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Spring 2022

Office of Research, Grants and Sponsored Programs Newsletter, Spring 2022

Lincoln Memorial University, Office of Research, Grants, and Sponsored Programs

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Office of Research, Grants and Sponsored Programs

Lincoln Memorial University's Research Day was held on April 22, 2022 in the CVM building on the Harrogate campus. Over 100 students, faculty and staff participated to make this an exciting event. Below are the awards for poster and oral presentations. Thanks to everyone who helped make this event a success!

First Place Undergraduate Poster – Caitlyn Lindell

Synthesis of a Vitamin B-12 Conjugate with a Mitochondrial Localization Peptide

Second Place Undergraduate Poster – Sinclair Conley

Evaluating Weight Status of Dog Owners as a Possible Weight Predictor for Their Dogs

Third Place Undergraduate Poster (tie) – Stephanie Wright

Assessment of the Virulence of Escherichia coli Samples Collected from the Powell River

Third Place Undergraduate Poster (tie) – Hannah Blevins

Prevalence and diversity of Ehrlichia spp. from Ixodid ticks in the Cumberland Gap Region of Tennessee, Kentucky and Virginia

First Place Graduate Poster – Nicholas Townsend & Jeffrey Martin

The influence of different target inflation pressures on physiological outcomes associated with external counterpulsation (ECP)

Second Place Graduate Poster – Kaitlin Sons and Jonathan Guihurt

Bilateral Anotia and Common Co-morbidities: A Case Study of a Human Donor

Third Place Graduate Poster – Hannah Sherrod and Jetta Brady

Developing a Program of Research to Assess the Anxiolytic Properties of Appalachian Herbs in Danio rerio

First Place Undergraduate Oral

Emma Cummings, Chrissy Bradley, Emily Roark, Lara Gunter, Sarah Long, Sarah Fultz, Kaitlyn Luster, Mackenzie Amoureux

Lincoln's Long-Lost Legacy: Lesser-Known Stories of Abraham Lincoln

Second Place Undergraduate Oral – Emily Roark

Activity of ticks from various habitats and times of day, and corresponding infection status with Borrelia spp, and Babesia spp

Third Place Undergraduate Oral – Hannah Blevins

Occupancy of Allegheny woodrat and small mammals at rocky outcrops of Lilley Cornett Woods

First Place Graduate Oral – Lindsey Cochran

Middle Grades general Educators' Perceptions of Preparedness to Provide Instruction to Students with Disabilities

Second Place Graduate Oral – Nathan Turrell

Piroplasms in the genera Babesia, Theileria, and Cytauxzoon from Ixodid Ticks in the Cumberland Gap Region

Third Place Graduate Oral (tie) – Mary Kabir

Bartonella prevalence, diversity and associated risks in Appalachia

Third Place Graduate Oral (tie) - Isabelle Sico

Assessing Medical and Pharmacy Students' Perceptions of Teamwork and Communication on Patient Safety Practices

LMU SSS STUDENTS VISIT DOLLYWOOD



On April 23, 2022, students and staff from the Lincoln Memorial University Student Support Services program enjoyed a visit to Dollywood in Pigeon Forge, Tennessee. While there, students had an opportunity to participate in the Food and Flower Festival which included larger-than-life mosaic-figures blossom across the park. Beneath the rainbow-hued tapestry of the Umbrella Sky, students were able to sample unique food flavors while listening to dozens of lively musicians and viewing more than 500,000 vibrant flowers.

The Student Support Services Program serves 165 qualifying students on the campus of Lincoln Memorial University and provides, advising, tutoring, counseling, mentoring, and career planning to help students succeed in a post-secondary education. For more information about the program, please contact Lila Combs, Director at 423-869-6213.

The Honors Scholars Program has taken its 2nd Annual Group Academic Trip, their first since the pandemic! A group of eight honors scholars traveled to Washington, DC in February to sightsee and learn more about places that were important to Abraham Lincoln. They visited the Lincoln Memorial and Ford's Theater, of course, but also "off the beaten path" sites, such as Lincoln's Cottage and Fort Stevens, that were important during his presidency. The students conducted further research that was shared in a presentation at LMU's Research Day that celebrates Lincoln's life. Students Mackenzie Armoureux, Kaitlyn Luster, Sarah Long, Emily Roark, Lara Gunter and Sarah Fultz pictured.



Before she begins working on her Master's degree in LMU's Criminal Justice program, Honors scholar and 2022 graduate Christina Bradley will be heading to Disney World for the summer. She was accepted into the Disney College Program, a highly competitive, paid internship that allows students to live and work in Orlando for several months.



Christina Bradley on graduation day, May 7th, 2022

Christina says she decided to apply for the internship after traveling to the National Collegiate Honors Council Conference last October in Orlando. She hopes to learn about some of the behind-the-scenes operations related to law and park security while on the job. She also looks forward to the internship's perks, like free park tickets for her to share with family members! Good luck with your internship, Chrissy!



Christina Bradley and Emma Cummings

The Disney College Program helps students discover a unique living and working environment with participants from all over the world. The program allows students to gain on-the-job experiences with a world-renowned company, providing uniquely Disney learning experiences, all while preparing for your future, building transferable skills, including networking, problem solving, teamwork and effective communication.

News from the DeBusk College of Osteopathic Medicine

Presentations:

- Nicholas Toma, Stan Kunigelis. "An SEM Study of Blastodinium Parasitism of Estuarine Calanoid Copepods: Impact on Mankind" Appalachian Student Research Forum, ETSU Student Center, April 6-7, 2022.
- Ashley Sundin, Mary Beth Babos, Rick Slaven, Haley Felts, Gabrielle Truitt, Nicholas Toma, Teresa Campbell, Kali Weaver, Aaron Kuzel. "An exploration of bacterial microbiome in E. TN ambulances" Appalachian Student Research Forum, ETSU Student Center, April 6-7, 2022.
- Zurriat Syed, Syed Quadri. "Visual Health Impact of Online Learning during COVID-19 in Osteopathic Medical Students." LMU Research Day, April 22, 2022.
- Nicholas Toma, Stan Kunigelis. "Blastodinium Parasitism of Estuarine Calanoid Copepods: Potential Population/Environmental Impacts." LMU Research Day, April 22, 2022.
- Jun Wang, Marissa Viola. "Concurrent p53 mutation in EGFR mutant non-small cell lung cancer is associated with resistance to first and second generation EGFR tyrosine kinase inhibitors, a meta-analysis." LMU Research Day, April 22, 2022.
- Shoreh Kahhal, Debasis Mondal. "Co-exposure to nanomolar doses of the pharmaceutical drugs bardoxolone-methyl and bortezomib abrogates prostate cancer cell growth in vitro." LMU Research Day, April 22, 2022.
- Talal Khan, Debasis Mondal. "Effect of bardoxolone-methyl (CDDO-Me) and dimethyl sulfoxide (DMSO) combination on prostate cancer cell growth and migration in vitro." LMU Research Day, April 22, 2022.
- Bhavik Patel, Gursimran Udhwani, Natalie Freeman. "Melanoma in Dermatological Care in Appalachia." LMU Research Day, April 22, 2022.
- Kaleigh Cross-Brown, Mary Beth Babos. "Protocol and Internal Website Development for the Extraction and Evaluation of Herbal Substances." LMU Research Day, April 22, 2022.
- Kaitlin Sons, Jonathan Guihurt, Brent Thompson. "Bilateral Anotia and Common Co-morbidities: A Case Study of a Human Donor." LMU Research Day, April 22, 2022.
- Isabelle Sico, Sherry Jimenez. "Assessing Medical and Pharmacy Students' Perceptions of Teamwork and Communication on Patient Safety Practices." LMU Research Day, April 22, 2022.
- Ashley Sundin, Haley Felts, Mary Beth Babos. "An Exploration of Bacterial Microbiomes in Eastern Tennessee Ambulances." LMU Research Day, April 22, 2022.
- Sidney Harrison, Megan Rochford, Natalie Freeman. "Role of a Flavonoid In Mouse Melanoma Cells." LMU Research Day, April 22, 2022.
- Meaghan Kuzmich, Cambri Fox, Lori McGrew. "Qualitative Survey of Dance for Parkinson's Participants in Rural Appalachia." LMU Research Day, April 22, 2022.
- Andrew Kleehammer, Milan Sheth. "A Novel Finding of Isolated Parachute Mitral Valve and Left Ventricular Non-Compaction Presenting as New Onset Cardiomyopathy in an Adult Patient." LMU Research Day, April 22, 2022.
- Jonathan Guihurt, Allison Martin, Chloe Ruff. "Quantified Exposure to Clinical Procedures by Rotation Setting in the OMS Third and Fourth Years." LMU Research Day, April 22, 2022.

News from the DeBusk College of Osteopathic Medicine

- Blaine Marie, Sarah Daabies, Christine Sniffen, Stacy Chelf. "Dexterity in Healthcare Students: Lessons Learned and Changes Implemented." LMU Research Day, April 22, 2022.
- Amar Bukvic, Debasis Mondal. "Melittin and its synthetic analogs show decreased hemolytic activity in serum: a crucial observation to facilitate their translation as novel antibacterial agents." LMU Research Day, April 22, 2022.
- Warren Dean V, Adam Kolatorowicz. "Analysis of implementing non-medical professional Glaucoma screening in a free medical clinic setting." LMU Research Day, April 22, 2022.
- K. Solanki, R. Patel, B. Sopontammarak, A. M. Elabbassi. "A Curious Case of a Colossal Carcinoid Tumor." American Thoracic Society 2022 International Conference, May 13-18, 2022 - San Francisco, CA.
- Hannah Goebel and Teanna Moore, D.O. Female Physician Infertility: Pre- and Post-Educational Intervention Analysis. Poster Presentation at West Virginia American College of Physicians Abstract and Poster Competition; December 2021; Roanoke, WV and Poster Presentation at National ACP Meeting; April 2022 *Won first place in poster competition; Chicago, IL.
- Hannah Goebel and Teanna Moore, D.O. Female Physician Infertility: Pre- and Post-Educational Intervention Analysis. Poster Presentation at MEFACOOG Poster Competition ACOOG's 89th Annual Conference; April 2022; San Antonio, TX. *Poster competition "Honorable Mention".
- Folarin O, Townsend N, Holland M, O'Brien A, Vase B, Hickman R, Chelf S and Martin J. The influence of target inflation pressures on physiological outcomes associated with external counterpulsation (ECP). 124th Annual Tennessee Osteopathic Medical Association Convention. April 2022 *Poster Competition Award Winner.
- Townsend N, Holland M, Folarin O, O'Brien A, Vase B, Hickman R, Chelf S and Martin J. The influence of different target inflation pressures on physiological outcomes associated with external counterpulsation (ECP). 6th Annual Lincoln Memorial University Research Day. April 2022. *Poster Competition Award Winner.
- Jenkins JK, Smith F, Mularz S, Chaudhary S. Heterotopic pancreas located at the gastroesophageal junction in a hiatal hernia: A case report – 124th Annual Tennessee Osteopathic Medical Association (TOMA) Convention and Scientific Seminar – April 2022.
- Kaitlin Sons, Johnathan Guihurt, Tony Harper, and Brent Thompson. "A Case Report of Rare Bilateral Anotia and Associate Anatomical Variation." American Association of Anatomists June 2022.
- Brooke Martin, Kristine Gillian and Adam Kolatorowicz. " American Association of Anatomists June 2022.
- Zurriat Syed, Syed Quadri. "Visual Health Impact of Online Learning during COVID-19 in Osteopathic Medical Students." 124th Annual Tennessee Osteopathic Medical Association Convention.
- Nicholas Toma, Stan Kunigelis. "Blastodinium Parasitism of Estuarine Calanoid Copepods: Potential Population/Environmental Impacts." Lincoln Memorial University Research Day, April 22, 2022.

News from the DeBusk College of Osteopathic Medicine

- Nair, V. B., Wilkerson, A. H, Davis, R. E., Sharma, M., Quadri S. S. A., Samuel, K. D., & Nahar, V. K. "Testing Multi-theory Model (MTM) in Predicting Initiation and Sustenance of Adequate Sleep Behavior among Medical College Students." Mississippi Public Health Association, Annual Conference, April, 2022, Flowood, MS.
- Viola M, Kolatorowicz A, Wang J. 2022. Concurrent p53 Mutation in EGFR Mutant Non-Small Cell Lung Cancer is Associated with Resistance to First and Second Generation EGFR Tyrosine Kinase Inhibitors, a Meta-Analysis. Poster presentation at the Lincoln Memorial University Research Day, Harrogate TN.
- Talal Khan, Debasis Mondal. "Effect of bardoxolone-methyl (CDDO-Me) and dimethyl sulfoxide (DMSO) combination on prostate cancer cell growth and migration in vitro." 124th Annual Tennessee Osteopathic Medical Association Convention.
- Bhavik Patel, Gursimran Udhwani, Natalie Freeman. "Melanoma in Dermatological Care in Appalachia." 124th Annual Tennessee Osteopathic Medical Association Convention.
- Sidney Harrison, Megan Rochford, Natalie Freeman. "Role of a Flavonoid In Mouse Melanoma Cells." 124th Annual Tennessee Osteopathic Medical Association Convention.
- Amar Bukvic, Debasis Mondal. "Melittin and its synthetic analogs show decreased hemolytic activity in serum: a crucial observation to facilitate their translation as novel antibacterial agents." 124th Annual Tennessee Osteopathic Medical Association Convention.
- Troy Kendrick and Natalie Freeman. Oral Presentation "Perceived Intelligence and Mindset in The Performance of The Osteopathic Medical Student." Lincoln Memorial University Research Day, April 22, 2022.
- Hopkins, Sarah and Palazolo, Domenico. "The Effects of ECG-generated Aerosol on the Longevity, Growth and Lipid Metabolism of C.elegans.
- Roland, H., Holland, J., Harrison, S., Rochford, M., and Freeman, N.E. Role of Chrysin in Human Pancreatic Cells. Lincoln Memorial University Research Day, April 22, 2022.
- Roland, H., Holland, J., Harrison, S., Rochford, M., and Freeman, N.E. Role of Chrysin in Human Pancreatic Cells. 124th Annual Tennessee Osteopathic Medical Association Convention.
- Murad, Hakm Y., Chandra, Partha K., Kelly, Charles A., Khurana, Namrata, Yu, Heng, Bortz, Emma P., Hong, Shirley, N. Mondal, Debasis, Khismatullin, Damir B. Pre-exposure to stress-inducing agents increase the anticancer efficacy of focused ultrasound against aggressive prostate cancer cells. AACR Annual Meeting April 2022.
- Khurana, N, Kim, H., Khan, T, Kahhal, S, Bukvic, A., Abdel-Mageed, A.B., Sikka, S.C., Mondal, D. Low dose dimethyl sulfoxide (DMSO) downregulates the expression of androgen receptor (AR) and AR-variant 7 (AR-v-7) in castration resistant prostate cancer (CRPC) cells. AACR Annual Meeting April 2022.
- Augustyniak, R.A. and M. Kruidering-Hall (Co-Chairs), M. Paniagua and A.Z. Ables (Facilitators) "Are You Measuring What You Think You Are? Writing Board -Style Multiple Choice Questions" Experimental Biology April 2022.

News from the DeBusk College of Osteopathic Medicine

- Spires Z, Tweedie S, Kolatorowicz A. 2022. Case Report of Bilateral Inferior Pole Renal Vasculature. Poster presentation at the 124th annual convention of the Tennessee Osteopathic Medical Association, Knoxville TN.
- Sundin, A., Babos, M.B., Slaven, R., Felts, H., Truitt, G., Toma, N., Campbell, T., Weaver, K.W., and Kuzel, A. An Exploration of Bacterial Microbiome in E. TN Ambulances. Appalachian Student Research Forum & Jay S. Boland Undergraduate Research Symposium. April 2022.
- Orcutt, G.J., Mitchell, C., Difference in nosocomial infection rates of inpatients since the adoption of a “hospital laundered scrubs” only policy at a rural regional health center.
- Chesnut, J. Point of Care Ultrasound. 124th annual convention of the Tennessee Osteopathic Medical Association, Knoxville TN.
- Martin B, Gilligan K, Kolatorowicz A. 2022. Morphometric Analysis of Mitral Annulus Shape Variation. Poster presentation at the 39th Annual Meeting of the American Association of Clinical Anatomists, Ft. Worth TX.*
- Young M, Gombolay G, Anderson M, Goldman-Yassen A, Thakral A, Dutt M, Wolf D. Neurosarcoidosis in children: A systemic review and summary of cases, imaging, and management. pending acceptance in Journal of Neuroimmunology and has been accepted to be presented at Child Neurology Association 2022 annual meeting.
- Taylor, E, Miller L. A Case of Post-Covid Massive Peri-villous Fibrin Deposition (MPFD). 124th Annual Tennessee Osteopathic Medical Association Convention. April 2022.
- Yasin Akhtar MBBS,FACC,FACAI, Cody Boyer-Sprouse, Rapidly Ascending Aortic Root Aneurysm After AVR. 22nd Cardiology Research Tech. Washington D.C.
- Sebag J. Nguyen J, Yee KM, Nguyen-Cuu J. Vitrectomy Improves Contrast Sensitivity in Multifocal Pseudophakia. The American Ophthalmological Society, Colorado Springs, Colorado, May 25, 2022.
- Kendrick, T. and Gray, K. Presentation on African Americans in Surgery. University of Tennessee Graduate School of Medicine Health Disparities Grand Rounds. January 2022
- James Richman, Hailey Grubbs, Christopher W. Robb. Utilization of Broad Band Light for Treatment of Cutaneous T-Cell Lymphomas. Lasers in Surgery and Medicine. March 2022; 54(S34): S34-S35. 41st ASLMS Annual Conference Energy Based Medicine and Science April 27-30, 2022.
- Abwini, L., Tang A., Shichman I., Schwarzkopf R., Liporace F., Yoon R.. Is an Immediate Weight-Bearing as Tolerated Protocol Safe in Patients Undergoing an Extended Trochanteric Osteotomy During Revision Total Hip Arthroplasty? Poster presented at: 124th Annual Tennessee Osteopathic Medical Association Convention; 2022 Apr 9; Knoxville, TN.
- Karly Castellaw, Priyanka R. Dharampuriya, Jarryd Rivera MD, Samidha Dutta DO. “Necessity of ordering coagulation panels in the ED: A preliminary look”. Adena Health System Research Day, June 7, 2022.
- Thorderson J, Maycock, T. Hepatorenal syndrome and the differential for acute on chronic renal failure in a type II diabetic. Grand Rounds Case Presentation University of Alabama, Department of Family Medicine. March 2022

News from the DeBusk College of Osteopathic Medicine

Publications

- Zach Budes, Melinda Klar, Sujata Datta, Emily Moore & Leonard Lamsen (2022) Evaluating first year residents' communication skills: a health literacy curriculum needs assessment, *Journal of Communication in Healthcare*, DOI: 10.1080/17538068.2022.2026054
- Ali A, Mahmoud S, Nguyen J. Amlodipine-induced eczematous drug eruption. Consultant. Published online February 2, 2022. doi:10.25270/con.2022.02.00002
- Williams PJ, Kwock C, Walker C, Walter O, Sucandy I, Chudzinski AP. Primary Synovial Sarcoma of the Rectum. *The American Surgeon*. February 2022. doi:10.1177/00031348221074221
- Spitnale M J, Thier Z T, Grabowski G (February 10, 2022) Lateral Lumbar Interbody Fusion at the L5-S1 Vertebral Level: A Unique Anatomical Case Report. *Cureus* 14 (2): e22096. doi:10.7759/cureus.22096
- Beger AW, Dudzik B, Woltjer RL, Wood PL. Human Brain Lipidomics: Pilot Analysis of the Basal Ganglia Sphingolipidome in Parkinson's Disease and Lewy Body Disease. *Metabolites*. 2022; 12(2):187. <https://doi.org/10.3390/metabo12020187>
- Muhtasham Sifaat, Pinak Patel, Razan Sheikh, Dawood Ghaffar, Hitesh Vaishnav, Ludmila Nahar, Sonia Rupani, Syed Quadri, "Cardiorenal Disease in COVID-19 Patients", *Journal of the Renin-Angiotensin-Aldosterone System*, vol. 2022, Article ID 4640788, 6 pages, 2022.
- Faust B, Parkinson A, Baumrucker SJ. Pharmacology update: pamidronate for hypertrophic pulmonary osteoarthropathy in palliative care. *Therapeutic Advances in Rare Disease*. January 2022.
- Nguyen, J., & Joseph, D. (2022). Locally invasive classical papillary thyroid carcinoma with TSH receptor I568T mutation: case report, *Endocrinology, Diabetes & Metabolism Case Reports*, 2022, 21-0192.
- Harper, T., Adkins, C.F., and Rougier, G.W. 2022. Reconstructed masticatory biomechanics of *Peligrotherium tropicalis*, a non-therian mammal from the Paleocene of Argentina. *Acta Palaeontologica Polonica* 67 (1): 177–201.
- Shakir, R.G., Schmidt, N.M., Papazian, W.G. et al. 'Spin to Win' tips for healthy kidneys: a kid-friendly health education game. *J Nephrol* (2022).
- Schoenfeld, E.M., Westafer, L., Beck, S.A., Potee, B.G., Vysetty, S., Simon, C., Tozloski, J.M., Girardin, A.L. and Soares, W. (2022), "Just give them a choice": Patients' perspectives on starting medications for opioid use disorder in the ED. *Acad Emerg Med*. Accepted Author Manuscript.
- Blumkaitis, J.C., Moon, J.M., Ratliff, K.M. et al. Effects of an external pneumatic compression device vs static compression garment on peripheral circulation and markers of sports performance and recovery. *Eur J Appl Physiol* (2022). <https://doi.org/10.1007/s00421-022-04953-z>
- Ramana V. Vishnubhotla, Paul L. Wood, Ashutosh Verma, John E. Cebak, Sepideh Hariri, Mayur Mudigonda, Suresh Alankar, Raj Maturi, Hibiki Orui, Balachundhar Subramaniam, Dhanashri Palwale, Janelle Renschler, and Senthilkumar Sadhasivam. Advanced Meditation and Vegan Diet Increased Acylglycines and Reduced Lipids Associated with Improved Health: A Prospective Longitudinal Study. *Journal of Integrative and Complementary Medicine*. Published Online: 9 May 2022 <https://doi.org/10.1089/jicm.2022.0480>

News from the DeBusk College of Osteopathic Medicine

- Gromley, Z., Agwuncha, C., Nahar, V. and Gromley, A. (2022). The effectiveness of the metabolic map in promoting meaningful learning. *Journal of Osteopathic Medicine*. <https://doi.org/10.1515/jom-2021-0173>
- Meier C, Grove J, Gromley A, and Bowman, R. (January 23, 2022) A Case Report of the Ongoing Management and Comorbidities of Loin Pain Hematuria Syndrome with an Unusual Presentation. *Cureus* 14(1): e21531. doi:10.7759/cureus.21531
- Seronick, E., Son, J., Michael, C., Fogg, H., Gromley, Z., and Gromley, A. CRISPR/Cas9 genome editing system confirms centriolin's role in cytokinesis. *BMC Res Notes* 15, 8 (2022). <https://doi.org/10.1186/s13104-021-05898-w>.
- Spitnale, M. J., Mathews, C. G., Barnes, A. J., Thier, Z. T., & Jackson, J. B. (2022). Epidemiology of Lower Leg Soft Tissue Injuries in High School Athletes. *Foot & Ankle Orthopaedics*. <https://doi.org/10.1177/24730114211057886>
- Jackson JB, Thier ZT, Barfield ME, Altobello KC, Gonzalez TA. Opioid Usage after Hallux Valgus Correction Surgery. *Foot Ankle Orthop*. 2022;7(1):2473011421S00262. Published 2022 Jan 21. doi:10.1177/2473011421S00262 PMID 35097753
- Chelf, S., Davis, R.E., Bass, M. A., Ford, M. A., Firouzabadi, A. D., Leo, J.T. and Nahar, V.K. "Osteoporosis knowledge and health beliefs among middle-aged men and women in the Southern United States" *Journal of Osteopathic Medicine*, vol., no., 2022. <https://doi.org/10.1515/jom-2022-0011>
- Schoenfeld, E.M., Westafer, L., Beck, S.A., Potee, B.G., Vysetty, S., Simon, C., Tozloski, J.M., Girardin, A.L. and Soares, W. (2022), "Just give them a choice": Patients' perspectives on starting medications for opioid use disorder in the ED. *Acad Emerg Med*.
- Xu CP, Palazzolo DL, Cuadra GA. Mechanistic Effects of E-Liquids on Biofilm Formation and Growth of Oral Commensal Streptococcal Communities: Effect of Flavoring Agents. *Dentistry Journal*. 2022; 10(5):85. <https://doi.org/10.3390/dj10050085>
- Roberts A, Harris K, Outen B, Bukvic A, Smith B, Schultz A, Bergman S, Mondal D. Osteopathic Manipulative Medicine: A Brief Review of the Hands-On Treatment Approaches and Their Therapeutic Uses. *Medicines*. 2022; 9(5):33. <https://doi.org/10.3390/medicines9050033>
- Murad, H. Y., Chandra, P. K., Kelly, C. A., Khurana, N., Yu, H., Bortz, E. P., Hong, S. N., Mondal, D., & Khismatullin, D. B. (2022). Pre-Exposure to Stress-Inducing Agents Increase the Anticancer Efficacy of Focused Ultrasound against Aggressive Prostate Cancer Cells. *Antioxidants (Basel, Switzerland)*, 11(2), 341. <https://doi.org/10.3390/antiox11020341>
- Kolagatla S, Jenkins JK, Fatima Z, Chaudhary S, Moka N (2022). Composite lymphoma of the axillary lymph node comprising peripheral T-cell lymphoma-not otherwise specified and follicular B-cell lymphoma: A case report. *Journal of Case Reports and Images in Oncology*. Accepted/In Press; PMID: Pending

News from the DeBusk College of Osteopathic Medicine

- Young M, Gombolay G, Anderson M, Goldman-Yassen A, Thakral A, Dutt M, Wolf D. Neurosarcoidosis in children: A systemic review and summary of cases, imaging, and management. pending acceptance in Journal of Neuroimmunology
- Justin H. Nguyen, Kenneth M.P. Yee, Jeannie Nguyen-Cuu, Jonathan Mamou, J. Sebag,
- Vitrectomy Improves Contrast Sensitivity in Multifocal Pseudophakia with Vision Degrading Myodesopsia. American Journal of Ophthalmology, 2022. In Press Journal Pre-Proof
- James Richman, Hailey Grubbs, Christopher W. Robb. Utilization of Broad Band Light for Treatment of Cutaneous T-Cell Lymphomas. Lasers in Surgery and Medicine. March 2022; 54(S34): S34-S35.
- James Richman, Hailey Grubbs, Christopher W. Robb. Utilization of Broad Band Light for Treatment of Cutaneous T-Cell Lymphomas. Lasers in Surgery and Medicine. March 2022; 54(S34): S34-S35.
- Stultz, D. J., Pitch, R., Tuttle, C., Miller, S., Osburn, S., Shafer, C., & Burns, T. (2022). Pacemaker and Transcranial Magnetic Stimulation (TMS) use In H-1, Figure-8, and single-pulse coils: A letter to the editor. Brain Stimulation.
- Anderson, Erik S. MD; Fraimow-Wong, Leah BA; Blake, Rachel MS; Batiste, Kierra BS; Liang, Amy MD; DeFries, Triveni MD; Herring, Andrew A. MD; Alter, Harrison MD, MS The Social Context of Unhealthy Alcohol Use Among Emergency Department Patients, Journal of Addiction Medicine: January 11, 2022 - Volume - Issue - doi: 10.1097/ADM.0000000000000953
- Priyanka R. Dharampuriya and Susan Abend, MD FACP. "Roadmap for Creating Effective Communication Tools to Improve Health Equity for Persons with Intellectual and Developmental Disabilities." Frontiers in Health Services. Accepted for publication on May 9, 2022.
- Patel A, Patel N, Gandhi P, et al. STEALING MY CONSCIOUSNESS: SUBCLAVIAN STEAL PHENOMENON CAUSING RECURRENT SYNCOPE. J Am Coll Cardiol. 2022 Mar, 79 (9_Supplement) 2945. [https://doi.org/10.1016/S0735-1097\(22\)03936-5](https://doi.org/10.1016/S0735-1097(22)03936-5)
- Thier ZT, Drake-Levelle K, Prest PJ, Jones MA, Reeves JM, McClung-Smith CF, Goodwin TM, Villani N, Metz J, Jackson III JB. Progression of Intracranial Hemorrhage After Chemical Prophylaxis Using Low-Molecular-Weight-Heparin in Patients With Traumatic Brain Injury. American Surgeon. Vol. 88, Issue 5, p.894-900

Webinars/Videos/Workshops

- Darter, D. (2022, January 28). Introduction to Precepting – Preceptor Development Series [PowerPoint slides]. Lincoln Memorial University – Debusk School of Osteopathic Medicine. <https://youtu.be/fsLPdTXCbAM>
- Darter, D. (2022, February 25). How to Determine Your Student's Current Skills – Preceptor Development Series [PowerPoint slides]. Lincoln Memorial University – Debusk School of Osteopathic Medicine. <https://youtu.be/-WfNPQOoGRO>

Recent Submissions and Awards

Recent Grant Submissions:

Mrs. Robin Susong submitted a proposal to the Tennessee Highway Patrol High Visibility Grant.

Dr. Michael Center submitted a proposal to the United States Department of Agriculture, National Institute of Food and Agriculture.

Recent Grant Awards:

Six students received ACA Ledford Scholar Awards:

Nathan McBride and mentor Dr. LaRoy Brandt

Emily Boring and mentor Dr. LaRoy Brandt

Summer Hatmaker and mentor Dr. LaRoy Brandt

Tyler Mullens and mentor Dr. LaRoy Brandt

Sara Hopkins and mentor Dr. Dominic Palazzolo

Hannah Blevins and mentor Dr. Barbara Shock

Mr. Mark Walters received a grant from the United States Tennis Association.

Dr. Stacy Anderson received a grant from USDA National Institute of Food and Agriculture.



CONGRATULATIONS!

Contact information for grants:

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Melissa Miracle

Post Award Grants Manager
Grant Lee 108
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(423) 869-6834

Reminder from the LMU Institutional Review Board (IRB)

Please remember that all research proposals and projects involving human subjects, must have IRB approval **prior** to the presentation of any information gathered during the course of the research.

Under federal policy, the IRB cannot grant retroactive IRB approval.

All applications for external funding must first begin by contacting the ORGSP.

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. Thank you!

Institutional Animal and Care Use Committee (IACUC)

All research proposals and projects involving animals must have IACUC approval. Please have protocols submitted at least one week before the next scheduled meeting for committee review. Below is a schedule of upcoming IACUC meetings:

June 14, 2022
July 12, 2022
August 9, 2022
September 6, 2022
October 11, 2022