



# **The Office of Sponsored Programs**

**Annual Report**

**Fiscal Year 2022**

July 1, 2021 - June 30, 2022

# Introduction

It is with great pleasure to present the Office of Sponsored Programs (OSP) Annual Report for fiscal year 2022. This report is compiled annually and includes comprehensive information for all external and intramural grants, and academic and scholarly activities.

For FY22, a total of 75 proposals were submitted worth \$15,172,418. The total funding received was \$3,659,214 from 76 proposals. From the 2018-2023 university strategic plan, SWOSU Pathway to Excellence, Strategic Goal 3 states that as a university we will increase the Annual Institutional grant portfolio by \$5 million by spring 2023. Thanks to all principal investigators for their efforts to provide these additional opportunities for SWOSU students.

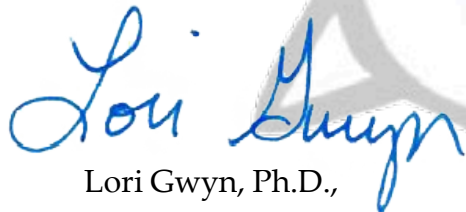
Our office remains committed to the support of faculty, administration, and staff in pursuit of extramural funding by providing proposal preparation support, grant-writing training, researching funding sources, and maintaining compliance with federal, state, and local compliance laws including the university Internal Review Board, BioSafety, Financial Conflicts of Interest, Responsible Conduct of Research and others as applicable.

We are also proud to support the efforts of the University Research and Scholarly Activity Committee (URSAC). URSAC plans the annual SWOSU Research and Scholarly Activity Fair, coordinates the nominee selection for the Research Day at the Capitol undergraduate student to represent SWOSU, and reviews and selects recipients for the faculty Proposal Development Awards.


In 2018, OSP held the inaugural Dr. Blake Sonobe Lecture Series to highlight students involved in high-impact undergraduate research experiences. For FY22, the 3<sup>rd</sup> and 4<sup>th</sup> lectures were held. In Fall 2021, Bryler Atchley and Hannah Budde presented their work with Advisor Dr. Regina McGrane from the Biological Sciences Department. In Spring 2022, Arianna Martin presented their work with Advisor Dr. Jeremy Evert from Computer Science. These three students not only discussed their research projects; they also emphasized the impact their undergraduate research experiences had on their career trajectories.

Congratulations to all faculty, staff, administration, and students for all your hard work and dedication in securing resources and contributing to global knowledge. We look forward to continuing support of these endeavors through the coming years.

Sincerely,



Lori Gwyn, Ph.D.,  
Director

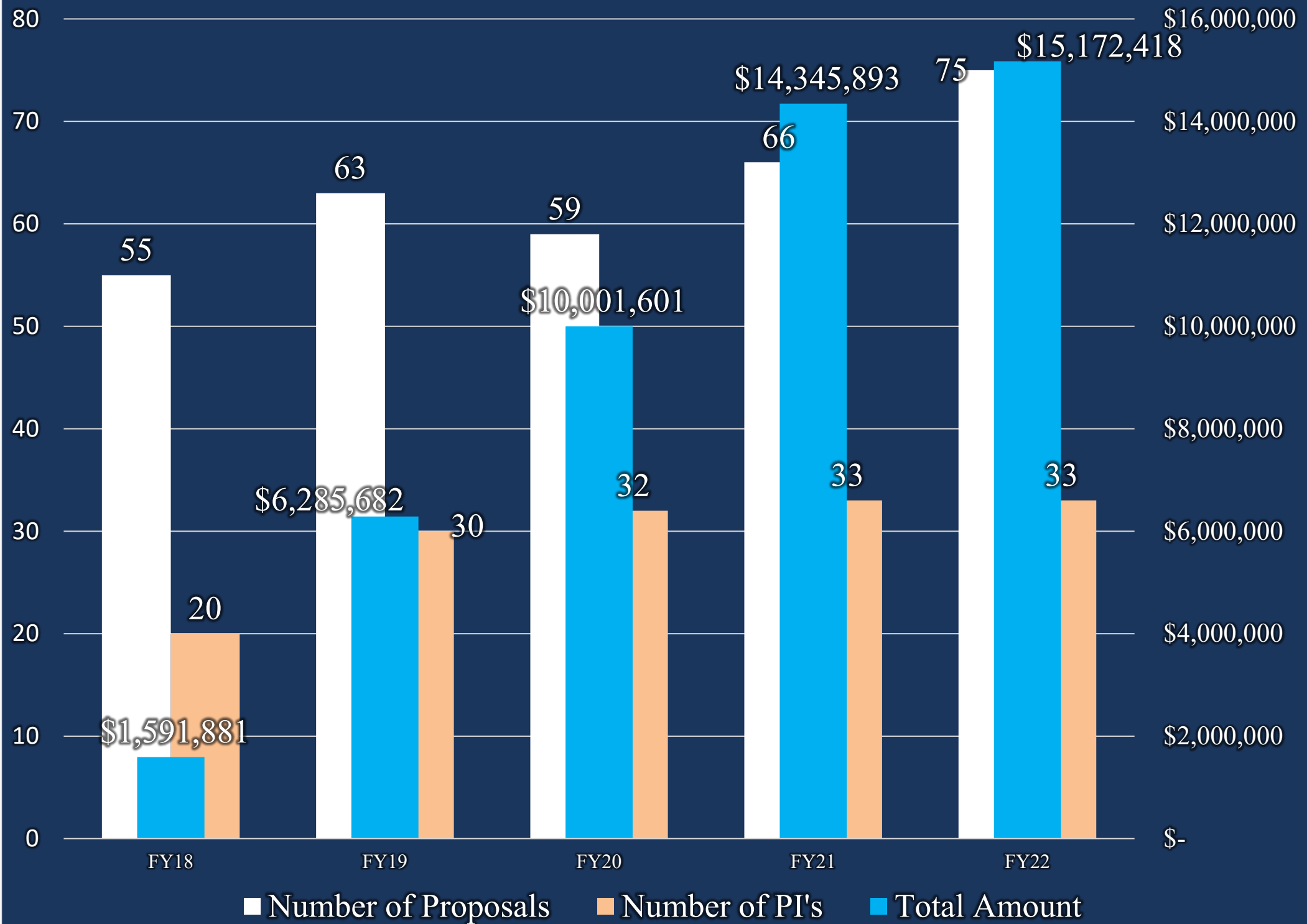


C.J. Smith,  
Assistant Director

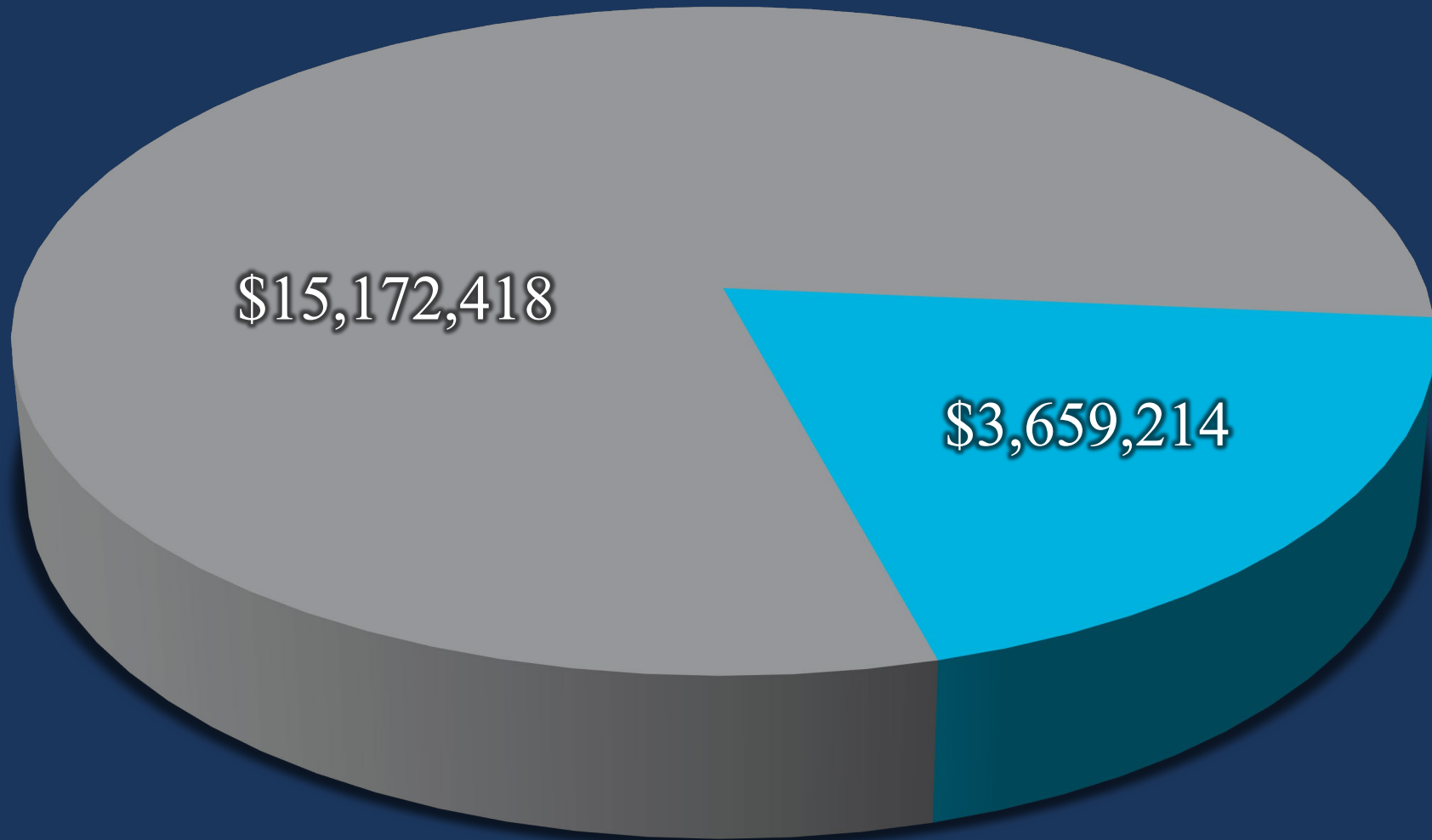


Emma Mullins,  
Grants and Contracts  
Accountant

# Pre-Award Activity



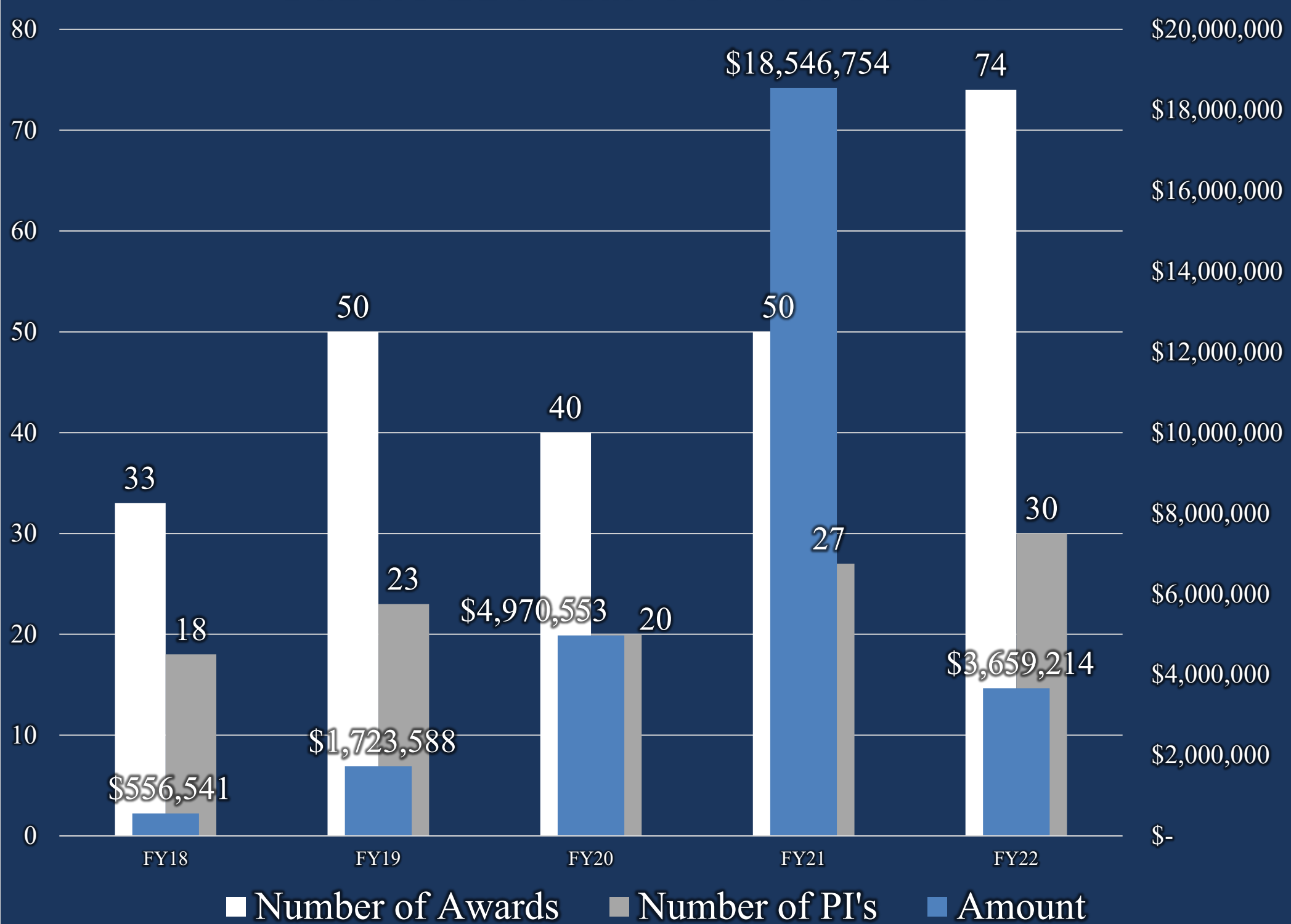
# Submitted and Awarded Amounts



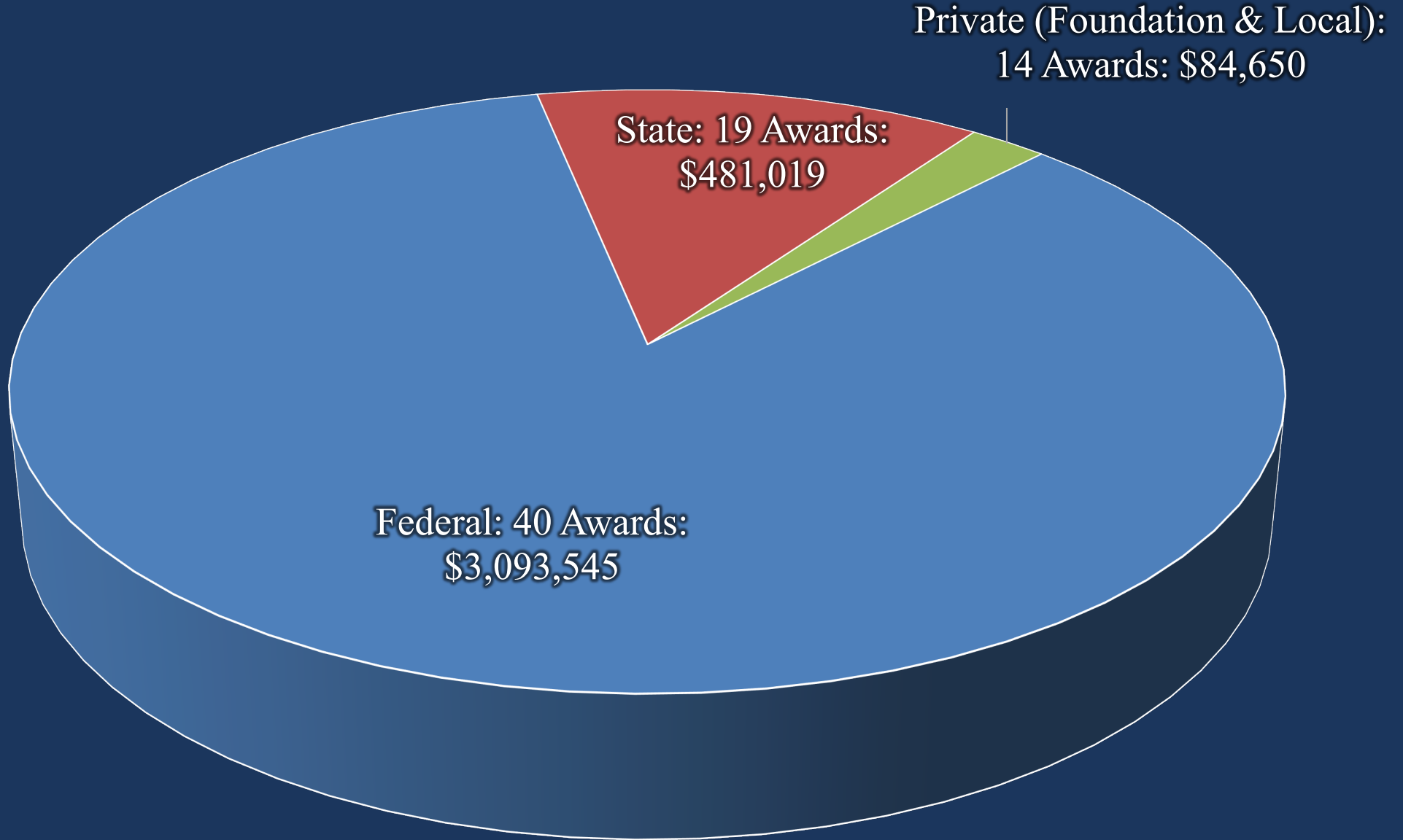
■ Submitted (75 Proposals)

■ Awarded (75 Awards)

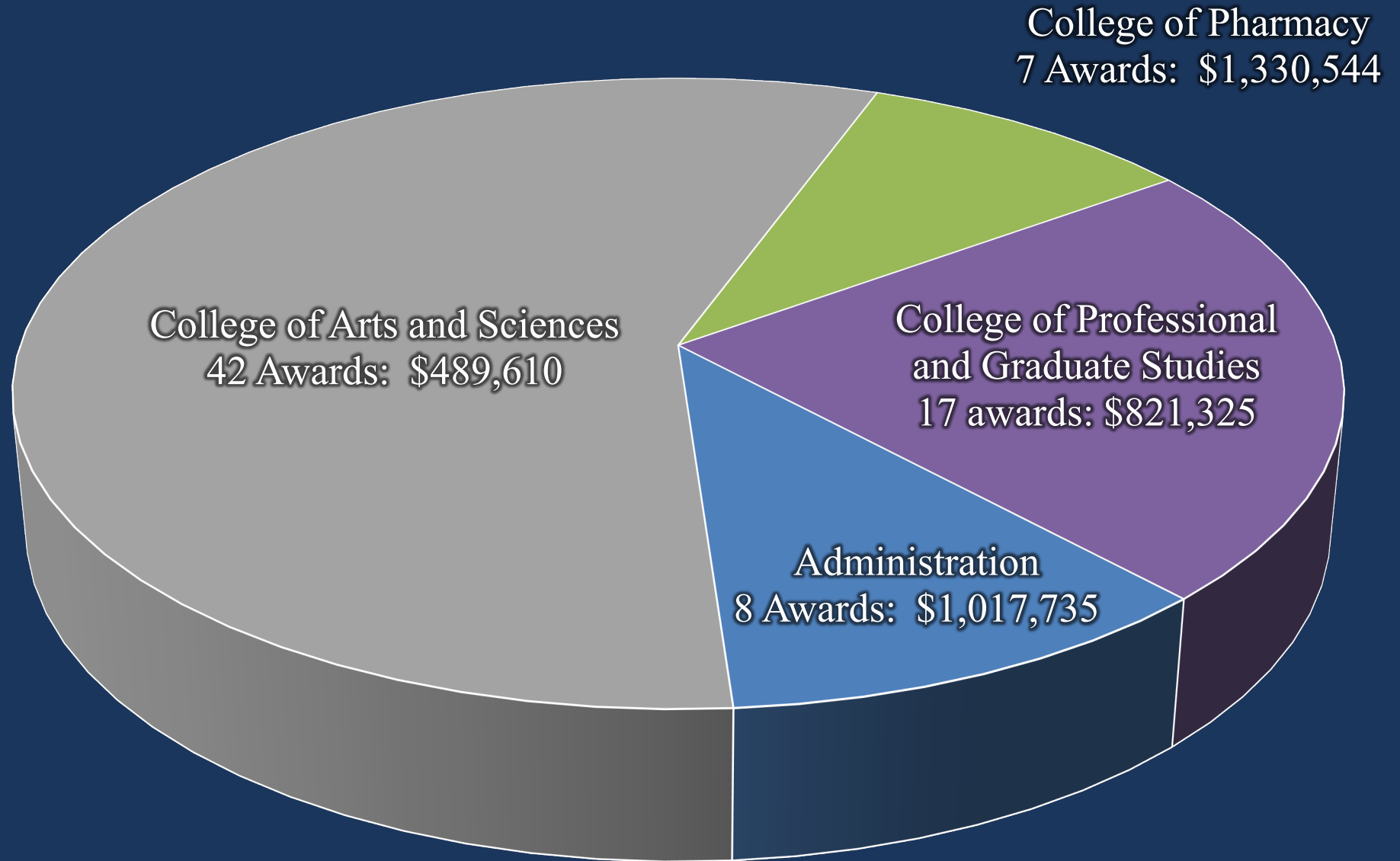
# Funded Extramural Awards FY18-22



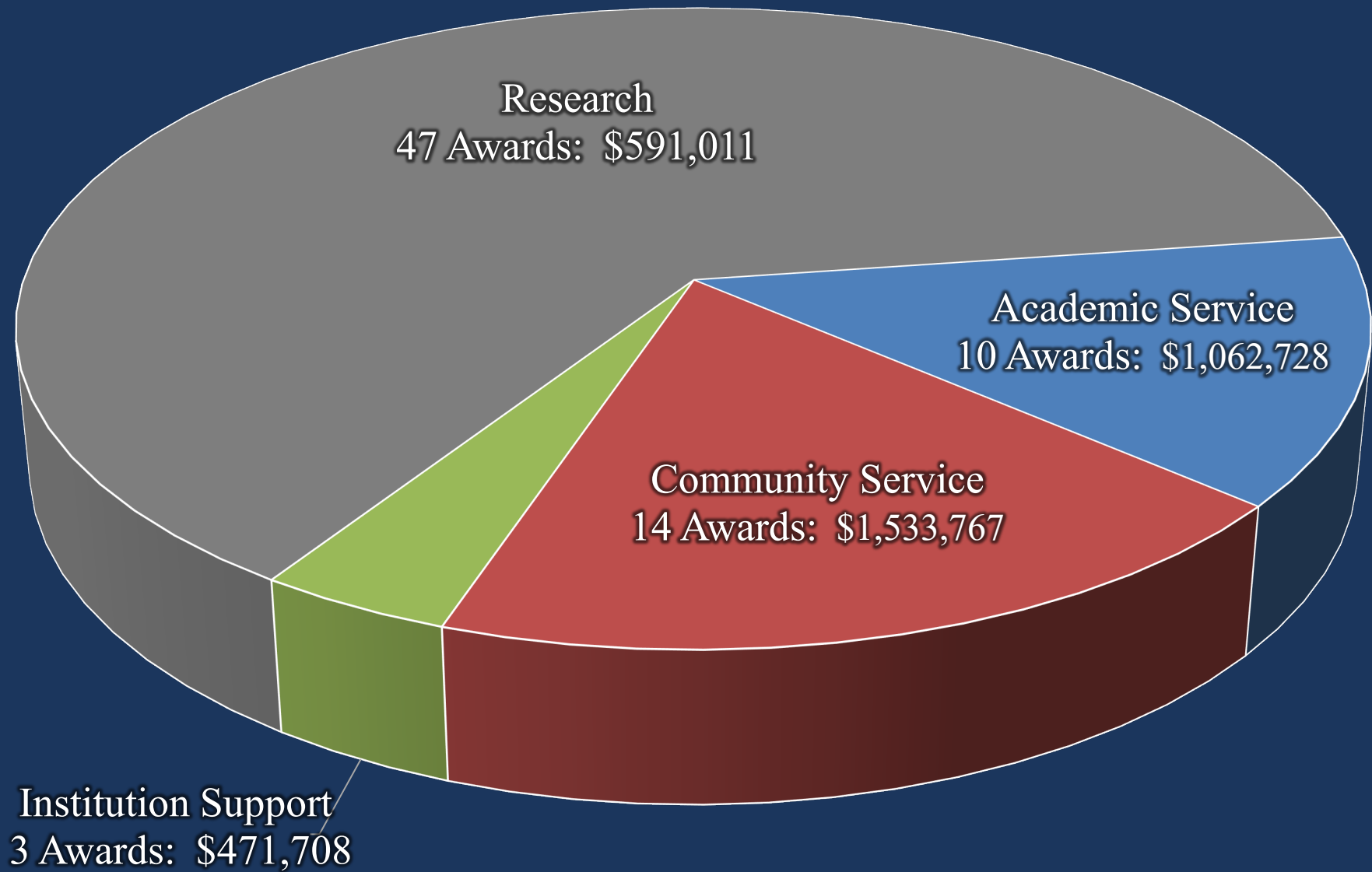
# Awards by Source



# Number of Awards by Division

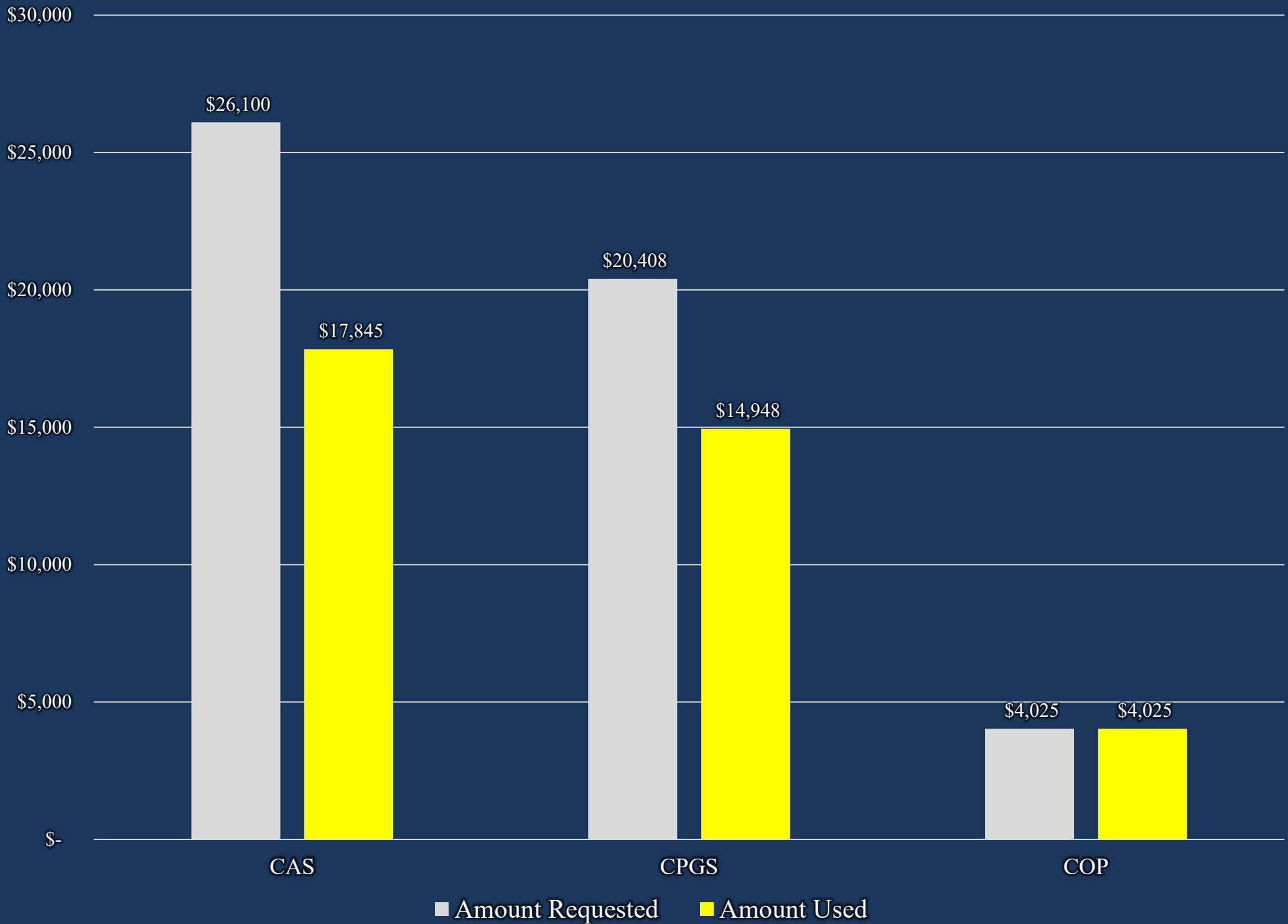


# Number of Awards by Function

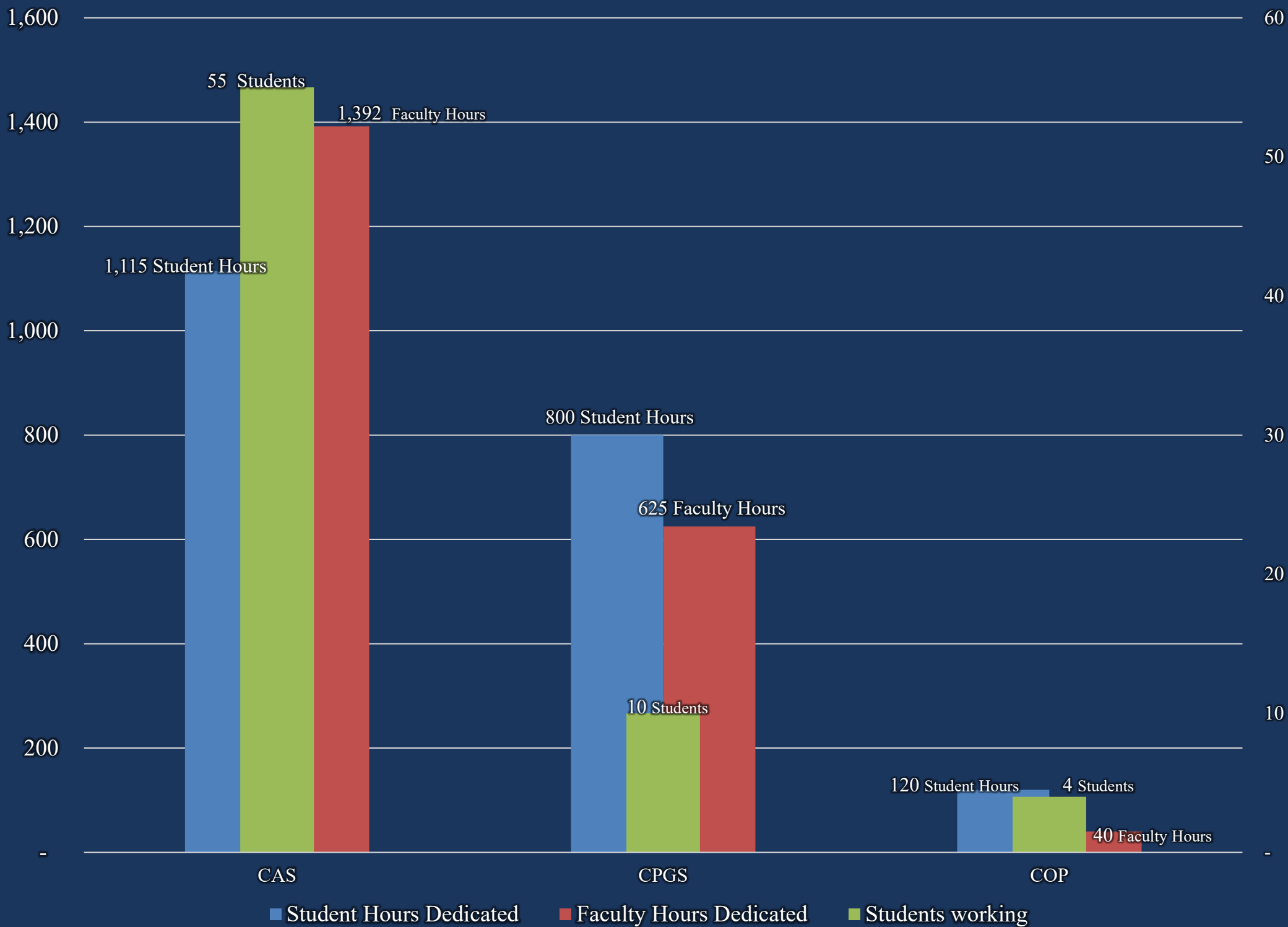




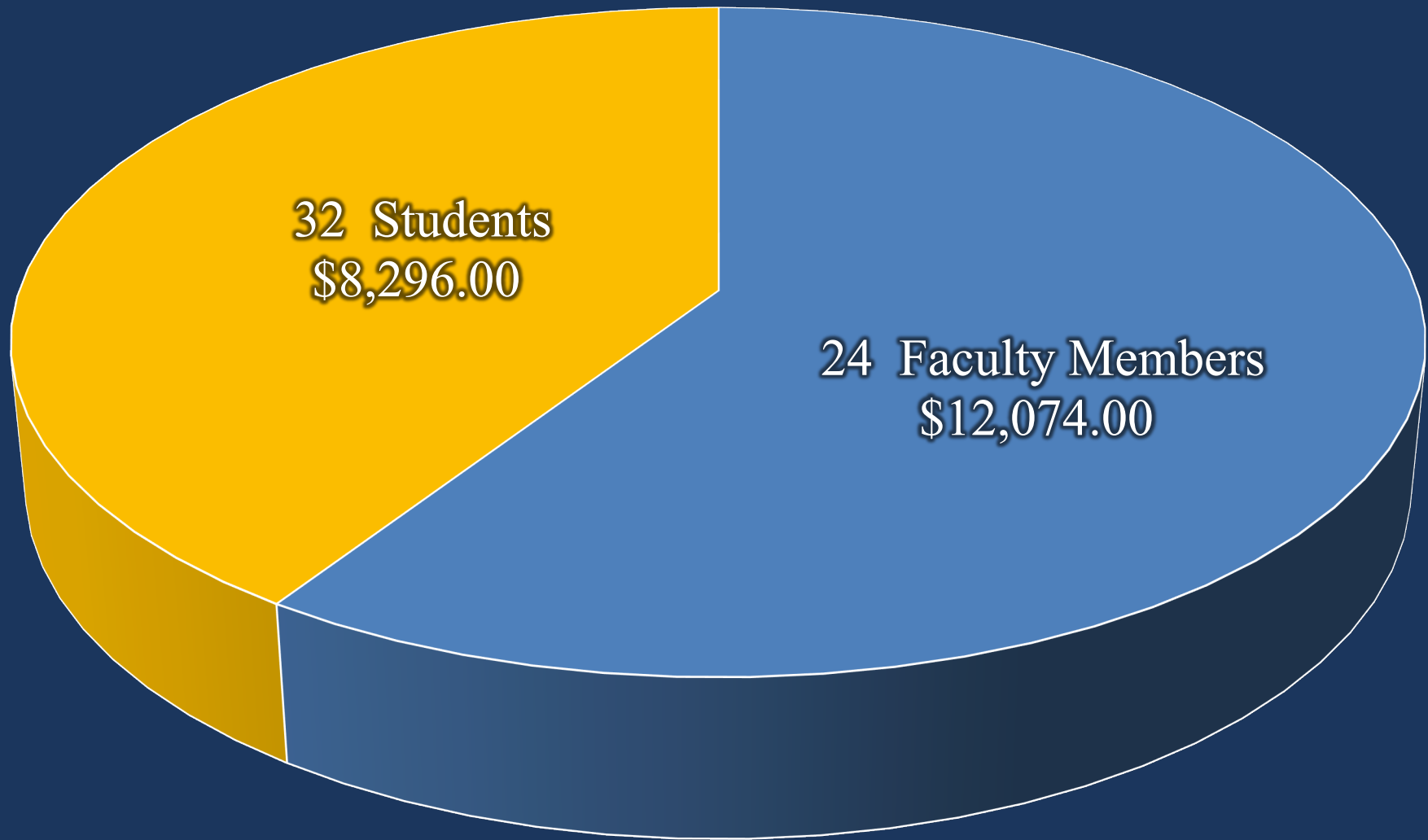
# Organized Research Funds



# Organized Research Time and Students

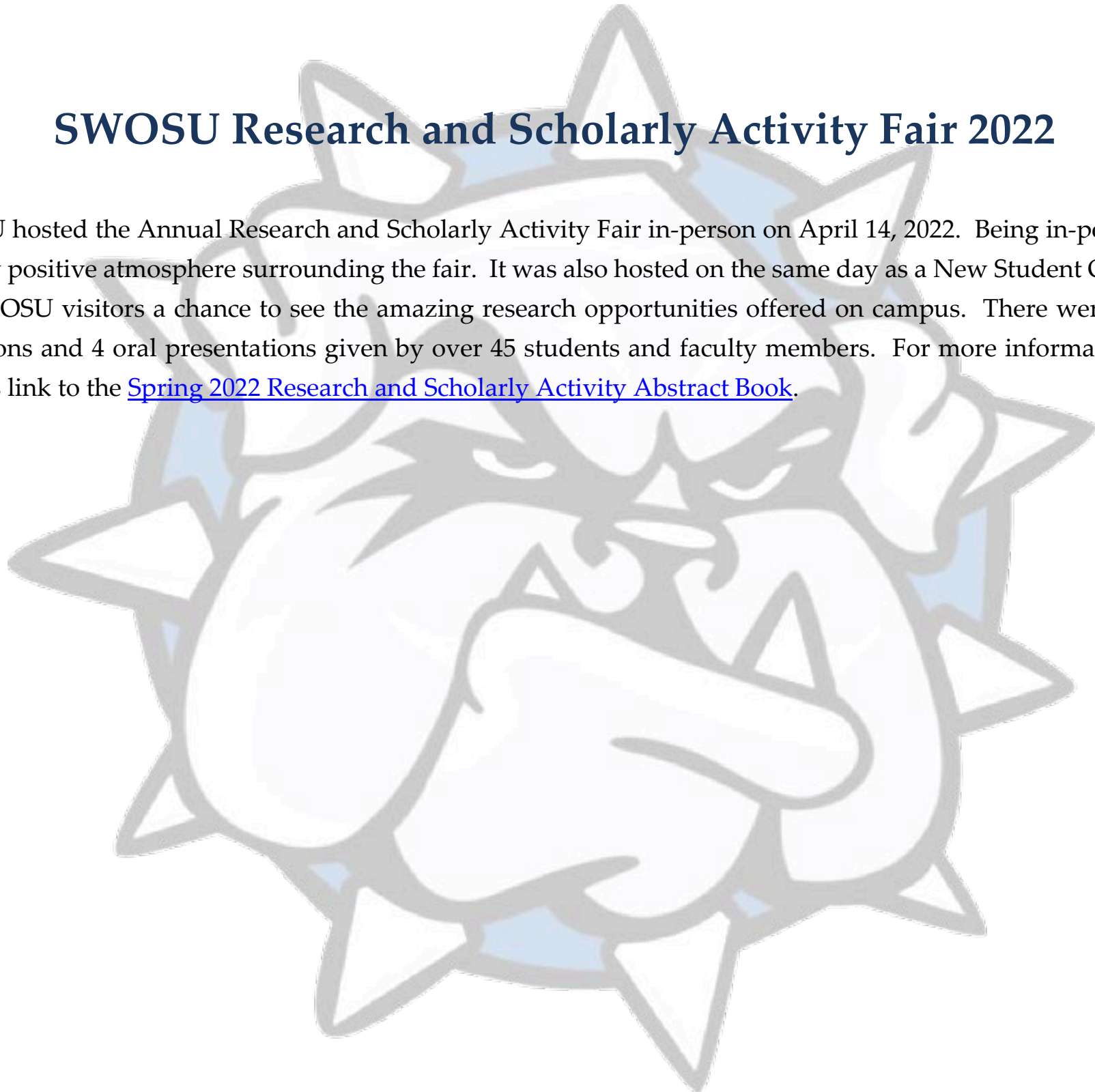


# Financial Assistance



# SWOSU Research and Scholarly Activity Fair 2022

SWOSU hosted the Annual Research and Scholarly Activity Fair in-person on April 14, 2022. Being in-person, there was a very positive atmosphere surrounding the fair. It was also hosted on the same day as a New Student Orientation, giving SWOSU visitors a chance to see the amazing research opportunities offered on campus. There were 21 poster presentations and 4 oral presentations given by over 45 students and faculty members. For more information, please follow this link to the [Spring 2022 Research and Scholarly Activity Abstract Book](#).



# **Blake Sonobe Lecture Series**

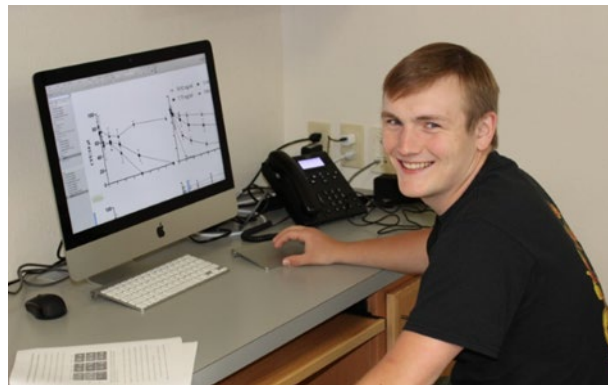
The Dr. Blake Sonobe lecture series began in the fall of 2019 to provide a platform for undergraduate research students to share their experiences campus wide about their research and the impact it has on their career plans. This program was the idea of Dr. Jeremy Evert and is coordinated by the Office of Sponsored Programs.

## **Bryler Atchley and Hannah Budde**

**Faculty Mentor: Dr. Regina McGrane, Biological Sciences**

**“Bacterial Plant Pathogens”**

**Fall 2021**



# Blake Sonobe Lecture Series

Arianna Martin

Faculty Mentor: Dr. Jeremy Evert, Computer Science

“Interdisciplinary: Finding Art in Science”

Spring 2022



# Oklahoma Research Day at the Capitol

Research Day at the Capitol was established in 1994 to showcase the outstanding undergraduate research being conducted at Oklahoma's colleges and universities in the areas of science, social sciences, technology, engineering and mathematics. Each regional university is allowed one student nomination per school to participate in this prestigious event. In 2022, Camille Goerend became SWOSU's fourth grand prize winner. This opportunity is sponsored by the Oklahoma State Regents for Higher Education, the Oklahoma Established Program to Stimulate Competitive Research, and the National Science Foundation.

## Camille Goerend

### Faculty Mentor: Dr. Vijay Somalinga, Biological Sciences

**“Beta-Carbonic Anhydrase – A potential novel antibacterial target against *Rhodococcus equi*, the causative agent of pneumonia in foals”**

Ms. Camille Goerend, a Weatherford native, was the overall grand prize winner for the 27<sup>th</sup> Annual Oklahoma Research Day at the Capitol. Ms. Goerend received a \$500 award, a \$4,000 summer research internship, and \$2,500 for her faculty mentor for research supplies.



# FY22 Grants, Research, and Scholarly & Academic Activity Reports





# Mr. Brian Adler

Vice President for Public Relations and Marketing



## Extramural Activity

The City of Weatherford Hotel/Motel Tax Commission awarded \$21,500 to SWOSU for the “SWOSU Panorama Series – Comedian Colin Jost” event during October 2021. Since 1991, the SWOSU Panorama Series has provided nearly 200 programs, featuring entertainment such as Colin Jost, Jeff Dunham, George Carlin, and many others.

Mr. Adler also applied for \$21,500 from the City of Weatherford Hotel/Motel Tax Commission to fund the “SWOSU Panorama Request for SWOSUpalooza” event. SWOSUpalooza is an annual concert sponsored and produced by the SWOSU Student Government Association showcasing local and regional musicians, while also bringing national artists to SWOSU.

# Ms. Cindi Albrightson

Department of Engineering and Technology



## Extramural Activity

Ovintiv USA, Inc. awarded \$8,000 to SWOSU to fund the project, "Ovintiv USA Inc. Scholarship Opportunity for Engineering" from September 2021 to May 2022. Through their Community Investment Program, Ovintiv contributes to charitable organizations and initiatives that strengthen our operating communities and reflect our social commitment.

# Dr. Veronica Aguiñaga

Department of Education



## Scholarly and Academic Activity

Dr. Aguiñaga received \$500 to travel to Columbus, Ohio to present at LitCon22: The National K-8 Literacy & Reading Recovery Conference.

# Dr. Lisa Appeddu

Department of Pharmaceutical Sciences



## Extramural Activity

SAGE STEAM Camp is a week-long, residential, Science, Technology, Engineering, Arts, and Mathematics camp for girls entering the eighth grade. This camp exposes these girls to a variety of career opportunities and gives them a taste of college life to inspire young Oklahoma women to pursue activities, education, and careers in STEAM after camp.

OK-INBRE awarded \$5,000 to fund the “SAGE STEAM Camp” from May 2021 to April 2022.

OK-EPSCoR awarded \$10,000 to fund the project, “SAGE STEAM Camp 2022” from May 2022 to August 2022. Ms. Kathy O’Neal is the Co-PI for this project.

The City of Weatherford Hotel/Motel Tax Commission awarded \$5,600 to fund the project, “2022 SAGE STEAM Camp” from June 2022 to July 2022. Ms. Kathy O’Neal is the Co-PI for this project.

Dr. Appeddu and her Co-PI, Ms. O’Neal, applied for \$20,800 from Devon Energy to fund the project, “2022 SAGE STEAM Camp & Educators Professional Development Program” from February 2022 to September 2022.

## Scholarly and Academic Activity

Dr. Appeddu published the article, “An exploratory survey on the awareness and usage of clinical guidelines among clinical pharmacists,” in the journal, *Exploratory Research in Clinical and Social Pharmacy*.

Dr. Appeddu presented the poster, “Measures of Anxiety and Mindfulness in Student Pharmacists after Conducting a Relaxation Activity,” in the SWOSU Research and Scholarly Activity Fair.

In San Antonio, TX, Dr. Appeddu presented the poster, “Measures of Wellness in Student Pharmacists after Conducting Mindfulness Activities.”

Dr. Appeddu presented the poster, “The Impact of Mindfulness Techniques as Conducted by Student Pharmacists on Well-being and

“Being in the Now,” in Weatherford, OK.

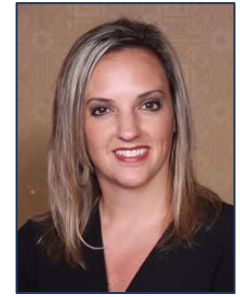
Dr. Appeddu presented the poster, “Self-Reported Utilization of Medical Cannabis in Rural and Urban Areas in Oklahoma,” in Weatherford, OK.

### **Organized Research**

Dr. Lisa Appeddu, along with Drs. Stephen Drinnon, Sally Drinnon, and Scott Graham-Long, spent \$4,025 in Organized Research funding from the Dean of the College of Pharmacy for their project “Investigating Changes in Salivary Measures as Physiological Indicators of the Potential Benefits of Mindfulness Activities – Part II.” This project created approximately 120 research hours for four student researchers.

# Dr. Amy Barnett

Department of Education



## Extramural Activity

The Indian Child Welfare Act, through the Oklahoma Department of Human Services, has awarded \$33,682 to fund the project, “ICWA Partnership Grant – Research Data and Evaluation Chair (Year 3)” from October 2021 to September 2022. The scope of this grant includes convening regular committee meetings, providing consultation and assistance to the grant team in the identification of data and research needs of the grant on an on-going basis, conduct research and gather data on evidence based or best practice strategies that will assist the grant team in meeting the goals and objectives of the grant.

## Scholarly and Academic Activity

Dr. Barnett presented the poster, “Perceptions of Physical Therapy Clinicians Regarding the Impact of COVID-19 on Patient’s Mental Health,” at the Illinois Physical Therapy Association.

# Ms. Madeline Baugher

SWOSU National Aeronautics and Space Administration (NASA) Coordinator



## Extramural Activity

NASA awarded \$3,800 to fund the project, “Dosimeter Flight Opportunities Testing (Benton),” from March 2021 to March 2024.

NASA also awarded \$5,699 to fund the project, “ISS – Enhanced Active Tissue Equivalent Dosimeter,” from September 2021 to August 2024.

Ms. Baugher applied for \$2,659 from NASA to fund the project, “NASA EPSCoR Soft Matter-Based Metamaterials-Manimala,” from September 2022 to August 2023.

Ms. Baugher also applied for \$7,977 from NASA and the Oklahoma State Regents for Higher Education to fund the project, “Evaluation and Modeling of Solar Cell Performance at High Altitudes Above Low-Lying Clouds (Jacobs),” from September 2022 to August 2025.

\$2,659 was applied for by Ms. Baugher from NASA to fund the project, “NASA EPSCoR Infrasound Noise Mitigation for Aerial Platforms on Venus – Elbing” from September 2021 to August 2022.

The Oklahoma State Regents for Higher Education and NASA both awarded \$3,819 to fund the project, “NASA OK-EPSCoR Research Infrastructure Development (RID) Year 3” from September 2021 to August 2022.

NASA and the Oklahoma State Regents for Higher Education each awarded \$1,910 to fund the project, “RIG – Saparov- Engineering Thin Film Solar Cells for Radiation Hardness, Lifetime, and Efficiency – Year 3” from September 2019 to September 2022.

The project, “Space Grant College and Fellowship Program – Year 3” received \$56,000 from NASA from July 2021 to June 2022.

The Oklahoma State Regents for Higher Education awarded \$1,904 to fund the project, “RIG - Ekin - Robust and High Data Rate Hybrid RF/Optical Communication for Lunar Missions,” from September 2021 – August 2022.

NASA awarded \$2,761 to fund the project, “NASA OK-EPSCoR Research Implementation Grant – Ekin,” from September 2021 to August 2022.

# Dr. Andrew Bigley

Department of Chemistry and Physics



## Extramural Activity

The “INBRE Summer Undergraduate Research Program (SURP)” project was awarded \$2,200 by OK-INBRE from May 2021 to July 2021. This SURP program provides the opportunity for undergraduate researchers to conduct research full time during the 10 week program. The student researcher worked on purifying and characterizing enzymes implicated in the degradation of organophosphate flame retardants.

OK-INBRE awarded \$8,337 to fund the project, “Release Time from teaching for grant proposal development,” from January 2022 to April 2022.

OK-INBRE awarded \$21,654 to fund the project, “Spectrophotometer to facilitate biochemical research” from June 2022 to April 2023. With this grant, SWOSU purchased a Themofisher Evolution One Plus Spectrophotometer with 8-cell peltier temperature control system with associated computer that will provide the ability to rapidly and accurately obtain fixed wavelength readings, kinetic data, and absorbance spectrum with a 1 nm resolution from 190 nm to 1100 nm. The 8-cell peltier system will allow precise control of temperature from 0° to 100° C, while allowing 8 samples to be analyzed simultaneously.

SWOSU received \$12,000 from the Marathon Petroleum Foundation to fund the project, “SWOSU Summer Undergraduate Chemistry Research,” from May 2022 to July 2022. This grant provided support for two students during the summer semester to clone, express, and characterize enzymes implicated in the degradation of toxic organophosphate flame retardants.

OK-INBRE awarded \$2,200 to fund the project, “OK-INBRE Summer Undergraduate Research Program,” from May 2022 to July 2022. This program provides the opportunity for undergraduate researchers to conduct research full time during the 10-week program. The student researcher in this program worked on purifying and characterizing enzymes implicated in the degradation of organophosphate flame retardants.

OK-INBRE awarded \$53,294 to fund the project, “High-Speed Centrifuge to Support Biochemical Research & Evolution of the Organophosphate Degrading Diesterases from the PHP-Family,” from May 2021 to April 2022. This centrifuge allows for the processing of up to 4L in a single run, utilizes the much lighter carbon fiber rotors which are not subject to the



corrosion issues which plague older units, and has a much safer auto-lock rotor attachment which will increase safety of the unit, especially while training undergraduate researcher who lack experience. The purchase of this equipment will also facilitate biochemical work by other researchers in the department.

Dr. Bigley applied for \$305,587 from OK-INBRE to fund the project, “Evolution of organophosphate flame-retardant degradation in Sphingomonadaceae,” from November 2021 to April 2024. With this project, homologs of *Sb-PhoK* will be characterized to allow the evolutionary status of *Sb-PhoK* to be evaluated, and will provide the final tool for the complete mineralization of the phosphate from the toxic organophosphate flame retardants.

Dr. Bigley also applied for \$75,000 from OK-EPSCoR to fund the project, “Enzymatic Investigation of MPH Enzymes with Potential to Improve Water Quality,” from May 2022 to April 2023. The goal of this grant is to research if the bacteria, *Novosphingobium* sp. ABRDHK2 (*No-MPH*) has evolved to degrade the organophosphate flame retardants and if it is a better candidate for bioremediation efforts than currently known enzymes.

Dr. Bigley applied for \$28,348 from OK-INBRE to fund the project, “Evolution of PhyK Phosphatase for Organophosphate Flame Retardant Degradation,” from June 2022 to April 2023. With this project, homologs of *Sb-PhoK* will be characterized to allow the evolutionary status of *Sb-PhoK* to be evaluated, and will provide the final tool for the complete mineralization of the phosphate from the toxic organophosphate flame retardants.

## **Research and Scholarly Activity**

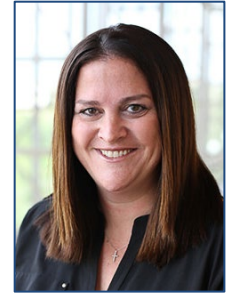
Dr. Bigley was awarded \$500 to present scientific findings at the biannual Enzyme Mechanism Conference in Tucson, Arizona.

## **Organized Research**

Dr. Bigley used \$1,953 in Organized Research Funding from the Dean of the College of Arts and Sciences for his project, “Expression and Isolation of Phosphotriesterases and Methyl Parathion Hydrolyzes Implicated in Organophosphate Flame Retardant Degradation.” This project created approximately 50 student research hours for four student researchers.

# Dr. Emily Borders

Department of Pharmacy Practice



## Scholarly and Academic Activity

Dr. Borders published the chapter, "Colorectal Cancer," in the publication, *Pharmacotherapy Essentials* [Internet]. 6<sup>th</sup> ed. New York (NY): The McGraw-Hill Companies, Inc.: 2021. Chapter 91.

# Dr. Renan Bosque

Department of Biological Sciences



## Extramural Activity

Dr. Bosque applied for \$450,000 from the National Science Foundation for the project, “BRC-BIO Climate change and color evolution of squamates,” from August 2022 to August 2025.

Dr. Bosque also applied for \$484,754 from the National Science Foundation for the project, “How coloration can affect the extinction of squamates?” From September 2022 to September 2025. The objective of this project is to understand how coloration affects the extinction risk of squamates by integrating the study color evolution, demography, physiology and niche modeling to measure how climate change will affect two lizard species.

# Dr. Allen Boyd

Department of Education



## Research and Scholarly Activity

Dr. Boyd was awarded \$500 to present the paper, "Teacher Candidates' Virtual Field Experience During the Pandemic," at the National Social Science Association in Las Vegas, Nevada.

# Dr. Lisa Boyles

Department of Art, Communication & Theatre



## Extramural Activity

Dr. Boyles applied for \$20,000 from the National Endowment for the Arts: Challenge of America for the project, “Western Oklahoma Film Workshop with Western Oklahoma’s First Soundstage,” from January 2023 to April 2023. In addition to training and lifting up artists, the goal of this project is to strengthen the connection to the national and global film and television industries and provide a bridge to prosperous careers in the arts.

# Dr. Sherri Brogdon

Department of Education



## Research and Scholarly Activity

Dr. Brogdon was awarded \$500 to travel to the Fall National Social Science Conference in San Diego, California to present the papers, "Discovering Forces Facilitating Leisure Reading Dispositions of Elementary Preservice" and "Reintroducing Student Voice: How to get our Classrooms abuzz with Discussion Post-Pandemic."

# Ms. Brenda Burgess

Vice President for Administration and Finance



## Extramural Activity

The US Department of Education awarded \$457,322 for the project, “CARES Act SWOSU SIP” from June 2020 to March 2022.

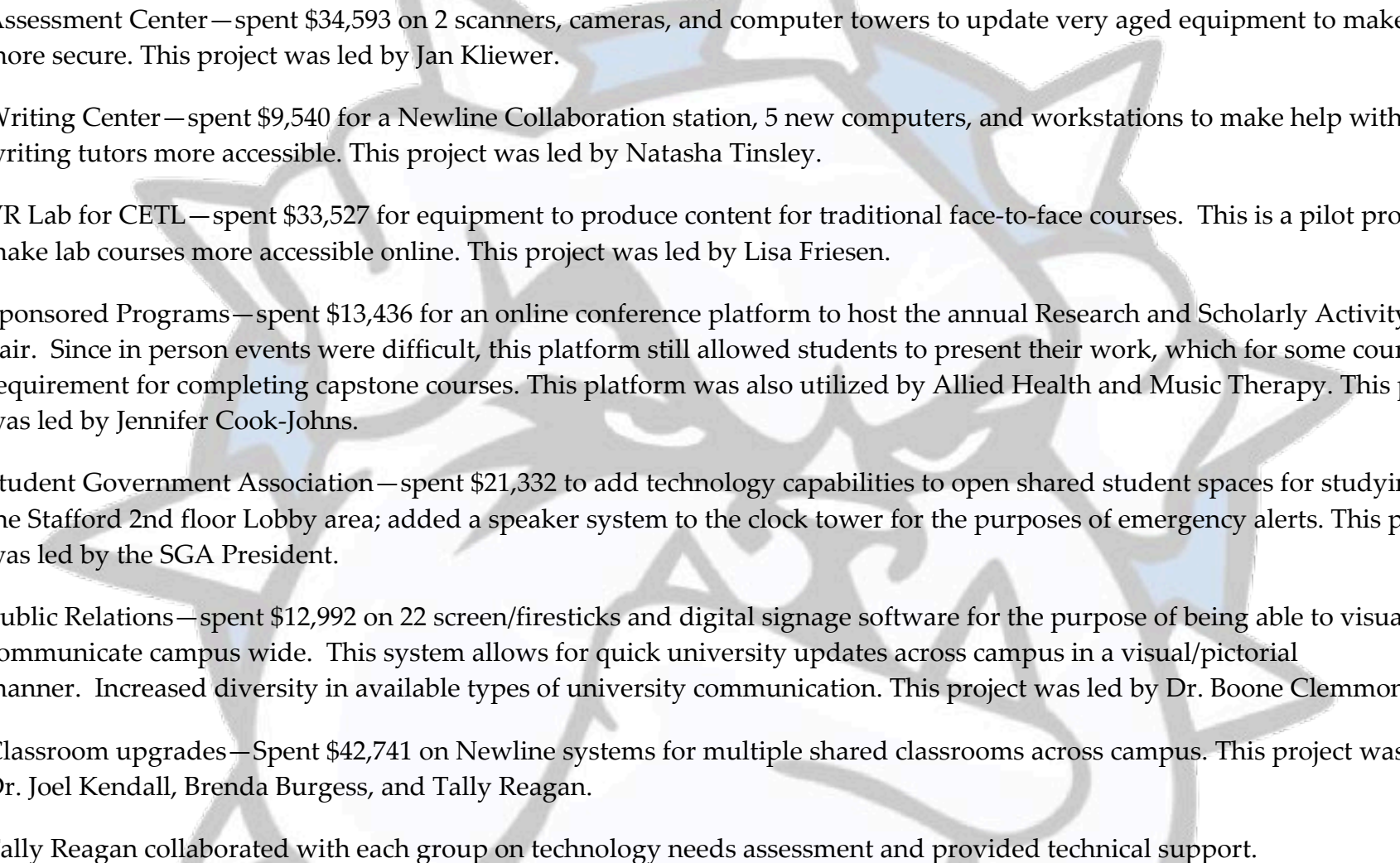
### CARES projects from Title III Strengthening Institutions Allocation

1. Total Allocation for Title III at SWOSU was \$845,000.
2. Student grants--\$200,000 was given directly to students who had previously qualified for CARES funds. Collaborators were Brenda Burgess and Ruth Boyd.
3. Bulldog Food Pantry—\$47,379 was spent to establish a food pantry in the SWOSU Wellness Center. Collaborators are Dr. Raygan Chain, Dr. Geo Kelley, C. J. Smith, and Jennifer Cook-Johns. Letty Ortiz is the part-time coordinator. The Bulldog Food Pantry has now been incorporated into the Center for Health and Well-being with Susan Ellis managing this program. The pantry receives continuing funding from the SWOSU Foundation.
4. Mentor Collective--\$45,150 was spent to establish an online mentorship program for freshman students to make connections with an upperclassman with similar life experiences. This initiative was led by Dr. Wendy Yoder and is currently under the direction of Director Amanda Currier.
5. Fall to Spring Retention for Students involved in MC: 86%
6. Fall to Spring Retention for All SWOSU students: 80%
7. Summer Advising for Enrollment--\$1243.68 was spent for student wages. A student with training in Academic advising was paid over the summer of 2020 to work with students to get enrolled for the fall semester. This project was led by Dr. Wendy

Yoder.

8. UpSwing--\$12,000 was paid to UpSwing, an online tutoring service. An hour of online tutoring time is \$24. In October 2021, we purchased 500 hours. This was a project led by Lisa Friesen.
9. Technology Stone Building Lobby--\$12,978 was spent for a model student study space. In this space, we have added a Newline Unified Collaboration Station, charging stations, monitors and docking stations. This project was led by Cindi Albrightson.
10. Innovation Lab STF 117--\$14,729 was spent for Technology for the School of Business Innovation lab. In this space, we have added a Newline Unified Collaboration station, charging stations, and green screen technology. This project was led by Dr. Patsy Parker and Dr. Holly Mace.
11. Stafford Lobby—paid for ½ of the Messaging Ticker; this has allowed for digital messaging for student and academic departments. The cost was \$7,000 and was a joint project with Dr. Patsy Parker.
12. Music Recording/Zoom space for Students—spent \$29,981 for a card lock system for practice rooms to make them more accessible to students after hours; A recording space for students to work in person and remotely was also set up. This project was led by Dr. Shelley Martinson.
13. Biology/Allied Health—spent \$147,175 on 2 Anatomage tables. This technology allows for teaching Anatomy to different courses through a digital format with access to 12 different cadavers as well as a library of different animals. This project was led by Dr. Sharon Lawrence and Dr. Jimena Aracena.
14. Nursing—spent \$34,269 on 2 Newline Collaboration stations, monitors, and other equipment to make online learning more accessible both in the lecture hall and for the online students. This project was led by Dr. Angela Gore and Elissa Saunders.
15. Chemistry—spent \$31,339 to purchase Newline Collaboration Stations (4 total) for both Chemistry and Physics Classrooms and a set of Chromebooks for Chemistry Problem Solving. Other tech accessories were purchased to update study spaces for students. This project was led by Dr. Tim Hubin.
16. Language & Literature—spent \$36,814 to purchase 2 Newlines Collaboration Stations and chromebooks to make online collaboration easier. This project was led by Dr. Denise Landrum-Geyer, Dr. Kelley Logan, and Dr. Taylor Orgeron.



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17. Assessment Center—spent \$34,593 on 2 scanners, cameras, and computer towers to update very aged equipment to make testing more secure. This project was led by Jan Kliewer.
  18. Writing Center—spent \$9,540 for a Newline Collaboration station, 5 new computers, and workstations to make help with writing tutors more accessible. This project was led by Natasha Tinsley.
  19. VR Lab for CETL—spent \$33,527 for equipment to produce content for traditional face-to-face courses. This is a pilot project to make lab courses more accessible online. This project was led by Lisa Friesen.
  20. Sponsored Programs—spent \$13,436 for an online conference platform to host the annual Research and Scholarly Activity Fair. Since in person events were difficult, this platform still allowed students to present their work, which for some courses is a requirement for completing capstone courses. This platform was also utilized by Allied Health and Music Therapy. This project was led by Jennifer Cook-Johns.
  21. Student Government Association—spent \$21,332 to add technology capabilities to open shared student spaces for studying in the Stafford 2nd floor Lobby area; added a speaker system to the clock tower for the purposes of emergency alerts. This project was led by the SGA President.
  22. Public Relations—spent \$12,992 on 22 screen/firesticks and digital signage software for the purpose of being able to visually communicate campus wide. This system allows for quick university updates across campus in a visual/pictorial manner. Increased diversity in available types of university communication. This project was led by Dr. Boone Clemmons.
  23. Classroom upgrades—Spent \$42,741 on Newline systems for multiple shared classrooms across campus. This project was led by Dr. Joel Kendall, Brenda Burgess, and Tally Reagan.
  24. Tally Reagan collaborated with each group on technology needs assessment and provided technical support.

# Dr. Jieun Chang

Department of Social Sciences



## Scholarly and Academic Activity

Dr. Chang published a journal article.

Dr. Chang reviewed grant application for the NTIA grant program.

# Dr. Brandy Chase

Department of Allied Health Sciences



## Scholarly and Academic Activity

Dr. Chase presented the poster, "Perceptions of Physical Therapy Clinicians Regarding the Impact of COVID-19 on Patients' Mental Health," at a virtual IPTA conference in Naperville, IL.

# Dr. Melanie Claborn

Department of Pharmaceutical Sciences



## Scholarly and Academic Activity

Dr. Claborn published the journal, "Antiretroviral Therapy Management in Adults with HIV During ICU Admission."

Dr. Claborn submitted the grant, "A pilot study evaluating the impact of 3D printed airway models in pharmacy education."

# Dr. Rickey Cothran

Department of Biological Sciences



## Extramural Activity

The Oklahoma Department of Wildlife Conservation – Environmental Protection Agency awarded \$25,676 to fund the project, “A Survey of *Triaenodes tridontus* in SE Oklahoma from April 2022 to September 2022. With this funding, Dr. Cothran will survey for *T. tridontus* in streams in the Ouachita Mountain-Arkansas River Valley-Gulf Coast Plain Conservation Region (southeast Oklahoma). Water quality data was also collected and site information in order to associate presences with key ecological variables.

## Organized Research

Dr. Cothran spent \$550 in Organized Research funding from the Dean of the College of Arts and Sciences for his project “The effect of sexual conflict over mating on sexual trait evolution.” This project created approximately 55 research hours for one student researcher.

# Dr. Randy Curry

College of Pharmacy Rural Health Center



## Extramural Activity

The US Department of Agriculture awarded \$983,566 to fund the project, “SWOSU Rural Health Center Telemedicine Program,” from October 2021 to September 2024. This grant is asking for telemedicine equipment for education deployment at SWOSU hub site located in Weatherford Oklahoma and hub/end-user site located in Poteau Oklahoma as well as the participating end user sites. The SWOSU distance learning project will provide: equity and increase the access to quality healthcare in rural communities; access to a healthcare provider for students, faculty and staff without having to leave school for an appointment; class sharing and opportunities for education, training and interaction with students in the nursing and pharmacy departments at SWOSU; help SWOSU expand their resources to serve more students and communities; reduce the shortage of healthcare providers in rural areas; and increase school/community linkages.

# Dr. Marc DiPaolo

Department of Language and Literature



## Scholarly and Academic Activity

Dr. DiPaolo presented the paper, "Refashioning George A. Romero and Portending COVID: On Ling Ma's Severance and Colson Whitehead's Zone One," at the MELUS Conference in New Orleans, Louisiana.

Dr. DiPaolo was awarded \$500 to travel to New Orleans, Louisiana to present the paper, "Refashioning George A. Romero and Portending COVID: On Ling Ma's Severance and Colson Whitehead's Zone One."

## Organized Research

Dr. DiPaolo spent \$500 in Organized Research funding from the Dean of the College of Arts and Sciences for his project "Secretary of MELUS and member of Italian American Studies Association."

# Dr. Sally Drinnon

Department of Pharmacy Practice



## Organized Research

Dr. Sally Drinnon, along with Drs. Lisa Appeddu, Stephen Drinnon, and Scott Graham-Long, spent \$4,025 in Organized Research funding from the Dean of the College of Pharmacy for their project “Investigating Changes in Salivary Measures as Physiological Indicators of the Potential Benefits of Mindfulness Activities – Part II.” This project created approximately 120 research hours for four student researchers.



# Dr. Stephen Drinnon

Department of Pharmaceutical Sciences



## Organized Research

Dr. Stephen Drinnon, along with Drs. Lisa Appeddu, Sally Drinnon, and Scott Graham-Long, spent \$4,025 in Organized Research funding from the Dean of the College of Pharmacy for their project “Investigating Changes in Salivary Measures as Physiological Indicators of the Potential Benefits of Mindfulness Activities – Part II.” This project created approximately 120 research hours for four student researchers.

# Mr. Jason Dupree

Al Harris Library



## Extramural Activity

Mr. Dupree applied for \$10,000 from the American Library Association to fund the project, “Recovering University History,” from February 2022 to October 2022.

Mr. Dupree, and Co-PI Mr. Phillip Fitzsimmons, applied for \$10,000 from the National Endowment for the Humanities for the “Preservation Assessment for the Stafford Archives” project from September 2022 to September 2023. With this project, SWOSU can hire a consultant to evaluate the Stafford Collection, create a preservation plan, identify a list of needed supplies and resources to protect the collection, and offer guidance to library staff on the use, handling, and display of the collection for public use. Upon the completion of the consultant’s assessment, library staff will implement the preservation plan, develop policies and procedures for the preservation of the Stafford Collection and organize and store the collection with the proper preservation containers and supplies.

## Scholarly and Academic Activity

Mr. Dupree was appointed Secretary of the Graphic Novel and Comics Round Table of the American Library Association.

Mr. Dupree coordinated a two-day meeting and zoom sessions that included breakout rooms.

Mr. Dupree co-presented the “Tenure Process” with Ms. April Miller.

At a SWOSU workshop, Mr. Dupree presented, “Circulation @SWOSU: Student Employee Roles & Training.”

For the library programming, “Let’s Talk About It: Women’s Suffrage,” Mr. Dupree reviewed grant proposals.

# Dr. Trevor Ellis

Department of Chemistry and Physics



## Extramural Activity

OK-INBRE awarded \$2,200 to fund the project, "Dynamic Resolution of A-Amino Acids," from June 2021 to August 2021.

OK-INBRE awarded \$2,000 to fund the "Travel to the Spring 2022 National American Chemical Society Meeting in San Diego, CA" project from June 2021 to August 2021.

OK-INBRE awarded \$2,200 to fund the project, "Catalytic Deacemization of Amino Acids," from May 2022 to December 2022.

OK-INBRE awarded \$6,000 in the form of their SMaRT program to fund the project, "Catalytic Deracemization of Amino Acids," from May 2022 to December 2022. This program designed to support undergraduate research in the area of Biomedical Sciences at an early stage of students academic career. The program provides financial support for student salaries, faculty salaries, and limited funds for supplies.

## Research and Scholarly Activity

Dr. Ellis was awarded \$500 to travel to the American Chemical Society meeting in San Diego, CA to present the poster, "Structure/reactivity relationship of Ni(II) complexed glycine equivalents bearing various electron withdrawing groups."

## Organized Research

Dr. Ellis spent \$550 in Organized Research funding from the Dean of the College of Arts and Sciences for his project "Increasing the Efficiency of the Deracemization of a-Amino Acids with Proline Derived Ligands." This project created approximately 90 research hours for one student researcher.

# Dr. Amanda Evert

Department of Business



## Extramural Activity

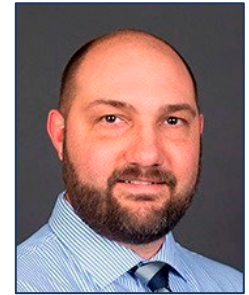
The Oklahoma Farm Bureau awarded \$5,000 to fund the project, "Establishing a OKCFB Chapter at SWOSU," from August 2021 to June 2031. Dr. Jerry Dunn is the Co-PI for this project. The goal of this project is to Host Discussion Meet Trainings and a Competition for local High School Students; Provide Outreach activities at local grade schools; Offer 2-3 small local ag tours for SWOSU students; and Host Lunch and Learn events for SWOSU. Students.

## Organized Research

Dr. Amanda Evert, along with Ms. Jonna Myers, spent \$2,418 in Organized Research funding from the Dean of the College of Professional and Graduate studies for her project "Emotional Intelligence studies in Business."

# Dr. Jeremy Evert

Department of Computer Sciences



## Extramural Activity

Dr. Evert applied for \$400,000 from the National Science Foundation for the project, “CC\* Compute: SWOSU Augmented Regional Gateway to the Open Science Grid,” from January 2022 to December 2023. With this project, SWOSU will provide a central computing resource to the entire campus through the university single sign on system. The objective of this activity is to lower the threshold to start using a central computing resource. The method of using the university single sign on system for user access and authorization would make the cluster available to SWOSU students and faculty on any network enabled device at the same level of difficulty as checking email or accessing our learning management system. This improves the democratization of research computing on our campus.

## Research and Scholarly Activity

Dr. Evert was awarded \$500 to travel to Cushing, OK to attend the Speedfest Competition with the SWOSU FireDawgs team.

# Dr. Daniel Farris

Department of Music



## Research and Scholarly Activity

Dr. Farris was awarded \$2,000 for him and his eight students to attend and partake in the 2022 SWACDA Collegiate Honor Choir in Little Rock, Arkansas.

# Mr. Phillip Fitzsimmons

Al Harris Library



## Scholarly and Academic Activity

Mr. Fitzsimmons presented, "Houston, We Have Liftoff!: Case Studies in Documenting Space and Astronomy in Archives," in Houston, TX.

Mr. Fitzsimmons reviewed the novel, *The Violet Apple*, by David Lindsay.

The workshop, "The Inklings and Horror: Fantasy's Dark Corners," was coordinated by Mr. Fitzsimmons.

Mr. Fitzsimmons published the chapter, "The David Oberhelman Collection of Science Fiction, Fantasy, and Tolkieniana at Oklahoma State University," in the book, *Loremasters and Libraries in Fantasy and Science Fiction: A Gedenkschrift for David D. Oberhelman*.

The book, *The Flight of the Wild Gander* by Joseph Campbell, was reviewed by Mr. Fitzsimmons.

The *Weatherford Daily News* interviewed Mr. Fitzsimmons for the article, "SWOSU installing Stafford Archives documenting space history."

Mr. Fitzsimmons interviewed General Thomas Stafford.

Mr. Fitzsimmons reviewed the article, "History in the Margins: Epigraphs and Negative Space in Robin Hobb's *Assassin's Apprentice*."

The book, *The Saga of the Volsungs: With the Saga of Ragnar Lothbrok*, translated by Jackson Crawford, was reviewed by Mr. Fitzsimmons.

Mr. Fitzsimmons reviewed the book, *Correspondence: 1927 – 1987* authored by Joseph Campbell.

Mr. Fitzsimmons also reviewed the book, *Ethics and Form in Fantasy and Literature: Tolkien, Rowling, and Meyer*, by Lykke Guanio-Uluru.

Mr. Fitzsimmons published the "Online Midwinter Seminar (OMS) #1 Report," newsletter.

# Dr. Barry Gales

Department of Pharmacy Practice



## Scholarly and Academic Activity

Dr. Gales served as a guest speaker at the Great Plains Family Medicine Residency Program in Oklahoma City, OK, presenting “2021 ACC Expert Consensus Decision Pathway on the Management of ASCVD Risk Reduction in Patients with Persistent Hypertriglyceridemia overview.”

Also at the Great Plains Family Medicine Residency Program in Oklahoma City, OK, Dr. Gales served as a guest instructor, providing the “2022 ACIP Pneumococcal Vaccine Update.”



# Dr. Mark Gales

Department of Pharmacy Practice



## Scholarly and Academic Activity

Dr. Gales reviewed the following articles:

- "Seizures Associated with Treatment of Hypercalcemia";
- "Statins and Immune-Mediated Necrotizing Myopathy: Variability in the risk with different statins";
- "How to Assess causality of Adverse Drug reactions in clinical practice? A Narrative review of Best practices in Post-authorization Settings"; &
- "Impact of Pharmacist-led Heart Failure clinic on optimization of guideline directed medical therapy in Veterans at a single center (PHARM-HF)."

# Dr. Mark Garcia

Department of Biological Sciences



## Research and Scholarly Activity

Dr. Garcia received \$500 to travel to Phoenix, Arizona to present at the Society of Integrative and Comparative Biology Annual Research Conference.

## Organized Research

Dr. Garcia used \$2,000 in Organized Research Funding from the Dean of the College of Arts and Sciences for his project, “Unraveling the Effects of Experience on Behavior: Examining Mechanisms that Translate Prior Experience into Behavioral Changes.” This project created approximately 100 student research hours for three student researchers.

# Dr. Fred Gates

Department of Social Sciences



## Scholarly and Academic Activity

Dr. Gates served as the chair of the session, “Session III – A History Examined,” for the National Social Science Association Annual Meeting in Las Vegas, NV.

Dr. Gates presented the paper, “Using Susanna Rowson's Novel Charlotte Temple to Teach Gender and Marriage in Colonial America,” in Las Vegas, NV.

# Dr. Swarup Ghosh

Department of Mathematics



## Organized Research

Dr. Ghosh was spent \$550 in Organized Research funding from the Dean of the College of Arts and Sciences for his project “Mathematical Analysis of a SIR Disease Model with Non-Constant Transmission Rate.” Dr. Ghosh’s project created approximately 69 research hours for one student researcher.

# Dr. Brooke Gildon

Department of Pharmacy Practice



## Scholarly and Academic Activity

Dr. Gildon presented the poster, "Assessment of Medication Errors Following Implementation of a Pediatric Clinical Pharmacist Medication Reconciliation Process in Children and Young Adults with Complex Medical and Physical Disabilities Transitioning Between a Pediatric Post-acute and Long-term Care Facility and an Acute Care Hospital," in Oklahoma City, OK.

Dr. Gildon received the Bernhardt Scholar Award.

Dr. Gildon presented the poster, "Medication Reconciliation Errors in Children and Young Adults with Complex Medical and Physical Disabilities Transitioning Between a Pediatric Post-Acute and Long-Term Care Facility and an Acute Care Hospital," in Norfolk, VA.

In a virtual workshop, Dr. Gildon presented, "Patient education and communication."

Dr. Gildon was honored at the Pediatric Pharmacy Association Fellow Awards Ceremony in Norfolk, VA.

Dr. Gildon served as a peer reviewer for platform presentations at GI section of the PPA annual meeting in Norfolk, VA.

Dr. Gildon was appointed as Region IV Councilor for the Rho Chi Honor Society.

# Dr. Sunil Giri

Department of Mathematics



## Organized Research

Dr. Giri spent \$623 in Organized Research funding from the Dean of the College of Arts and Sciences for her project “Mathematical analysis of SIR disease model with non-constant transmission rate.” Dr. Giri’s project created approximately 63 research hours for one student researcher.

# Dr. Scott Graham-Long

Department of Pharmaceutical Sciences



## Organized Research

Dr. Scott Graham-Long, along with Drs. Lisa Appeddu, Sally Drinnon, and Stephen Drinnon, spent \$4,025 in Organized Research funding from the Dean of the College of Pharmacy for their project “Investigating Changes in Salivary Measures as Physiological Indicators of the Potential Benefits of Mindfulness Activities – Part II.” This project created approximately 120 research hours for four student researchers.

# Dr. Lori Gwyn

Office of Sponsored Programs



## Extramural Activity

The US Department of Education awarded \$449,558 to fund the project, "SWOSU Title III Program Year 4," from October 2022 to September 2027. This funding has given SWOSU the opportunity to create the Academic Support Center (ASC). The Academic Support Center (ASC) was created to strengthen SWOSU's efforts toward student retention and degree completion. The Center integrates support services provided by the Office of Retention Management, the Student Success Center, and Career Exploration. Student services in the ASC include pre-advising assistance, career exploration services, academic tutoring, peer mentoring, and academic coaching from a professionally trained staff in each of these areas. Students can get assistance with time management, organization, study skills, and major selection.



# Dr. Hayden Harrington

Department of Computer Science



## Extramural Activity

The City of Weatherford Hotel/Motel Tax Commission awarded \$3,000 to fund the project, "OSE Esports Tournament," during April 2022. Over 20 schools, with around 200+ students, competed in 10 different games over three days in the Esports Arena at SWOSU.

# Dr. Aimee Henderson

Department of Rural Health



## Extramural Activity

The Oklahoma State Department of Health awarded \$227,000 to fund the project, “Improving the Health of Americans through the Prevention and Management of Diabetes, Heart Disease, and Stroke,” from July 2021 to June 2022. With this grant, SWOSU offers certificate trainings to Oklahoma pharmacists for CE and specialized training in cardiovascular/diabetes with the goal of successfully assessing risk, promoting cardiovascular disease prevention, and encouraging patient adherence to therapy.

Dr. Henderson applied for \$227,000 to fund the project, “Improving the health of Americans through the Prevention and Management of Diabetes, Heart Disease, and Stroke,” from June 2022 to June 2023.

# Dr. Jon Henrikson

Department of Chemistry and Physics



## Extramural Activity

OK-INBRE, through their Summer Undergraduate Research Program, awarded \$2,200 to fund the project, "Determination of pKa's of glycine metal complexes," from May 2021 to July 2021.

OK-INBRE awarded \$2,000 to fund the research project, "Spectroscopic Methods of Analysis for the Determination of the pKa's of Glycine Metal Complexes," during March 2022.

Through their Summer Undergraduate Research Program, OK-INBRE awarded \$2,200 to fund the project, "Method Development and Determination of the pKa of metal complexes by NMR," from June 2022 to July 2022.

## Research and Scholarly Activity

Dr. Henrikson received \$500 for him and his student to travel to the American Chemical Society Conference in San Diego, California to present their research.

## Organized Research

Dr. Jon Henrikson spent \$550 in Organized Research funding from the Dean of the College of Arts and Sciences for his project "Determination of Metal Complex pKa's by H-NMR in d7-DMF." This project created approximately 210 research hours for one student researcher.

# Dr. Jolie Hicks

Department of Language and Literature



## Scholarly and Academic Activity

Dr. Hicks presented the presentation, “Building Digital Portfolios in Google Sites to Boost Student Agency,” at a workshop in Tulsa, OK.

Dr. Hicks virtually presented her paper, “Examining Pre-Service Teachers’ Culturally Relevant Practices for Educator Program Improvement: A Narrative Portrait,” in Texas.

# Dr. Meri Hix

Department of Pharmacy Practice



## Scholarly and Academic Activity

Dr. Hix reviewed the course “Nephrology” at the 2022 Pharmacotherapy Pharmacy Preparatory Review and Recertification Course.

Dr. Hix reviewed the “2021 Updates Plus” in a Pharmacotherapy webinar.

Dr. Hix provided a review of “Oral Anticoagulation in Patients with Stage 5 or End-Stage Kidney Disease.”

Dr. Hix reviewed “Anticoagulant for Treatment and Prophylaxis of VTE Patients with Renal Dysfunction: A Systemic Review and Network Meta-Analysis.”

Dr. Hix reviewed “Death over Dessert- a conversation with pharmacy students about what really matters in the end.”

Dr. Hix also reviewed, “Evaluation of Kidney Diseases Content in Doctor of Pharmacy Curricula Across United States Pharmacy Programs.”

Dr. Hix was appointed the Chair of the ACCP’s Clinical Pharmacy Challenge in San Francisco, CA.

Dr. Hix reviewed “Preparing Pharmacy Educators as Expedition Guides to Support Professional Identity Formation in Pharmacy Education.”

Dr. Hix served as a guest instructor for “The Complicated Life of Warfarin and the Bridge over Clotting Waters.”

Dr. Hix reviewed “The Risk of Major Bleeding with Apixaban Administration in Patients with Acute Kidney Injury.”

# Dr. Tim Hubin

Department of Chemistry and Physics



## Extramural Activity

OK-INBRE awarded \$4,400 to fund the project, "OK-INBRE SURP," from June 2021 to August 2021.

OK-INBRE awarded \$2,000 to fund travel to the "2022 American Chemical Society Spring National Meeting," from November 2021 to April 2022.

OK-INBRE awarded \$2,200 to fund the project, "Chemokine Receptor Antagonists as Anticancer Agents," from June 2022 to August 2022.

OK-EPSCoR awarded for \$5,000 from OK-INBRE to fund the project, "Incorporating Macrocyclic Transition Metal Complexes into Polyesters and Recyclable Oxidation Catalysts for Water Purification," from June 2022 to August 2022.

The National Science Foundation awarded \$54,525 to fund the "Louis Stokes Alliance for Minority Participation in Science, Mathematics, Engineering, and Technology, Phase VI," project from June 2022 – August 2022. The Louis Stokes Alliance for Minority Participation (OK-LSAMP) is a consortium of Oklahoma colleges and universities working together to develop programs aimed at increasing the number of students from under-represented populations who receive degrees in Science, Technology, Engineering, and Mathematics (STEM) disciplines. Current goals and activities of OK-LSAMP focus on undergraduate research experiences, graduate school preparation, and international experiences.

The National Science Foundation awarded \$23,334 to fund the project, "High Valent Pd and Ni complexes of topologically constrained azamacrocycles for catalytic organometallic C-C bond formation," from June 2019 to August 2022.

OK-EPSCoR awarded \$71,455 to fund the project, "Socially sustainable solutions for Water, Carbon, and Infrastructure Resilience in Oklahoma – SWOSU," from July 2020 to June 2025. The goal of this project is to make pH insensitive metal catalysts that activate O<sub>2</sub> or H<sub>2</sub>O<sub>2</sub> towards the oxidation of organic pollutant molecules such as dyes, pharmaceuticals, and pesticides.

OK-INBRE awarded \$5,000 to fund the project, "Incorporating Macrocyclic Transition Metal Complexes into Polyesters and Recyclable Oxidation Catalysts for Water Purification," from June 2022 to August 2022.

# Mr. Paul Hummel

Department of Parks and Recreation Management



## Extramural Activity

The Oklahoma State Department of Tourism awarded \$77,000 to fund the project, "Crowder Lake Nature Trail," from May 2021 – April 2022. This project funded the expansion and resurfacing of the Crowder Lake Nature Trail. Over the years, the walking trail has eroded and this grant expanded it back to the ADA compliant eight feet in width.

# Dr. Shuo-Hui (Sophie) Hung

Department of Music



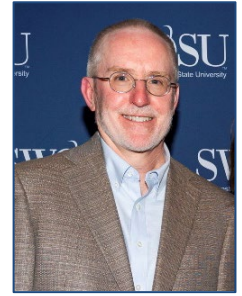
## Organized Research

Dr. Hung spent \$1,500 in Organized Research funding from the Dean of the College of Arts and Sciences for her project “Investigation of molecular mechanism of the anticancer activity of novel lead LDH inhibitors.”



# Dr. Jason Johnson

College of Arts and Sciences



## Extramural Activity

OK-INBRE awarded \$52,546 to fund the project, "OK-INBRE Carry-over Funds," from January 2022 to March 2022. These funds were used to purchase equipment to support research activities by several faculty members and will provide students with experience utilizing equipment used in biomedical assays and research.

# Dr. Jeremy Johnson

Department of Pharmacy Practice



## Scholarly and Academic Activity

Dr. Johnson published the journal article, “Probable dapagliflozin-associated acute pancreatitis,” in *Diabetes Spectrum* in Tulsa, OK.

Dr. Johnson reviewed the following:

- Development of a community pharmacy-based intervention for patients with uncontrolled asthma—1<sup>st</sup> review
- Development of a community pharmacy-based intervention for patients with uncontrolled asthma—2<sup>nd</sup> review
- Development of a community pharmacy-based intervention for patients with uncontrolled asthma—3<sup>rd</sup> review

At the 2021 ASHP Midyear Clinical Virtual Meeting in Tulsa, OK, Dr. Johnson co-presented the following posters:

- “Tirzepatide: a novel dual glucose-dependent insulinotropic polypeptide (GIP) and glucagon-like peptide-1 receptor agonist (GLP-1RAs) injectable treatment for Type 2 Diabetes (T2DM);”
- “Evinacumab-dgnb: an innovative new treatment option for homozygous familial hypercholesterolemia;”
- “Ultra-rapid insulin for type 1 and type 2 diabetes: faster aspart and lispro-aabc;” &
- “Insulin glargine-yfgn: the first interchangeable biosimilar insulin.”

Dr. Johnson reviewed, “Impact of embedded clinical pharmacists on the work environment in ambulatory care clinics.”

For the *Journal of Diabetes Science and Technology*, Dr. Johnson co-published the article, “The first interchangeable biosimilar insulin: Insulin glargine-yfgn.”

Dr. Johnson reviewed, “Personality: A Potentially Untapped Resource in the Selection of Postgraduate Pharmacy Residents.”

Dr. Johnson reviewed Significant Publications in Diabetes Pharmacotherapy and Technology in 2020.

Dr. Johnson reviewed, “Use of Novel Insulin Delivery Device Significant Increases Overall Treatment Satisfaction, Reduces Diabetes Burden and Improves Psychological Well-Being.”

# Ms. Dawn Keller

Department of Education

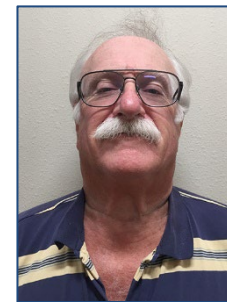


## Research and Scholarly Activity

Ms. Keller was awarded \$500 to travel to Myrtle Beach, South Carolina to present, “Children’s Literature + Laughter = Social -Emotional Learning,” at the Southern Early Childhood Association and the South Carolina Early Childhood Association.

# Dr. William Kelley

Department of Chemistry and Physics



## Research and Scholarly Activity

Dr. Kelly was awarded \$500 to travel to San Diego, California to present, "Predicting the enthalpy of activation for abstraction of a hydrogen atom from methane by a chlorine atom: Benchmark comparison of recent DFT functionals," at the American Chemical Society Conference.

# Dr. Joel Kendall

Provost and Vice President for Academic Affairs



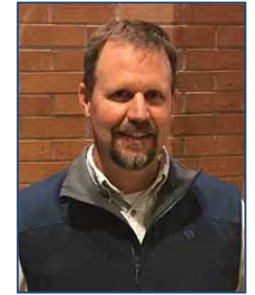
## Extramural Activity

The Oklahoma State Regents for Higher Education awarded \$40,000 to fund the project, “SWOSU Microcredentialing,” from December 2021 to June 2022. This project improves education opportunities and workforce development outcomes, including development of micro-credentials for local business and industry workforce needs.

The Oklahoma State Regents for Higher Education Awarded \$40,000 to fund the project, “FY22 UpskillOK Funding,” from June 2022 to July 2023. With this project, SWOSU can provide three micro-credentials through the School of Business and Technology – Advanced Marketing Communications, Authentic Leadership, and Business Integrity. Student scholarships have been provided to students in the two interim courses that will lead to the Advanced Marketing Communications and Authentic Leadership Credentials.

# Dr. Chad Kinder

College of Professional and Graduate Studies



## Extramural Activity

Dr. Kinder applied for \$175,000 from the Gates Foundation to fund the project, “SWOSU-Yukon Partnership for Associate’s Degree Pathway,” from February 2022 to June 2022. The partnership between Yukon Public Schools (YPS) and Southwestern Oklahoma State University (SWOSU) is intended in general to increase the skilled workforce in our state. For this project specifically, we will focus on increasing student training in the health care sector as this is a top priority for our current legislative authorities and for the citizens of our state. We propose to accomplish this goal by offering multiple pathways to completing Associate's degrees (most specifically the Associate's in Science in Health Sciences). Students would then be able to seek a job as they finish high school, or seek to enter a professional program to specialize in a specific healthcare setting, or seek to continue their education by earning a Bachelor's degree at SWOSU in any number of our health careers.

# Dr. Jeremy Klingler

Department of Biological Sciences



## Organized Research

Dr. Klingler spent \$2,000 in Organized Research funding from the Dean of the College of Arts and Sciences for his project "Contrast-enhanced computed tomographic (CT) mapping of reptilian blood vessels." Dr. Klingler's project created over 60 research hours for two student researchers.

# Dr. Kriss Kirk

Department of Language and Literature



## Scholarly and Academic Activity

Dr. Kirk presented her paper, "Reach Them Where They Are: Using Pop Culture to Create Awareness," in Dallas, TX.



# Dr. Sunu Kodumthara

Department of Social Sciences



## Scholarly and Academic Activity

Dr. Kodumthara participated in a discussion in Oklahoma City, OK, titled, "Oklahoma Bestsellers, Nonfiction; This Land is Herland: Gendered Activism in Oklahoma, #2."

# Dr. Howard Kurtz

Department of Social Sciences



## Scholarly and Academic Activity

Dr. Kurtz served as a guest speaker, presenting, "Mentoring University Student Groups in Criminal Justice," in Las Vegas, NV.

Dr. Kurtz published the chapter, "Youth Crime in Grand Cayman Islands Caribbean," in the book, *Crime and Violence in the Caribbean*.

# Dr. Hsuan-Yu (Alex) Lee

Department of Music



## Research and Scholarly Activity

Dr. Lee was awarded \$500 to participate in in the third Antal Dorati International Conducting Competition in Budapest, Hungary.

## Organized Research

Dr. Lee spent \$550 in Organized Research funding from the Dean of the College of Arts and Sciences for his project "R. Schumann Piano Concerto in A minor." Dr. Lee's project created 16 research hours for 35 student researchers.

# Dr. Sophia Lee

Department of Music



## Research and Scholarly Activity

Dr. Lee was awarded \$224 to virtually present at an online American Music Therapy Association Conference.

# Dr. Marc Leonard

Department of Business



## Research and Scholarly Activity

Dr. Leonard was awarded \$500 to travel to Cushing, Oklahoma to attend the Speedfest competition with the SWOSU FireDawg Team.

# Dr. Doug Linder

Department of Chemistry and Physics



## Extramural Activity

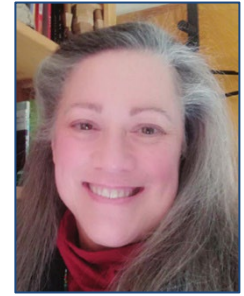
OK-INBRE awarded \$13,833 to fund the project, "Learning Molecular characterization Techniques of Biomedical Polymers and Materials," from May 2021 to July 2021. This research project will provide hands-on experience in the theory and use of state-of-the-art characterization instruments to characterize polymers.

Dr. Linder applied for \$75,000 from OK-EPSCoR to fund the project, "Enhanced Polymeric Macrocyclic Transition Metal Complexes as Recyclable Oxidation Catalysts for Water Purification," from May 2022 to April 2023. The project aims at making the wastewater purification process "greener" by: a) using water as the solvent; b) using ubiquitous and non-toxic metal ions like Mn, Fe, or Cu in the proposed catalysts; c) using "green" oxygen or hydrogen peroxide oxidants whose only byproducts are water; and d) developing methods for immobilizing identified catalysts into insoluble polymer supports to render them heterogeneous and more easily recovered.

Dr. Linder also applied for \$75,000 from OK-EPSCoR to fund the project, "Enhanced Polymeric Macrocyclic Transition Metal Complexes as Recyclable Oxidation Catalysts for Water Purification," from July 2022 to June 2023. Dr. Linder's Co-PI for this project is Dr. David Martyn. The project aims at making the wastewater purification process "greener" by: a) using water as the solvent; b) using ubiquitous and non-toxic metal ions like Mn, Fe, or Cu in the proposed catalysts; c) using "green" oxygen or hydrogen peroxide oxidants whose only byproducts are water; and d) developing methods for immobilizing identified catalysts into insoluble polymer supports to render them heterogeneous and more easily recovered.

# Dr. Kelley Logan

Department of Language and Literature



## Scholarly and Academic Activity

Dr. Logan served as a guest speaker at the WPLS Chautaugqua Summer Reading Series, presenting, "Tall Tales, Myth and Legends: The Ghosts of Oklahoma."

# Dr. Diana Lovell

President of SWOSU



## Extramural Activity

President Lovell applied for \$10,000,000 from the State of Oklahoma ARPA to fund the project, “Hodge Center,” from January 2022 to December 2026. The goals of this project is to: build a stronger, more innovative and more diverse economy for Oklahoma; enhance capabilities of services for the well-being of all citizens, especially the most vulnerable; and invest in physical and digital infrastructure to expand opportunities across Oklahoma.



# Dr. Phillip Martinson

Department of Music

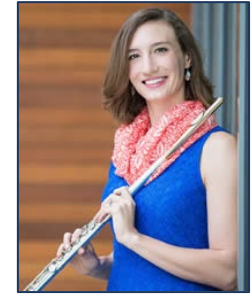


## Organized Research

Dr. Martinson spent \$2,000 in Organized Research funding from the Dean of the College of Arts and Sciences for his project "Publishing an Original Composition for Trombone."

# Dr. Shelley Martinson

Department of Music



## Extramural Activity

Dr. Martinson applied for \$24,737 from the McCasland Foundation to fund the project, “Establishing a Community Music Program,” from August 2022 to December 2031. With this funding, materials will be purchased to begin the program, support to develop the SWOSU Music Academy’s String Program, establishment of a scholarship fund, and the creation of an instrument repair fund to support the L.I.N.K. program.

# Dr. David Martyn

Department of Chemistry and Physics



## Extramural Activity

SWOSU was awarded \$2,200 from OK-INBRE to fund the project, “Application of 1D and 2D 300 MHz NMR techniques to the structure elucidation of cholesterol and cholesterol derivatives,” from May 2021 – July 2021. This project is part of OK-INBRE’s Summer Undergraduate Research Program (SURP) and provides a student with supplies to use for their summer research project.

OK-INBRE awarded \$2,200 to fund the project, “Synthesis of amine functionalized cholesterol derivatives for use in metal-complex based imaging agents,” from May 2022 to August 2022. This award, part of OK-INBRE’s Summer Undergraduate Research Program, provided two students with supplies to conduct their summer research.

# Dr. Regina McGrane

Department of Biological Sciences



## Extramural Activity

The Beta Beta Beta Biological Honor Society awarded \$450 to fund the project, "Investigating Potential Circadian Rhythms in *Pseudomonas Syringae*," from October 2021 to August 2022.

The Beta Beta Beta Biological Honor Society awarded \$450 to fund the project, "Evaluating the role of motility and biofilm factors in the pathogenicity of *Pseudomonas aeruginosa*," from October 2021 to August 2022.

Dr. McGrane applied for \$7,200 from OK-INBRE to fund the project, "Identifying Chemoreceptors Responsible for Detecting Syringafactin," from May 2022 to August 2022.

The National Science Foundation awarded \$2,000 to fund travel to the "Bean Beetle Microbiome CURE Workshop," from June 2022 to June 2023. This grant provided the opportunity to attend a workshop about implementing a bean beetle microbiome curricular based research experience.

OK-INBRE awarded \$6,000 to fund the project, "Investigating *Escherichia coli* and *Pseudomonas aeruginosa* pathogenicity in *Galleria mellonella* following exposure to syringafactin," from May 2022 to August 2022.

Dr. McGrane applied for \$600 to fund the project, "National TriBeta Convention Student Travel Grants," during June 2022.

ENCOUR awarded \$9,000 to fund the project, "Ethics Network for Course-based Opportunities in Undergraduate Research (ENCOUR) Fellowship Program," from July 2022 to August 2023. The goal of this project is to participate in the ENCOUR fellowship program, providing a year-long mentored opportunity for CURE instructors, designers, and/or facilitators to develop and field-test resources to integrate Ethics/Responsible Conduct of Research (E/RCR) education into their CUREs.

## Scholarly and Academic Activity

Dr. McGrane received \$2,100 for her and her students to attend the Beta Beta Beta National Biological Honor Society Convention in

Cedar Hill, Texas.

Dr. McGrane presented the following posters:

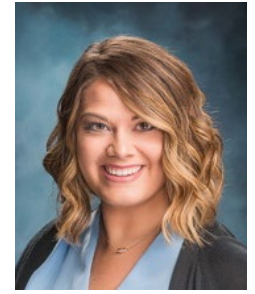
- "Characterization of Biosurfactant Chemoreceptors in *Pseudomonas aeruginosa*;"
- "Evaluating pathogenicity of *Pseudomonas aeruginosa* by manipulating genes associated with motility and biofilm formation"
- "Investigating the impact of phytopathogen competition on the survival of *Salmonella enterica* and *Escherichia coli* on lettuce;"
- "Understanding Doorhandle Microbes at SWOSU;" &
- "Characterization of the Antimicrobial Properties of Syringafactin."

## **Organized Research**

Dr. McGrane spent \$550 in Organized Research funding from the Dean of the College of Arts and Sciences for his project "Characterizing the behaviors of environmental isolates of the phytopathogen *Pseudomonas syringae*." Dr. McGrane's project created approximately 150 research hours for two student researchers.

# Ms. Kayla McQuillan

SWOSU Foundation



## Extramural Activity

The City of Weatherford Hotel/Motel Tax Commission awarded \$15,000 to fund the “SWOSU University Rodeo” project during April 2022. This funding supported SWOSU’s hosting a three-day NIRA rodeo brought 400 – 600 contestants to Weatherford.

# Dr. Holly Mace

Department of Social Sciences



## Organized Research

Dr. Holly Mace was awarded \$408 in Organized Research funding from the Dean of the College of Professional and Graduate studies for her project "CPGS Survey Monkey Annual Fee."

# Doug Misak

Business Enterprise Center



## Extramural Activity

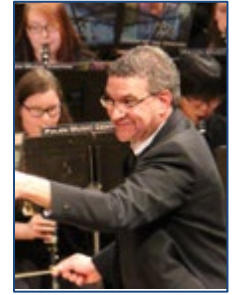
The Oklahoma State Regents for Higher Education awarded \$500 in the form of their “Partnership Recognition Program FY21,” from July 2021 to December 2021.

The Oklahoma State Regents for Higher Education awarded \$500 in the form of their “Partnership Recognition Program FY22,” from March 2022 to December 2022.



# Dr. Marc Mueller

Department of Music



## Research and Scholarly Activity

Dr. Mueller was awarded \$1,546 for him and his students to travel to Tulsa, Oklahoma and perform with the Oklahoma Intercollegiate Honor Band.

# Frederic Murray

Al Harris Library



## Scholarly and Academic Activity

Mr. Murray served as a guest speaker at the 11<sup>th</sup> National Conference of African American Librarians and presented, "Critical Librarianship & The Bibliographic Legacies of Historian John Hope Franklin," in Tulsa, OK.

# Dr. Jonna Myers

Department of Business



## Organized Research

Dr. Jonna Myers, along with Dr. Amanda Evert, spent \$2,418 in Organized Research funding from the Dean of the College of Professional and Graduate studies for her project “Emotional Intelligence studies in Business.”

# Ms. Jamie Novey

Upward Bound



## Extramural Activity

The “Upward Bound Grant Proposal FY22” was funded by the U.S. Department of Education for \$450,677 from September 2021 to August 2022. Upward Bound (UB) is a federally funded program that provides fundamental support to participants in their preparation for college entrance. It provides opportunities for participants to succeed in their precollege performance and ultimately in their higher education pursuits. During the school year, students attend monthly academic meetings and participate in an online tutoring program. During the summer, students live on the SWOSU campus and participate in a full schedule of academic, social (including sports), and cultural activities for six weeks. During the school year and summer, students will also receive personal and academic counseling, assistance with financial aid and college admission applications, preparation for the ACT, an ACT fee waiver, will visit college campuses, and will be exposed to professional careers and mentors.

Ms. Novey also applied for \$450,677 to fund the project, “Upward Bound Grant Proposal,” from September 2022 to August 2027.

# Dr. Dana Oliver

Department of Education



## Research and Scholarly Activity

Dr. Oliver received \$500 to present the papers, "Discovering Forces Facilitating Leisure Reading Dispositions of Elementary Preservice" and "Reintroducing Student Voice: How to get our Classrooms abuzz with Discussion Post-Pandemic," at the National Social Science Conference in San Diego, California.

# Dr. Taylor Orgeron

Department of Language and Literature



## Scholarly and Academic Activity

Dr. Orgeron presented the paper, "'Hacking' Academic Prose as a Critical Reading Strategy for First-Year Composition."

# Ms. Marla Pankratz

Department of Education



## Extramural Activity

The Oklahoma State Department of Education awarded \$150,000 to fund the project, “LEG Up,” from January 2022 to December 2022. Dr. John Pagliasotti is the Co-PI on this project. Learning through Engagement and Growth, United Partners! (LEG UP) is based on the simple idea that summer and afterschool-times are easily overlooked, yet critical to educational development and are bursting with possibility and instrumental in closing the achievement gap between privileged children and less-resourced children.

## Scholarly and Academic Activity

Ms. Pankratz was awarded \$500 to travel to Myrtle Beach, South Carolina to present, “Literature + Laughter = Social Emotional Learning,” at the Southern Early Childhood Association and the South Carolina Early Childhood Association.

Ms. Pankratz presented the poster, “The Effectiveness of Guided Math Instruction in a First Grade Classroom.”

She also presented the poster, “Tier 2 Early Literacy Interventions Utilizing Really Great Reading.”

# Dr. Patsy Parker

Vice President for Student Affairs



## Extramural Activity

Dr. Parker applied for \$5,000 from the Women's Foundation of Oklahoma to fund the project, "Single Parent's Network," from May 2022 to April 2023. The Single Parent Network focuses on single parents, typically young women, struggling to complete their degree by identifying effective strategies to meet the varied needs of those parents. The goal of this project is to be a resource for Single Parent's in their pursuit of higher education and career development. The following activities are meant to support this goal: provide activities for the families to meet and literally form a support network with each other; provide funding for childcare services for a parent to attend campus advising sessions, meetings with professors about academic concerns, and/or to meet with a campus counselor/school nurse for mental/physical health concerns; provide supplies to make family home life easier. For example, hygiene products such as fun toothbrushes and hair detangler to make the morning routine easier for the family; provide supplies such as padfolios or other professional gear to prepare the student for career fairs; and provide resources for parents to bond with their children in a fun environment. This will include providing tickets to visit places like the zoo or P-Bar Farms.

## Research and Scholarly Activity

Dr. Parker was awarded \$500 to travel to San Antonio, Texas and serve as a session chair and presenter at the Academy of Business Research Conference.



# Dr. Edna Patatanian

Department of Pharmacy Practice



## Scholarly and Academic Activity

Dr. Patatanian reviewed the following:

- "Association between social engagement and stigmatization of COVID-19 infection among community population in Japan;"
- "Octreotide Dosing in the Medical Management of Chyle Leak Following Otolaryngologic, Thoracic, and Trauma Surgery: A 9-Year Evaluation. Manuscript ID: JPP-22-0156;"
- "Risk of falls associated with long-acting benzodiazepines or tricyclic antidepressants use in community-dwelling older adults: A nationwide population-based case-crossover study. Manuscript ID: ijerph-1727563;"
- "Fractured timelines: reporting patterns for bisphosphonate-associated atypical fractures and implications for post-market surveillance. Manuscript ID: 0422-0028.;"
- "Multi-center, Cross-sectional Prospective Study: The Predictors of Postoperative Delirium at Surgical Units in Sudan;"
- "Advances in Pharmacotherapy for Postpartum Depression. Manuscript ID: TPP-21-05-020;"
- "Emergency preparedness for the COVID-19 pandemic: social determinant predicting the community pharmacists' preparedness and perceived response. Manuscript ID: 1709894;" &
- "Evaluation of the Use of a Second Dose of Methotrexate for the Treatment of Tubal Ectopic Pregnancy."

Dr. Patatanian served as a State Delegate for the OSHP in Phoenix, AZ.

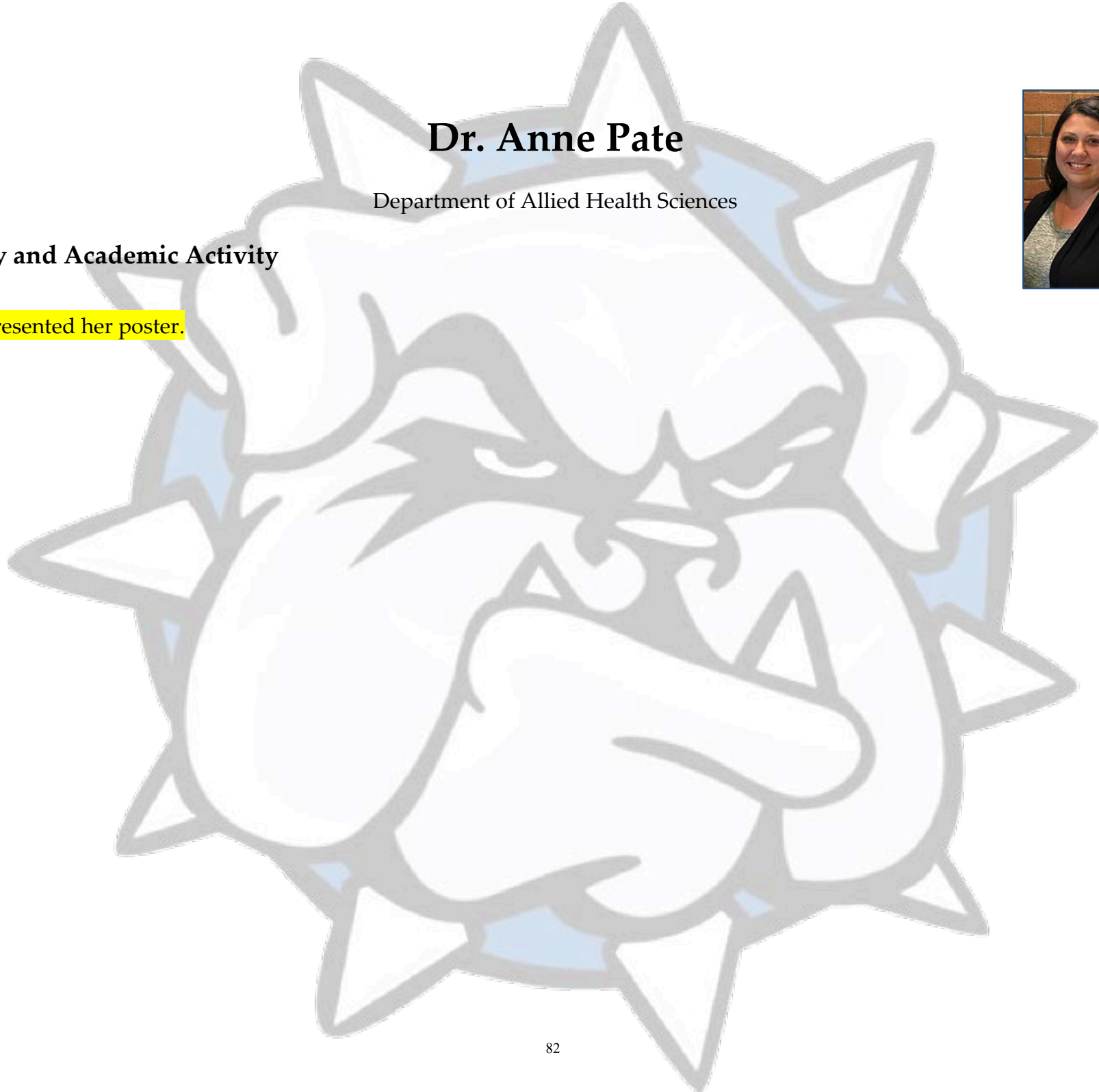
# Dr. Anne Pate

Department of Allied Health Sciences



## Scholarly and Academic Activity

Dr. Pate presented her poster.



# Ms. Robyn Randol

Department of Education



## Research and Scholarly Activity

Ms. Randol was awarded \$500 to travel to Myrtle Beach, South Carolina to present, “Literature + Laughter = Social Emotional Learning,” at the Southern Early Childhood Association and the South Carolina Early Childhood Association.

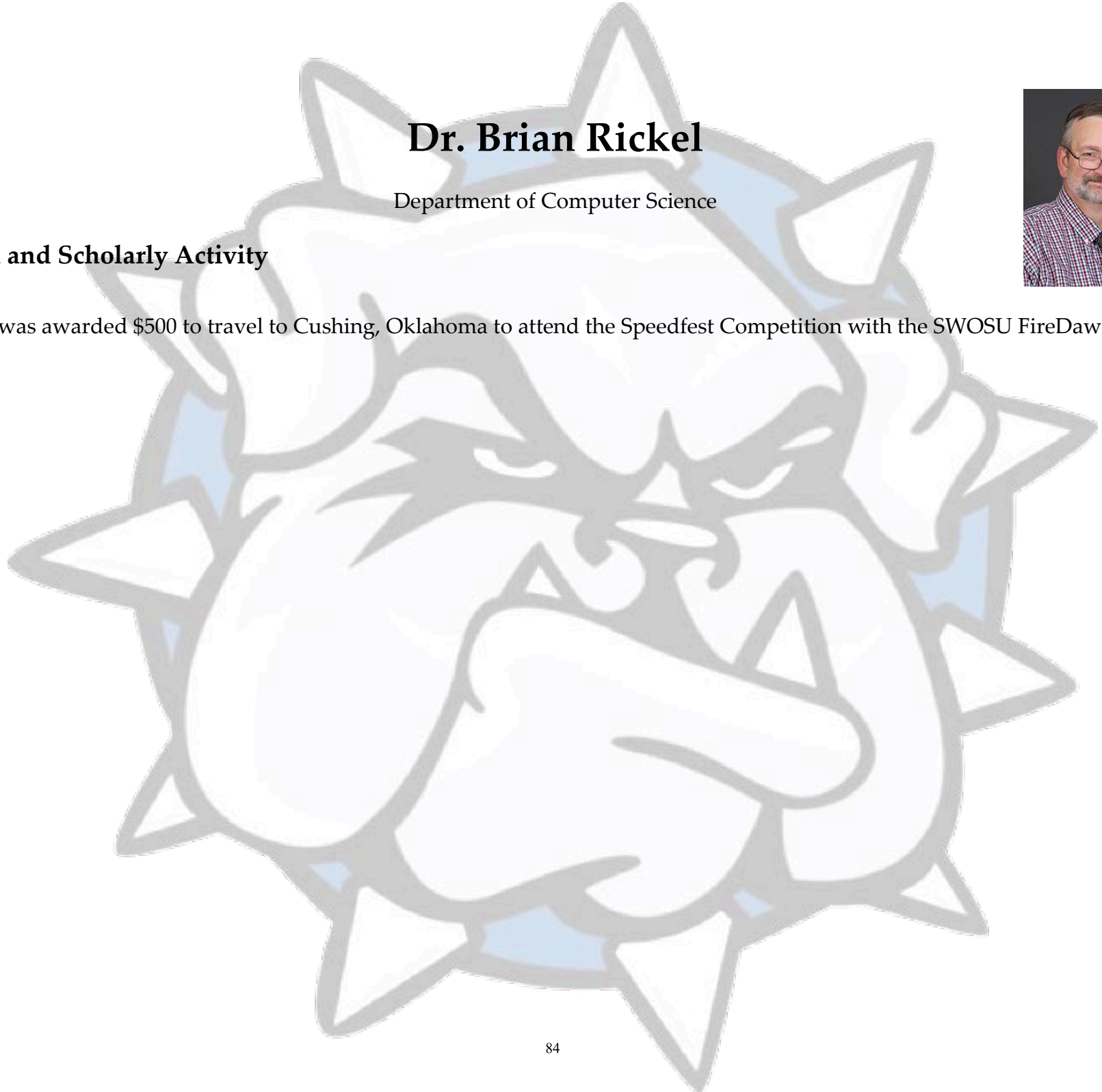
# Dr. Brian Rickel

Department of Computer Science



## Research and Scholarly Activity

Dr. Rickel was awarded \$500 to travel to Cushing, Oklahoma to attend the Speedfest Competition with the SWOSU FireDawgs team.



# Dr. Hardeep Saluja

Department of Pharmaceutical Sciences



## Scholarly and Academic Activities

Dr. Saluja presented, "Drugs and Diseases Don't Discriminate," in Satna, India.

Dr. Saluja served as a guest speaker in Savannah, GA and presented, "Research is Fun 'Yeah, right.'"

# Dr. Mapopa Sanga

Center for Excellence in Teaching and Learning



## Scholarly and Academic Activity

Dr. Sanga was awarded \$500 to travel to Chicago, Illinois to present the paper, "Operationalizing Faculty Development Online: Analyzing the Impact of a Purposefully Designed Online Faculty Development Course," at the Educational Communications and Technology Conference.

# Dr. Tugba Sevin

Department of Language & Literature



## Scholarly and Academic Activity

Dr. Sevin was awarded \$500 to virtually present her paper at the ADVED 21 International Conference on Advances in Education.

# Dr. Horrnick Sharma

Department of Pharmaceutical Sciences



## Extramural Activity

The National Institute of Health, through OK-INBRE, awarded \$55,697 to fund the research project, “Development of Small Molecule Inhibitors Targeting Cancer Metabolism,” from May 2019 to October 2021. The goal of this project is to develop a first-in-class LDH inhibitor for a more comprehensive preclinical study to advance new therapeutic options, combining novel drug targets for pancreatic cancer.

The National Institute of Health, through OK-INBRE, awarded \$43,681 to fund the research project, “Development of a Novel Class of LDH Inhibitors Against Pancreatic Cancer,” from November 2021 to April 2024. The goal of this project is to develop a first-in-class LDH inhibitor for a more comprehensive preclinical study to advance new therapeutic options, combining novel drug targets for pancreatic cancer.



# Dr. Pragma Sharma

Department of Biological Sciences



## Extramural Activity

The Beta Beta Beta Honor Society awarded \$450 to fund the project, "Exploration of the molecular mechanism of anticancer activity of novel Lactate Dehydrogenase inhibitors against pancreatic cancer cell line, MIA PaCa-2," from November 2021 to May 2022. Evaluations have found that several synthesized LDHA inhibitors exhibited anticancer activities; however, the mechanism of their antiproliferative activity is unknown. This research is focused on understanding the mechanism of anticancer activity expressed by our compounds of interest.

Dr. Sharma applied for \$403,549 from the National Institute of Health to fund the project, "Novel LDH Inhibitors as Anticancer Lead Compounds," from June 2022 to July 2022.

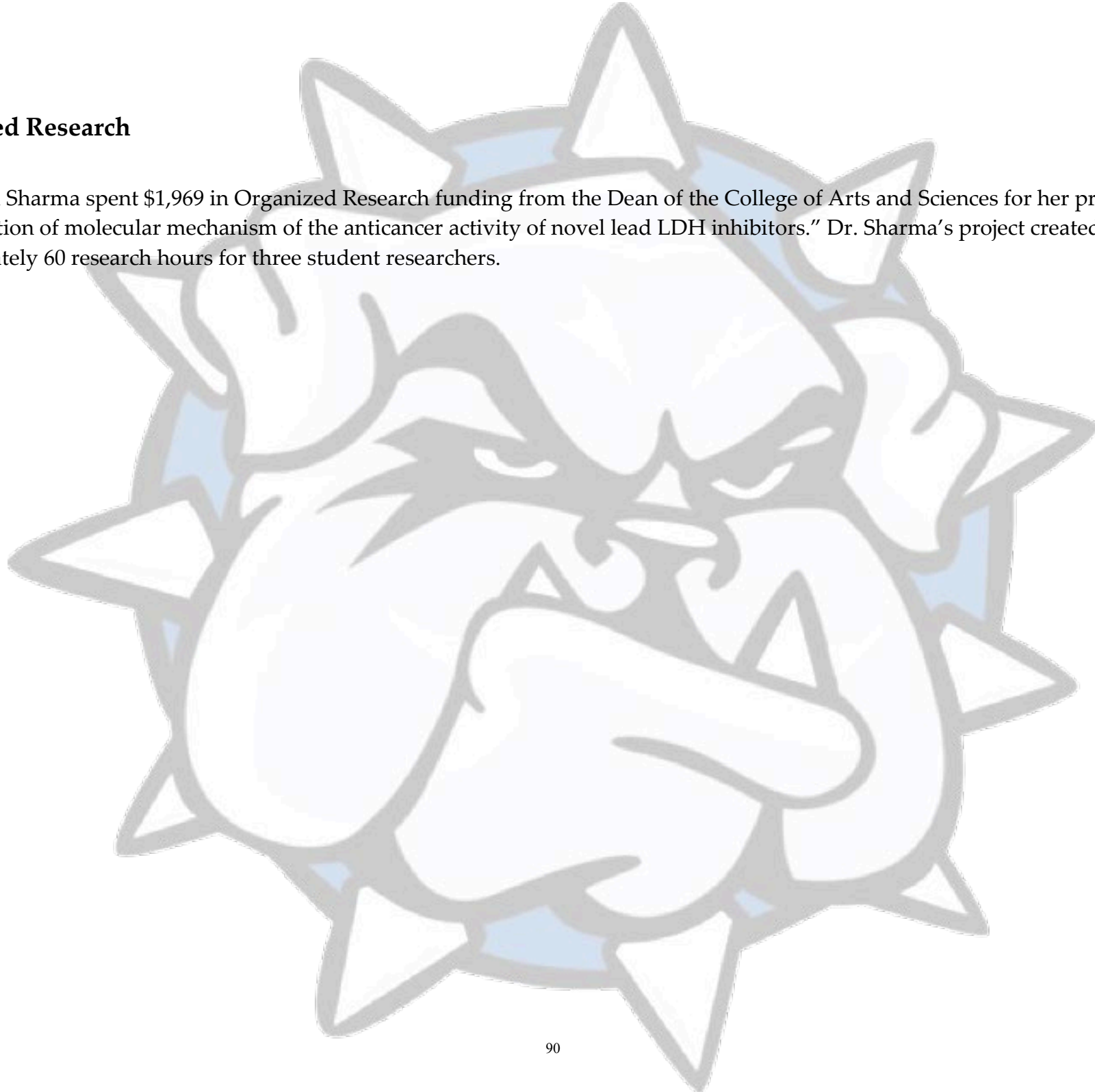
OK-INBRE awarded \$2,200 from their Summer Undergraduate Research Program to fund the project, "Cancer Metabolism," from June 2022 to July 2022. The goal of this research is to understand the metabolic dependencies of cancer cells and evaluate the potential of metabolic enzyme inhibitors as anticancer agents.

Dr. Sharma Applied for \$32,649 from OK-INBRE to fund the research project, "Exploring Mechanisms of Metabolic Plasticity in Breast Cancer," from May 2022 to April 2023. The project will identify the gene regulatory network and cell signaling pathway involved in metabolic plasticity. These preliminary studies will contribute to exploring altered tumor metabolism in breast cancer models and has the potential to advance our understanding of therapeutic strategies targeting metabolic vulnerabilities in cancer cells.

OK-INBRE, through their SMaRT program, awarded \$6,000 to fund the research project, "Dual Targeting of mitochondrial bioenergetics and glycolysis in pancreatic cancer cells," from June 2022 to July 2022. This project seeks to investigate the interplay between Warburg and OXPHOS in pancreatic cancer cell line models. We will use pharmacological inhibitors of glycolysis and mitochondrial OXPHOS to investigate the role of these two metabolic pathways in the survival of pancreatic cancer cells. This preliminary study can advance our understanding of therapeutic strategies to target the metabolic vulnerabilities of cancer cells.

## Organized Research

Dr. Pragya Sharma spent \$1,969 in Organized Research funding from the Dean of the College of Arts and Sciences for her project “Investigation of molecular mechanism of the anticancer activity of novel lead LDH inhibitors.” Dr. Sharma’s project created approximately 60 research hours for three student researchers.



# Dr. Randall Sharp

Department of Pharmacy Practice



## Scholarly and Academic Activity

Dr. Sharp reviewed the article, "Multi-center Cross-sectional Prospective Study: The Predictors of Postoperative Delirium at Surgical Units in Sudan."

Dr. Sharp also reviewed the article, "Octreotide Dosing in the Medical Management of Chyle Leak Following Otolaryngologic, Thoracic, and Trauma Surgery: A 9-Year Evaluation."

# Dr. Vijay Somalinga

Department of Biological Sciences



## Extramural Activity

OK-INBRE awarded \$2,200 to fund the project, “Elucidating the Structural and Biochemical Properties of a Putative Enamine Deaminase and a Putative Amino Acid Binding Protein from a Pathobiont, *Streptococcus Sanguinis*,” from May 2021 to July 2021.

OK-INBRE awarded \$14,205 to fund the research project, “Developing New Experiential Activity in Virology and Mycology for Undergraduate Microbiology Programs,” from June 2021 to July 2021. The goal of this project is to develop new experiential laboratory activities in virology and mycology and supplementary material for biochemical identification of bacteria to further, strengthen, and upgrade the existing microbiology laboratory section of the curriculum.

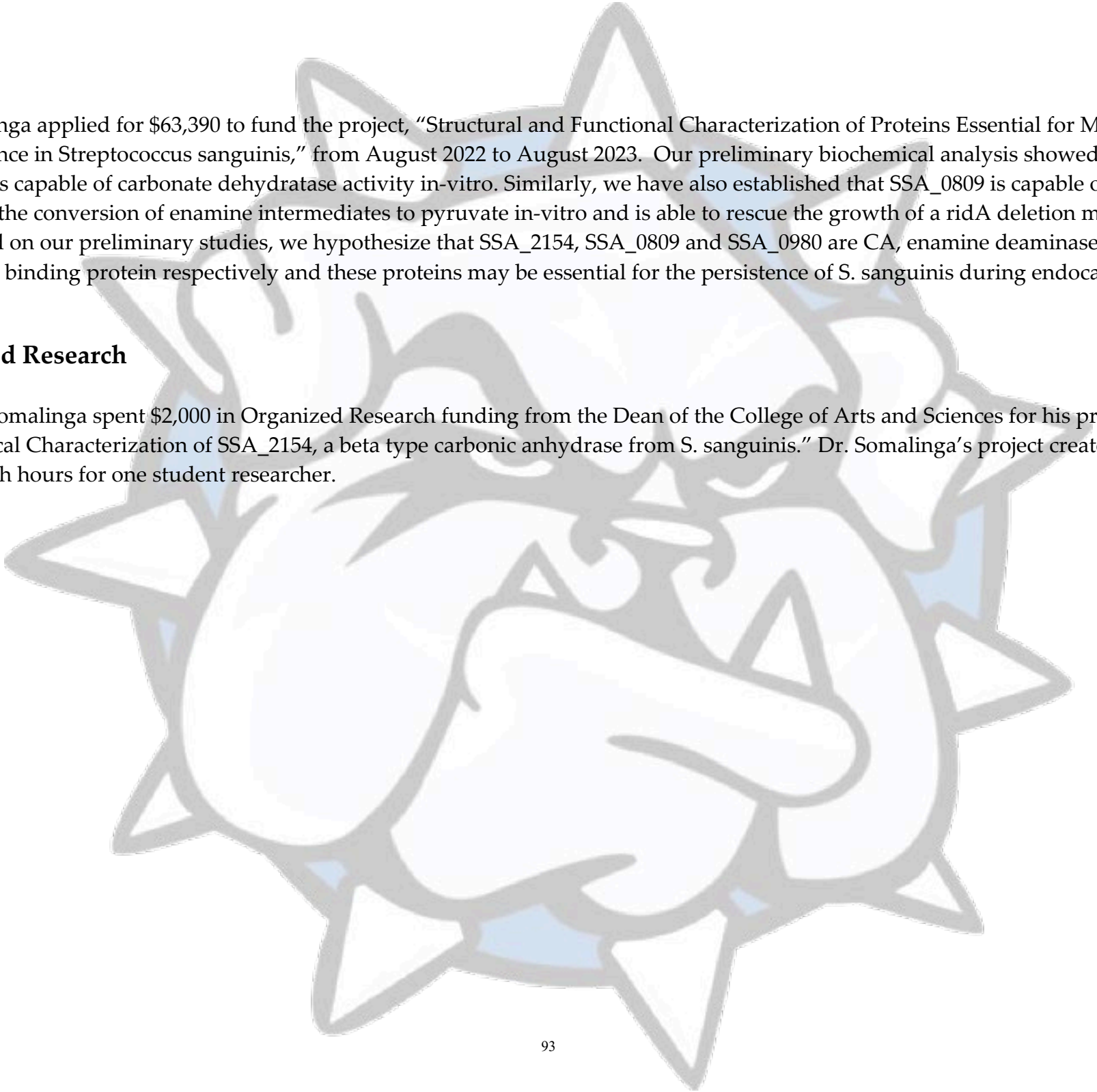
OK-EPSCoR awarded \$6,500 to fund the research project, “Biochemical Characterization of SSA\_2154a  $\alpha$ -Carbonic anhydrase from *Streptococcus sanguinis*,” from August 2021 to December 2021.

The Beta Beta Beta Honor Society awarded \$550 to fund the project, “Structural & Functional Characterization of DNA Binding Protein,” from October 2021 to August 2022.

Dr. Somalinga applied for \$2,200 from OK-INBRE to fund his Summer Undergraduate Research Program project, “Biophysical and Structural Characterization of Dps Homologs, Ro00101 and Ro08251 from *Rhodococcus jostii* RHA1,” from May 2022 to July 2022. The goal of this project is to characterize Dps1 and Dps2 using structural and biophysical methods.

Dr. Somalinga also applied for \$32,575 from OK-EPSCoR to fund the project, “Rational Protein Engineering of a Bacterial Carbonic Anhydrase for Biological Carbon Capture and Mineralization,” from July 2022 to August 2022. Our preliminary analysis indicated that *Photobacterium profundum* Carbonic anhydrases (PprCA) accelerates calcite precipitation in alkaline solutions, a property that can be exploited for the production of raw materials required in the manufacture of renewable building materials such as biocement.

OK-EPSCoR awarded \$6,500 to fund the project, “Structural and Biochemical Characterization of  $\alpha$ -carbonic anhydrases from *Rhodococcus equi*,” from May 2022 to July 2022. The goal of this project is to complete the biochemical and structural characterization of two newly identified  $\beta$ -carbonic anhydrases from *R. equi*.



Dr. Somalinga applied for \$63,390 to fund the project, “Structural and Functional Characterization of Proteins Essential for Metabolism and Virulence in *Streptococcus sanguinis*,” from August 2022 to August 2023. Our preliminary biochemical analysis showed that SSA\_2154 is capable of carbonate dehydratase activity in-vitro. Similarly, we have also established that SSA\_0809 is capable of catalyzing the conversion of enamine intermediates to pyruvate in-vitro and is able to rescue the growth of a *ridA* deletion mutant in-vivo. Based on our preliminary studies, we hypothesize that SSA\_2154, SSA\_0809 and SSA\_0980 are CA, enamine deaminase and amino acid binding protein respectively and these proteins may be essential for the persistence of *S. sanguinis* during endocardial growth.

### **Organized Research**

Dr. Vijay Somalinga spent \$2,000 in Organized Research funding from the Dean of the College of Arts and Sciences for his project “Biochemical Characterization of SSA\_2154, a beta type carbonic anhydrase from *S. sanguinis*.” Dr. Somalinga’s project created over 192 research hours for one student researcher.

# Dr. Debra Stevens

Department of Pharmacy Practice



## Scholarly and Academic Activity

Dr. Stevens reviewed the article, "Utilizing Medicinal Chemistry to Solve a Clinical Clozapine and Sucralfate Interaction."

Dr. Stevens also reviewed the article, "Effect of Antidepressants on Glucagon-Like Peptide-1 Receptor Agonist Related Weight Loss."

# Ms. Katherine Tennison

SWOSU Libraries



## Scholarly and Academic Activities

Ms. Tennison was elected Chair.

Ms. Tennison presented at a workshop, "Holistic Collection Assessment: Collecting, Visualizing, Interpreting, and Using Data."

Ms. Tennison facilitated the summer workshop "UnCOILED 2022: Art of Assessment" in Tulsa, OK.

# Dr. Richard Tirk

Department of Music



## Extramural Activity

The International Trumpet Guild awarded \$650 to fund the travel of the SWOSU Trumpet Ensemble to travel to the “International Trumpet Guild Conference,” in San Antonio, TX from May 2022 to June 2022. This grant supported SWOSU students’ participation in the 46<sup>th</sup> Annual International Trumpet Guild Conference in San Antonio, Texas.

The SWOSU Annual Jazz Festival brings together internationally known jazz artist and some of the best high school, middle school, and university jazz programs to our campus to celebrate the American art form of jazz. The grants below provide funding for the SWOSU Jazz Festival, both the 52<sup>nd</sup> and 53<sup>rd</sup>.

The Oklahoma Arts Council awarded \$3,650 to fund the “52<sup>nd</sup> Annual SWOSU Jazz Festival” from July 2021 to June 2022.

The city of Weatherford Hotel/Motel Tax Commission awarded \$3,000 to fund the “52<sup>nd</sup> Annual SWOSU Jazz Festival” from July 2021 to June 2022.

Dr. Tirk applied for \$5,000 from the Oklahoma Arts Council to fund the “53<sup>rd</sup> Annual SWOSU Jazz Festival” from July 2022 to June 2023.

## Scholarly and Academic Activity

Dr. Tirk was awarded \$2,750 for him and his students to travel and perform at the International Trumpet Guild Conference in San Antonio, Texas.



# Dr. Matthew Tracy

Department of Music



## Scholarly and Academic Activity

Dr. Tracy was awarded \$500 to perform at the US Navy Band International Saxophone Symposium in Fairfax, Virginia.

# Dr. Todd Wigger

Department of Business



## Organized Research

Dr. Todd Wigger, was awarded \$5,000 in Organized Research funding from the Dean of the College of Professional and Graduate studies for his project "Leadership the Oklahoma Way."

# Dr. Nancy Williams

Department of Pharmacy Practice



## Scholarly and Academic Activity

Dr. Williams was appointed Chair of the Residency Research Excellence Award.

Dr. Williams served as a classroom moderator in Tulsa, OK.

Dr. Williams served as a co-coordinator and co-judge for the local virtual Clinical Skills Competition.

Dr. Williams served as a co-moderator.

Dr. Williams co-presented the poster, "Analyzing Oklahoma Pharmacist Perceptions on CLIA-Waived Rapid Diagnostic Testing Programs for Select Respiratory Infections."

Dr. Williams was reappointed to the Abstract Review and Membership Committees.

Dr. Williams served as a Residency Panel Co-Moderator via Zoom.

Dr. Williams reviewed 4 poster abstracts.

Dr. Williams reviewed 41 poster abstracts.

Dr. Williams reviewed the clinical pearl titled, "Making Sense of Genetic Resistance Markers with Enhanced PCR Technology."

Dr. Williams reviewed the following manuscripts:

- "Evaluation of Canadian Pharmacists' Knowledge and Comfort in the Management of Epilepsy and Antiepileptic Drugs;"
- "Audenz: Influenza A (H5N1) Monovalent Vaccine, Adjuvanted;" &
- "Ibexafungerp: A New Triterpenoid Antifungal".

# Dr. Wendy Yoder

Academic Support Center



## Scholarly and Academic Activity

Dr. Yoder electronically published, "Supporting Students as Faculty Advisors: Lessons Learned from Navigating a Pandemic."

# Mr. Reggy Yount

Department of Education



## Scholarly and Academic Activity

Mr. Yount was awarded \$500 to present the paper, "Teacher Candidates' Virtual Field Experience During the Pandemic," at the National Social Sciences Association in Las Vegas, Nevada.