cancer using immunologically modified carbon nanotubes
Funding Agency: OCAST
College of Mathematics & Science

PI: Dr. Wei Chen
Title: Summer Mentor Program, OK-INBRE
Funding Agency: National Institute of Health (pass-through entity OUHSC)
College of Mathematics & Science

PI: Dr. Joselina Cheng
Title: CSI: A High School Summer Forensics Academy
Funding Agency: Oklahoma State Regents for Higher Education
College of Business

PI: Dr. Joselina Cheng
Title: Digital Forensics Summer Academy
Funding Agency: Oklahoma State Regents for Higher Education
College of Business

PI: Dr. Joselina Cheng
Title: Sustainable Technologies for an interactive STEM e-Book
Funding Agency: National Science Foundation (pass-through entity EPSCoR)
College of Business

PI: Dr. SeonMi Choi
Title: Augmented Reality Technology as a New Teaching & Learning Tool
Funding Agency: International Interior Design Association
College of Fine Arts & Design
PI: Dr. Lilian Chooback  
*Title: Lysine Biosynthetic Pathway: A Path to Drug Design*  
Funding Agency: OK-INBRE, National Institute of Health (pass-through entity OUHSC)  
College of Mathematics & Science

PI: Dr. Lilian Chooback  
*Title: Inhibition and structural Studies of Dihydridipicolinate Synthase*  
Funding Agency: OK-INBRE, Oklahoma State Regents for Higher Education  
College of Mathematics & Science

PI: Dr. Robert Delano  
*Title: Oklahoma Pickup Truck Seat Belt Usage Survey 2016*  
Funding Agency: Oklahoma Highway Safety Office  
College of Education & Professional Studies

PI: Dr. Robert Delano  
*Title: Statewide Seatbelt Observation Study 2016,*  
Funding Agency: Oklahoma Highway Safety Office  
College of Education & Professional Studies

PI: Ms. Pamela Edwards  
*Title: Upward Bound Classic 2012*  
Funding Agency: U.S. Department of Education (Year 4)  
Student Affairs

PI: Dr. Shawn Ellis  
*Title: Towards the construction of artificial muscles using novel host-guest systems*  
Funding Agency: OK-INBRE, National Institute of Health (pass-through entity OUHSC)  
College of Mathematics & Science

PI: Dr. Jicheng Fu  
*Title: Personalized pressure ulcer prevention for spinal cord-injured wheelchair users*  
Funding Agency: OK-INBRE, National Institutes of Health (pass-through entity OUHSC)  
College of Mathematics & Science

PI: Dr. Joseph Grzybowski  
*Title: Cowbird Trapping and Black-capped Vireo Monitoring, Ft. Sill, OK*  
Funding Agency: US Army Core of Engineers (Tulsa) (pass-through entity Gulf South Research Corporation)  
College of Mathematics & Science

PI: Dr. Maurice Haff  
*Title: Value Proposition Development ParaNano, LLC*  
Funding Agency: Venture Well  
College of Business
PI: Ms. Sandra Kent  
*Title: Oklahoma A+ Schools*  
Funding Agency: Oklahoma State Department of Education  
Academic Affairs

PI: Dr. Morshed Khandaker  
*Title: Acquisition of EXAKT systems for histological analysis of bone w/metal implant*  
Funding Agency: OK-INBRE, National Institute of Health (pass-through entity OUHSC)  
College of Mathematics & Science

PI: Dr. Morshed Khandaker  
*Title: INBRE Travel Grant*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Mathematics & Science

PI: Dr. Lisa Lohmann  
*Title: Navigating Severe and Disruptive Behaviors 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  
College of Mathematics & Science

PI: Dr. Ronald Miller  
*Title: Forensic Engineering Explorations*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Mathematics & Science

PI: Ms. Angela Morris  
*Title: Broadway Tonight FY16*  
Funding Agency: Oklahoma Arts Council  
College of Fine Arts & Design

PI: Dr. Tracy Morris  
*Title: Transforming Undergraduate Statistics Education at Primarily Undergraduate Institutions through Experiential Learning*  
Funding Agency: National Science Foundation  
College of Mathematics & Science

PI: Dr. Erika Olinger  
*Title: Cleveland County Juvenile Drug Court Evaluation & Consultation*  
Funding Agency: OK Dept. of Mental Health & Substance Abuse  
College of Education & Professional Studies
PI: Ms. Leigha Pemberton  
*Title: Adaptive Sports Programs for Disabled Veterans*  
Funding Agency: Department of Veteran Affairs  
UCO Wellness Center

PI: Ms. Leigha Pemberton  
*Title: Edmond Convention and Visitors Bureau Grant*  
Funding Agency: City of Edmond  
UCO Wellness Center

PI: Ms. Leigha Pemberton  
*Title: Rio 2016 Paralympic Games*  
Funding Agency: U.S. Olympic Committee  
UCO Wellness Center

PI: Dr. Myron Pope  
Co-PI: Mr. Barry Lofton  
*Title: GEAR UP Central*  
Funding Agency: U.S. Department of Education (Year 2)  
Student Affairs

PI: Dr. Myron Pope  
Co-PI: Ms. Rosario Riley  
*Title: Upward Bound Math & Science*  
Funding Agency: U.S. Department of Education (Year 4)  
Student Affairs

PI: Dr. Melissa Powers  
*Title: Center for Active Living & Learning Health Promotion Programming*  
Funding Agency: Areawide Aging Agency  
College of Education & Professional Studies

PI: Dr. Travis Roach  
*Title: The Costs of Seismicity: A Hedonic Analysis*  
Funding Agency: National Science Foundation (pass-through entity Oklahoma ESPCoR)  
College of Business

PI: Dr. Nikki Seagraves  
*Title: Mechanism of Cardiac Teratogenicity in an Avian Model of Maternal PKU*  
Funding Agency: OK-INBRE, National Institute of Health (pass-through entity OUHSC)  
College of Mathematics & Science

PI: Dr. Nikki Seagraves  
*Title: Molecular and Histological Characterization of Heart Defects in an Avian Model of MPKU*  
Funding Agency: (SMaRT) OK-INBRE, Oklahoma State Regents for Higher Education  
College of Mathematics & Science
PI: Dr. Susan Scott  
*Title: Teachers and Leaders Academy*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Education & Professional Studies

PI: Dr. Linda Sealy  
*Title: Reg. Preschool Program for Hearing Impaired*  
Funding Agency: Dept. of Rehabilitation Services (Year 12)  
College of Education & Professional Studies

PI: Dr. Heidi Vaughn  
*Title: History Museum’s 100th Anniversary*  
Funding Agency: Oklahoma Humanities Council  
College of Liberal Arts

PI: Dr. Mel Vaughan  
*Title: INBRE Equipment Grant*  
Funding Agency: OK-INBRE  
College of Mathematics & Science

PI: Dr. Mel Vaughan  
*Title: INBRE Program Coordinator*  
Funding Agency: OU Health Sciences Center  
College of Mathematics & Science

PI: Dr. Mel Vaughan  
*Title: Oklahoma IDeA network of Biomedical Research Excellence*  
Funding Agency: Oklahoma State Regents for Higher Education  
College of Mathematics & Science

PI: Dr. Melville Vaughan  
*Title: Summer Mentor Program, OK-INBRE*  
Funding Agency: National Institute of Health (pass-through entity OUHSC)  
College of Mathematics & Science

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

PI: Dr. Gang Xu  
*Title: Acquisition of an OCT Imaging System for Biomedical Research and Teaching*  
Funding Agency: OK-INBRE, National Institute of Health (pass-through entity OUHSC)  
College of Mathematics & Science
PI: Dr. Gang Xu
Title: INBRE Travel Grant
Funding Agency: Oklahoma State Regents for Higher Education
College of Mathematics & Science