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### ORGSP Quarterly: An ORGSP Newsletter from Lincoln Memorial University, Vol 8.1

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VOL 8.1

# ORGSP Quarterly

An OGRSP Newsletter from  
Lincoln Memorial University

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- Student: Stewart Thacker

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## The Road to Collaboration

SPRING 2023



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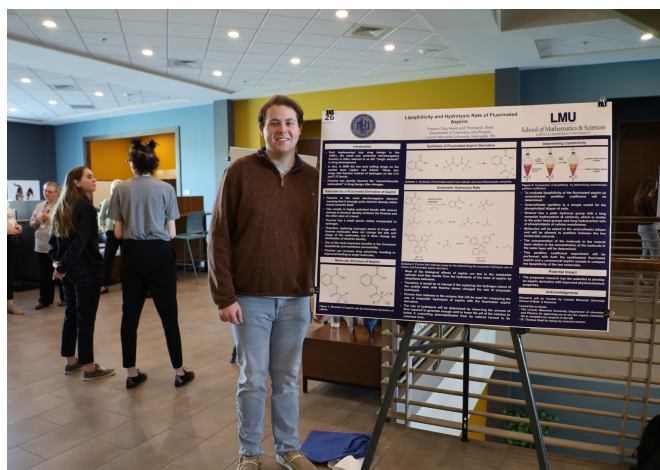
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# — Faculty Spotlight Dr. LaRoy Brandt



**ORGSP speaks to LMU's Associate Professor of Biology-Conservation Biology & the Director of the Cumberland Mountain Research Center about his recent achievements in research and publishing.**

Dr. LaRoy Brandt is a busy man - as we sit down to lunch on an April afternoon, he shares his pride in a mentee who recently received an Appalachian College Association Lee B. Ledford grant while we also talk about his latest research trip to Costa Rica. Then we get down to the main reason we are meeting today: to discuss his recent achievements in research and publishing. His article, "Maderas Rainforest Conservancy: A One Health Approach to Conservation," joins another co-authored piece, "Snapshot USA 2019: A Coordinated National Camera Trap Survey of the United States," in reaching a wide audience. "Maderas Rainforest Conservancy" was the top cited article from the *American Journal of Primatology* in 2022. "Snapshot," which was published in the *Journal of Ecology*, was the most downloaded article from 2021. The publication represented a nationwide collaboration with researchers in all 50 states to utilize trail cameras to assess US mammalian biodiversity.

*The interview that follows is condensed and edited for space.*

**Q: Can you tell me a little bit about your "Snapshot USA 2019" collaboration?**

**A:** This is from a project that is associated with Snapshot USA and organized between North Carolina State University and the Smithsonian. When it was originally created, they reached out to people doing research with trail cameras to conduct a nationwide trail camera survey of mammals. It's targeted at trying to get a better grasp of mammal distributions, activities, and habitats. Basically, they have researchers in every single state who participate in the program and who agreed to put their trail cameras out at the same time with certain standardizations. For example, there are certain requirements on the quality of trail camera and the heights the cameras are placed. I was invited by one of my colleagues from North Carolina State who contacted me and said, "Hey, I know you do research with trail cameras with students - would you like to be part of this?" So, we agreed to this a few years ago and we steadily increased the number of trail cameras that we used. We



started up on the LMU campus, but we've expanded over the last couple years to include a location owned by the Kentucky Natural Land Trust along the Pine Mountain Ridge. We also do research in Virginia near Jonesville.

**Q: What type of data are you collecting, and how is it being used collaboratively?**

**A:** This last year we had close to 75,000 pictures from our trail cameras. We had eight cameras on campus, six cameras up in Kentucky, and another six in Virginia. We're at close to 300 000 sequences of pictures. We report our data to a centralized location. The project is being submitted to a company called Wildlife Insights where they are developing AI technology to be able to automatically ID animals. Right now, it still must be human verified, but I've noticed that it's getting better at identification. Overall, it's given us incredible data sets over the last four years. Since it is a nationwide data set, you've got animals from all 50 states. We can see when and where these animals are active. We can start asking other interesting ecological questions. For example, you could start comparing predator-free interactions to see the difference in their activities. Or, you could also look at how biodiversity shifts across the landscape of the U.S. Did you know that we have the same number of species in Alaska that we have in Tennessee? How do those things compare?

**Q: How have you used this research in your classroom?**

**A:** Right now, I'm thinking about a lab exercise for my mammalogy class. For years, a lot of people have talked in ecological terms about this idea that there's a general trend of the closer you get to the Equator, the more species you're going

to have, the greater the biodiversity, and so on. So we've got this massive data set of mammals, and we could break it up by latitude and see if there are increases and actually test that hypothesis as part of a lab exercise. But in addition to this, my mammalogy students are processing those cameras and learning how to look at the data, and so they're seeing how this exercise is related to bigger picture kinds of questions. They're learning how to identify animals, but they're also contributing to something much bigger than just a class activity.

**Q: The colleague who invited you to participate in this project - how did you establish that relationship?**

**A:** His name is Mike Coe. When I was in Missouri, I knew his research mentor and he went to the same school that I went to for my Master's. I met him there and later traveled with him a couple of times. I invited him to LMU as a guest speaker a few years ago. After his visit here, he's like, "Hey, you know when I was there you told me about doing the trail camera - would you guys like to be a part of this project we're developing?"

**Q: What advice do you have to offer to researchers who are thinking about doing a collaboration like this in the future?**

**A:** When can you start? Let's sit down and talk about how it can be done rather than if it can be done because sometimes you have to figure out creative ways to get what you need. If you've got an interest in a project, you don't shy away from it - let's push forward!

**Visit Snapshot USA at**  
[emammal.si.edu/snapshot-usa](http://emammal.si.edu/snapshot-usa)



## Student Spotlight

# Get to Know Stewart Thacker

Stewart Thacker may only be a freshman, but the conservation biology major is firmly focused on his future. As an Eagle Scout in the Boy Scouts of America, he developed a love of the outdoors and brought that love to LMU. Now a student athlete who competes on the university's track and field team, Thacker is involved in research and presented his

findings at this year's Research Day 2023.

In May 2023, Thacker was awarded the Youth Conservationist of the Year Award from the Tennessee Wildlife Federation. ORGSP spoke with Thacker about the award, what it means to him, his interest in research, and his plans as he moves into his sophomore year at the university.



**Q. Tell us about your work with conservation. How did you get started?**

**A:** My infatuation with nature started at a very young age. With a fishing rod in my hand at the age of 3, my family has always been nature oriented. With that being said, the inspiration from my uncle Joe and Scouting, my love for nature blossomed to what it is today. Now, after doing work with the Boy Scouts of America and earning every ecology related merit badge offered, and staying active volunteering with Tennessee Wildlife Resources Agency, I have been able to broaden my horizons to my future careers.

**Q: How have you found time to pursue your schoolwork and your passion for conservation?**

**A:** Funny as it may seem, they tend to go hand in hand. I'm constantly reading and learning new concepts to Wildlife and Fisheries, while away from studies I try to get my boots dirty and explore those concepts physically. To learn conservation properly, in my opinion, it takes doing both to understand the true impact of what you can do positively and negatively.

**Q. How does your conservation work tie into your future career goals?**

**A:** It is my future career goal. Eventually, I would like to be a Freshwater Fisheries

Ecologist in the Eastern Appalachian Region for the U.S. Fish and Wildlife Service. With a passion for outdoors, and my favorite being fish, I would like to devote my career to doing something I truly love to do.

*"The biggest part is the passionate part; love what you do, and it will never be work."*

**Q. What advice would you give to other students who want to do something similar to what you have done?**

**A:** If I had to give advice to other students, it would be put in the leg work early. Explore opportunities, volunteer, be passionate about learning more, all of these play a huge part in success in conservation. The biggest part is the passionate part; love what you do, and it will never be work.

# Research Day 2023

Find all presentations and a full list of winners at  
[www.lmunet.edu/orgsp/research-day](http://www.lmunet.edu/orgsp/research-day)

Lincoln Memorial University hosted its seventh annual Research Day on April 14, 2023, at the Richard A. Gillespie College of Veterinary Medicine building on the Harrogate campus. Over 100 students and faculty from across the university's various schools came together to give oral and poster presentations. The spring event marked the highest participation rate yet, with high numbers of both undergraduate and graduate students participating.

LMU faculty and staff served as panel judges. First, second, and third places were awarded in each of the day's four categories. A list of first place winners are listed here, and the full list can be found at the ORGSP website. Congratulations to all of the participants!

Interested in participating in Research Day 2024? Information about that event will be released in January 2024. Faculty and staff who are interested in serving as event volunteers or on the Research Day committee should reach out to ORGSP.



## Undergraduate Oral Presentation

**Hannah Blevins, Vina Faulkner, Barbara C. Shock, Diversity and Prevalence of Ehrlichia SPP. Detected in Ixodid Ticks from the Cumberland Gap Region of Tennessee, Virginia, and Kentucky**

## Graduate Oral Presentation

**EL Halsmer, et. al., Effect of Nicotinamide on Retinal Function in Glaucomatous Dogs with ADAMTS10-open-angle Glaucoma (ADAMTS10-OAG)**

## Undergraduate Poster Presentation

**Joshua Boldon, Thomas A. Shell, Synthesis and Physicochemical Properties of a Fluorine Derivative of Acetaminophen**

## Graduate Poster Presentation

**Allison O'Brien, et. al., Effects of a Cardiac Rehabilitation Program on Pain Scores and Six Minute Walk Test Scores**





# Looking for Campus Collaboration Opportunities?

Collaboration begins with communication - finding out who has similar research interests to you within your department is key to building the scholarly success of that department. Collaboration also crosses disciplines, and numerous federal grants encourage interdisciplinary thinking. However, personal connections can be harder to achieve as departments, schools, and campuses grow. Beginning in the 2023-2024 academic year, ORGSP will facilitate quarterly, collaborative meet-and-greets for the LMU community to encourage cross-campus collaboration.

Have a project that you are interested in pursuing, but need additional faculty partners? Bring your proposal to the

meeting. Searching for a research mentor who can provide you insight to methods or professional organizations? Learn what the attending faculty have to say.

The quarterly meetings will take place in August, November, February, and May, at the Harrogate campus. Technology will be in place to include feeds to other Tennessee, Kentucky, and Florida sites.

More information on the first September meeting will be coming soon via myLMU Announcements. If you have a special project you would like to add for discussion ahead of time, contact the ORGSP Executive Director at [natalie.sweet@lmunet.edu](mailto:natalie.sweet@lmunet.edu).



# Using Qualtrics for Research

— In an effort to highlight research tools that are available to the LMU community, ORGSP will be highlighting these aids in each issue of The ORGSP Newsletter.

## What is Qualtrics?

Qualtrics is management software that allows you to create teams, build surveys, receive feedback, and generate reports with minimal programming knowledge. It allows researchers to bring quantitative and qualitative techniques and analysis together. It also includes audience and panel management, as well as research and insights management.

Qualtrics is available to the LMU community through myLMU. Simply look under the "Quick Links" tab.

“

I [...] used Qualtrics for data collection this spring semester on a research project titled "The Effect of Clinical Education Experience on Doctor of Physical Therapist Student's Cognitive Load (CL), Self-Efficacy and Clinical Reasoning using a Think Aloud Interview: A Multi-Site Design." Qualtrics eases data collection, [and] it helps ensure all necessary information is gathered by setting questions to required. Export to Excel also facilitates data analysis."

**-Brittney Gunterstockman**  
**Director of Clinical Education and**  
**Assistant Professor, Doctor of Physical**  
**Therapy Program**

## Melinda Turner

*Assistant Director of Assessment &  
Faculty Development, DCOM*

"When I worked in Institutional Effectiveness, I primarily used Survey Monkey. I preferred the options and analytics to Qualtrics. Qualtrics is, however, becoming more user-friendly. Customer support is second-to-none. If we had access to the full program through campus, we could use more analytics than even Survey Monkey has options for. I use it because of the convenience and it does serve my needs for analyzing faculty development workshop evaluations. I particularly like the coding/thematic analysis for Qualitative analysis I can do in Qualtrics. It will automatically create word clouds of the most common themes. I can also add values to the Likert items for Quantitative analysis if needed. Easy to send and use links, emails, and/or QR codes to those you are surveying, too."



## LMU Mini-Grants

# Meet the 2023 Awardees



**Dr. Stephanie Keer** *School of Mathematics and Sciences*

Dr. Keer's project will trace the development of four Appalachian amphibian species from the development of cartilage, through the transition of cartilage to bone, and ultimately the growth of each bone into the final adult shape. This study will assist understanding of the process of how skeletons are formed, both from a developmental and evolutionary perspective.

**Dr. Kathryn Purple** *School of Mathematics and Sciences*

*Trypanosoma cruzi* is a vector-borne protozoan parasite that causes Chaga disease in humans and animals. The majority of human cases are found in Latin America, but cases contracted locally in the Southeastern United States have been documented. Dr. Purple's research will be the first of its kind in the region of the southeast, including Tennessee and Virginia, and will help elucidate the role of wild animals such as coyotes, foxes, raccoons, and bobcats play in the complex ecology of *T. cruzi* in the U.S.



**Dr. Rebecca Burleson** *Carter and Moyers School of Education*

Dr. Burleson's project is aimed at determining the impact of preservice professional development in the visual and performing arts on the level of executive functioning skills held by undergraduate teacher licensure candidates. The project will serve as a research and development phase for a program aimed at the design, development, and implementation of a series of professional development sessions.

**Dr. Abigail Heiniger**

*Paul V. Hamilton School of Arts, Humanities, and Social Sciences*

Dr. Heiniger's work will expand the cartographies of fairy tales, recovering the decolonizing history of this genre with a broad range of nineteenth- and early-twentieth-century texts by African-American, Caribbean, Irish, Welsh, and Scottish authors. Mini-grant funding will allow her to finish the final chapter of "The Lost Slipper" and pave the way for new projects with the revolutionary fairy-tale plays of Jamaican author and performer the Rt Hon Dr Louise Bennett-Coverley (1919-2006).





## Scholarship from the DeBusk College of Osteopathic Medicine

### ***Presentations***

**Ava Azizi, Dornu Biraghbara, and Lori McGrew** gave the poster presentation "Pharmacological effects of crocus Sativus (Saffron) on Memory and Anxiety" at the Appalachian Student Research Forum at East Tennessee State University on April 25, 2023.

**Ashley Sundin, John Grove, and Bahaeldin Youssef** gave the poster presentation "Pulmonary Embryonal Rhabdomyosarcoma: A differential in pulmonary masses" at the Appalachian Student Research Forum at East Tennessee State University on April 25, 2023.

**Chassidy Sumler Martin** and Rocco J. Cannistraro gave the presentation "A Case Report of Catastrophic Antiphospholipid Syndrome with Libman-Sacks Presenting as Interstitial Pneumonia" at the Appalachian Student Research Forum at East Tennessee State University on April 25, 2023.

### ***Publications***

**Rupani SR.** Hordeolum and chalazion. *JAAPA*. 2023 Jun 1;36(6):43-44. doi: 10.1097/01.JA4.0000931468.68794.aa. PMID: 37229584.

Zahl, S., Mondal, D., Tolentino, D., Fischer, J. & **Jimenez, S.** (2023). Physician stress in the era of COVID-19 vaccine disparity: a multi-institutional survey. *Journal of Osteopathic Medicine*. Zahl, Sarah, Mondal, Debasis, Tolentino, David, Fischer, Jennifer A. and Jimenez, Sherry. "Physician stress in the era of COVID-19 vaccine disparity: a multi-institutional survey" *Journal of Osteopathic Medicine*, 2023. <https://doi.org/10.1515/jom-2022-0194>

**Souza-Peres JV, Flores K, Umloff B, Heinan M, Herscu P, Babos MB.** Everyday Evaluation of Herb/Dietary Supplement–Drug Interaction: A Pilot Study. *Medicines*. 2023; 10(3):20. <https://doi.org/10.3390/medicines10030020>

**Buntic N,** Brown T, Raafey M, et al. (January 27, 2023) Metastatic Mons Pubis Soft Tissue Mass. *Cureus* 15(1): e34277. DOI 10.7759/cureus.34277

**Copenhaver WK,** Al-Shehab U. Statistical Analysis in Ultrasonography of Myofascial Trigger Points: A Critical Analysis. *PM R*. 2023 May 10. doi: 10.1002/pmrj.12992. Epub ahead of print. PMID: 37162006.

**Slater K N,** Doulaye M, Mohammadbhoj A (February 21, 2023) A Rare Case of Diffuse Large B-Cell Lymphoma Found in the Subcutaneous Scalp. *Cureus* 15(2): e35245. DOI 10.7759/cureus.35245



## Scholarship from the DeBusk College of Osteopathic Medicine

### ***Publications (continued)***

**Buntic N**, Brown T, Raafey M, et al. (January 27, 2023) Metastatic Mons Pubis Soft Tissue Mass. *Cureus* 15(1): e34277. DOI 10.7759/cureus.34277

Tolu-Akinnawo O, Adusei Poku F, Elimihlele T, **Leaue, M, Adkins CF**. (May 05, 2023) Acute Cardiovascular Complications of COVID-19: A Systematic Review. *Cureus* 15(5): e38576. DOI 10.7759/cureus.38576

**Boyer-Sprouse C**, Akhtar Y, et al. CRT-700.4 Percutaneous Aspiration Versus Surgery Outcomes for TVE in IVDU. *J Am Coll Cardiol Interv*. 2023 Feb, 16 (4\_Supplement) S112. <https://doi.org/10.1016/j.jcin.2023.01.352>

Khokhlov L, Pereira L, Fatuyi M, **Brown, A**, et al. CRT-100.88 Higher Mortality in Pulmonary Hypertension Patients With Co-Existent Diabetes Mellitus who Underwent Percutaneous Coronary Intervention. *J Am Coll Cardiol Interv*. 2023 Feb, 16 (4\_Supplement) S39–S40. <https://doi.org/10.1016/j.jcin.2023.01.135>

Cuadra, G.; Shamim, A.; Shah, R.; Morgan, J.; **Palazzolo, D.L.** Comparison of Culture Media for in-vitro Expansion of Oral Epithelial Keratinocytes: Implications for Testing E-liquid Flavors. Preprints.org 2023, 2023010150. <https://doi.org/10.20944/preprints202301.0150.v2>

Zach Budesza, Melinda Klar, Sujata Datta, **Emily Moore** & Leonard Lamsen (2023) Evaluating first year residents' communication skills: a health literacy curriculum needs assessment, *Journal of Communication in Healthcare*, 16:1, 30-37, DOI: [10.1080/17538068.2022.2026054](https://doi.org/10.1080/17538068.2022.2026054)

## Scholarship from the Duncan School of Law

### ***Awards/Recognition:***

**Elizabeth Luminoso, Kimberly Trotter**, and **Dedra Brown** have been nominated as Spring 2023 Fellows for the American Bar Association's Legal Education Police Practice Consortium.





## Scholarship from the Dental Medical School

### ***Presentations:***

**Dr. Karima Ait-Aissa** presented "Protective Role of Short-Chain Fatty Acids against Ang- II-Induced Mitochondrial Dysfunction in Brain Endothelial Cells: A Potential Role of Heme Oxygenase 2" at the American Physiological Society Summit in Long Beach, Florida.

### ***Publications:***

Navas-Madroñal M, Almendra-Pegueros R, Puertas-Umbert L, Jiménez-Altayó F, Julve J, Pérez B, Consejal-Pérez M, **Kassan M**, Martínez-González J, Rodríguez C, Galán M. Targeting mitochondrial stress with Szeto-Schiller 31 prevents experimental abdominal aortic aneurysm: Crosstalk with endoplasmic reticulum stress. *British Journal of Pharmacology*. 2023 Mar 25. doi: 10.1111/bph.16077. Epub ahead of print. PMID: 36964990

Casado-Barragán F, Lazcano-Páez G, Larenas PE, Aguirre-Delgadillo M, Olivares-Aravena F, Witto-Oyarce D, Núñez-Allimant C, Silva K, Nguyen QM, Cárdenas P, **Kassan M**, Gonzalez AA. Increased Renal Medullary NOX-4 in Female but Not Male Mice during the Early Phase of Type 1 Diabetes: Potential Role of ROS in Upregulation of TGF- $\beta$ 1 and Fibronectin in Collecting Duct Cells. *Antioxidants*. 2023; 12(3):729. <https://doi.org/10.3390/antiox12030729>

**Kassan M**, Kwon Y, Munkhsaikhan U, Sahyoun AM, Ishrat T, Galán M, Gonzalez AA, **Abidi AH**, Kassan A, **Ait-Aissa K**. Protective Role of Short-Chain Fatty Acids against Ang- II-Induced Mitochondrial Dysfunction in Brain Endothelial Cells: A Potential Role of Heme Oxygenase 2. *Antioxidants*. 2023; 12(1):160. <https://doi.org/10.3390/antiox12010160>

**Ivanoff CS**, Andonov B, **Hottel TL**. Expanding the functions of dental assistants in Bulgaria and perceptions about their role in the Bulgarian healthcare workforce. *Folia Med (Plovdiv)* 2023;65(2):283-294. doi: 10.3897/foimed.65.e78138

Crumpton, Mark W. DMD, MD; Mileusnic-Polchan, Darinka MD, PhD; **Lewis, James DMD**; Heidel, R. Eric PhD; Marks, Murray K. PhD. Fetal Age Assessment From Primary Teeth and Long Bones. *The American Journal of Forensic Medicine and Pathology* 44(1):p 42-51, March 2023. | DOI: 10.1097/PAF.0000000000000804

### ***Awards/Recognition:***

**Dr. Denise Terese-Koch** has been awarded the Pierre Fauchard Academy (PFA) Fellowship.



## Scholarship from the Richard A. Gillespie College of Veterinary Medicine

### ***Presentations:***

**Drs. Lauren Wisnieski, Charles Faulkner and Vina Faulkner** presented "Factors associated with heartworm preventative use" at The Southeastern Society of Parasitologists in April 2023.

**Drs. Lauren Wisnieski, Karen Gruszynski, Charles Faulkner and Vina Faulkner** presented "A cross-sectional analysis of the knowledge, beliefs, and perceptions of canine heartworm prophylaxis use for prevention of canine heartworm disease" at The Southeastern Society of Parasitologists in April 2023.

**Drs. Lauren Wisnieski, Danielle Darter, Natalie Freeman, Brandy Fuesting, Chloe Ruff, Jason Kishpaugh and Rick Slaven** presented "The impact of adverse childhood events on medical education" at LMU Research Day in April 2023.

**Drs. Lauren Wisnieski and Kayla Medlin** presented "Scooby Doo and the Case of the Lost Sheep" at Albright Grove in April 2023.

**Dr. Mitch Moses** presented at the Christian Veterinary Mission, Real Life Impact conference.

### ***Abstracts:***

**Wisnieski, L., Carney, K., & Vroegindewey, V.** Adverse childhood experiences, resiliency, and academic performance in veterinary students. International Conference on Social and Educational Sciences.

**Wisnieski, L., Faulkner, V. & Faulkner, C.** Factors associated with heartworm preventative use using data from the Golden Retriever Lifetime Study. The Southeastern Society of Parasitologists.

### ***Publications:***

Gibbons P, **Devine E**, Dutton D, **Pulliam T, Anderson S, Hunt JA**. Development and validation of an ovine caesarean section model and rubric. *Clinical Theriogenology*. 2022. 14(4):348-355.

**Carney, K; Wisnieski, L;** Lackey, T; **Noah, Donald**. Prevalence and factors of self-medication with antibiotics in Claiborne County, Tennessee. *Journal of Appalachian Health*. Vol5, Issue 1. March 2022.

Olivarez JD, Mulon P-Y, **Ebner LS**, Cremerius H, Cantrell C, Rahn R, Soto-Gonzalez W, Bergman J, Cox S, Mochel JP, Kreuder AJ and Smith JS (2023) Pharmacokinetic and pharmacodynamic properties of pantoprazole in calves. *Front. Vet. Sci.* 9:1101461. doi: 10.3389/fvets.2022.1101461



## Scholarship from the Richard A. Gillespie College of Veterinary Medicine

### **Publications Continued:**

Medlin, K. and **Wisnieski, L.** (2023). The association of pet ownership and sleep quality in US adults. *Human Animal Interactions*. (In press).

Smith, J. S., Gebert, J. E., **Ebner, L. S.**, Bennett, K. O., Collins, R. J., Hampton, C. E., Kleine, S. A., Mulon, P.-Y., Smith, C. K., Seddighi, R., Bussieres, G., Mochel, J. P., & Knych, H. K. (2023). Pharmacokinetics of intramuscular maropitant in pigs (*Sus scrofa domestica*). *Journal of Veterinary Pharmacology and Therapeutics*, 00, 1– 7.

**Carney, K; Wisnieski, L;** Lackey, T; **Noah, Donald.** Prevalence and factors of self-medication with antibiotics in Claiborne County, Tennessee. *Journal of Appalachian Health*. Vol5, Issue 1. March 2022.

Gibbons P, **Devine E,** Dutton D, **Pulliam T, Anderson S, Hunt JA.** Development and validation of an ovine caesarean section model and rubric. *Clinical Theriogenology*. 2022. 14(4):348-355.

**Hunt JA, Gilley RS, Gilley A, Thompson RR, Anderson SL.** Simulating ovariohysterectomy: What type of practice promotes short- and long-term skills retention? *Journal of Veterinary Medical Education*. In press.

Cappiello, B., Brehm, A., **Wisnieski, L., Gruszynski, K., Spangler, D., and Faulkner, F.** (2023). Canine heartworm infection and prophylaxis use among pet caretakers from the Cumberland Gap region of Tennessee, USA. *Journal of Parasitology*. (In press).

**Miller, LMJ,** Woodward, EM, Campos, JR, Squires, EL, Troedsson, MHT. Effect of testicular degeneration on expression of sperm protein at 22 kDa in stallions. *Andrology*. 2023; 1- 11.

## Scholarship from the School of Business

### **Presentations:**

**Wang, X.** (2023). Factors Influencing the Utilization of Decision Science Methodologies for Business Decision-Making [Conference presentation]. INFORMS Business Analytics Conference 2023, Aurora, CO, United States of America.

### **Publications:**

**Metz, K.** & Kanyam, D. (2023). Small Business Social Media Use, Innovative Work Behavior, and Organizational Performance. *Journal of Marketing Development and Competitiveness*, 17(2).





## Scholarship from the Caylor School of Nursing

### ***Presentations:***

**Dr. Jennifer Savage** (FNP Concentration Director) will speak at the Tennessee Nurse Practitioner Association Annual Conference this summer.

MSN FNP Alumni **Donnie Killion** will speak at the Tennessee Nurse Practitioner Association Annual Conference.

## Scholarship from the School of Medical Sciences

### ***Presentations:***

**Paula Miksa, DMS PA-C, and Jennifer Harrington, DMS PA-C** presented at the American Academy of Physician Associates conference in Nashville, TN. The title of their poster/presentation is "Health Literacy and Interprofessional Telehealth Considerations."

## Scholarship from the Hamilton School of Arts, Humanities and Social Sciences

### ***Presentations:***

**Dr. William Hardy**, "A Perfect Mania': The Origins of 'Base Ball' in Knoxville, Tennessee." Brown Bag Lecture Series, East Tennessee Historical Society, Knoxville, Tennessee, May 10, 2023.

**Drs. Connie Elkins, Shelley Salter, and Mark Tichon** received acceptance to present "Empowering Strategies in Supervision: Trauma Informed and Culturally Competent Practices" at the national conference of the Association for Counselor Education and Supervision in October 2023.

**Dr. Connie Elkins** presented "Empowering Strategies in Supervision" at the Southwest Virginia Counseling Forum on April 14, 2023.

**Blaze Bowers, J.D.** with Joy Mosely, J.D., M.B.A. presented "Young Professionals, the Higher Education Workplace, & A New Supreme Court: How Young and Emerging Professionals Can Navigate a New Era in Higher Education & Supreme Court Religious Liberty Jurisprudence," at the 44th Annual National Conference on Law and Higher Education.



## Scholarship from the Hamilton School of Arts, Humanities and Social Sciences

### ***Presentations Continued:***

**Ms. Natalie Sweet** presented "Revolution as a Base for Resuscitation: Exhibiting an Appalachian Festival's Bicentennial Boost" at the Tennessee Association of Museums.

**Dr. Martin Sellers** presented "Name, Image, and Likeness (NILs): Impact on Academics" at the ASPA Conference in March 2023.

### ***Publications:***

**Blaze Bowers, J.D.** was interviewed in "A Brief Conversation with Blaze Bowers, J.D., Supporting Students with Pregnancies and Related Conditions," by Eric Lyerly, Esq., *Disability Compliance for Higher Education*, Vol. 28:7, p. 2.

**Hardy, William.** "A Perfect Mania': The Origins of 'Base Ball' in Knoxville, Tennessee." *Journal of East Tennessee History* 94 (2022): 58-87. Recipient of The McClung Award, judged to be the best of those printed in the current volume of the *Journal of East Tennessee History*.

**Sellers, Martin.** "Health Care Costs: Enough to Make You Sick!". *PA Times* online. March 3, 2023.

**Sellers, Martin.** "Name, Image, and Likeness (NILs): What Impact Will NILs Have on Students in the Classroom?" *Journal of Higher Education Theory and Practice (JHETP)*, vol.23 No. 2 (2023).

### ***Awards/Recognitions:***

**Blaze Bowers, J.D.** graduated in May 2023 from the Tennessee Independent Colleges and Universities Association (TICUA) Executive Leadership Institute – Pressnell Fellow, Class of 2023.

## Scholarship from the School of Mathematics and Sciences

### ***Presentations:***

**Lindell, C. R.; Shell, T. A.** "Synthesis of a Vitamin B12 Conjugate with a Mitochondrial Localization Peptide" Blue Ridge Undergraduate Research Conference, Bristol, Tennessee, April 14, 2023.

### ***Publications:***

**Dr. Thomas Shell** electronically published a virtual laboratory manual with Beyond Labz for teaching Organic Chemistry II.



## Recent Award Submissions

**Ms. Robin Johnson** submitted a proposal to the Tennessee Highway Safety Office.

**Ms. Susan Parker** submitted a WalMart Community Grant application.

**Ms. Melinda Turner** submitted a WalMart Community Grant application.

**Ms. Melinda Turner** submitted a Humana Community grant application.

**Dr. Tammy Dean** submitted an ANEW grant proposal to the Health Resources & Services Administration.

**Dr. Patrick Wensink** and **Ms. Grace Mahieu** submitted an Amazon Literary Partnership award application.

**Ms. Amy Drittler** and **Ms. Lisa Shelburne** submitted an AACOM Research Grant on Interviewing for Residency application.

**Dr. Ammaar Abidi** submitted for an NIH subward with the University of Tennessee Health Science Center.

### New Tools Available to Award Applicants at the ORGSP website:

- Checklist for Submitting a Proposal
- Checklist for Transferring Research In
- Post-Award Checklist
- NSF Data Management Plan Template for Biology Directorate
- NSF Facilities, Equipment and Other Resources Template
- Sample Property Inventory

### Updates to the ORGSP website:

- Updated Intent to Apply
- Updated Internal Routing Form
- Updated ORGSP Handbook
- 2023 Research Day Presentations are Live





## Recent Grant Awards

**Dr. John McCook** was the subrecipient of a Grow Your Own Grant through the University of Tennessee from the State of Tennessee.

**Mr. Trevor Holt** and his mentor, **Dr. Ryan Overton**, received an Appalachian College Association Student Ledford grant.

**Mr. Joshua Boldon** and his mentor, **Dr. Thomas Shell**, received an Appalachian College Association Student Ledford grant.

**Mr. Logan Taylor** and his mentor, **Dr. Whitney Hall**, received an Appalachian College Association Student Ledford grant.

**Ms. Erika Hale** and her mentor, **Dr. LaRoy Brandt**, received an Appalachian College Association Student Ledford grant.

**Ms. Madison Hall** and her mentor, **Dr. Barbara Shock**, received an Appalachian College Association Student Ledford grant.

**Dr. Ethan Fulwood** received an Appalachian College Association Fellowship.

**Dr. Thomas Bragg** received an Appalachian College Association Fellowship.

**Mr. Blaze Bowers** received a 2023 Teaching and Leadership Institute grant from the Appalachian College Association.

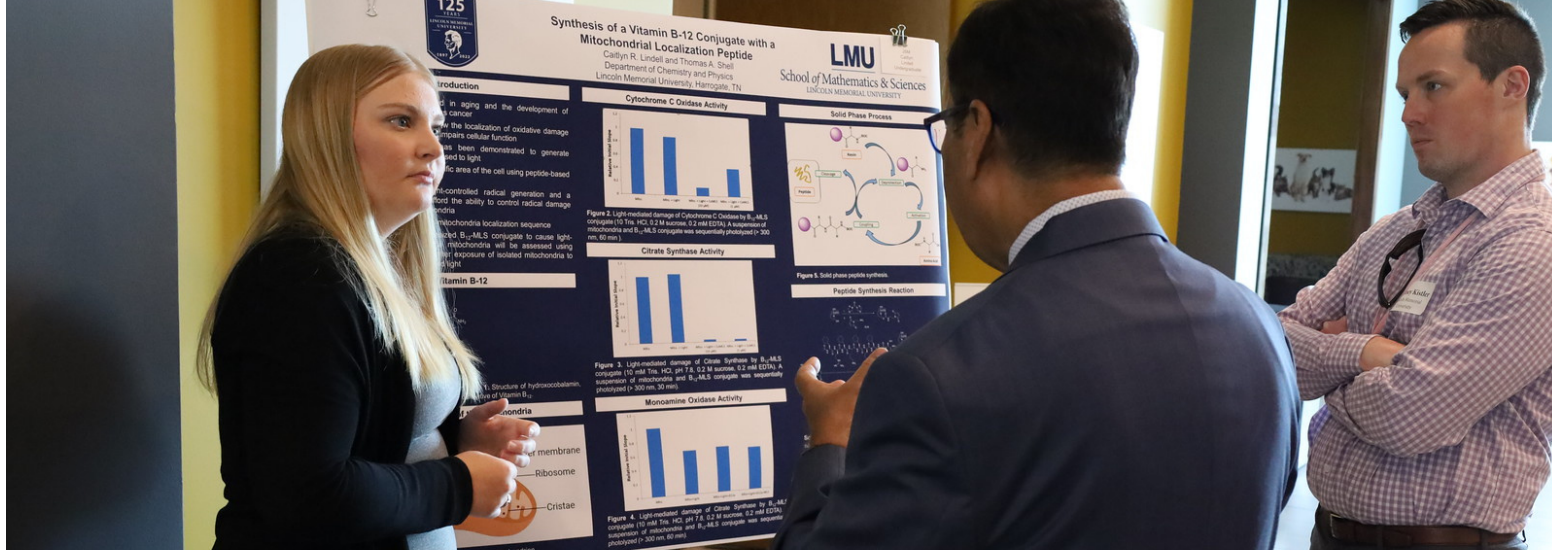
**Dr. Julie Hall** received a grant from the Society of Toxicology.

The **J. Frank White Academy** received a GEER grant from the State of Tennessee.

**Mr. Zachary Greene** received a Rural Arts Project grant from the Tennessee Arts Commission.

**Ms. Natalie Sweet** received an Arts Access grant from the Tennessee Arts Commission.

**Ms. Lila Combs** received a continuation grant for Student Service-Federal TRIO Programs from the Office of Postsecondary Education as the U.S. Department of Education.



## OFFICE OF RESEARCH, GRANTS AND SPONSORED PROJECTS

Natalie Sweet  
Executive Director, ORGSP  
Grant Lee 107  
natalie.sweet@lmunet.edu  
(423)-869-6607

ORGSP Website  
[www.lmunet.edu/orgsp](http://www.lmunet.edu/orgsp)

## ORGSP COMMITTEES

### Institutional Review Board (IRB)

Oversight on all research proposals and projects involving human subjects.  
[irb@lmunet.edu](mailto:irb@lmunet.edu)

### Institutional Animal Care and Use Committee (IACUC)

Oversight on all research proposals and projects involving animals  
[iacuc@lmunet.edu](mailto:iacuc@lmunet.edu)

### Institutional Biological and Chemical Safety Committee (IBCSC)

Oversight on research involving biological materials and chemicals  
[ibcsc@lmunet.edu](mailto:ibcsc@lmunet.edu)

### Committee on Scholarly Activity (COSA)

To promote scholarly activity and research at LMU.

*If your grant award, application, presentation, or publication has not been mentioned in this edition, please forward your information to us using the contact information listed above.*

*We would love to showcase your accomplishments!*