

STUDENT RCSA GRANT AWARDS

2019-2020

Congratulations to all Award Winners!

College Of Business Administration

Title: "Effect Of The Lawsuits On The Companies` Stock Prices"

Author: Daria Khmelova

Mentor: Dr. Darrell Ford

Title: "How Do Certain Exogenous Events Affect The Price Of Publicly Traded Utility Stock?"

Author: Tyler Nicholson

Mentor: Dr. Zhen Zhu & Dr. Kuang-Chung Hsu

Title: "Accounting Conservatism And Debt Structure"

Author: Victory Ogubanwo

Mentor: Dr. Yinghong Zhand & Dr. Edward Walker

Title: "Is Click And Collect An Effective Strategy To Implement To Increase Consumers` Willingness To Buy?"

Author: Taylor Patry

Mentor: Dr. Thanh Tran

College Of Education And Professional Studies

Title: "How Childhood Trauma Impacts Collegiate Students

Author: Anna Amorpour

Mentor: Professor Steven Dunn

Title: "Trauma And Functional Fixedness"

Author: Jaely Deleon

Mentor: Dr. Adam Randell

Title: "High Stress Situations And Trauma, Coping Mechanisms, And Implementation Of Healthy Coping Mechanisms"

Author: Carla Diaz

Mentor: Dr. Janelle Grellner

Title: "Own-Age Bias And Eyewitness Memory"

Author: Courtlyn Elkins

Mentor: Dr. Nora Gayzur

Title: "Application Of Oregano Oil Nanoemulsion To Control Foodborne Bacteria Such As Listeria Sp. And Salmonella Sp. On Cherry Tomatoes"

Author: Anam Fatima

Mentor: Dr. Kanika Bhargava

Title: "Guilty Until Proven Innocent: Jurors' Perceptions Of Culpability When Legalized Marijuana Is Used"

Author: Ebony Harrington

Mentor: Dr. Alicia Limke Mclean

Title: "Exploring The Numeracy In Risk Assessment"

Author: Taro Iwase

Mentor: Dr. Michelle Johnson

Title: "Comparing The Effects On Power During An Aquatic And Land Pylometric Intervention"

Author: Landon Jackson

Mentor: Dr. Larissa Boyd, Dr. Jacilyn Olson, Dr. Tawni Holmes

Title: "Ease Of Imagery Production And Putting Performace In Collegiate Golfers"

Author: Alexander London

Mentor: Dr. Brady Redus

Title: "Increasing Medical Students' Exposure To The BGLTQ+ Community In Their College Ciriuculums"

Author: Anamarie Lopez

Mentor: Dr. Lorry Youll

Title: "Determining The Awareness Of The Psychological Implication For Individuals With Disfluent Speech Disorder Amongst Psychology Majors At The University Of Central Oklahoma"

Author: Karissa Marion

Mentor: Dr. Linda Sealey

Title: "Hey Google! How Digital Assistants Influence Memory"

Author: Tristan Mautz

Mentor: Dr. Thomas Hancock

Title: "To What Extent Does Fostering Impact The Foster Parent Marital Relationship And What Should A Family Life Educator Do About It?"

Author: Hailey McClain

Mentor: Dr. Brandon Burr And Dr. Glee Bertram

Title: "Role Of Sex Education In College Students"

Author: Ashley Middleton

Mentor: Dr. Lorry Youll And Dr. Lindsey Churchill

Title: "Inclusive Medical Practices In The US: BGLTQ+ Community"

Author: Joshua Mitchell-Arbital

Mentor: Dr. Lorry Youll And Dr. Lindsey Churchill

Title: "Task Complexity In Visual Search"

Author: Theodore Mofle

Mentor: Dr. Mickie Vanhoy

Title: "A Street Car Named Envy And Aggression"

Author: Leila Murphy

Mentor: Dr. Adam Randell

Title: "Gaming Couples: Can Online Gaming Be Beneficial For Offline Couple's Relationships?"

Author: Thy Hoang Mai Nguyen

Mentor: Dr. Alicia Limke Mclean

Title: "Can Assignments Lead To Personal Growth And Development"

Author: Kaylan Peterson

Mentor: Professor Steven Dunn

Title: "Validation Of A New Social Self-Efficacy Scale (SSE-1)"

Author: Vincent Pinion

Mentor: Dr. Mark Hamlin

Title: "Effects Of Priming On Perceiving Characteristics Of Child Abductors"

Author: Taylor Pjesky

Mentor: Dr. Robert Mather

Title: "The Influence Of Juror's Notetaking On Other Juror's Memory For Testomy"

Author: Caitlin Pratt

Mentor: Dr. Jaclyn Maass

Title: "Independence Of Romance: A Behavioral Study"

Author: Rachel Rishbieter

Mentor: Professor Steven Dunn

Title: "Object Recognition Software Vs. The Human Visual System: Assessing Accuracy And Speed"

Author: Kelly Rogers

Mentor: Dr. Tephillah Jeyaraj-Powell

Title: "Development And Quality Evaluation Of Wheat Bread Formulated With Germinated Lentils"

Author: Komal Singh Sohi

Mentor: Dr. Kanika Bhargava

Title: "Sancity And Self-Protection: Linking Moral Foundations Theory And Fundamental Motives"

Author: Breanna Wedde

Mentor: Dr. Adam Randell

Title: "What Is The Relationship Between Task Context And Recall Accuracy?"

Author: Hannah Whitten

Mentor: Dr. Mickie Vanhoy

Title: "Multilingualism And Cognitive Performance"

Author: Kaycee Williams

Mentor: Dr. Gabriel Rupp

College Of Fine Arts And Design

Title: "To Buy, Or Not To Buy"

Author: Ryan Addis

Mentor: Professor David Webber And Professor Michael Litzau

Title: "Oliver Goes: Off World"

Author: Adam Coe

Mentor: Professor Amy Johnson

Title: "Tough Cookie: The Development Of Mental Toughness In Elementary School Children"

Author: Katherine Pitzer

Mentor: Professor Amy Johnson

Title: "Bringing Opera To The Masses: A New Translation For La Serva Padrona"

Author: Ethan Snowden

Mentor: Dr. Robert Glaubitz

Forensic Science Institute

Title: "Search For Angiostrongylus Cantonensis In Oklahoma Terrestrial Snails"

Author: Amber Lemons

Mentor: Dr. Wayne Lord & Dr. Chris Butler

College Of Liberal Arts

Title: "The Thorny Subject Of Propoganda In World War II"

Author: Beth Anderson

Mentor: Dr. Jessica Sheetz-Nguyen

Title: "Byron's 'Cain: A Mystery': A Call For Revolution"

Author: Brittany Barlow

Mentor: Dr. Jessica Sheetz-Nguyen

Title: "University Closet Impact On Community's Quality Of Life"

Author: Olliever Buchanan

Mentor: Dr. Lindsey Churchill And Dr. Lorry Youll

Title: "Emotional Labor And The Work Of The Funeral Director: A Qualitative Study Of The Management Of Feelings Among Recently Licensed Funeral Directors"

Author: Cami Cho

Mentor: Dr. Gary Steward & Dr. John Fritch

Title: "The Tools We Have: Using Intersectionality To Deconstruct Mainstream Feminism"

Author: Asja Cole

Mentor: Dr. Timothy Petete

Title: "Examining The Rhetoric Of Oklahoma City's Development And Dentrification"

Author: Anna Dore

Mentor: Dr. Leslie Similly

Title: "Intersections Between Queerness And Religion"

Author: Abigail Griffin

Mentor: Dr. Iliana Rocha

Title: "Toxic Masculinity's Influence Of Gendered Partion Violence In Punjab"

Author: Kelin Hanley

Mentor: Dr. Justin Olmstead

Title: "Conversion/Reparative Therapy Oral History Documentary"

Author: Shelby Hedges

Mentor: Dr. Lindsey Churchill

Title: "Sexual Education Within The Methodist Community In Edmond"

Author: Lyric Manns

Mentor: Dr. Lindsey Churchill And Dr. Lorry Youll

Title: "Witchcraft And Queerness: Representations Of Sexuality In The Salem Witch Trials"

Author: Lilith Moore

Mentor: Dr. Lindsey Churchill

Title: "Human Trafficking In The United States: Strategizing For The Future"

Author: Jennifer Phillips

Mentor: Dr. Lindsey Churchill

Title: "U.S. Policy Concerning Tibet"

Author: Bailey Pope

Mentor: Dr. Xiaobing Li

Title: "Tradition Machismo And Intimacy In The Relationships Of Mexican And Mexican-American Students"

Author: Marco Salas

Mentor: Dr. Lindsey Churchill And Professor RJ Woods

Title: "Mirrored Realities: A Historical Analysis Of Literary And Cinematic Depictions Of Lower-Class Women In The Victorian Era"

Author: Heather Scheele

Mentor: Dr. Jessica Sheetz-Nguyen

Title: "Spell-Binder: A Fantasy Novel"

Author: Carson Sommer

Mentor: Dr. Iliana Rocha

Title: "Folk Stories And Folk Art Through The Lens Of James Legge"

Author: Grace Wray

Mentor: Dr. Jessica Sheetz-Nguyen

Title: "The Future Of Confucius Institutes/ Confucius Classrooms In The United States"

Author: Kui Zhuo

Mentor: Dr. Ziaobing Li

College Of Mathematics And Science

Title: "Developmental Study Of The Cochlea In Chicken Embryo Using Optical Coherence Tomography"

Author: Petral Abongya Abong

Mentor: Dr. Scott Mattison

Title: "Determining The Effects Of Myosin Light Chain Kinase And Myosin Light Chain Phosphatase In Caffeine Treated Collagen Matrices By Use Of Optical Coherence Tomography And Western Blot"

Author: Natthapume Attamakulsri

Mentor: Dr. Melville Vaughan

Title: "Isolation Of Bacteriophage Infecting The Host Bacterium Mycobacterium Smegmatis"

Author: Micah Byrne

Mentor: Dr. Hari Kotturi

Title: "Retinoid Gene Expression In Chick MPKU"

Author: Jailene Canales

Mentor: Dr. Nikki Seagraves

Title: "Thermal Degradation Of Polystyrene In Lewis Acid Solutions"

Author: Alexander Chandler

Mentor: Dr. Eric Eitrheim

Title: "Testing Oklahoma Soil For Arthrobacter Sp. ATCC 21022 Bacteriophages"

Author: Peace Ezinne Chinedu

Mentor: Dr. Hari Kotturi

Title: "Analysis Of Student Success Upon Implementation Of Evening Exams In Chemistry Courses"

Author: Emily Cowen

Mentor: Dr. Eric Eitrheim

Title: "Probing Biomedical Tension In Fibroblast-Populated Collagen Latices"

Author: Erin Drewke

Mentor: Dr. Gang Xu And Dr. Melville Vaughan

Title: "Determining The Effects Of Glycated Chitosan On Fibroblast Proliferation And Differentiation Using Laser Scanning Confocal Microscopy"

Author: Khue Tu Doan

Mentor: Dr. Melville Vaughan

Title: "Quantifying Beaver Damage To Trees In A Bottomland Forest At Arcadia Lake, Oklahoma"

Author: Marco Donoso

Mentor: Dr. Chad King

Title: "Development Of A Green Laboratory Experiment For Organic II Student"

Author: Jacob Duncan

Mentor: Dr. Shawna Ellis

Title: "Investigating The Use Potential Use Of Reduced Graphene Oxide-Low-Density Lipoproteins (Rgo-LDL) In Laser Immunotherapy For Cancer Treatment"

Author: Kyra Gallagher

Mentor: Dr. Wei Chen

Title: "Increasing The Life Of A Wireless Sensor Network (WSN)"

Author: Kevin Ghale

Mentor: Dr. Nesreen Alsbou

Title: "Determining The Optimal Parameter To Produce Nano-Fiber On A Drum Collector"

Author: Eileen Hernandez

Mentor: Dr. Morshed Khandaker And Dr. Alaeddin Abuabed

Title: "Functionalization Of Cucurbit(N)Urils For Advanced Applications"

Author: Usha Kiran Khadka

Mentor: Dr. Shawna Ellis

Title: "Using Mitochondrial DNA To Assist In Wildlife Forensic Cases"

Author: Kaitlyn Kickey

Mentor: Dr. James Creecy & Dr. Victoria Jackson

Title: "Documentation And Genetic Analysis Of A Population Of Mediterranean Geckos (Hemidactylus Turcicus) At The University Of Central Oklahoma And Surrounding Buildings"

Author: Samah Houmam

Mentor: Dr. Allyson Fenwick

Title: "Fabrication And Characterization Of Polydimethylsiloxane (PDMS) Blood Vessels Models"

Author: Aseer Intisar

Mentor: Dr. Mohammad Hossan

Title: "Geographic Distribution Of The Western Chicken Turtle (Deirochelys Reticularia Miaria) In Oklahoma"

Author: Jonathan Isaacs

Mentor: Dr. Paul Stone

Title: "Identification Of Factors Impacting Population Persistence And Genomic Diversity In A Changing Environment: A Small Mammal Mark-Recapture Model"

Author: Carlie Jennings

Mentor: Dr. Michelle Haynie

Title: "Analyzing Ultraviolet Reflectance In Plumage To Determine Variations Of Sexual Dimorphism In Avian Species In Correlation With Mating Behavior"

Author: Bailey Kephart

Mentor: Dr. Chris Butler

Title: "Modulo Pascal's Triangle"

Author: Zachary King

Mentor: Dr. Scott Williams

Title: "Analyzing Ultraviolet Reflectance In Plumage To Determine Variations Of Sexual Dimorphism In Avian Species In Correlation With Mating Behavior"

Author: Matthew Larson

Mentor: Dr. Christopher Butler

Title: "Effect Of Modified Nanographene Oxide Nanoparticles On Cell Viability"

Author: Elivia Layton

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Title: "Effective Viscosity Of Flagellum-Powered Microalga Suspensions"

Author: Marion Mantia

Mentor: Dr. Gang Xu

Title: "Miomedial Assay Screening Using A Unique Sponge Collection"

Author: Makayla Mcguire

Mentor: Dr. Melville Vaughan

Title: "Generalized Modular Magic Polygons"

Author: Floride Messou

Mentor: Dr. Scott Williams

Title: "Mathematical Modeling Of Moose-Vehicle Collisions In Anchorage, Alaska"

Author: Alexandra Milliken

Mentor: Dr. Brittany Bannish

Title: "Crystal Structure Of Dihydrodipicolinate Synthase And Diaminopimelate"

Author: Erinn Murphy

Mentor: Dr. Lilian Chooback

Title: "Properties Of An Antibacterial Bandage With Mgo Nanoparticles And Gentamicin Immobilized Polycaprolactone To Staphylococcus Aureus"

Author: Sadegh Nikfarjam

Mentor: Dr. Morshed Khandaker And Dr. Hari Kotturi

Title: "Evaluating Environmental Factors Influencing The Distribution Of Mediterranean Geckos (Hemidactylus Turcicus) At The University Of Central Oklahoma"

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Title: "Constructing A Three-Dimensional Mechanical Model Of A Cochlea To Guide Treatment Of Hearing Loss"

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Title: "Analysis Of Thrombus Formation In A Microchannel"

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Title: "Investigating The Effect Of Phenylalanine (PHE) On The Cardiac And Cranial Transcriptome Using Quantitative PCR (QPCR)"

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Title: "Evaluating Flexible Heteroarotinoids On Medically Relevant Pathogenic Bacteria For Their Cytotoxic Potential"

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Title: "Evaluating And Isolating Marine Invertebrate Extracts Based On Biological Activity"

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Mentor: Dr. Amanda Waters

Title: "Isolation Of Bacteriophage Infecting The Host Bacterium *Corynebacterium Xerosis*"

Author: Savannah Pittman

Mentor: Dr. Hari Kotturi

Title: "Isolation And Characterization Of *Gordonia* Bacteriophages"

Author: Laura Powell

Mentor: Dr. Hari Kotturi

Title: "In Vivo Evaluation Of Novel PEGDA-PCL Scaffold For Cartilage Generation"

Author: Helga Proгри

Mentor: Dr. Morshed Khandaker

Title: "Image Processing Of The Cartilage, Bone And Skin"

Author: Priyanka Rao

Mentor: R. Morshed Khandaker

Title: "The Isolation Of Bacteriophages Infecting The Host *Mycobacterium Abscessus*"

Author: Umar Sahi

Mentor: Dr. Hari Kotturi

Title: "Investigation Of Scoliosis Implants"

Author: Sannam Salarvandi

Mentor: Dr. Morshed Khandaker And Dr. Hari Kotturi

Title: "Assessment Of Population Status Of Sonoran Mud Turtles (*Kinosternon Sonoriense*) At Deer Creek Tank, Galiuro Mountains, Arizona"

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Title: "In Vitro Aging Effects On Myofibroblast Phenotypes"

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Title: "Fabrication And Characterication Of Vascular Stents"

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Mentor: Dr. Mohammad Hossan

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Author: Zachary Selvidge

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Mentor: Dr. Mohammad Hossan

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Author: Kristen Stromsodt

Mentor: Dr. Scott Mattison

Title: "Explaining The Spectrochemical Series Using Cobalt Coordination Complexes With Various Ligands"

Author: Vinay Swami

Mentor: Dr. Eric Eitrheim

Title: "Synthesizing Metal Complexes With Different Metals"

Author: Vivek Swami

Mentor: Dr. Erik Eitrheim

Title: "Effect Of Laser Micro Grooves On Titanium With PCL Nanofiber, Tresyl Chloride, Collagen And Fibronectin Coating On Osteoblast Cell Functions"

Author: Dhakshyane Tamil

Mentor: Dr. Morshed Khandaker & Dr. Hari Shankar Kotturi

Title: "Fabrication Of PMMA Microchip For Separation Of Proteins"

Author: Yung-Dai Teng

Mentor: Dr. Sanjeewa Gamagedara And Dr. Mohammad Hossan

Title: "Evaluate The Effect Of Electric Field Parameters On Osteoblast Cells Using Michrochannel"

Author: Naveen Mohan Thirunilath

Mentor: Dr. Mohammad Hossan

Title: "Formatting Illumina Hi-Sequenced Data Of Five Diatom Monocultures For Graphical Interpretation"

Author: Gary Thomas

Mentor: Dr. Matthew Parks

Title: "Survey Of Chemical Safety And Security At ACS Chemistry Programs"

Author: Chalita Thompson

Mentor: Dr. Eric Eitrheim

Title: "Optimization And Substitution Of Cr(Acac)₃ For Cobalt Complex In Inorganic Chemistry Recitation/Laboratory"

Author: Maggie Ward

Mentor: Dr. Eric Eitrheim

Title: "Design Of A Magnetic Microindentation Sysem For Probing Tissue Elasticity"

Author: Joseph Wagner

Mentor: Dr. Gang Xu

Title: "Determining Existence Of Positive Solutions For A 2nth Order Nonhomogeneous Boundary Value Problem On A Discrete Domain"

Author: Stephanie Walker

Mentor: Dr. Britney Hopkins

Title: "Comparing Community Structure And Distribution Patterns Of Aquatic Macroinvertebrates In A Tall Grass Prairie Stream Ecosystem Following Restoration Practices"

Author: Shelbie Weaver

Mentor: Dr. David Bass

Title: "Engineering Artificial Skin Graft Using Cultured Cells And Nano-Fiber Matrices For Wound Treatment"

Author: Shawn Whitaker

Mentor: Dr. Morshed Khandaker

Title: "Mathematical Modeling Of Subacute Sclerosing Panencephalitis (SSPE) And Measles"

Author: Amber Young

Mentor: Dr. Brittany Bannish

Title: "Effects Of ICG And (R)-9bms On A Triple Negative Breast Cancer Tumor Model"

Author: Sara Zukerman

Mentor: Dr. Wei Chen

Jackson College Of Graduate Studies

Title: "Exploring Diverse Student Scholars Research Engagement In The Post-Baccalaureate Lives Of Former Research Assistants"

Author: Karen Anderson

Mentor: Dr. Jeanetta Sims

Title: "Exploring How Research Engagement Influences Career Mobility Among Diverse Student Scholars Alumni"

Author: Zoie Hing

Mentor: Dr. Jeanetta Sims

Title: "Exploring The Impact Of Diverse Student Scholars On Career Transferable Skills Development Among Alumni"

Author: Mindy Vo

Mentor: Dr. Jeanetta Sims