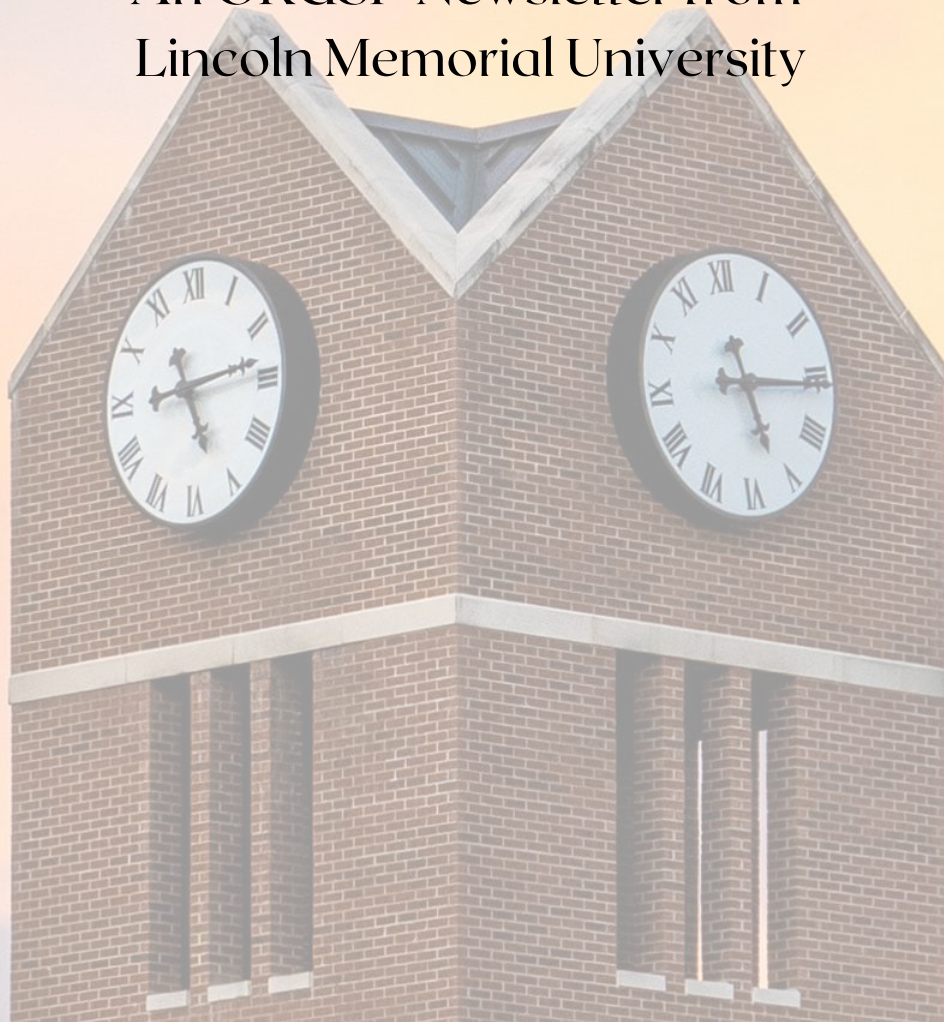


VOL 8.2

# ORGSP Quarterly

An ORGSP Newsletter from  
Lincoln Memorial University



Opportunities

Awards

Spotlights

SUMMER 2023

# Table of Contents

This quarter's issue focuses on summer research. Learn about the excellent work of LMU's faculty, staff, and students.

## Spotlights

|                                |    |
|--------------------------------|----|
| Faculty: Dr. Abigail Heiniger  | 02 |
| Students: ACA Ledford Scholars | 04 |
| Summer STEM Camps              | 06 |

## Learn

|                                  |    |
|----------------------------------|----|
| Volunteer Research Opportunities | 07 |
| DMPTool for Research             | 08 |

## News

|                           |    |
|---------------------------|----|
| Scholarship Across Campus | 09 |
| Recent Grant Awards       | 38 |
| Recent Grant Submissions  | 39 |
| ORGSP Updates             | 39 |



— *Faculty*  
*Spotlight*

# Dr. Abigail Heiniger



**ORGSP speaks to Department Chair and Assistant Professor of English Dr. Abigail Heiniger about her experiences with the LMU Mini-Grants Program.**

The summer provides a dedicated period during which many LMU faculty immerse themselves in their research, unencumbered by the usual demands of teaching and administrative responsibilities. This focused attention allows faculty to dive deeper into their areas of expertise. Collaborating with students and peers in a summer research setting often leads to innovative approaches to their work. This engagement not only enriches the scholarly experience of faculty, but also enhances their ability to mentor and inspire the next generation of researchers.

To further these efforts, LMU offers the Mini-Grants Program to financially make these periods of exploration possible. We asked Dr. Abigail Heiniger to discuss how her summer mini-grant research not only fuels her intellectual curiosity, but how it also feeds her classroom instruction and the wider research community.

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

**Q: Tell us a little bit about your Mini-Grants Project. What led you to this research?**

**A:** Have you ever read a fairy tale that sparked an international literary and cultural revolution? I did! And an LMU mini-grant in Summer 2021 opened that door. According to scholars, actors, directors, and playwrights in Jamaica, the Rt Hon Dr. Louise Bennett-Coverley's fairy-tale play, *Bluebeard and Brer Anancy* (1949-1950), ignited the Caribbean Renaissance in drama! My mind-blowing encounter with this drama led me to look for more Jamaican pantomimes with a second LMU mini-grant. Bennett-Coverley's pantomime was the first time Jamaicans of color played central, title roles in professional Jamaican theatre, speaking Patwa and celebrating Jamaican culture. And these revolutionary pantomimes have never been published! They are collected at the National Library of Jamaica, and it requires permission from both the library and the Little Theatre Movement to view these plays.

**Q: Have there been any surprises in your research along the way?**

**A:** I was surprised by the way texts travel! An ACA grant in 2018 allowed me to spend two weeks scouring the National Library in Ireland for Cinderella narratives, including an elusive political pamphlet called Cinderella Erin. A couple years later, I found the pamphlet in the New York public library! Apparently the only extant copy of the text had to travel across an ocean to survive in an American library.

**Q: How will you connect this research to your students?**

**A:** I bring these texts into the classroom whenever possible (following laws about copyright and fair use)! This diversity is not available in current textbooks, and students need it now! This is a lost part of fairy-tale and folklore history for most people. I also bring the archival research process into my upper-level classes: this is a professional activity that majors need to experience.

Additionally, Routledge Press requested a fairy-tale textbook proposal, and I was invited to be a part of that project with Dr. Anne Duggan and another colleague at Michigan State University. Hopefully the power and history of diverse fairy tales will become a part of more fairy-tale and folklore classes!

**Q: Will you be sharing the findings from this research with the wider community?**

**A:** The work from my last mini-grant (as well as an earlier ACA grant) will be published as a two-volume collection with Routledge this September! The work from this mini-grant is for the final chapter of a monograph under contract with Wayne State University (due Fall 2023). It will be presented at the International Conference for the Fantastic in the Arts in Spring 2024.

**Q: What advice do you have for faculty who might be planning to apply for a mini-grant?**

**A:** HAVE A CONTIGENCY PLAN!! You may need to pivot mid-grant because of COVID travel restrictions, hurricanes, outages, or permissions (yes, that list comes from experiences – like planning a research trip BEFORE hurricane season starts and still finding yourself in the middle of Hurricane Elsa making landfall in Gainesville, Florida). Know what you're going to do when the power goes out and the archives that can only be accessed with a robotic arm are off limits. And, sometimes, the resources you didn't think you wanted, are exactly the ones that you need.

**Interested in learning more about the LMU Mini-Grants Program, or thinking about applying by the February 1, 2024 deadline?**

**Visit <https://www.lmunet.edu/orgsp/lmu-mini-grants-program>**



Student Spotlight

# Get to Know LMU's Ledford Scholars

This summer, the Appalachian College Association provided forty-three undergraduate students across its eighteen member institutions with the Ledford Scholars Award, an opportunity to do intensive research. Five LMU students - Joshua Boldon, Erika Hale, Madison Hall, Logan Taylor, and Trevor Holt received a Ledford Scholars Award. Learn more about their experiences this summer.

**Q. How has receiving an ACA Ledford award shaped your summer?**

**A:** "I was able to complete my senior research project during the summer which allowed me to focus solely on the research at hand and create the best report possible. It helped me gain vital laboratory knowledge and increased my interest in laboratory work itself." - Joshua Boldon

**Q: Have you learned anything about yourself during this experience?**

**A:** "I learned better time management and professional writing skills that will translate into graduate school." - Joshua Boldon

"During my time as a Ledford Scholar, I learned that I am a great multitasker and have a love for conducting field work and further applying that knowledge to my interests." - Madison Hall

"I learned that I should see the outdoors more. The days I would go to my study sites, I found myself trying to quickly finish my duties just to spend time visiting Fall Creek Falls." - Erika Hale

**Q. Do you plan to leverage your Ledford experience in future job or graduate school applications?**

**A:** "I plan to use the Ledford scholarship to boost my chances of entrance into a medical school and use the experience to increase my knowledge of biochemical processes through analgesic properties. Doing this research enabled me to get into contact with many professional level scientists to learn from." - Joshua Boldon

"Absolutely! Being a Ledford scholar has boosted my resume and put me in higher standings when applying to medical schools. Research is something that is incredibly influential when applying to any graduate program, so I was thankful to be a Ledford scholar as I knew this would make me a competitive applicant. " - Madison Hall

This November, watch for announcements via myLMU for information on how you can apply to be a 2024 Ledford Scholar. All disciplines may apply.

"I got a chance to do what I love as a job this summer. This meant going out and spending my days doing research in the field."

-Logan Taylor

**What advice do you have for other undergraduate students who may want to apply for a Ledford award in 2024?**

**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." - Joshua Boldon

"First and foremost, find a mentor with whom you can easily relate and has similar interests. Everyone at LMU is happy to help and wants you to succeed. From there, just follow the application steps and apply. It's a great experience and will definitely help you in the long run!" - Madison Hall

"GO FOR IT! The Ledford award is extremely important because it can help fund the research the scholars are conducting. It also provides an opportunity for many scholars, who may not be able to complete their project without the Ledford award, to complete a research project they are passionate about. It is also useful in giving awarded scholars an introduction to research endeavors." - Erika Hale

# Summer Learning Fun

LMU faculty and staff reached out to the community this summer to encourage the next generation of researchers.

Camp LMU, held by the Office of Administration, and the LMU STEM Camp, run by the School of Mathematics and Sciences, introduced local elementary, middle and high school students to research this summer. Through interactive math, science, medical, engineering, and arts activities, area children had a wide range of learning opportunities to explore.

The LMU STEM Camp provided older students in grades 7-12 with the opportunity to visit LMU's professional schools. This was in addition to the hands-on activities held throughout the day for students in grades 1-12.

Executive Director for Administration, Kristy Bay, explained, "Camp LMU sought to engage local elementary and middle school students in a fun, immersive, active learning environment that allowed them to build a relationship and familiarity with a university setting. As LMU's mission statement mentions, the university is here to serve our local community—especially our children. We were proud to partner with every college/school at LMU to provide Camp LMU participants with engaging, age-appropriate activities."



**Save the Dates!**

**Camp LMU**

**June 17-21, 2024**

**STEM Camp**

**July 8-12, 2024**



*Camp LMU served approximately 65-70 rising Pre-K through 8th grade students. The LMU STEM camp served 55 1st through 12th grade students.*



# Want to Encourage the Next Generation of Researchers?

**Throughout the year, there are a variety of service opportunities that LMU staff, faculty, and students can participate in to introduce young learners to research. Check out the following opportunities to inspire the next generation of researchers in both the humanities and sciences!**

On November 30, 2023, students from Claiborne and its surrounding Tennessee counties will gather at LMU to take part in Northeast District 2 History Day, a history-centered research competition. Volunteers are needed to check-in students and judge research projects that take the form of papers, exhibits, documentaries, websites, and performances. Are you interested in providing young scholars with feedback that will help them reach regional, state, and national History Day competitions? Do you have a solid understanding of a strong thesis statement, or do you want to provide artistic feedback? This opportunity is for you!

Contact Natalie Sweet at [natalie.sweet@lmunet.edu](mailto:natalie.sweet@lmunet.edu) for more information.

Calling all volunteers around the LMU Community! We believe in the power of community, and we invite students, faculty, and staff to be part of our exciting school activities in the 2023-2024 academic school year. Whether it's mentoring young scientists at the Clinch Powell Science Fair, helping organize the Math Olympics, or guiding budding STEM enthusiasts during School of Math and Science STEM Camp 2024, your support makes a world of difference. Join us in shaping a brighter future through education and engagement. Together, we can inspire, innovate, and ignite passion in hearts and minds!

Contact Gerald Branham at [gerald.branham@lmunet.edu](mailto:gerald.branham@lmunet.edu) for more information.





# ***DMPTool***

## ***Making the Data Management Plan Manageable***

— *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 the DMPTool?**

A variety of funding agencies require Primary Investigators to submit a Data Management Plan. Known in shorthand as a DMP, this document details how research data will be gathered, stored, protected, and disseminated to audiences.

The DMPTool is a free online tool that takes researchers step-by-step through the process of creating a DMP. As some federal agencies require particular formatting for DMP submissions, the DMPTool provides users with a range of templates to meet agency requirements. Apply the settings for a particular agency and then use the provided form to format your DMP. Once you are finished, you can use your account to collaborate with others, make your DMP publicly searchable, or export to rich text to insert into your grant proposal.

ORGSP also encourages you to take advantage of having your DMP reviewed by the office before submission. Whether or not you use the DMPTool to ease the process, ORGSP is here to assist.

### **Access the DMP Tool**

<https://dmptool.org>

### **Where to Start?**

Access the Quick Start Guide at [https://dmptool.org/quick\\_start\\_guide](https://dmptool.org/quick_start_guide)

### **Want to Share Your DMP with Others?**

Individual researchers can share their data management strategies with other DMPTool users.

By choosing the "institutional" option in the Visibility section of the overview of your plan, you can signal that you have a data management strategy that you'd like to share with other researchers. Please keep in mind that if you make your plan public, anybody can duplicate it and use it as a template.



## Scholarship from the Dental Medical School

### **Presentations:**

**Ammar Abidi** will speak on "Cannabinoids: Are they protective or destructive in oral and systemic health?" at the 9th International Conference on Advanced Dentistry and Oral Health in Dubai, UAE on November 9-10, 2023.

### **Publications:**

**Karima Ait-Aissa** et al, "Mechanisms by which statins protect endothelial cells from radiation-induced injury in the carotid artery," in *Frontiers in Cardiovascular Medicine*, Vol. 10, June 2023.

Munkhsaikhan U, Kwon YI, Sahyoun AM, Galán M, Gonzalez AA, **Karima Ait-Aissa, Ammar Abidi, Kassan A, Modar Kassan**. The Beneficial Effect of Lomitapide on the Cardiovascular System in LDLr<sup>-/-</sup> Mice with Obesity. *Antioxidants*. 2023; 12(6):1287. <https://doi.org/10.3390/antiox12061287>

## Scholarship from the School of Medical Sciences

### **Publications:**

**Michael Berger**, *Changing Perspective from Morality to Faith: An Examination of Morality, Mitzvah, and Christianity*, Weatherford, Texas: Legacy Lane Publishing, 2023.

**Sonia Ramzanali Rupani**, "Hordeolum and chalazion," *JAAPA* 36(6):p 43-44, June 2023. | DOI: 10.1097/01.JAA.0000931468.68794.aa

**Sonia Ramzanali Rupani**, Nancy Trimble, William Schweinle, and Betty Hulse. "Does Remote and/or Virtual Learning Prepare First-Year Physician Assistant Students for Clinical Rotations as Effectively as In-Person Learning?" *Journal of Physician Assistant Education*. 2023 Jul 19. doi: 10.1097/JPA.0000000000000521



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

### ***Student National Research Awards***

**Rafeeah, Samad**, M-SOAR (Medical Student Summer Opportunities to Advance Research) Program at the NIH. Summer 2023

**Tran, Amy**, Robert A. Winn Diversity in Clinical Trials Award Program. Summer 2023

**Zachary Their**, Outstanding Student Scholarship American Osteopathic Academy of Orthopedics 2023

### ***Student Research and Scholarly Activity DCOM Awards***

**Kuzmich M, Fox C, Gates K, McGrew L**. The Exploration of Dance Therapy as an Approach to Neurodegenerative Diseases in Rural Appalachian Communities with Limited Access to Care. OMED 2022. \*2nd Place Award Winner

**Moon, J., Ortleib, T. and Akisanya, A**. Case Report: Chronic Pediatric Hepatitis C Virus. \*1st Place Jessica Moon. TOMA 125th Anniversary Annual Convention Virtual Poster Contest April 2023.

**Stansberry, S. Welsh, C., and Finley, A**. Case Report of Post Cardiac Arrest Therapeutic Hypothermia in Rural Care. \*3rd Caroline Welsh TOMA 125th Anniversary Annual Convention Virtual Poster Contest April 2023.

**Kenny, B., Foster, M., and Polk, B**. COVID-19-Related Sub-Massive Pulmonary Embolism: Case Report and Implications for Future Care. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023. \*2nd Place Winner

**Woodson, S., and McGrew, L**. Testing St. John's Wort with Zebra Fish to measure anxiety and stress levels. . Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023. \*3rd Place Winner



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

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

**Matthew Kolp, Anna Holt, Benjamin Hamilton, Kathryn Purple, Charles Faulkner.** "Pilot study investigating the prevalence of parasites in abandoned piles of feces collected at dog parks in East Tennessee" at The Southeastern Society of Parasitologists (April 2023) .

**Matthew Kolp, Anna Holt, Benjamin Hamilton, Kathryn Purple, Charles Faulkner.** "Fecal contamination with gastrointestinal parasites of dog parks in rural and urban environments" at the Southeastern Society of Parasitologists (April 2023)

**Matthew Kolp,** Joel F. Swift, Amanda Carmichael, Natalie Ford, Paige M. Hansen, Benjamin A. Sikes, Maggie R. Wagner. "Legacy effects of precipitation and land use impact maize growth and microbiome assembly under drought stress" at the Botanical Society of America (July 2023).

**Lynda Miller** and **Julie Hunt.** "Validation of bovine clinical skills training models and rubrics" at the Southeastern Veterinary Education Consortium (August 2023).

**Lauren Wisnieski** and **Kayla Medlin.** "Scooby Doo and the Case of the Lost Sleep" at Albright Grove (April 2023).

## Scholarship from the School of Business

### ***Presentations:***

**Joshua Ray and Kelsey Metz .** (2023). Leveraging AI in the Classroom: Productive Uses of AI Tools for Pedagogical Purposes [Conference presentation]. International Management and Organizational Behavior Teaching Society (IMOBTS) Conference 2023, St. Andrews, Scotland.

### ***Publications:***

**Kelsey Metz** and Daniel Kanyam, "Small Business Social Media Use, Innovative Work Behavior, and Organizational Performance," in *Journal of Marketing Development and Competitiveness* (Vol. 17, No. 1), 2023.



## Scholarship from the DeBusk College of Osteopathic Medicine

### ***Awards (continued):***

**Towner, R., and Weston, D.** Association Between Somatic Dysfunction and Myofascial Trigger Points that Refer Pain to the Head & Neck. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023. \*Award: Outstanding Project Related to Osteopathic Manipulative Medicine.

**Kuzmich, M., Fox, C., Gates, K., Campbell, H., and McGrew, L.** Twelve Weeks of Dance Exercise in Rural Appalachia: A Patient-Reported Outcome Measure of Long-Term Health Conditions. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023. \*First Place Winner

**Goebel, H and Moore, T.** Female Physician Infertility: Pre and Post Educational Intervention Analysis. American College of Physicians. West Virginia\* Medical Student Abstract Winner Research-1st Place

**Kuzmich, M., Fox, C., and McGrew, L.** "Building Rural Appalachian Integrative Neurology Systems." OMED Day 2023 \*winner" Poster.

**Deel, S., Felts, H. and Grindstaff, M.** A Unique Presentation of Immune Thrombocytopenia in the Rural Pediatric Population: A Case Report. VCOM August 25-27, 2023. 1st place award category Best Practices for Rural and Medically Underserved Patient Care\

### ***DCOM Student Intramural Awards***

**Adam Gromley (PI) and Illene Mitchell.** \$2,464: "Centrosome Proteins and Sarcoma." Submitted Fall 2022; Period of Performance: 01/01/2023 – 06/30/2023.

**Adam Gromley (PI) Jessica Samuel.** DeBusk Student Summer Research Scholar Award. \$2,000: "Analyzing the Role of Centrosome Proteins in the development of Melanoma." 06/01/2023-07/31/2023.



## Scholarship from the DeBusk College of Osteopathic Medicine

### **Awards (continued):**

**Adam Gromley and Zeynep Gromley (PIs) and Emma Bradley.** DeBusk Student Summer Research Scholar Award. \$2,000: "Investigation of Mutations in the HECTD1 Gene in Various Epithelial Cancer Cell Lines." 06/01/2023-07/31/2023.

**Anne Marie Zeller (PI), Alexis McKay and Alexandra Haver.** \$1,600: "Osteopathic and Integrative Approaches to Treatment of Scars." Submitted Fall 2022; Period of Performance: 01/01/2023 – 06/30/2023.

**Beverly Hamilton (PI), Deja Murray.** DeBusk Student Summer Research Scholar Award. \$2,000: "Reproductive Health Disparities: A Focus on Contraception and Sex Education in Minority Women and Adolescents." 06/01/2023-07/31/2023.

**Beverly Hamilton (PI), Julianna Carter.** DeBusk Student Summer Research Scholar Award. \$2,000: "The Contributing Factors in Contraceptive Use and Sex Education that Attribute to Disparities in Reproductive Health in Communities of Color." 06/01/2023-07/31/2023.

**Brent Thompson (PI) Jarod Banks.** DeBusk Student Summer Research Scholar Award. \$2,000: "An Innovative Case Report: Obesity and Portal Hypertension." 06/01/2023-07/31/2023.

**Brent Thompson (PI) Micayla Barnett.** DeBusk Student Summer Research Scholar Award. \$2,000: "Innovations in histology education: Utilizing innovative modules, practice questions, and Comparison slides to improve students' retention, knowledge, exam scores." 06/01/2023-07/31/2023.

**Brent Thompson (PI) Sky Hart.** DeBusk Student Summer Research Scholar Award. \$2,000: "Histological investigations of cadaveric Donors." 06/01/2023-07/31/2023.

**Debasis Mondal (PI) and Abigail Whaley.** \$1,850: "DMSO and Enzalutamide in Prostate Cancer." Submitted Fall 2022; Period of Performance: 01/01/2023 – 06/30/2023.



## Scholarship from the DeBusk College of Osteopathic Medicine

### ***Awards (continued):***

**Debasis Mondal (PI) Ethan Thakran, Shalin Naik, Jess Rosner, Sarah Kemp.** DeBusk Student Summer Research Scholar Award. \$2,000: "Effect of Bardoxolone methyl (COD-ME) and Sulforaphane Combination Drug Therapy On Castration Resistant Prostate Cancer (C4-2B Cell Lines) Using Cellular Signaling and Expression of Inflammatory Markers via Western Blot Analysis." 06/01/2023-07/31/2023.

**Debasis Mondal (PI) and Joanna Harrod.** \$1,800: "Prostate and Pancreatic Cancer; CDDO-Me and Nelfinavir." Submitted Fall 2022; Period of Performance: 01/01/2023 – 06/30/2023.

**Debasis Mondal (PI) Jessica Rosner, Ethan Thakran.** DeBusk Student Summer Research Scholar Award. \$2,000: "A collaborative project monitoring Castration Resistant Prostate Cancer (CRPC) Cell Proliferation Using Finasteride, Enzalutamide and Bardoxolone-me Combination." 06/01/2023-07/31/2023.

**Debasis Mondal (PI) Shalin Naik, Sarah Kemp, Jessica Kosner, Ethan Thakran.** DeBusk Student Summer Research Scholar Award. \$2,000: "A Collaborative Project to Abrogate Androgen Signaling in Prostate Cancer using Bardoxolone-Methyl, Finasteride, and Enzalutamide." 06/01/2023-07/31/2023.

**Dominic Palazzolo (PI) William Huff, Anthony Campbell, Makenzie Muley, Creighton Adams, and Miriam Shakir.** DeBusk Student Summer Research Scholar Award. \$2,000: Effects of ECIG-generated aerosol ± flavors on the growth of Porphyromonas gingivalis and its ability to produce colonies." 06/01/2023-07/31/2023.

**Gayle Hamman (PI) and Dylan Nguyen.** \$490: "Effects of OMT on Relaxation of Cervical Muscles Contributing to Headaches." Submitted Fall 2022; Period of Performance: 01/01/2023 – 06/30/23.

**John Gassler (PI) Danielle Cates.** DeBusk Student Summer Research Scholar Award. \$2,000: "Effect of Gut Brain Axis Health on Amyotrophic Lateral Sclerosis." 06/01/2023-07/31/2023.



## Scholarship from the DeBusk College of Osteopathic Medicine

### ***Awards (continued):***

**John Gassler (PI), Ian Schultheiss and Eric Moberg.** \$1,050: "Efficacy of 3D Printed Models in Anatomical Education." Submitted Fall 2022; Period of Performance: 01/01/2023 – 06/30/2023.

**John Gassler (PI) Nathaniel Erickson and Erick Moberg.** DeBusk Student Summer Research Scholar Award. \$2,000: "Morphological Variations of the Cystic Artery Among Human Donors of Rural Appalachia." 06/01/2023-07/31/2023.

**Lindsey Miller (PI) Benjamin Hopper.** DeBusk Student Summer Research Scholar Award. \$2,000: "Lymphatic Dysfunction: A New Model and Dietary Interventions." 06/01/2023-07/31/2023.  
21. **Lindsey Miller (PI) and Keshia Shah.** \$2,476: "Anti-inflammatory Interventions for Lymph Endo Cells." Submitted Fall 2022; Period of Performance: 01/01/2023 – 06/30/2023.

**Lindsey Miller (PI), Mounica Boggala, Alexandra Hassan, Sean Sullivan and Pinak Patel.** \$2,500: "Effect of Stress and Physical Activity on Central vs Brachial Blood Pressures." Submitted Fall 2022; Period of Performance: 01/01/2023 – 06/30/2023.

**Lori McGrew (PI), Cambri Fox and Meaghan Kuzmich.** \$2,500: "Building Rural Appalachian Integrative Neurology Systems." Submitted Fall 2022; Period of Performance: 01/01/2023 – 06/30/2023.

**MaryBeth Babos (PI), Colby Lester and Matt Endicott.** \$2,160: "Knowledge and Opinions about Cannabis." Submitted Fall 2022; Period of Performance: 01/01/2023 – 06/30/2023.

**Mary Beth Babos (PI) Gage Keck, Brittany Blair, Taylor Campbell, Miranda Cable, and Jordan Harrell.** DeBusk Student Summer Research Scholar Award. \$2,000: "Ethnobotany of Appalachia." 06/01/2023-07/31/2023.

**Mary Beth Babos (PI) Austen Smith, Noel Cawley, Joshua Engle.** DeBusk Student Summer Research Scholar Award. \$2,000: "Ethnobotany of Appalachia." 06/01/2023-07/31/2023.





## Scholarship from the DeBusk College of Osteopathic Medicine

### **Awards (continued):**

Mary Beth Babos (PI) Brittany Blair. DeBusk Student Summer Research Scholar Award. \$2,000: "Sickle Cell Disease Knowledge and Experience." 06/01/2023-07/31/2023.

**Mary Beth Babos (PI) Cedric Brown.** DeBusk Student Summer Research Scholar Award. \$2,000: "Ethnobotany of Appalachia." 06/01/2023-07/31/2023.

**Mary Beth Babos (PI) Jarvis Pennington. Brittany Blair, Taylor Campbell, Miranda Cable, Jordan Harrell.** DeBusk Student Summer Research Scholar Award. \$2,000: "Ethnobotany of Appalachia." 06/01/2023-07/31/2023.

**Mohammed Sayed (Co-PI), MaryBeth Babos (Co-PI), Heidi Bryon, Nikhil Mardhekar and Utkarsh Pandey.** \$2,500: "Acceptability of Animal Based Medications." Submitted Fall 2022; Period of Performance: 01/01/2023 – 06/30/2023.

**Muthu Dharmasena (PI) Kurtis Orrson.** DeBusk Student Summer Research Scholar Award. \$2,000: "Antimicrobial properties of some selected nanoparticles against some selected bacteria." 06/01/2023-07/31/2023.

**Natalie Freeman (PI) Arkhum Smith DeBusk Student Summer Research Scholar Award.** \$2,000: "Investigating the Antitumor Effects of flavonoids in Osteosarcoma Treatment: Targeting Signaling Pathways for Better Outcomes." 06/01/2023-07/31/2023.

**Natalie Freeman (PI) and Christina Trickett.** LMU-DCOM Basic Science/Clinical Research Scholar award. \$2,152: "Baicalein and Pancreatic Cancer." Submitted Fall 2022; Period of Performance: 01/01/2023 – 06/30/2023.

**Natalie Freeman (PI) Danielle Newhouse.** DeBusk Student Summer Research Scholar Award. \$2,000: "Flavonoid Impact on Bone Development in Zebrafish." 06/01/2023-07/31/2023.

**Natalie Freeman (PI) Olusegun Agaja. DeBusk.** Student Summer Research Scholar Award. \$2,000: "Pre-surgical Interventions and Orthopedic Post-Surgical Outcomes." 06/01/2023-07/31/2023.



## Scholarship from the DeBusk College of Osteopathic Medicine

### **Awards (continued):**

**Natalie Freeman (PI), Ryan Scarborough, Christopher Gray, Hailey Cox and Elizabeth Allen.** Basic Science/Clinical Research Scholar Award. \$700: "Cervical Cancer in the Dominican Republic." Submitted Fall 2022; Period of Performance: 01/01/2023 – 06/30/2023.

**Ravindra Kolhe (PI) Colin Williams.** DeBusk Student Summer Research Scholar Award. \$2,000: Human Disease and Cancer -multiple projects." 06/01/2023-07/31/2023.

**Stan Kunigelis (PI) Raquel Brittany Sanford.** DeBusk Student Summer Research Scholar Award. \$2,000: "A Comparative SEM Study of Protocerebral Neurocircuitry between Three Copepod Species." 06/01/2023-07/31/2023.

**Stan Kunigelis (PI) Matthew Donahoe.** DeBusk Student Summer Research Scholar Award. \$2,000: Using Copepod Cuticle for the Repair of Human Gastrointestinal Lesions." 06/01/2023-07/31/2023.

**Zeynep Gromley (PI), Adam Gromley (CO-PI) and Emma Bradley.** \$2,500: "Investigation of Mutations in HECTD1 Gene in Various Epithelia Cancer Cell Lines." Submitted Fall 2022; Period of Performance 01/01/2023 – 06/30/2023.

**Zeynep Gromley (PI) Tanvi Nallanagula, Gabriella Gendelman, Elizabeth Bochniak, Giselle Ghabussi.** DeBusk Student Summer Research Scholar Award. \$2,000: "Link between G6PD deficiency and development of Parkinson's Disease." 06/01/2023-07/31/2023.

**Lindsey Miller (PI) Katherine McCoy.** DeBusk Student Summer Research Scholar Award. \$2,000: "Investigating the role of Methylsulfonylmethane (MSM) and epigallocatechin gallate (EGCG)." 06/01/2023-07/31/2023.

**Mary Beth Babos (PI), Lori McGrew, Hannah Sherrod and Annie Le.** Debusk Summer Research Scholar Award 2023 \$2,000. "Assessing Anxiolytic Properties of Appalachian Plants using *Danio rerio* and HPTLC." 06/01/2023-07/31/2023.



## Scholarship from the DeBusk College of Osteopathic Medicine

### ***Publications:***

**Alhajj, M., Babos, M.** Physiology, Salivation. 2022 Jul 25. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2023 Jan-. PMID: 31194408.

**Alhajj, M.,** Zubair, M., Farhana, A. Enzyme Linked Immunosorbent Assay. 2023 Apr 23. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2023 Jan-. PMID: 32310382.

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

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### **Abstracts and Presentations**

**Lester, C., and Endicott, M. S., and Babos, M.B.** "A Pilot Study to Explore Attitudes and Knowledge of Cannabis sativa L."

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## Scholarship from the DeBusk College of Osteopathic Medicine

### ***Abstracts and Presentations (continued):***

**Lester, C., and Endicott, M. S., and Babos, M.B.** "A Pilot Study to Explore Attitudes and Knowledge of Cannabis sativa L."

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**Blair, B.** MS MPH OMS2, **Ingram MS, M., Babos, M.B.** PharmD Sickle Cell Knowledge: A Survey 7th Annual Essentials of Clinical Medicine CME Conference (June 2023).

Dalton, R., Son, Y., Wu, E., Anderton, L., **Eximond, M.,** Earnshaw, L., Klimowich, K., and Dean, G. "Association of Prematurity and Urogenital Comorbidities with Postoperative Outcomes of Ureteroneocystostomy for Vesicoureteral Reflux." (2023). Rowan University Stratford 27th Annual Research Day.



## Scholarship from the DeBusk College of Osteopathic Medicine

### **Abstracts and Presentations (continued):**

**Hendricks-Wenger, A.** Immune Response to Histotripsy Ablation of Pancreatic Cancer. International Society of Therapeutic Ultrasound (\*\*Invited as a Webinar speaker) Feb 23, 2023

Patel, **Hendricks-Wenger**, Barker (presenter). Ultrasound Guided Drug-Loaded Hydrogel Injection with Monitoring of Tumor Volume and Increased Necrosis. Biomedical Engineering Society 10/13/2023

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**Sumler, C.**, Barry, N.G. DO A Case Series of COVID-19 Aortic Insufficiency JACC Case reports (ACOS) March 2023.

**Sumler Martin MS, C.** and Cannistraro MD., R.A. Case Report of Catastrophic Antiphospholipid Syndrome with Libman-Sacks Presenting as Interstitial Pneumonia. Poster Presentation Appalachian Student Research Forum. April 25th, 2023

**Boyer-Sprouse, C., Kenny, B.** Akhtar MBBS, FACC, FACSI, Y. The Percutaneous Removal of a Chronically Retained Wire in the Right Atrium and IVC. Poster Presentation Cardiology Research Technologies, 7th Annual CME. February 2023

**Aungst, J.**, Kolatorowicz, A. Interdisciplinary education in forensic pathology: A collaborative approach to addressing workforce shortage. National Association of Medical Examiners 2023 Annual Meeting San Jose, CA, US October 2023.

Liao M.D, J. and **Leahy M.D., D.** Value Based Care. American College of Physicians Annual Meeting San Diego California April 2023.

Chaudhry, H.A. and **Wieting, J.M.** Licensure and Telemedicine: What Happens Now? American Osteopathic College of Physical Medicine and Rehabilitation Mid-Year Meeting March 31, 2023



## Scholarship from the DeBusk College of Osteopathic Medicine

### **Abstracts and Presentations (continued):**

**Elwert, N.C. and Wieting, J.M.** "One and Done: Preparing for the PM&R Intern Year". American Osteopathic College of Physical Medicine and Rehabilitation Mid-Year Meeting, Student Educational Track April 1, 2023

**Rick Slaven.** Trauma-Informed Teaching Practices for EMS Education. Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP) June 4, 2023

Abraham-Hardee, S.; Branda, A.; Bui, P.; **Jimenez, S.**; Sanders, M. Online Education, and its Impact on Board Scores. American Association of Colleges of Osteopathic Medicine (AACOM) Educating Leaders Conference, Baltimore, MD. Senior Leadership Development Program Capstone Project April 2023

Yodh J., Abali E., Arbor S., Baleja J., Deevska G., **Gromley Z.**, Henshaw M., Joshi V., Kesari A., Mamillapalli S., Mertzstein M., Myers L.C., Ritchie R.P., Spicer D., Zaidi A. Foundational Science Thread Maps for Curricular Integration in Health Professions Education. International association of Medical Science Educators (IAMSE) June 12, 2023

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## Scholarship from the DeBusk College of Osteopathic Medicine

### **Abstracts and Presentations (continued):**

Ivy (presenter), **Hendricks-Wenger**, Jones, Barker. Development of an In Vitro Test Bed for the Optimization of Drug Diffusion in Pediatric Solid Tumors Biomedical Engineering Society. 10/13/2023

**Brenk, A., Hecker, J., Kusumanchi, A., Cuadra, G., Palazzolo, D.** The Effects of Flavored and Unflavored ECIG-Generated Aerosol on Biofilm Formation of Oral Commensal Bacteria. Society of Toxicology. March 20, 2023

**Douglas, E.** Monetary Costs of Making Healthy Dietary Choices in Rural Appalachia Middlesboro ARH Family Medicine. American Academy of Family Physicians (AAFP) National Conference of Family Medicine Residents and Medical Students Kansas City, MO July 27-29, 2023

**Fox, B.C.,** Kolatorowiz, A., **Larson, N.A., Gassler, J.H.** and Boxey, G.J. The Contribution of Gluteus Maximus to the Posterior Iliotibial Tract: An Anatomic Study. American Academy of Clinical Anatomists (AACA) July 10-11, 2023.

**Fox, C., McGrew, L.** Follow-up Survey for Twelve-Week Dance Intervention Demonstrates Need for Precision-Medicine Community Public Health Service Programs in Rural Appalachia. OMED Virtual and Orlando, FL October 2023.

**Pourhashemi, C.,** Gallimore M.D., G, Dapagliflozin as a precursor to confusion related hypovolemia discovered during routine TIA workup. Henry County Medical Center, Research Day. March 17, 2023

**Boyer-Sprouse, C.,** Hussain MD, B. Akhtar MD, F.S.C.A.I, Y. Percutaneous Aspiration Versus Surgery Outcomes For Tricuspid Valve Endocarditis In Intravenous Drug Use. Cardiology Research Technologies, 7th Essentials of CME February 2023 Cardiology Research Technologies

Zahl, S., **Mondal, D.,** Tolentino, D., Fischer, J., and **Jimenez, S.** A survey of physician stress due to COVID-19 vaccine disparity: Potential of Osteopathic Manipulative Medicine. AACOM April 26 - 28, 2023



## Scholarship from the DeBusk College of Osteopathic Medicine

### **Abstracts and Presentations (continued):**

**Udhwani, G., Patel, B, Freeman, N.** The Treacherous Cycle of Inadequate Dermatological Care in Rural Appalachia. Brigham and Women's Hospital Dermatology Medical Student Virtual Research Symposium 2023 Virtual - Zoom May 24, 2023

Gex PhD, K.S., Leone PhD, R.M. **Aungst, J.L.**, Branson, K., Gray, K.M., Tomko, R.L. Identifying Brief Intervention Factors to Improve Cannabis Related Outcomes in Adolescents & Emerging Adults: A Systematic Review College on Problems of Drug Dependence 2023 Annual Scientific Meeting 7/18/23.

**Moon, J.**, Akisanya M.D., A. Case Report: Chronic Pediatric Hepatitis C Virus. Spring 2023 National SOMA Research Symposium Zoom 3/11/2023.

**Kuzmich, M, Fox, C., Campbell, H., Gates, K., McGrew, L.** Patient Reported Outcome Measure in the Assessment of Rural Appalachian Health Service Programs Centered on Brain Health / VCOM National Rural Medicine Conference. August 26, 2023, VCOM Cureus Academic Channel.

**Turner, M., Ruff, C.** Writing An Appropriate Needs Assessment. Conference on Teaching Writing in the Health Professions (WIHPcon) 06/02/2023

**Mina Abouda, A.** and Yemane, M.D., M. Cirrhosis with Anasarca in a Decompensated Congestive Heart Failure Patient. Henry County Medical Center Research Day. March 10, 2023

**Tervil, N., Gromley, Z.** Exploring the perceptions of osteopathic medical students on the importance of research in their medical education and residency placement. July 2022-July 2023. Association of Professors of Human and Medical Genetics Kiawah Island, South Carolina, May 2-5, 2023.

**Britt, J., Dunn, S.** "ARH Providers' Perspectives on Telemedicine" ARH's Middlesboro Leadership Meeting. 27 April 2023 The ARH healthcare system.



## Scholarship from the DeBusk College of Osteopathic Medicine

### **Abstracts and Presentations (continued):**

**Syed, Z.**, Dr. Skorin. Ophthalmic Eponyms: Behind the Name. American Osteopathic Colleges of Ophthalmology and Otolaryngology Head and Neck Surgery AOCOO-HNS 2023 Annual Clinical Assembly San Diego, CA April 26 - April 29, 2023.

**Syed, Z.**, Crothers, A. Reduction of Immediate Use Steam Sterilization in Surgical Ophthalmology Cases Eye Specialty Group; American Society of Ophthalmic Trauma 3rd Annual Meeting Columbia, NY June 3rd, 2023.

**Syed, Z.**, Crothers, A Reduction of Immediate Use Steam Sterilization in Surgical Ophthalmology Cases. Women in Ophthalmology Summer Session 2023 MARCO ISLAND, FLORIDA August 24th-27th.

**Patel, A.**, Vetrees, A., **Palazzolo, D.**, and **Keagy, G.** The Implications on the Rate of Hospital Admissions and Financial Outcomes in Patients with Acute Cholecystitis During COVID-19 Pandemic. SAGES 2023

**Barbee, C.** Khandelwal, S., Francis, S., Sartoretto, S., and Arepally, G. ITP antibodies mediate complement activation and platelet desialylation. TOMA 125th Anniversary Annual Convention Virtual Poster Contest April 2023.

**Blum-Kingsley, R., and Zeller, A.M.** "Osteopathic Approach to Cancer" \*2nd Place R. Blum-Kingsley TOMA 125th Anniversary Annual Convention Virtual Poster Contest April 2023.

**Bolleddu, S. Conley, A., Harrison, S., and Rochford, M., and Freeman, N.E.** Impact of Flavonoids on Pancreatic Adenocarcinoma and Melanoma. TOMA 125th Anniversary Annual Convention Virtual Poster Contest April 2023

Amin, S.J. **Hartman, H.** Ierulli, V.K. and Mulcahey, M.K. Collaborative Orthopedic Education Research Group. TOMA 125th Anniversary Annual Convention Virtual Poster Contest April 2023.



## Scholarship from the DeBusk College of Osteopathic Medicine

### ***Abstracts and Presentations (continued):***

**Anders, K. Aljameey, U., Marie, B., Kolatorowicz, A., Wilde, R. and Nelson, P.** The Anatomical Donation Program at Lincoln Memorial University-DeBusk College of Medicine: Science in the Service of Humanity. TOMA 125th Anniversary Annual Convention Virtual Poster Contest April 2023.

**Marik, C., Landgrod, T. Whitefoot, C., and Bergman, S.** Evaluation of a correlation between somatic dysfunction, activity level and perceived stress. TOMA 125th Anniversary Annual Convention Virtual Poster Contest April 2023.

**Haver, A., McKay, A., and Zeller, AM.** A Literature Review on Osteopathic and Integrative Approaches to the Treatment of Scars. TOMA April 29, 2023

**Moon, J.,** Ortleib, T. and Akisanya, A. Case Report: Chronic Pediatric Hepatitis C Virus. **\*1st Place Jessica Moon.** TOMA 125th Anniversary Annual Convention Virtual Poster Contest April 2023.

**Bergman, S., Jones, C., and Payne, L.** Osteopathic Medicine in the era of chronic diseases: Re-examining the Therapeutic Mechanisms Behind OMT; a narrative review. TOMA 125th Anniversary Annual Convention Virtual Poster Contest April 2023.

**Sico, I., Kiser, K., Wieting, J.M., and Jimenez, S.J.** Assessing Medical and Pharmacy Students' Perceptions of Teamwork and Communication on Patient Safety Practices. TOMA 125th Anniversary Annual Convention Virtual Poster Contest April 2023.

**Notta, S., Smith, B., Notta., N. and Mondal, D.** Development of an In-Vitro Stretch and Strain Model with Mechanoculture FX Device to Simulate the effects of Myofascial Release on Adipose Stem Cells and their response when co-cultured with pancreatic and prostate cancer cells. Essentials of Clinical Medicine Poster Competition. TOMA 125th Anniversary Annual Convention Virtual Poster Contest April 2023.

**Tran, B.N.,** and Maples, R. A Case Report of Noonan Syndrome with Multiple Lentiginos. Essentials of Clinical Medicine Poster Competition TOMA 125th Anniversary Annual Convention Virtual Poster Contest April 2023.





## Scholarship from the DeBusk College of Osteopathic Medicine

### **Abstracts and Presentations (continued):**

**Chapman, C., Uptmore, J., and Wenger, F.** Adverse Childhood Events (ACEs) and Their Correlation with Burnout in the Medical Profession: A Literature Review. TOMA 125th Anniversary Annual Convention Virtual Poster Contest April 2023.

**Stansberry, S. Welsh, C.,** and Finley, A. Case Report of Post Cardiac Arrest Therapeutic Hypothermia in Rural Care. \*3rd Caroline Welsh TOMA 125th Anniversary Annual Convention Virtual Poster Contest April 2023.

**Woolf, R.,** and Uy, E. Hyperandrogenism Due to Ovarian Hyperandrogenemia in a Postmenopausal Woman with Adrenal Adenoma. TOMA 125th Anniversary Annual Convention Virtual Poster Contest April 2023.

**Hoy, K.,** Mackie, T., Morrow, T., Inverso, H., and Jaser, S. Analyzing Goal Setting in Adolescents with Type 1 Diabetes. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023.

**Barbee, C.,** Khandelwal, S., Francis, S., Sartoretto, S., and Arepally, G. ITP antibodies mediate complement activation and platelet desialylation. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023.

**Kenny, B.,** Foster, M., and Polk, B. COVID-19-Related Sub-Massive Pulmonary Embolism: Case Report and Implications for Future Care. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023. \*2nd Place Winner

**Moon, J.,** Ortleib, T. and Akisanya, A. Case Report: Chronic Pediatric Hepatitis C Virus. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023.

**Kenny, B.,** Foster, M., **Bradley, J.,** Walker, W., Weiman, D., and **Boyer-Sprouse, C.** Reducing Complications of Post-Infarction VSD Repair with a "Heart Team" Poster Presentation. Approach. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023.



## Scholarship from the DeBusk College of Osteopathic Medicine

### **Abstracts and Presentations (continued):**

**Trevil, N., Gromley, Z., and Gromley, A.** Exploring the perceptions of osteopathic medical students on the importance of research in their medical education and residency placement. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023.

**White, M.** Case Study: Vaginal Hysterectomy of the Didelphic Uterus. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023.

**Woodson, S., and McGrew, L.** Testing St. John's Wort with Zebra Fish to measure anxiety and stress levels. . Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023. \*3rd Place Winner

**Tran, B.N.,** and Maples, R. A Case Report of Noonan Syndrome with Multiple Lentiginos. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023

**Nguyen, N.,** and Nele, S. The Formation of Cardiac Tamponade in a SARS-COV-2 Veteran. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023.

**Tran, B.N.,** and Householder, J.M. Rectovaginal Fistulas and Routine Episiotomy. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023.

**Towner, R., and Weston, D.** Association Between Somatic Dysfunction and Myofascial Trigger Points that Refer Pain to the Head & Neck. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023. \*Award: Outstanding Project Related to Osteopathic Manipulative Medicine.

Deel, S., **Felts, H.** and **Grindstaff, M. A.** Unique Presentation of Immune Thrombocytopenia in the Rural Pediatric Population: A Case Report. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023.



## Scholarship from the DeBusk College of Osteopathic Medicine

### **Abstracts and Presentations (continued):**

**Notta, S., Smith, B., Notta, N. and Mondal, D.** Development of an In-Vitro Stretch and Strain Model with Mechanoculture FX Device to Simulate the effects of Myofascial Release on Adipose Stem Cells and their response when co-cultured with pancreatic and prostate cancer cells. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023.

**Sundin, A., Grove, J.,** and Youssef, B. Pulmonary Embryonal Rhabdomyosarcoma: A differential in pulmonary masses. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023.

**Kuszmich, M., Fox, C., Gates, K., Campbell, H., and McGrew, L.** Twelve Weeks of Dance Exercise in Rural Appalachia: A Patient-Reported Outcome Measure of Long-Term Health Conditions. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023. \*First Place Winner.

**Notta, S., Khan, T.,and Wang, J.** A Case of Acute Ulcerative Colitis Flare with Aortitis and Osteomyelitis and Necrotizing Fasciitis of left knee complicated by 6-Mercaptopurine. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023.

**Martin, C.S.,** and Barry, N. A Case Series of COVID-19 Aortic Insufficiency. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023.

**Blair, B., Ingram, M., and Babos, M.B.** Sickle Cell Disease Knowledge of Health Care Providers. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023.

**Lester, C. and Babos, M.B.** Cannabis: Knowledge and Opinions. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023.

**Boyer-Sprouse, C., Kenny, B.** and Akhtar, Y. The Percutaneous Removal of a Chronically Retained Wire in the Right Atrium and IVC. Essentials of Clinical Medicine Poster Competition. 7th Annual CME Conference. 06/10/2023.



## Scholarship from the DeBusk College of Osteopathic Medicine

### **Abstracts and Presentations (continued):**

**Kuzmich, M., Fox, C., and McGrew, L.** "Building Rural Appalachian Integrative Neurology Systems." OMED Day 2023 \*winner" Poster.

**Harper, T.,** MacPhee, R. INTERNAL PETROSAL ANATOMY OF TWO EARLY MIOCENE LITOPTERNS poster presentation at 2023 SVP.

**Harper, T.,** Holmes, B., & Linnard, G. (2023). Studying dental development in an extinct marsupial: The History, Ecology and Loss of the Tasmanian Tiger. *The History, Ecology and Loss of the Tasmanian Tiger*, 240.

**Sico I.P., Kiser, K, Wieting, J.M., Jimenez, S.** Assessing Medical and Pharmacy Students' Perceptions of Teamwork and Communication on Patient Safety Practices. Poster presentation. TIPEC Annual Conference. 07/28/2023.

Camba, V., Pfeiffer, C, **Sparkman, A.**, Siraj, T. , Smith, N., and Volansky, P. DO. A Mare Accident: Resulting in a Traumatic Ventral Septal Defect Poster and Oral Presentation, SMA Physicians-in-Training Leadership Conference. 2/25/2023.

Camba, V. DO; Marvell, S. MD; **Sparkman, A.**; Olsen, D. MD; Tucker, C. MD. Poster, and Oral Presentation. The 40-Year-Old Choledocholithiasis: Choledocholithiasis Found 40 Years Post Cholecystectomy. 2/25/2023.

**Rosner, J., Mondal, D.** A collaborative project monitoring Castration Resistant Prostate Cancer (CRPC) Cell Proliferation Using Finasteride, Enzalutamide, and BardoXolone-me Combination. 8. Fulwood, E. Understanding variation in freshwater mussel shells across a river gradient. Society for Integrative and Comparative Biology. Poster. January 2023.

**Toma, N.** OMS IV, Herrell, H. MD. Is ChatGPT Useful for Medical Queries? Abstract/Poster. SIDM Conference October 9, 2023.

**Wenger, F.** LMU Opioid Symposium 4/18/23 Panel Discussant



## Scholarship from the DeBusk College of Osteopathic Medicine

### **Abstracts and Presentations (continued):**

**Wieting, J.M.** "Cardiac Considerations in Sports Medicine Practice." 7th Annual Essentials of Clinical Medicine Conference, LMU-DCOM Alumni Association Pigeon Forge, TN. June 9, 2023.

**Wieting, J.M.** "Licensure and Telemedicine-What Happens Now?" AOCPMR Mid-Year Meeting Philadelphia, PA March 31, 2023.

**Blair, B. Babos, M.B.** "Sickle Cell Experience in Rural Communities" VCOM National Rural Medicine Conference 2023. August 26, 2023.

## Scholarship from Administrative Staff

### **Presentations**

**Blaze Bowers**, "Legal Issues in Higher Education: Navigating a New Era in Law & Policy," at the Appalachian College Association's Teaching & Leadership Institute Higher Education Leadership Development Track, June 2023.

**Blaze Bowers**, "Session on the Supreme Court's Landmark Decision on College Admissions in the Context of the Appalachian College Association," at the Appalachian College Association, June 2023.

**Blaze Bowers**, "Follow-Up Session on College Admissions and Affirmative Action: Post-SFFA v. Harvard & the Biden Administration's DOJ and ED Guidance," at the Appalachian College Association, June 2023.

**Elise Syoen**, "Small School Magic: Small School Roundtable" at the SROW (Southern Regional Orientation Workshop) Conference in March 2023



## Scholarship from Administrative Staff

### ***Presentations (Continued)***

**Elise Syoen** and **Kelcee Griffith**, "Everyone Dances to Their Own Tune, How OLs Meet Expectations in a Variety of Ways" at the SROW (Southern Regional Orientation Workshop) Conference in March 2023.

**Elise Syoen**, "Higher Ed or Related Field" at the NASPA Region III Summer Symposium in June 2023.

### ***Appointments:***

**Blaze Bowers**, appointed to the Appalachian College Association's inaugural Student Affairs Executive Committee, June 2023.

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

### ***Presentations:***

**Abigail Heiniger**, "The Magic of Patwa in Bluebeard and Brer Anancy: Colonial Oppression and the Transgressive Power of Language." Norm and Transgression in the Fairy-Tale Tradition: (Non)Normative Identities, Forms, and Writings. Providence, RI 2023.

### ***Publications:***

**Benjamin Mabry**. 2023. "Losing Their Religion." First Things, No. 335: 57-59.

**Martin Sellers**, "Name, Image, and Likeness (NILs): What Impact Will NILs Have on Students in the Classroom? Journal of Higher Education Theory and Practice. Vol.23 No.2 (2023).  
<https://doi.org/10.33423/jhetp.v23i2>

### ***Attendance:***

**Stephanie Holyfield** attended The Victorian Society of America's London Summer School and conducted research in the Alfred Gillet Trust archives in Street, Somerset.



## Scholarship from the School of Education

### ***Presentations:***

**Blair Dean** and **Krissy Paradissis** presented "Hoarding Disorder (HD) in Children and Adolescents" at the TLPCA Summit in June 2023..

## Scholarship from the School of Mathematics and Sciences

### ***Presentations:***

**Jason Fowler** presented at the international Society for the Advancement of Biology Education Research Conference.

### ***Publications:***

**Joshua A. Boldon** and **Thomas A. Shell**, "Physicochemical properties of acedoben and its trifluoroacetamido derivative," *Results in Chemistry*, Vol. 6, 2023, <https://doi.org/10.1016/j.rechem.2023.101075>

## Recent Grant Awards

**Lisa Shelburne** and **Amy Drittler** received approval for their application, "Does having an alumni mentor impact the number of virtual or in person residency interviews obtained by a 4th year medical student?" from the American Association of Colleges of Osteopathic Medicine.

**Crystal Hunnicutt** received approval for a Nurse Anesthetist Traineeship grant from the Health Resources and Services Administration.

**Julie Hunt, Lynda Miller, and Victoria Morris** received approval for their application, "Validation of bovine clinical skills training models and rubrics," to the Southern Veterinary Education Consortium.

**Robin Johnson** received approval for her application for a High Visibility grant from the Tennessee Highway Safety Office.



## Recent Award Submissions

**Stephanie Keer** submitted her application, “Comparative Skeletal Ontogeny and Osteology of Ranidae Species of Central Appalachia,” to the National Science Foundation.

**Lauren Wisnieski** submitted her application, “Evaluating the effects of pet adoption, the human-animal bond (HAB), and pet behavior on mental health in adults,” to Purina.

**Paul Wood** and **Ashutosh Verma** submitted their application, “Building a Bacterial Lipidomics Data Base (BaLipidDB) with Validation in Veterinary Clinical Cases” to USDA NIFA.

**Julie Hunt, Lynda Miller, and Victoria Morris** submitted their application, “Validation of bovine clinical skills training models and rubrics” to the Southern Veterinary Education Consortium.

**Matthew Kolp** and **Barbara Shock** submitted their application, “Testing a new, high-throughput NGS method for identifying tick species, blood meal, and pathogens using a Central Appalachian tick collection” to the National Center for Veterinary Parasitology.

**Charles Faulkner, Lauren Wisnieski, and Crystal LeRoy** submitted their application, “Canine heartworm Infection and Prophylaxis Use Among Pet Caretakers of the Cumberland Gap Region of Kentucky and Virginia” to the National Center for Veterinary Parasitology.

**Whitney Kistler** and **Ashutosh Verma** submitted their application, “Evaluation of Antimicrobial Resistance in Wastewater and Sewage Sludge Treatment and its Impact on the Environment” to the Environmental Protection Agency as a subrecipient of Texas Tech University.

**Ammaar Abidi** submitted his application, “Examining the Efficacy of Castor Oil and Cannabidiol-Infused Castor Oil to Manage Arthritic Knee Pain in a Randomized Clinical Crossover Trial” to the National Institute on Drug Abuse as a subrecipient of the University of Tennessee Health Science Center.

### Updates to the ORGSP website:

- [Student Research Opportunities Page](#)
- [Funding Resources Page](#)





# Grants

## OFFICE OF RESEARCH, GRANTS AND SPONSORED PROJECTS

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## ORGSP COMMITTEES

### **Institutional Review Board (IRB)**

Oversight on all research proposals and projects involving human subjects.  
irb@lmunet.edu

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

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

Oversight on research involving biological materials and chemicals  
ibcsc@lmunet.edu

### **Committee on Scholarly Activity (COSA)**

To promote scholarly activity and research at LMU.

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*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!*