Congratulations to the Recipients of the 2011-2012 Student RCSA Grant Awards

Title: “Understanding the Dialectical Tensions Negotiated by African American Female Minority Entrepreneurs”
Student: Peggy Anderson
Mentor: Dr. Jeanetta Sims

Title: “Experimental Investigation of Fluid Flow in Biomedical Tissue Scaffolds”
Student: Grant Armstrong
Mentor: Dr. Evan Lemley

Title: “Advertising’s Affect on Consumer Behavior: Target Specific versus General Preference”
Student: Britney Becker
Mentor: Dr. Mickie Vanhoy

Title: “Habitat Use, Survivorship and Winter Ecology of Yellow Rails (Coturnicops Noveboracensis) in Oklahoma”
Student: Erica Becker
Mentor: Dr. Chris Butler

Title: “Use of Exogenous Jasmonic Acid Treatment to Promote Drought Tolerance in Switchgrass”
Student: Jocelyn Bidlack
Mentor: Dr. Jim Bidlack

Title: “The Economic Impact of Wind Farms in Oklahoma: A Woodward Case Study”
Student: Preston Bogle
Mentor: Dr. Douglas Hurt

Title: “First Impressions: The effect of Perceived Micro-Expressions on the Attitudes of Others”
Student: Savannah Brand
Mentor: Dr. Robert Mather

Title: “Fostering Local Creative Talent through Songwriting and Performance”
Student: Elspeth Brown
Mentor: Dr. Thomas McCullough

Title: “Lysine Biosynthesis Using α-Aminoadipate Pathway for Characterizing ARO9”
Student: Christina Bruxvoort
Mentor: Dr. Lilian Chooback

Title: “George Joachim Goschen: Lloyds of London and the Admiralty, Crossroads of Imperial Power”
Student: Justin Burch
Mentor: Dr. Jessica Sheetz-Nguyen

Title: “Promises and Reality: New Perspectives on Chinese Legal Reform”
Student: Jia Chen
Mentor: Dr. Xiao-Bing Li

Title: “An Evaluative of Sample Preparation Techniques: Analysis of Cocaine in Hair”
Student: Sherrita Commey
Mentor: Dr. Robert Bost

Title: “Financial and Political Ties between Lloyd’s of London and British Parliament in the Early Nineteenth Century”
Student: Chase Cooter
Mentor: Dr. Randal Ice
Title: “Germany Meets the American Southwest”  
Student: Matthew Corpolongo  
Mentor: Dr. Michael Springer

Title: “He Got What He Deserved: Masculinity Threat and Hate Crime Location as Functions of Victim Blame and Perpetrator Punishment”  
Student: Chad Cotner  
Mentor: Dr. Robert Mather

Title: “Body Composition in Division II Football Players”  
Student: Dalton Delaney  
Mentor: Dr. Greg Farnell

Title: “Domesticity in the Age of Victoria: Working Women and Respectable Households”  
Student: Stephanie Diaz  
Mentor: Dr. Jessica Sheetz-Nguyen

Title: “Perceptual Affects of Power on Sexuality”  
Student: Kayla Dodson  
Mentor: Dr. Gabriel Rupp

Title: “Redesign of an Existing Temporary Safe Shelter to be Used as a Long-term Community Safe Shelter”  
Student: Xiaoqian Dong  
Mentor: Ms. Rukmini Ravikumar

Title: “The Effects of Yoga on General Well-being among University students in the Midwest”  
Student: Avy Doran  
Mentor: Dr. Diane Rudebock

Title: “The Quest for Finding Attitudes towards Illegal Immigration in the U.S.”  
Student: Yaser Dorri  
Mentor: Dr. Mickie Vanhoy

Title: “Hiding Emotions: Differences with Inhibiting Emotional Facial Expressions between Sexes”  
Student: Kiersten Durning  
Mentor: Dr. Robert Mather

Title: “The Oratorio Database”  
Student: Kristina Eckelhoff  
Mentor: Dr. Robert Glaubitz

Title: “Level of Triclosan and Its' Effects on the Micro Biota Commonly Found in Rivers where Treated Waste Water Effluent is Released”  
Student: Steven Everman  
Mentor: Dr. Robert Brennan

Title: “Improving Exercise Compliance for Diabetics”  
Student: Pam Farris  
Mentor: Dr. Melissa Powers

Title: “Elephant Footprints: Individual Characteristics”  
Student: Stacy Fox  
Mentors: Dr. William Caire, Dr. Christopher O'Brien, and Dr. Gloria Caddell

Title: “The Undergraduate Research Assistantship: A Mutually-Beneficial Learning Experience for both Faculty Mentors and Creative Students”
Student: Katerina Gabrovska  
Mentor: Dr. M. Suzanne Clinton  
Title: "The Comparison of the HUMAC Balance System, Berg Balance Scale, and Fullerton advanced Balance Scale for the Assessment of Balance of Senior Adults"  
Student: Kayla Garver  
Mentor: Dr. Melissa Powers  
Title: "Defining Design Parameters for a Profitable E-Commerce Environment"  
Student: Adam Gault  
Mentor: Professor Rukmini Ravikumar  
Title: "Myofibroblast's Capability to Support or to Inhibit Tumorigenesis"  
Student: Lanice George  
Mentor: Dr. Melville Vaughan  
Title: "Development of Interstitial Laser Immunotherapy for the Treatment of Metastatic Tumors"  
Student: Jessica Goddard  
Mentor: Dr. Wei Chen  
Title: "Scientific Language and Anthropomorphism"  
Student: Jennifer Goudge  
Mentor: Dr. Gabriel Rupp  
Title: "Comparative Analysis between US and North Korean Intelligence Services"  
Student: Charles Heaverin  
Mentor: Dr. Xiao-Bing Li  
Title: "Experimental Investigation of Laminar Flow through PDMS"  
Student: Andrew Henderson  
Mentor: Dr. Evan Lemley  
Title: "Genetic Variation at Major Histocompatibility Complex Loci in Neotoma Albigula (White-throated Woodrat): Potential Clues to the Evolution of North America Arenaviruses"  
Student: Sarah Hoss  
Mentor: Dr. Michelle Haynie  
Title: "Matter Over Mind: Study of Physical Exertion on Cognition"  
Student: Ashley House  
Mentor: Dr. Mickie Vanhoy  
Title: "Differential Decomposition between a Peri-Troglozone and the Short-Grass Plains Northern Oklahoma"  
Student: Sascha Huang  
Mentor: Dr. Christopher O'Brien  
Title: "Comparing Frog Species Diversity in Man-made Wetlands and Natural Wetlands"  
Student: Katrina Hucks  
Mentor: Dr. Chris Butler  
Title: "Images and Pictures"  
Student: William Huffman  
Mentor: Dr. Thomas Hancock  
Title: "Basement Membrane Contravention from Pre-Cancerous Keratinocytes Treated with TFG-B"  
Student: Lindsay Hughes  
Mentor: Dr. Melville Vaughan
Title: "Local Hemodynamics in Intracranial Saccular Aneurysms"
Student: Yiyuan Jia
Mentor: Dr. Jaehoon Seong

Title: "Use of Plant Pigments for Dye-Sensitized Solar Cells"
Student: Brett Jones
Mentor: Dr. James Bidlack

Title: "Empathy and Perceived Location of Self"
Student: Katie Jones
Mentor: Dr. Mickie Vanhoy

Title: "Continued Evaluation of the Effectiveness of Three Ecological Niche Models in Predicting the Distribution of a Rare Plant Species"
Student: Eric Judd
Mentor: Dr. Chris Butler

Title: "Examining the Extend of Hummingbird Hybridization in Oklahoma and Texas"
Student: Erica Judd
Mentor: Dr. Chris Butler

Title: "Improving Strength and Body Composition through Physical Activity for Adults with Mental Disorders"
Student: Tyler Karnes
Mentor: Dr. Melissa Powers

Title: "Relationships between Power, Velocity, and Takedown Success in Division Two Collegiate Wrestlers"
Student: Clayton Key
Mentor: Dr. Paul House

Title: "Narrative Realism from the Media, and how it affects Children and Adolescent's Perception on Romance"
Student: Sarah Kimbrell
Mentor: Dr. Alicia Limke

Title: "Comparison of Punching Velocity and Power Among Various Martial Arts Groups"
Student: Jimmy King
Mentor: Dr. Paul House

Title: "Response to Intervention: Transforming the Future of Education"
Student: Brittani Lester
Mentor: Dr. Debbie Barker

Title: "Students' Perceived Advantages of Belonging to Learning Communities at the University of Central Oklahoma"
Student: Rhythm Madden
Mentor: Dr. Mike Nelson

Title: "Investigating the Operatic Aria: A Contribution to the Aria Database"
Student: Emerald McBride
Mentor: Dr. Robert Glaubitz

Title: "The Struggles of Women Mathematicians: Can We Prevent Them?"
Student: Rebecca Miller
Mentor: Dr. Charlotte Simmons

Title: "Cross Cultural Comparison of the Development of Socialism in Oklahoma and Vietnam"
Student: Michael Molina
Mentor: Dr. Xiao-Bing Li
Title: “Underrepresentation of Students from Low Socioeconomic Status: Improving the Benefits of Degree Attainment”
Student: Jacquelyn Moye
Mentor: Dr. Tamara Reeves

Title: “The Moving Apocolypse”
Student: Alana Murray
Mentor: Professor Tina Kambour

Student: Ane Joan Muvadgah
Mentor: Dr. Evan Lemley

Title: “Applied Archival Research in London: Martineau on Feminism, Science, and Morality”
Student: Ashley Nelson
Mentor: Dr. Jessica Sheetz-Nguyen

Title: “The Effect of Bitter Melon Extract on Activation of NF-kB in vitro Using HEK 293 Cells”
Student: Charles Nguyen
Mentor: Dr. Hari Kotturi

Title: “Locating the Wintering Grounds of Yellow Rails (Corunicops noveboracensis) Breeding in Eastern Canada”
Student: Son Nguyen
Mentor: Dr. Chris Butler

Title: “Social Competence Program for College Students Participating in the University of Central Oklahoma (UCO) Autism Support Program”
Student: Margarita Nuhfer
Mentor: Dr. Donna Kearns

Title: “Quantitation of Insect DNA: Forensic Implications”
Student: Elizabeth O’Bannon
Mentor: Dr. Wayne Lord

Title: “Myofibroblast Proliferation”
Student: Tobi Odejimi
Mentor: Dr. Melville Vaughan

Title: “Showing Existence of Fourth Order Differential Equations on Time Scales”
Student: Albert Orock
Mentor: Dr. Britney Hopkins

Title: “Leadership Types and Influence Tactics”
Student: Jade Pech
Mentor: Dr. Holly Osburn

Title: “Phylogeography of Sonoran Mud Turtles in a Fragmented Landscape”
Student: Samantha Peno
Mentor: Dr. Michelle Haynie

Title: “The Effect of Meal Patterns on Calories Burned”
Student: Katie Puckett
Mentor: Dr. Tawni Holmes
Title: “Geomyces destructans Antibodies in Oklahoma Bats”
Student: Nicholas Pugh
Mentor: Dr. Robert Brennan

Title: “Spatial Abilities of the Self Concept”
Student: Bruce Rehburg
Mentor: Dr. Mickie Vanhoy

Title: “Affects of Stress on Racism: A implicit Association Test Using the Understanding of Terror Management Theory”
Student: Trey Ridlen
Mentor: Dr. Mickie Vanhoy

Title: “Do STEM Academies Influence Students’ Attitudes and Engagement? A Look at the Oklahoma STARTBASE Program”
Student: Lowell Robertson
Mentor: Dr. Mike Nelson

Title: “Perception of Passive Comments and Implicit Self-Esteem”
Student: James Rose
Mentor: Dr. Robert Mather

Title: “Genetic Evaluation of a Neotoma micropus/Neotoma floridana Hybrid Zone: Twenty Years Later”
Student: Ethan Rowell
Mentor: Dr. Michelle Haynie

Title: “GIS for Cultural and Historical Resource Management”
Student: Brian Russell
Mentor: Dr. Brad Watkin

Title: “The Spectrum Suite”
Student: Jessica Russell
Mentor: Dr. Thomas McCullough

Title: “Effects of Bitter Melon (Momordica charantia) Extract on Expression of Multi-Drug Resistant Efflux Pumps in (Staphylococcus aureus)”
Student: Ayesha Sahi
Mentor: Dr. Hari Kotturi

Title: “Rehabilitation of Historic Interior Spaces: A Case Study Addressing Social Implications in Havana, Cuba”
Student: Melissa Santana
Mentor: Professor Valerie Settles

Student: Rainer Scarton
Mentor: Dr. Marty Ludlum

Title: “Creating a Seamless Transition from High School to College for Students on the Autistic Spectrum”
Student: Jake Schoenhals
Mentor: Dr. Mary Sweet-Darter

Title: “Autonomous Wireless Power Control System for Implantable Devices”
Student: Shams Shahadat
Mentor: Dr. Baha Jassemnejad
Title: “We are Collages”  
Student: Melissa Sluice  
Mentor: Professor Tina Kambour

Title: “Issues Involving the Aging Prison Population in the Oklahoma Department of Corrections”  
Student: Melissa Smith  
Mentor: Dr. Rashi Shukla

Title: “Green Tea Extract’s Properties: Inhibiting Dupuytren's Disease Myofibroblasts”  
Student: Chelsea Spencer  
Mentor: Dr. Melville Vaughan

Title: “The Effects of Team Building Practices on Diversity Focusing on Team Creation”  
Student: David Stamper  
Mentor: Dr. Jennifer Barger

Title: “The Use of Ecological Niche Modeling of the Emerging Infectious Parasite, Angiostrongylus cantonensis”  
Student: Emily Stine  
Mentor: Dr. Wayne Lord

Title: “Gender Wage Inequality: How Pervasive is it and what is the EEOC Doing about It?”  
Student: Jennifer Stringham  
Mentor: Dr. Elizabeth Overman

Title: “Evaluation of Nanocomposite Bone Cement Cytotoxicity Level”  
Student: Stefano Tarantini  
Mentor: Dr. Morshed Khandaker

Title: “The effect of Wind on Blow Fly (Diptera: Calliphoridae) Oviposition in Oklahoma and Its Implications to Forensic Science”  
Student: Kendra Tholt  
Mentor: Dr. Christopher O'Brien

Title: “The Effectiveness of Marketing Promotion Techniques: Coupon, Mail-in Rebate, and In-Store Voucher”  
Student: Fong Teng U  
Mentor: Dr. Thanh V. Tran

Title: “Observation of Siheyuan in Beijing China for Continued Residential use in Modern China”  
Student: Guanqun Wang  
Mentor: Professor Rukmini Ravikumar

Title: “Arts Education and Socioeconomic Status in Oklahoma City Public Schools: Comparing and Contrasting Curricula and Investigating Opportunities for Improvement”  
Student: Samuel Wargin  
Mentor: Dr. Amanda Miller

Title: “Measuring Arousal as a Function of Narrative Voice”  
Student: David Weed  
Mentor: Dr. Caleb Lack

Title: “Production and Comparison of Three Habitat Suitability Maps for the Imperiled Lace Hedgehog Cactus Echinocereus reichenbachii”  
Student: Eric Wheeler  
Mentor: Dr. Brooke Stabler
Title: “Effects of Light Emitting Diodes (LED) Low Level Photonic Stimulation upon Myofibroblasts”
Student: Jeremiah White
Mentor: Dr. Melville Vaughan

Title: “Design of an Interactive Interface of World Diplomatic Relations”
Student: James Williams
Mentor: Dr. Kenneth Kickham

Title: “How Physical Skills Training Benefits a Student’s Safety and Employment Opportunities”
Student: Erick Wolfe
Mentor: Dr. Donald Bristow

Title: “Influence of Operational Sex Ration on the Intensity of Sexual Selection in Male Collared Lizards”
Student: Josh York
Mentor: Dr. Troy Baird