



UT TylerTM

THE UNIVERSITY OF TEXAS AT TYLER

A Celebration of Scholarship and Creativity

**ANNUAL REPORT OF
FACULTY SCHOLARSHIP**

September 2020 - August 2021

From the President

As an institution of higher education, we exist to educate, generate new knowledge and engage with the community. Our faculty and students continue to conduct research that significantly demonstrates that criteria, and the impact is regional, national and international.

Recently, The University of Texas at Tyler's R2 designation was affirmed by the Carnegie Classification of Institutions of Higher Education. This classification reflects the level of research activity celebrated in this publication.

In this issue, you will learn about current work in such areas as COVID-19, infectious lung disease, engineering, education, community health, business, liberal arts and biological sciences.

We celebrate not only the great work of these colleagues, but also the effect this research will have on the future.

Kirk A. Calhoun, MD, FACP
President



The Robert R. Muntz Library is delighted to be an active participant in acknowledging The University of Texas at Tyler faculty's scholarly and creative works. As primary knowledge supporters for our institution, Muntz Library staff are here to work with, and for, our faculty in any way we can to promote their academic endeavors. We have shown our respect and admiration for this in a most profound way for the past five years via the "A Celebration of Scholarship and Creativity" event. We confirm this by our constant interactions and support for faculty and students through our librarian liaisons, library public services, technical services, library systems and university archives. On behalf of all the Robert R. Muntz staff, I extend to you all a heartfelt congratulations on your scholarly and creative accomplishments for AY 20/21.

Becky McKay
Executive Director of Robert R. Muntz Library

This annual review is compiled to promote scholarship and document a record of the published and creative works of The University of Texas at Tyler faculty for academic year 2020-21. Information was compiled from Faculty180®, the University's platform for faculty activity reporting and the UT Health Science Center at Tyler.

College of Arts & Sciences

The College of Arts and Sciences takes pride in the scholarship of our excellent faculty. Even with the pandemic, this has been a productive year for them. The arts and sciences represent the intellectual heart and soul of any society. As such, the diversity of the contributions our faculty make to understanding and improving the world around us is important and inspiring. Our faculty and students work on projects ranging from new ways to save endangered species, to building virus-like particles for the treatment of cancer, to analyzing important works of literature, to understanding culture and the societies that develop them, to creating beautiful and meaningful works of art and musical performance, and more.

An example is Dr. Mandy Link's work focusing on how Irish remembrance of the first world war impacted the emerging Irish identity in the post-colonial Irish Free State. This work resulted in a respected book and an invitation to speak at the National World War I Museum Memorial in Washington, D.C. This was a rare honor and is indicative of Dr. Link's contribution to understanding the importance of history's effect on modern society.

Another example is Dr. Dustin Patterson's work on engineering soluble artificial epidermal growth factor receptor mimics capable of spontaneous *in vitro* dimerization. Epidermal growth factor receptor is a clinically validated target for a multitude of human cancers, and his work in this area contributes to a better understanding of cancer and potential paths to treatment.

The scholars in our college produce meaningful works of art that make important commentaries or tell stories of beauty, like the paintings of Professor Alexis Serio. Her recent solo exhibition "Time and Memory" at the prestigious Edgewater Gallery at the Falls featured several new works and paintings from Serio's Edgewater collection. Her compositions show layered shapes in rich tones that stretch out to suggest a vast imagined landscape.

The list of our faculty scholarly contributions is substantial. These examples show that they contribute across important areas of knowledge and creativity. The College of Arts and Sciences is at the crossroads of society, culture, and higher education. The faculty in the College of Arts and Sciences are extraordinary scholars, teachers, and mentors. Their student focus is evident in everything they do, including scholarly and creative work. The ability of our students to participate in research and then present or publish the results alongside their faculty mentor is important.

Dr. Neil Gray
Dean, College of Arts & Sciences

Art and Art History

CREATIVE PERFORMANCES

- Hughes, D. (2021). "Coppell Old Town Public Art" Outdoor Group Exhibition. In Coppell, Texas.
- Hughes, D. (2021, January). Group Exhibition, TSG Members Show. In Redbud Gallery, Houston, Texas.
- Hughes, D. (2021). "ISDAY" Group Outdoor Exhibition. In Museum of Biblical Art. Dallas, Texas.
- Hughes, D. (2021). "Kin" Four Person Exhibition. In NorthLight Gallery, Kemp Center for the Arts, Wichita Falls, Texas.

CREATIVE PRODUCTIONS

- Hughes, A. S. (2020, Autumn). The Wallace Stevens Journal, Special Issue Part 1: Stevens's Letters V44 #2 Fall 2020 (cover design). In Johns Hopkins University Press. Johns Hopkins University Press.
- Hughes, A. S. (2021, March). "Kin" (four-person exhibition). In Kemp Center for the Arts, Wichita Falls, Texas.
- Magnusen, K. L. (2020). The Worlds Within Exhibition. In Ann Dean Turk Fine Arts Gallery. Kilgore College.
- Magnusen, K. L. (2020-2021). We Meet in the Middle: Collaborative Projects in Visual Art and Songwriting Exhibition. In University Center. University of Texas -Tyler.
- Magnusen, K. L. (2021, April). The Art of Meditation: Drawings by Michael O'Hara Exhibition. In Lowman Student Center Gallery. Sam Houston State University.
- Simmons, D. L. (2020). Clearly Human IV (First 1st Place Nationally). In Saint Louis Artist Guild. Saint Louis Artist Guild. <https://www.stlouisartistsguild.org/clearly-human-iv>
- Simmons, D. L. (2021). Figure it Out. In 120ART. TAG120ART.
- Simmons, D. L. (2021). Selections from Evanescence Eidolon. In Kilgore College. Kilgore, Tx.
- Wright, M. (2021, July 22-October 16). Irene Rosenzweig 2021 Juried Biennial Exhibition. In The Arts & Science Center for Southeast Arkansas. Pine Bluff, Arkansas.

JOURNAL PUBLICATIONS

- Magnusen, K. L. (2020). "'Deviant' Women and Disabled Men: The Portrayal of Prostitutes, New Women and Wounded Veterans in Otto Dix's Großstadt (Metropolis)". *Culture in Focus*, 3(1), 44-61.



PRESENTATIONS

- Magnusen, K. L. (2020, March). "Virtual Art & Mediated Vision: 'Vandalizing' Jeff Koons's Augmented Reality Balloon Dog." In Midwest Art History Society Annual Conference. Midwest Art History Society.
- Magnusen, K. L. (2020, July). "Sport and Modernity: Images of Athletes and Sport in Early Twentieth Century Modern Art." In Guest Lecture, SPM 5374 Sport in a Social Context, Baylor University. Department of Educational Leadership, Baylor University.
- Magnusen, K. L. (2020, October). "Thinly Veiled Distinctions: Widows' Veils and Vanitas in Otto Dix's Images of 'Deviant' Weimar Women." In German Studies Association Conference. German Studies Association.
- Magnusen, K. L. (2020, November). "Augmented Reality Art and Questions of Seeing, Originality, and Access: The 'Graffiti Bombing' of Jeff Koons's AR Balloon Dog." In SECAC 2020 Conference. SECAC.
- Magnusen, K. L. (2021). "Sport and Modernity: Images of Athletes and Sport in Early Twentieth Century Modern Art." In Guest Lecture, SPM 5374 Sport in a Social Context, Baylor University. Department of Educational Leadership, Baylor University.
- Magnusen, K. L. (2021, May). "'If Your Life is Full, You Will Paint Full Pictures:' The Life and Art of Harvey Dunn." In Guest Lecture, ARS 1304 Art History II, Kilgore College. Kilgore College.
- Simmons, D. L. (2021, July). Visiting Lecturer, Texas A & M University-Commerce. In Summer Graduate Seminar, Commerce, TX. Texas A & M University-Commerce.

REVIEWS

- Lisot-Nelson, E. A. (2021). Review of *Sublime Truth and the Senses: Titian's "Poesie" for King Philip II of Spain*, by Marie Tanner. *Renaissance Quarterly*, 74(1), pgs. 251-253. <https://doi.org/10.1017/rqx.2020.337>

Biology

CHAPTERS

Ford, N. (2021). *Thamnophis Marcianus* Checkered Garter snake. In *Snakes of Arizona*.

JOURNAL PUBLICATIONS

- Azghani, A. O., & Florova, G. (2021). Precision targeting of the plasminogen activator inhibitor-1 mechanism increases efficacy of fibrinolytic therapy in empyema. *Physiological Reports*, 9(9), e14861. <https://doi.org/10.14814/phy2.14861>
- Davis, A. C., & Greenwold, M. J. (2021). Evolution of an epidermal differentiation complex (EDC) gene family in birds. *Genes*, 12(5), 767. <https://doi.org/10.3390/genes12050767>
- Ford, D., Plants-Paris, E., & Ford, N. (2020). Comparison of Louisiana Pigtoe (*Pleurobema riddellii*, Mollusca, Unionidae) growth at three different locations in the Neches River Basin of East Texas. *Hydrobiologica*, 847, 2021-2033. <https://doi.org/10.1007/s10750-020-04228-8>
- Ford, N., & Hinkle, E. (2020). Reproductive traits of the North American Cajun Dwarf Crayfish, (*Cambarellus shufeldtii*) from the Neches River National Wildlife Refuge. *Southwestern Naturalist*, 65(1), 56-60. <https://doi.org/10.1894/0038-4909-65.1.56>
- Matthews, A. E., Rowan, C., Stone, C., Kellner, K., & Seal, J. N. (2020). Development, characterization, and cross-amplification of polymorphic microsatellite markers for North American *Trachymyrmex* and *Mycetomoellerius* ants. *BMC Research Notes*, 13(1), 173. <https://doi.org/10.1186/s13104-020-05015-3>
- Matthews, A., Kellner, K., & Seal, J. N. (2021). Male-biased dispersal in a female dispersed fungus-gardening ant symbiosis. *Ecology and Evolution*, 11, 2307-2320. <https://doi.org/10.1002/ece3.7198>
- Parry, D. A. D. (2021). Structures of the β -Keratin Filaments and Keratin Intermediate Filaments in the Epidermal Appendages of Birds and Reptiles (Sauropsids). *Genes*, 12(4), 591. <https://doi.org/10.3390/genes12040591>
- Yu, R. (2020). Bio-accumulation of organic contaminants in Indo-Pacific humpback dolphins: Preliminary unique features of the brain and testes. *Environmental Pollution*, 267, 115511. <https://doi.org/10.1016/j.envpol.2020.115511>
- Yu, R. (2020). Microplastics in the endangered Indo-Pacific humpback dolphins (*Sousa chinensis*) from the Pearl River Estuary, China. *Environmental Pollution*, 270, 116057. <https://doi.org/10.1016/j.envpol.2020.116057>

POSTER PRESENTATIONS

- Bringhurst, B., & Seal, J. N. (2020, November). The effects of fungal garden switches on the bacterial microbiome of fungus-gardening ants (*Trachymyrmex* spp. and *Mycetomoellerius turrifex*). In Annual Meeting of the Entomological Society of America. Entomological Society of America.
- Joffrion, A., & Bill, B. R. (2020, November 6). Conditioned Place Preference in Zebrafish. In LSAMP 2020 Regional Conference (LSMRCE). LSAMP.
- Kellner, K., & Kwapich, C. (2020, November). Microbiomes of Harvester Ants -Do Ants use Biological Control to protect their Seed Deposits? In Annual Meeting of the Entomological Society of America.
- Rowan, C., & Kellner, K. (2020, November). Microbiome analysis of the fungus gardening ant *Trachymyrmex arizonensis*. In Annual Meeting of the Entomological Society of America.

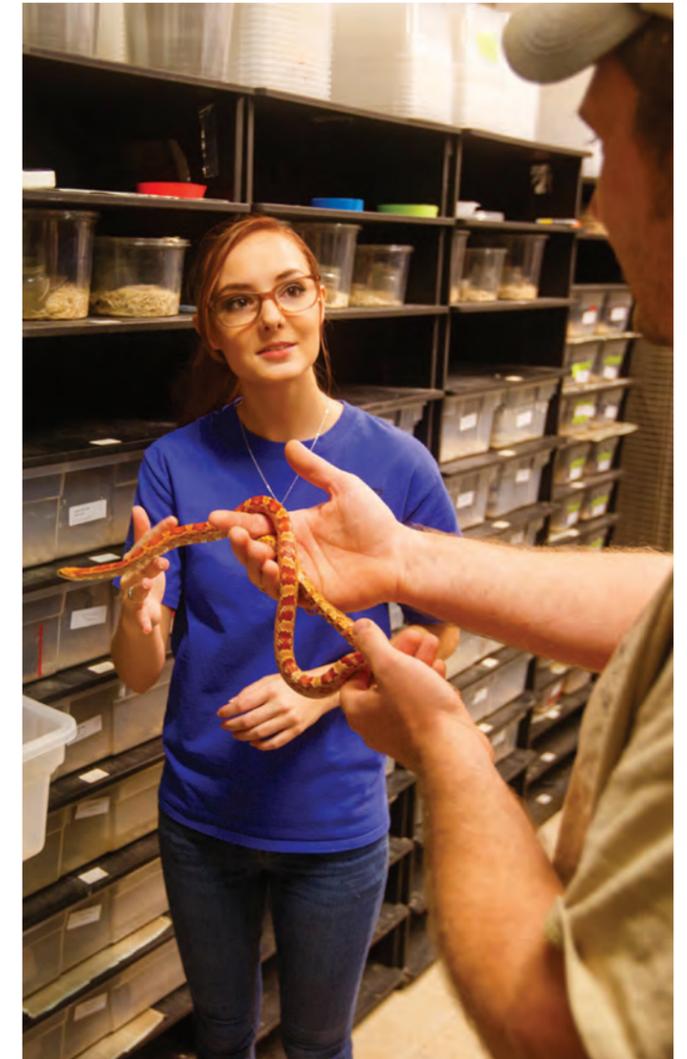
PRESENTATIONS

- Banta, J. A. (2020, June). Integrative ecological genetics reveals a threat posed by genetic swamping to an East Texas endemic wildflower (*Hibiscus dasyclyax*, Malvaceae). In Invited seminar at Bowie State University. Department of Natural Sciences, Bowie State University.
- Beigel, K., & Seal, J. N. (2020, November). Genome-wide single-nucleotide polymorphisms (SNPs) suggest patterns of codivergence between fungus-growing ants (Tribe Attini) and their fungal cultivars. In Annual Meeting of the Entomological Society of America. Entomological Society of America.
- Beigel, K., Alix, M., Kellner, K., Pawlik, C., Greenwold, M. J., & Seal, J. N. (2021, June). A cophylogenetic analysis of specificity between fungus-gardening ants and their symbiotic fungi. In Virtual Evolution Meeting 2021. Society for the Study of Evolution.
- Beigel, K., Matthews, A., Kellner, K., Pawlik, C., Greenwold, M. J., & Seal, J. N. (2021, June). Cophylogenetic analyses of *Trachymyrmex* ant-fungal specificity: One to one with some exceptions. In Evolution 2021. joint annual meeting of the American Society of Naturalists, the Society for the Study of Evolution, and the Society of Systematic Biologists.
- Chan, C. (2020, June). A Module Swapping Approach to Engineer Allosterically Regulated Transcriptional Regulators. In ASBMB Annual Meeting 2020 (webinar). American Society for Biochemistry and Molecular Biology.

- Fancher, S. C. (2020, Autumn). Utilization of Virus-like Particles to Determine the Mechanism of *Pseudomonas aeruginosa* Elastase-Induced Inflammation in Cystic Fibrosis Lungs. In American Society for Microbiology, Texas Branch. ASM.
- Fancher, S. C. (2021, February). Combating cachexia using nanocarrier-facilitated targeted drug delivery. In Annual Meeting of the Texas Academy of Science.
- Sain, M. P., Norrell-Tober, J., Barthel, K., Hertweck, K., Seawright, M., Blanton, A., Placyk, J. S., Small, R., Williams, L. R., Williams, M., & Banta, J. A. (2020, Summer). Multiple complementary studies clarify which co-occurring congener presents the greatest hybridization threat to a rare Texas endemic wildflower. In Texas Plant Conservation Conference. Botanical Research Institute of Texas.

GRANTS

- Azghani, A. Delivery of PAI-1-targeted intrapleural fibrinolytic therapy for empyema, National Institutes of Health (April 1, 2021), USD \$160,571.
- Banta, J. Human Ancestral Algorithm For ADNTRO Genetics SL, ADNTRO (July 1, 2021), USD \$4,095.
- Powell, C. Forest Pest Survey, USDA (June 15, 2021), USD \$22,328.
- Williams, L. Ecolab: Studies of Texas Salamanders and Snake Fungal Disease, Ecolab (January 1, 2021), USD \$12,806.



Chemistry and Biochemistry

JOURNAL PUBLICATIONS

- Beaver, J. W., Miller, K. V., Medina-Plaza, C., Dokoozlian, N., Ponangi, R., Blair, T., Block, D., & Oberholster, A. (2020). The Effects of Temperature and Ethanol on Proanthocyanidin Adsorption to Grape Cell Wall Material in the Presence of Anthocyanins. *Molecules*, 25(4139), Article 4139. <https://doi.org/10.3390/molecules25184139>
- Chavez, J., Ceresa, L., Kitchner, E., Kimball, J., Shtoyko, T., Fudala, R., Borejdo, J., Gryczynski, Z., & Gryczynski, I. (2020). On the possibility of direct triplet state excitation of indole. *Journal of Photochemistry & Photobiology, B: Biology*, 208, 111897. <https://doi.org/10.1016/j.jphotobiol.2020.111897>
- Sunderhaus, A., Imran, R., Goudelock, A., Nassar, M., Cooper, K., Patterson, D., & Abdelaziz, M. (2021). Engineering soluble artificial epidermal growth factor receptor mimics capable of spontaneous in vitro dimerization. *Biotechnology and Bioengineering*, 118(4), 1466-1475. <https://doi.org/10.1002/bit.27659>
- Titus, B., Lerno, L., Beaver, J. W., Heymann, H., Byrnes, N., & Oberholster, A. (2021). Impact of Dry Hopping on Beer Flavor Stability. *Foods*, 10(6), 1264. <https://doi.org/10.3390/foods10061264>

POSTER PRESENTATIONS

- Tucker, Z. L., Boyd, L. E., & Smee, J. J. (2021, April). UT Tyler ACS Student Chapter. In American Chemical Society National Meeting. American Chemical Society.

GRANTS

- Mason, R. Joint Admission Medical Program FY2021, Joint Admission Medical Program Council (September 1, 2020), USD \$12,651.
- Smee, J. e8Q Technologies: Synthesis and Characterization of a Monomer and Polymer, e8Q Technologies, LLC (November 13, 2020), USD \$4,000.

Communication

CHAPTERS

- Reynolds, B., Day, A., & Seeger, M. (2020). Crisis and emergency risk communication (CERC): The beginnings, advancements and extant research, and the future. In *Crisis communication: Handbooks of communication science* (vol. 23). Mouton de Gruyter.

JOURNAL PUBLICATIONS

- Day, A., O'Shay-Wallace, S., Seeger, M., & McElmurry, S. (2020). Gender and Presence of Children: Examining Media Uses, Informational Needs, and Source Preferences during the Flint, Michigan Water Crisis. *Journal of International Crisis and Risk Communication Research*, 3(2), 141-178. <https://doi.org/10.30658/jicrcr.3.2.2>
- O'Shay, S., Day, A. M., Islam, K., McElmurry, S. P., & Seeger, M. W. (2022). Boil Water Advisories as Risk Communication: Consistency between CDC Guidelines and Local News Media Articles. *Health communication*, 37(2), 152-162. <https://doi.org/10.1080/10410236.2020.1827540>
- Sopory, P., Novak, J. M., Day, A. M., Eckert, S., Wilkins, L., Padgett, D. R., Noyes, J. P., Allen, T., Alexander, N., Vanderford, M. L., & Gamhewage, G. M. (2021). Trust and Public Health Emergency Events: A Mixed-Methods Systematic Review. *Disaster medicine and public health preparedness*, 1-21. <https://doi.org/10.1017/dmp.2021.105>

PRESENTATIONS

- Cali, D. (2020). Terms of our Times: Intensities of Consciousness in a Media-Saturated Environment. In Media Ecology Association annual convention. Media Ecology Association.
- Day, A., & Volkman, J. (2020, June). Vaccine communication: Risk perception and information seeking. In Society of Behavioral Medicine's Health Decision Making Special Interest Group. Society of Behavioral Medicine.
- Day, A. (2020, October). Flint, Michigan water crisis, empirical research, and crisis communication. In The Department of Communication at the University of Central Florida, doctoral seminar on Crisis Communication. The University of Central Florida.
- Day, A., & Volkman, J. (2020, December). Vaccine communication: Risk perception and information seeking. In University of Massachusetts Boston's College of Nursing and Health Sciences' Research Seminar Series. University of Massachusetts Boston.

- Day, A., & Marsh, J. (2021, March). "I needed her and she needed me": Understanding children-in-law and parents-in-law relationships through the Health Belief Model. In Central States Communication Association Conference. Central States Communication Association.
- Day, A., Sellnow, D., Mitra, R., Lachlan, K., & Meluch, A. (2021, March). Inspiring work with affected populations: Addressing the need to include impacted populations in our research. In Central States Communication Association Conference. Central States Communication Association.
- Day, A., & Volkman, J. (2021, Summer). Vaccine communication: Risk perception and information seeking. In Society of Behavioral Medicine's Health Decision Making Special Interest Group. Society of Behavioral Medicines.



Literature and Languages

BOOKS

- Bock, G. L., & Lewis, C. D. (Eds.). (2020). *The Ethics of Anger*. Lexington Press.
- Bock, G. L., & Lewis, C. D. (Eds.). (2020). *Righteous Indignation: Christian Philosophical and Theological Perspectives on Anger*. Fortress Press.

CHAPTERS

- Bock, G. L. (2020). Anger in an Ethics of Love. In *Righteous Indignation: Christian Philosophical and Theological Perspectives on Anger*. Fortress Press.
- Bock, G. L. (2020). Understanding Joseph Butler's Sermons on Anger and Forgiveness. In *The Ethics of Anger* (pp. 103-114). Lexington Press.
- Bock, G. L., & Lewis, C. D. (2020). Avoiding the Dark Side: Anger and Hate Represented in Popular Culture. In *The Ethics of Anger* (pp. 251-264). Lexington Press.
- Kelly, M. (2021). This Isn't Supposed to Be Fun: Using Game-Based Writing Projects as a Form of Pragmatic Ethical Inquiry in the Composition Classroom. In *The Ethics of Playing, Researching, and Teaching Games in the Writing Classroom* (pp. 143-157). Palgrave. https://link.springer.com/chapter/10.1007/978-3-030-63311-0_9
- Paquet, P.-L., & Woll, N. (2021). Debunking student teachers' beliefs regarding the target-language-only rule. In *Multilingualism and third language acquisition: Learning and teaching trends* (pp. 95-116). Language Science Press.
- Wu, H. (2020). From Oratory to Writing: An Overview of Chinese Classical Rhetoric (500 BCE-220 CE). In *Routledge Handbook of Comparative World Rhetorics*. Routledge. Pgs. 86-95.
- Wu, H. (2020). Reinventing Yin-Yang to Teach Rhetoric to Women. In *Reinventing Rhetoric Scholarship: 50 Years of Rhetoric Society of America* (pp. 186-194). Parlor Press.
- Wu, H., & Standridge, E. (2021). Renewing Feminist Perspectives on Women WPAs' Service and Leadership. In *Women's Way of Making* (pp. 203-220). University of Colorado Press.

JOURNAL PUBLICATIONS

- Kelly, M. (2021). Designing Game-Based Writing Projects to Foster Critical Ethical Reasoning in the English Classroom: A Case Study Using *Plague Inc: Evolved*. *Simulation and Gaming*, 52(2), 153-168. <https://doi.org/10.1177/1046878120953592>
- Kelly, M. (2021). Writing for Players: Using Video Game

Documentation to Explore the Role of Audience Agency in Technical Writing. *Prompt: A Journal of Academic Writing Assignments*, 5(2), Article 2. <https://doi.org/10.31719/pjaw.v5i2.60>

- Ross, C. E. (2021). "A copious and splendid command of language and an ear tuned to the 'noiseless music of the spheres.' Elite Education in the Romantic Period and Its Modern Uses in Teaching and Scholarship." *Romantic Circles, Teach (the) Romantic/Romantic Teaching*. 1(1). <https://romantic-circles.org/pedagogies/commons/teachtheromantic/pedagogies.commons.2021.teachtheromantic.ross.html>

OTHER

- Bock, G. L. (2020). Guns and Peace Building. *God and Guns in America Symposium*. <https://syndicate.network/symposia/philosophy/god-and-guns-in-america/>
- Ross, C. E. (2021). Where do we go from here? The University of Texas System Academy of Distinguished Teachers Virtual Conference on Teaching in Texas. The University of Texas System.
- Wu, H. (2021). An Annotated Bibliography of Global and Non-Western: Sources for Comparative Rhetorical Studies. *Present Tense: A Journal of Rhetoric in Society*.

PRESENTATIONS

- Bock, G. L. (2021, February). Weight-Cycling, Apprehensive Perception, and the Body You Might Have, a response to Michael L. J. Greer. In Central Division Meeting of the American Philosophical Association.
- Bock, G. L., & Cook, J. (2021, February). The Hope of Forgiveness in a Time of Crisis. In Central Division Meeting of the American Philosophical Association.
- Bock, G. L. (2021, February). Weight-Cycling, Apprehensive Perception, and the Body You Might Have, a response to Michael L. J. Greer. In Central Division Meeting of the American Philosophical Association.
- Jessop, A. K. (2020, October 17). "Gertrude Stein in Spain". In "Robert Graves 125: An International Online Conference". Robert Graves Society.
- Jessop, A. K. (2021, April). "Modernist Revisionist Mythmaking: A Lilithian Poetics". In "Reclaiming Women's Voices from History and Myth to Confront

the Present Moment," *American Comparative Literature Association (ACLA)*. ACLA.

- Paquet, P.-L., & Woll, N. (2020, November). Plurilingual practice in foreign language classrooms: ¿Cuándo? ¿Para qué? ¿Cómo? In *Congreso Internacional Virtual de Investigación en la Enseñanza - Aprendizaje de Lenguas y Cultura*.
- Paquet, P.-L., & Woll, N. (2021, March). A crosslinguistic approach to teaching initial-stage learners of French and Spanish as an additional language. In *American Association of Applied Linguistics Conference*.
- Paquet, P.-L., Woll, N., & Wouters, I. (2021, March). Modelling translanguaging instruction through a crosslinguistic-communicative task sequence: A developmental study. In *American Association of Applied Linguistics Conference*.
- Paquet, P.-L., Wouters, I., Gendron-Perrault, N., & Woll, N. (2021, April). Modèle d'enseignement translinguistique-communicatif: un outil pédagogique concret. In *Canadian Centre for Studies and Research on Bilingualism and Language Planning Conference*.
- Ross, C. E. (2021, April 7-9). Dialogues I: Assessing the Culture of Teaching and Learning. In *University of Texas System Academy of Distinguished Teachers Virtual Conference on Teaching in Texas*. The University of Texas System.
- Ross, C. E., Shipman, B., Davis, P., & McNaughton-Cassill, M. (2021, April 7-9). Dialogues I: Compassionate Connections and Change through Quality Learning, Technology, Self-Care. In *Where Do We Go from Here, The University of Texas System Academy of Distinguished Teachers Virtual Conference on Teaching in Texas*. The University of Texas System.
- Rowntree, M., & Shelton, S. (2021, April). "We are all writing teachers: Returning to the Common Place" In *Conference on College Composition and Communication*. College Composition and Communication.
- Strong, D. (2021, April). Man or Servant: A Phenomenological Analysis of Othello. In *Shakespeare Association of America Conference*. Shakespeare Association of America.
- Wu, H. (2020, October). A Woman Teacher of Rhetoric in Ancient China and Her Impact on Modern Gender Perceptions. In *Invited speech, Center for Democratic Deliberation, Penn State University*. Penn State University.
- Wu, H., Kelly, M., & Propper, T. (2021, January 7-10). Reshaping the Curriculum to Improve the Career

Prospects of the English Major. In *Innovation Room by the Chairs Association*. Modern Language Association of America.

- Wu, H. (2021, April). A Rhetorical Reading of Chinese Women Teachers. In *Conference on College Composition and Communication*.

GRANTS

- Bock, G. Open Educational Resources (OER) Course Development and Implementation Grant Program: PHIL 2306: Introduction to Ethics, Texas Higher Education Coordinating Board (July 15, 2021), USD \$5,000.
- Strong, D. Open Educational Resources (OER) Course Development and Implementation Grant Program: ENGL 2322.01, English Literature to the 1780's, Texas Higher Education Coordinating Board (March 1, 2021), USD \$5,000.





Mathematics

JOURNAL PUBLICATIONS

- Archer, K., Bishop, A., Diaz-Lopez, A., García Puente, L., Glass, D., & Louwsma, J. (2020). Arithmetical structures on bidents. *Discrete Mathematics*, 343(7), 111850. <https://doi.org/10.1016/j.disc.2020.111850>
- Archer, K., Darby, R., Lauderdale, L., Linson, A., Maxfield, M., Schmidt, C., & Tran, P. (2020). Vertex-minimal planar graphs with cyclic 2-group symmetry. *Journal of Algebraic Combinatorics*, 54(1), 1-15. <https://doi.org/10.1007/s10801-020-00964-1>
- Archer, K., Gessel, I., Graves, C., & Liang, X. (2020). Counting acyclic and strong digraphs by descents. *Discrete Applied Mathematics*, 343(11), Article 11. <https://doi.org/10.1016/j.disc.2020.112041>
- Bearden, A., & Crann, J. (2021). Amenable dynamical systems over locally compact groups. *Ergodic Theory and Dynamical Systems*, 1-41. <https://doi.org/10.1017/etds.2021.57>
- Bearden, A., & Crann, J. (2021). A weak expectation property for operator modules, injectivity and amenable actions. *International Journal of Mathematics*, 32(2), 33. <https://doi.org/10.1142/S0129167X21500051>
- Dawsey, M. L., & McCarthy, D. (2021). Generalized Paley graphs and their complete subgraphs of orders three and four. *Research in the Mathematical Sciences*, 8(18), Article 18. <https://doi.org/10.1007/s40687-021-00254-7>
- Dawsey, M.L., Ono, K. & Wagner, I. Fields generated by characters of finite linear groups. *Arch. Math.* 116, 487-500 (2021). <https://doi.org/10.1007/s00013-021-01592-2>
- Lukyanenko, A., & Vandehey, J. (2020). Intrinsic Diophantine approximation in Carnot groups and in the Siegel model of the Heisenberg group. *Monatshefte Für Mathematik*, 192(3), 651-676. <https://doi.org/10.1007/s00605-020-01406-7>
- Vandehey, J. (2020). A Proof of the Infinitude of Primes Via Continued Fractions. *Integers*, 20, A19. <http://math.colgate.edu/~integers/u19/u19.pdf>

PRESENTATIONS

- Anders, K. (2021). A Mathematical Smorgasbord Featuring the Stern Sequence. In Invited plenary talk at Mathematical Association of America Texas Section Meeting.
- Archer, K., & Graves, C. (2020, Autumn). Pattern-restricted permutations composed of only 3-cycles. In Texas A&M Combinatorics and Algebra Seminar.
- Bearden, A. (2020, Autumn). Amenable dynamical



- systems over locally compact groups. In Brazos Analysis Seminar. Texas A&M University.
- Bearden, C. A. (2020, November). Amenable dynamical systems over locally compact groups. In Web-seminar of Operator Algebras. Universidade Federal de Santa Catarina, Brazil.
- Dawsey, M. L. (2020, Autumn). Adding and Counting: How Hard Can It Be? In Women in Math and Science Research Seminar. Women in Math and Science (WIMS) at the University of Texas at Tyler.
- Dawsey, M. L. (2020, Autumn). Modular forms, hypergeometric functions, and Ramsey numbers. In AMS Sectional Meeting, Pennsylvania State University, PA; Special Session on “q-Series and Related Areas in Combinatorics and Number Theory.”
- Dawsey, M. L. (2020, Autumn). Moonshine and its variants. In University of North Texas Algebra Seminar. UNT Mathematics Department.
- Vandehey, J. A. (2021, May). Solved and unsolved problems in normal numbers. In One World Numeration Seminar.

Music

CREATIVE PERFORMANCES

- Gullings, K. (2020, December). Performance of Kyle Gullings' original composition "My Beloved Is Mine" by soprano Rachel Evangeline Barham. Epiphany Tuesday Concerts at Home Series. Washington, D.C.: The Church of the Epiphany.
- Gullings, K. (2021, March). Performance of Kyle Gullings' original composition "the flow of how things will go" by Dr. Sarah Roberts (alto saxophone) and interactive electronics. North American Saxophone Alliance Region IV Conference (Virtual).
- McBain, J. (2020, November 7). Symphony no. 5, Overture to Egmont, Triple Concerto by Beethoven. In Masterworks I Concert. Texarkana Symphony Orchestra.
- McBain, J. (2020, December 13). Music of John Williams, Featured Soloist "Born on the Fourth of July" In Pops Concert. Texarkana Symphony Orchestra.
- McBain, J. (2020, December 13). Holiday Pops. In Holiday Pops Concert. Texarkana Symphony Orchestra.
- McBain, J. (2021, February 13). Siegfried Idyll by Ricard Wagner. In Masterworks II Concert. Texarkana Symphony Orchestra.
- McBain, J. (2021, March 6). Concerto for Two Pianos by Francis Poulenc, Behold the Bold Umbrellaphant by Lucas Richman. In Family Concert. Texarkana Symphony Orchestra.
- McBain, J. (2021, April 17). Pictures at an Exhibition by Modest Mussourgsky, Piano Concerto No. 2 Sergei Rachmaninoff, Chopiniana by Alexander Glazunov. In Masterworks III Concert. Texarkana Symphony Orchestra.

OTHER

- Roberts, S. (2020). Adjudicator for the 2020-21 TMEA/TJEA Invited Middle School Jazz Ensemble.

PRESENTATIONS

- Gotham, M., Gullings, K., Hamm, C., Hughes, B., Jarvis, B.E., Peterson, J., Lavengood, M.L. (2020, November). Panel: Using Open Educational Resources for Inclusive, Flexible, and Innovative Music Theory Pedagogy. Society for Music Theory Annual Meeting. Virtual.
- Gullings, K. (2021 March). Lightning Talk: A Brief Introduction to OpenMusicTheory.com Version 2. College Music Society South Central Regional Conference. Virtual. <https://scholarworks.uttyler.edu/cms-sc-2021/conference/lightning-talks/2/>

- McBain, J. (2020, September). TMEA/ATSSB All-State Jazz Trumpet. In All-State Instrumental Jazz Workshops.
- McBain, J. (2021, March 26). The Role of the Cornet à Pistons in the Early Symphonic Works of Hector Berlioz. In CMS South Central Chapter Conference Lecture Recital. College Music Society.
- Roberts, S. (2020). The Improvisational Expressway. In Region 7 Fine Arts Festival. Region 7.
- Roberts, S. (2020, Autumn). Masterclass with the Jazz Students. In Virtual Jazz Clinic. Virginia Tech Jazz Ensemble.
- Roberts, S., & Bell, M. (2020). Jack-in-the-Box: A Mnemonic Approach to Jazz Style. In 2020 Iowa Bandmasters Association Convention. Iowa Bandmasters Association.



Political Science and History

CHAPTERS

- LeBlanc, J. R., & Simmons, W. P. (2021). "Terror, Nihilism, and Joy: Reconsidering Camus' Confrontation with Political Violence" In *Welcoming the Other: Student, Stranger, Divine*, edited by N. Susan Laehn and Thomas R. Laehn. Lexington Books.
- McWhorter, R. R., Owens, M., Rueter, J., Neel, J. L., & Doepker, G. M. (2021). Examining the Adult Learning in "Giving Back" Initiatives. In *Research Anthology on Adult Education and the Development of Lifelong Learners*. (Reprinted from *Handbook of Research on Adult Learning in Higher Education*, pp. 473-500). (pp. 1039-1066). IGI Global.
- Wahlrab, A., & Otis, R. A. (2020). Global Mobilization in the Name of Islam: the Global Imaginary of Political Islam. In *Challenges of Globalization and Prospects for an Inter-civilizational World Order* (pp. 955-968). Springer. https://link-springer-com.ezproxy.uttyler.edu/chapter/10.1007/978-3-030-44058-9_50
- Wahlrab, A. (2020). Global Studies. In *Oxford Research Encyclopedia of International Studies* (pp. 1-29). Oxford University Press.

JOURNAL PUBLICATIONS

- Howard, N., & Owens, M. (2020). Circumventing Committees: Use of Rule XIV in the U.S. Senate. *Legislative Studies Quarterly*, 45(3), 495-526. <https://doi.org/10.1111/lisq.12269>
- Owens, M., & Johnson, R. M. (2020). Emergency Response, Public Behavior, and the Effectiveness of Texas Counties in a Pandemic. *Journal of Political Institutions and Political Economy*, 1(4), 615-630. <http://dx.doi.org/10.1561/113.00000024>

OTHER

- Linehan, M., & Swaby, A. (2020). "George Floyd killing energizes a new generation in fight against racism in East Texas" *Texas Tribune*.

OTHER TEACHING MATERIALS

- Bryant Jr., K. (2020). OneLanguage Resource Guide. In UT Tyler Athletics Department.

POSTER PRESENTATIONS

- Howard, N. O., & Owens, M. (2020, September). Amendment Effectiveness in Congress. In APSA Annual Meeting. American Political Science Association.

- Paul, G., & Owens, M. (2020, June). ¡Qué opinión tienes!: Diverse Talents of Students at a Texas University. In AAPOR Annual Meeting. American Association of Public Opinion Researchers.

PRESENTATIONS

- Bryant Jr., K., & Masthay, T. J. (2021, April). Issue Ownership Revisited: Public Opinion, Partisanship, and Sex Crimes. In Midwest Political Science Association Conference.
- Link, M. (2020, October). No Man's Land Endures: The Pursuit for Irish Independence in the Aftermath of World War I. In Southeast World History Association Conference. Arkansas Technical University.
- Link, M. (2020, November). Ireland and the Complexities of World War I. In National World War I Museum and Memorial. National World War I Museum and Memorial, Kansas City, MO.
- Link, M. (2021, March). Gendered Memory: Irish Women and Remembering the First World War. In World History Association of Texas Conference. Texas A&M Commerce.
- Mwanzia Koster, M. (2021, February). The Power of the Oath and Implications Beyond: Challenges and Opportunities. In Author's Spotlight Series. The West African Transitional Justice Centre.
- Snider, C. (2021, February). "The Imposition of Progress": Commodifying the Space Race in Brazil. In World History Association of Texas Annual Conference.
- Snider, C. (2021, April). "Everything Is Decided from Above": Student Movements, the University of Brasília, and the Construction of National Politics, 1962-1985. In *Tales of Three Cities: Rio de Janeiro, Brasília, Salvador—A Texas Brazilianist Symposium*. University of Texas at Austin Teresa Lozano Long Institute of Latin American Studies.
- Snider, C. (2021, April). From Humanism to Human Resources: Brazilian Empresarios and Educational Reform in Brazil, 1961-1968. In Southeast Council on Latin American Studies Annual Conference.
- Sterken Jr., R. E. (2021, April). Protecting Religion: Religion, Politics, and the State in Myanmar. In 78 Midwest Political Science Association Annual Meeting. Midwest Political Science Association.

Political Science and History (Continued)

REVIEWS

- Link, M. (2020). Ireland and the Great War: A social and political history. By Niamh Gallagher. Pp 258. London: Bloomsbury Academic. 2020. £85. Irish Historical Studies, 44(166), 399-400. <https://doi.org/10.1017/ihs.2020.58>.
- Wahlrab, A. (2021). Review Of: Routledge Handbook of Transformative Global Studies. Journal of World-Systems Research, 27(1), 337-340. <https://doi.org/10.5195/jwsr.2021.1055>

GRANTS

- Owens, M. CEL Grant: Committees as a Venue for Effectiveness, The University of Virginia (October 12, 2020), USD \$2,300.



Social Sciences

CHAPTERS

- Helfers, R. C. (2020). De-policing. In Criminal Justice in America: The Encyclopedia of Crime, Law Enforcement, Courts, and Corrections. In J. Baumgarner & C. Lewandowski (pp. 148-149). ABC-CLIO.
- Helfers, R. C. (2020). Problem-Oriented Policing. In Criminal Justice in America: The Encyclopedia of Crime, Law Enforcement, Courts, and Corrections. In J. Baumgarner & C. Lewandowski (pp. 512-515). ABC-CLIO.

JOURNAL PUBLICATIONS

- Castaneda, M. A., & Saygili, M. (2020). The Effect of Shelter-in-Place Orders on Social Distancing and the Spread of the COVID-19 Pandemic: A Study of Texas. *Frontiers in Public Health*, 8. <https://www.frontiersin.org/articles/10.3389/fpubh.2020.596607/full>
- Castaneda, M. A., & Saygili, M. (2021). The Effects of Health Insurance on the Choice of Medical Procedures: Evidence from Heart Attacks and Childbirths. *International Journal of Health Planning and Management*, 36(5), 1626-1652. <https://doi.org/10.1002/hpm.3248>
- Dardati, E., & Saygili, M. (2020). Aggregate impacts of cap-and-trade programs with heterogenous firms. *Energy Economics*, 92, 104924. <https://doi.org/10.1016/j.eneco.2020.104924>
- Dardati, E., & Saygili, M. (2021). Are Exporters Cleaner? Another Look at the Trade-Environment Nexus. *Energy Economics*, 95. <https://doi.org/10.1016/j.eneco.2021.105097>
- Fikru, M., & Gautier, L. (2020). Cross-country Emission Tax Effect of Mergers. *Arthaniti: Journal of Economic Theory and Practice*. <https://doi.org/10.1177/0976747920958094>
- Gautier, L. (2021). The role of nonzero conjectural variation in pollution abatement and output in the design of emission taxes. *Environment and Development Economics*, 1-24. <https://www.doi.org/10.1017/S1355770X21000127>
- Gautier, L., & Fikru, M. (2021). Electric Utility Mergers in the Presence of Distributed Renewable Energy. *Energy Economics*. <https://doi.org/10.1016/j.eneco.2021.105436>
- Helfers, R. C., Reynolds, P. D., & Maskaly, J. (2020). Prior discipline and performance among police officers: Does organizational fairness matter? *Criminology, Criminal Justice, Law & Society*, 21(3), 1-16. <https://ccjls.scholasticahq.com/article/18152-prior-discipline-and-performance-among-police-officers-does-organizational-fairness-matter>

- discipline-and-performance-among-police-officers-does-organizational-fairness-matter
- Helfers, R. C., Reynolds, P. D., & Scott, D. M. (2020). Being a Blue Blood: A phenomenological study on the lived experiences of police officer's children. *Police Quarterly*, 24(2), 233-261. <https://doi.org/10.1177%2F109861120964954>
- Klein, J. L., Bailey, D. J. S., & Tolson, D. Moral Panics and the Community Attitudes Toward Sex Offenders (CATSO) Scale: Does the Perpetual Panic Over Sex Offenders Predict Participant Attitudes Toward This Group? *Criminology, Criminal Justice, Law & Society* 21 (3): 69-86. <https://ccjls.scholasticahq.com/article/18151-moral-panics-and-the-community-attitudes-toward-sex-offenders-catso-scale-does-the-perpetual-panic-over-sex-offenders-predict-participant-attitudes>
- Reynolds, P. D., Helfers, R. C., & Upshaw, J. J. (2021). Victimization perceived organizational support, and perceived danger among police officers. *Journal of Theoretical and Philosophical Criminology*, 13(1), 11-28. <http://www.jtprcrim.org/FEB2021/Paul.pdf>
- Scott, D. M. (2020). The revelation of Domestic Minor Sex Trafficking (DMST) victims in middle schools: Why officers and educators need to examine this epidemic effecting middle school aged victims. *ACJS Today*, 46(3), 16-21. https://cdn.ymaws.com/www.acjs.org/resource/resmgr/acjstoday/as_of_05_28_20_acjs_today_ma.pdf
- Smith, R., Helfers, R. C., & Reynolds, P. D. (2021). Anti-police sentiment and police victimisation in the UK. *Policing: A Journal of Policy and Practice*, Online First, 1-12. <https://doi.org/10.1093/police/paab045>

OTHER

- Scott, D. M. (2020). Public morality. *Criminal Justice in America: The Encyclopedia of Crime, Law Enforcement, Courts, and Corrections*.

PRESENTATIONS

- Bailey, D. J. S. (2020, October). Using a Negotiated Syllabus to increase Student Engagement and Learning in a Graduate Research Methods course. In Texas Association of Criminal Justice Educators Conference.
- Bailey, D. J. S. (2020, November). "I'm not unemployed, I'm unemployable." In American Society of Criminology Annual Meeting.

- Bailey, D. J. S., & Klein, J. L. (2020, November). Challenges and Solutions for Collecting Autoethnographic Video Diary Data. In Criminology Consortium Annual Meeting.
- Gautier, L., & Fikru, M. (2020, October). Electric Utility Mergers in the Presence of Distributed Renewable Energy. In Missouri Valley Economic Association Conference. Missouri Valley Economic Association.
- Gautier, L. (2021, March). My experience as a researcher: Thoughts from an economist in academia. In Fulbright Wednesday Workshops. Fulbright and University of Málaga.
- Gautier, L. (2021, May). Workshop: Writing Skill I. In Fulbright Wednesday Workshops. Fulbright and University of Málaga.
- McKillop, H., Jones, J., & Sills, E. C. (2021, Spring). Multiple proxy evidence for ancient coastal landscape and salt production in Punta Ycacos Lagoon, Belize. In 1st Encuentro Académico sobre Modo de Vida Lacustre, Mexico City, Mexico. Universidad Nacional Autonoma de Mexico.
- Reynolds, P. D., Helfers, R. C., & Upshaw, J. (2020, Autumn). The Moderating Effects of Perceived Organizational Support on Prior Victimization and Perceived Danger Among Police Officers. In 2020 Texas Association of Criminal Justice Educators Conference. Texas Association of Criminal Justice Educators.
- Saygili, M., & Dardati, E. (2020, June 3-5). Foreign Production and the Environment: Does the Type of FDI Matter? In Association of Environmental and Resource Economist (AERE) 2020 Virtual Conference.
- Saygili, M., & Dardati, E. (2020, November 21-23). Foreign Production and the Environment: Does the Type of FDI Matter? In Southern Economic Association 90th Annual Meeting. Southern Economic Association.

REVIEWS

- Scott, D. M. (Ed.). (2020). [Review of] *Criminal Investigations Today: The Essentials*. 143-183. Sage Publications.
- Scott, D. M. (Ed.). (2020). [Review of] *Criminology: The Essentials*. 229-252; 273-289. Sage Publications.

College of Education & Psychology

The University of Texas at Tyler was recently awarded Carnegie R2 status, and our research endeavors reflect this increased status. In addition, the College of Education and Psychology has two fairly new doctoral programs, a PhD in Clinical Psychology and an EdD in School Improvement. These programs add to the emphasis on research and the production of scholars.

American anthropologist Zora Hurston said, "Research is formalized curiosity. It is poking and prying with a purpose." This curiosity can be seen in the research of the college, whether it be diagnosing dementia through virtual reality, analyzing and improving international education programs, or determining the effects of anxiety and other mental states, our researchers explore the questions of our disciplines with a purpose. The many labs within the college consistently explore the questions of the mind while including both undergraduate and graduate students as researchers.

This work with students to understand how we tick, both educationally and psychologically, mirrors the thought of social psychologist Kurt Lewin, who said, "No research without action, no action without research." Understanding human behavior aids counseling, education, and other therapies. The college continues to add to that knowledge base as it builds capacity in ourself and others.

Dr. Wesley Hickey
Dean, College of Education & Psychology

Psychology and Counseling

JOURNAL PUBLICATIONS

- Barnett, M. D., Fierro, L. A., & Bridenbaugh, A. J. (2020). The development of an individual differences end-of-life treatment preferences scale. *Death Studies*. <https://doi.org/10.1080/07481187.2020.1788666>
- Barnett, M. D., Moore, J. M., & Edzards, S. M. (2020). Body image satisfaction and loneliness among young adult and older adult age cohorts. *Archives of Gerontology and Geriatrics*, 89. <https://doi.org/10.1016/j.archger.2020.104088>
- Barnett, M. D., Childers, L. G., & Parsons, T. D. (2021). A Virtual Kitchen Protocol to measure everyday memory functioning for meal preparation. *Brain Sciences*, 11(5), 571. <https://doi.org/10.3390/brainsci11050571>
- Barnett, M. D., & Coldiron, A. M. (2021). Off-topic verbosity: Relationships between verbal abilities and speech characteristics among young and older adults. *Applied Neuropsychology: Adult*. <https://doi.org/10.1080/23279095.2021.1878461>
- Barnett, M. D., Maciel, I. V., Johnson, D. M., & Ciepluch, I. (2021). Social anxiety and perceived social support: Gender differences and the mediating role of communication styles. *Psychological Reports*, 124(1), 70-87. <https://doi.org/10.1177/0033294119900975>
- Barnett, M. D., Maciel, I. V., & Moore, J. M. (2021). "Coming out" as a virgin (or not): The Disclosure of Virginity Status Scale. *Sexuality & Culture*, 25, 2142-2157. <https://doi.org/10.1007/s12119-021-09869-y>
- Barnett, M. D., & Millward, K. A. (2021). Narcissistic admiration and rivalry in relation to aggressive sexual behavior among women and men. *Personality and Individual Differences*, 171. <https://doi.org/10.1016/j.paid.2020.110538>
- Barnett, M. D., Reed, C. M., & Adams, C. (2021). Death attitudes, palliative care self-efficacy, and attitudes toward care of the dying among hospice nurses. *Journal of Clinical Psychology in Medical Settings*, 28(2), 295-300. <https://doi.org/10.1007/s10880-020-09714-8>
- Barnett, M. D., Van Vleet, S. C., & Cantu, C. (2021). Gratitude mediates perceptions of previous generations' prosocial behaviors and prosocial attitudes toward future generations. *Journal of Positive Psychology*, 16(1), 54-59. <https://doi.org/10.1080/17439760.2019.1676459>
- Berkout, O., Cathey, A., & Berkout, D. (2020). Inflexitext: A program assessing psychological inflexibility in unstructured verbal data. *Journal of Contextual Behavioral Science*, 18, 92-98. <https://doi.org/10.1016/j.jcbs.2020.09.002>
- Berkout, O. (2021). Working with values: An overview of approaches and considerations in implementation. *Behavior Analysis in Practice*. <https://doi.org/10.1007/s40617-021-00589-1>
- Carver, K., Ismail, H., Reed, C., Hayes, J., Alsaif, H., Villaneuva, M., & Sass, S. M. (2021). High levels of anxiety and psychological well-being in college students: A dual factor model of mental health approach. *Journal of Positive School Psychology*, 5(1), 32-41. <https://doi.org/10.47602/jpsp.v5il.242>
- Chan, E. C., Wallace, K., Yang, E. H., Roper, L., Aryal, G., Lodhi, R. J., Baskys, A., Isenberg, R., Carnes, P., Green PhD, B. A., & Aitchison, K. J. (2021). Internal consistency and concurrent validity of self-report components of a new instrument for the assessment



Psychology and Counseling (Continued)

- of suicidality, the Suicide Ideation and Behavior Assessment Tool (SIBAT). *Psychiatry Research*, 307. <https://doi.org/10.1016/j.psychres.2021.114128>
- Daruwala, S. E., Houtsma, C., Martin, R. L., Green PhD, B. A., Capron, D. W., & Anestis, M. D. (2021). Masculinity's Association with the Interpersonal Theory of Suicide Among Military Personnel. *Suicide and Life-Threatening Behavior*, 51(5), 1026-1035. <https://doi.org/10.1111/sltb.12788>
- Estrada, S. (2020). Drawing Normal Curves: A Visual Analysis of Feedback in Writing-To-Learn Assignments in an Introductory Statistics Course for Community College Students. *The Qualitative Report*, 25(12), Article 12. <https://nsuworks.nova.edu/tqr/vol25/iss12/>
- Kanovsky, M., Halamova, J., Petrocchi, N., Moreira, H., Yang, E., Benda, J., Barnett, M. D., Brahler, E., Zeng, X., & Zenger, M. (2021). The multiple group IRT measurement invariance analysis of the Self-Compassion Scale in ten international samples. *Mediterranean Journal of Clinical Psychology*, 9(1),

- Article 1. <https://doi.org/10.6092/2282-1619/mjcp-2682>
- Kirby, L. A. J., & Thomas, C. L. (2020). High-Impact Teaching Practices Foster a Greater Sense of Belonging in the College Classroom. *Journal of Further and Higher Education*. <https://doi.org/10.1080/0309877X.2021.1950659>
- Kirby, L. A. J., Kornman, P. T., & Robinson, J. L. (2021). Outcomes of "brain breaks:" Short consistent meditation sessions in the college classroom are no different from sitting quietly. *Journal of Cognitive Enhancement*, 5(1), 99-117. <https://doi.org/10.1007/s41465-020-00178-0>
- Letkiewicz, A. M., Sifton, R. L., Mimnaugh, K. J., Miller, G. A., Heller, W., Fisher, J., & Sass, S. M. (2020). Childhood abuse history and altered attention bias in adults. *Psychophysiology*. <https://doi.org/10.1111/psyp.13627>
- Masters, S., & Hayes, A. R. (2020). Pathways among masculinity, femininity, and health behaviors in emerging adulthood. *Current Psychology*. <https://doi.org/10.1007/s12144-020-00792-3>

- Masters, S., Hayes, A. R., & Hixson, K. (2021). Perceptions of gender norm violations among middle school students: An experimental study of the effects of violation type on exclusion expectations. *Journal of Early Adolescence*, 41(4), 527-549. <https://doi.org/10.1177/0272431620931193>
- McGuire, A. P., Hayden, C. L., Frankfurt, S. B., Kurz, A. S., Anderson, A. R., Howard, B. A. N., & Szabo, Y. Z. (2020). Social engagement early in the U.S. COVID-19 crisis: Exploring social support and prosocial behavior between those with and without depression or anxiety in an online sample. *Journal of Social and Clinical Psychology*, 39(10), 923-953. <https://doi.org/10.1521/jscp.2020.39.10.923>
- McGuire, A. P., Fogle, B. M., Tsai, J., Southwick, S. M., & Pietrzak, R. H. (2021). Dispositional gratitude and mental health in the US veteran population: Results from the National Health and Resilience Veterans Study. *Journal of Psychiatric Research*, 135, 279-288. <https://doi.org/10.1016/j.jpsychires.2021.01.020>
- McGuire, A. P., Hayden, C. L., Zambrano-Vazquez, L., & Connolly, K. M. (2021). Examining the link between intolerance of uncertainty and positive and negative urgency in veterans with comorbid PTSD and substance use disorders. *Journal of Nervous and Mental Disease*, 209(1), 82-84. <https://doi.org/10.1097/NMD.0000000000001252>
- McGuire, A. P., & Mignogna, J. M. (2021). Inducing moral elevation in veterans with PTSD: An experimental investigation using a mixed methods approach. *Journal of Experimental Psychopathology*, 12(1), Article 1. <https://doi.org/10.1177/2043808720982415>
- Parsons, T. D., Barnett, M. D., & McMahan, T. (2020). Assessment of cognitive and functional performance using a Virtual Environment Grocery Store with environmental distractors. *Annual Review of Cybertherapy and Telemedicine*, 18, 157-161.
- Pavlov, Y. G., Adamian, N., Appelhoff, S., Arvaneh, M., Benwell, C. S. Y., Beste, C., Bland, A. R., Bradford, D. E., Bublatzky, F., Busch, N. A., Clayson, P. E., Cruse, D., Czeszumski, A., Dreber, A., Dumas, G., Ehinger, B., Ganis, G., He, X., Hinojosa, J. A., ... Mushtaq, F. (2021). #EEGManyLabs: Investigating the replicability of influential EEG experiments. *Cortex*, 144, 213-229. <https://doi.org/10.1016/j.cortex.2021.03.013>
- Sharma, J., McDonald, P. C., Bledsoe, K., Grad, R. I., Jenkins, K., Moran, D., O'Hara, C., & Pester, D. (2021). Intersectionality in research: Call for Inclusive, Decolonized, and Culturally Sensitive Research Designs in Counselor Education. *Counseling*



- Outcome Research and Evaluation, 12(2), 63-72. <https://doi.org/10.1080/21501378.2021.1922075>
- Thomas, C., & Hayes, A. R. (2021). Using exploratory structural equation modeling to investigate the construct validity of the critical thinking disposition scale. *Journal of Psychoeducational Assessment*, 39(5), 640-648. <https://www.sciencedirect.com/science/article/pii/S0010945221001106>
- Thomas, C. L., Zolkoski, S. M., & Sass, S. M. (2021). Investigating the psychometric properties of the Social Emotional Learning Scale. *Assessment for Effective Intervention*. <https://doi.org/10.1177/1534508420984522>
- Zolkoski, S. M., Estrada, S., West, E. M., Holm, J. M., Miller, G. J., Sass, S. M., & Stocks, E. L. (2021). Teacher perceptions of skills, knowledge, and resources needed to promote social and emotional learning in rural classrooms. *The Rural Educator*, 41(3):1-11. <https://doi.org/10.35608/ruraled.v41i3.1098>
- Zolkoski, S. M., Holm, J. M., West, E. M., Miller, G. J., Stocks, E. L., & Sass, S. M. (2021). Social and emotional learning in rural schools: Parent perspectives. *Kappa Delta Pi Record*, 57(1):43-46. <https://doi.org/10.1080/00228958.2021.1851587>

Psychology and Counseling (Continued)

OTHER

- Coldiron, A., Bennett-Leleux, L., Lee, D., Childers, L., Donnell, R., Sandlin, A., Marsden, A., & Barnett, M. D. (2020). Older adults' persisting beliefs about the death panel myth and advance directives. *Innovation in Aging*, 4(Supplement_1), 68. <https://doi.org/10.1093/geroni/igaa057.223>
- Coldiron, A., Smith, L., Helphrey, J., Sawyer, J., Flores, E., Glover, T., Lee, D., & Barnett, M. D. (2020). Comparing virtual reality and analog prospective memory performance: A-181. *Archives of Clinical Neuropsychology*, 35(6), 976. <https://doi.org/10.1093/arclin/acia068.181>
- Flores, E., Gutierrez, R., Shorter, S., Mollenkopf, K., Lucas, C., Jackie, F., Donnell, R., & Barnett, M. D. (2020). The relationship between visual memory and performance in virtual reality among older adults: A-016. *Archives of Clinical Neuropsychology*, 35(6), 806. <https://doi.org/10.1093/arclin/acia068.016>
- Gatzke-Kopp, L., Karayanidis, F., Bartholow, B. D., Fabiani, M., Hess, U., Hazlett, E. A., Larson, C. L., McTeague, L., Moser, J., Page-Gould, E., Sass, S. M., Silton, R., Ullsperger, M., Weinberg, A., Wieser, M., & Yee-Bradbury, C. (2020). SPR statement on racial justice. *Psychophysiology*, 57(8). <https://doi.org/10.1111/psyp.13634>
- Glover, T., Flores, E., Williams, L., Shorter, S., Childers, L., Mollenkopf, K., Barela, L., Sawyer, J., & Barnett, M. D. (2020). A preliminary study of prospective memory performance and medication adherence among young adults: A-180. *Archives of Clinical Neuropsychology*, 35(6), 975. <https://doi.org/10.1093/arclin/acia068.180>
- Sawyer, J., Barnett, M. D., Bennett, L., Donnell, R., Flair, A., Haygood, A., Markey, C., & Helphrey, J. (2020). Utilizing virtual reality to assess the relationship between prospective memory and processing speed: A-028. *Archives of Clinical Neuropsychology*, 35(6), 818. <https://doi.org/10.1093/arclin/acia068.028>
- Shorter, S., Reed, C., Glover, T., Gutierrez, R., Rodriguez, D., Moore, J., Parsons, T. D., & Barnett, M. D. (2020). Comparison of Performance on the Virtual Environment Grocery Store and the CVLT-II: A-184. *Archives of Clinical Neuropsychology*, 35(6):979. <https://doi.org/10.1093/arclin/acia068.184>
- Vasquez, M., Helphrey, J., Sandlin, A., Bennett-Leleux, L., Donnell, R., Glover, T., Markey, C., Moore, J., & Barnett, M. D. (2020). The relationship between self-rated everyday memory and cognitive status among older adults: A-179. *Archives of*

- Clinical Neuropsychology*, 35(6), 974. <https://doi.org/10.1093/arclin/acia068.179>
- Williams, L., Coldiron, A., Sandlin, A., Flores, E., Flair, J., Lee, D., Tran, N., & Barnett, M. D. (2020). A preliminary study of comfort with computers and analog tasks in relation to older adults' performance in virtual reality: A-183. *Archives of Clinical Neuropsychology*, 35(6), 978. <https://doi.org/10.1093/arclin/acia068.183>

POSTER PRESENTATION

- Barr, E., Haygood, A., Mollenkopf, K., Bennett-Leleux, L., Shorter, S., Flair, J., & Barnett, M. D. (2021, April). Narcissus and Echo: Narcissism and emotion regulation of self and others. In *Southwestern Psychological Association's 2021 Annual Conference*. Southwestern Psychological Association.
- Berooz Asl, B., Wallace, K., Yang, E., Roper, L., Aryal, G., Isenberg, R., Carnes, P., Green, B. A., Lodhi, R. J., Greiner, R., & Aitchison, K. J. (2020, October). Using Machine Learning to Explore Problematic Sexual



- Behavior and Related Conditions. In *World Congress of Psychiatric Genetics*.
- Chek, C., Reed, C., Archuleta, W. P., Cantu, C., Helphrey, J., Sawyer, J. D., Sandlin, A., Rodriguez, D., & Barnett, M. D. (2021). Does generativity explain conservatives' environmental attitudes? In *Southwestern Psychological Association's Annual Conference*. Southwestern Psychological Association.
- Childers, L. G., Bennett-Leleux, L. J., Glover, T. L., Flores, E. V., Haygood, A. N., Mollenkopf, K. K., Coldiron, A. M., Moore, J. M., & Barnett, M. D. (2021, February). Visual working memory and learning and recall in virtual reality. In *2021 Annual Scientific Meeting Virtual Edition of the International Neuropsychological Society*. International Neuropsychological Society.
- Childers, L. G., Shorter, S. S., Glover, T. L., Flair, A. J., Williams, L. M., Lee, D. C., Coldiron, A. M., & Barnett, M. D. (2021, April). Differential relationships between working memory and episodic memory in virtual reality among young adult and older adult age cohorts. In *2021 Annual Scientific Meeting Virtual Edition of the International Neuropsychological Society*. International Neuropsychological Society.
- Coldiron, A. M., Smith, L. N., Helphrey, J. H., Sawyer, J. D., Flores, E. V., Glover, T. L., Lee, D. C., & Barnett, M. D. (2020, October). Comparing virtual reality and analog prospective memory performance. In *Poster presented at the 40th Annual Conference Virtual Edition (due to COVID-19) of the National Academy of Neuropsychology*. National Academy of Neuropsychology.
- Coldiron, A. M., Bennett-Leleux, L. J., Lee, D. C., Childers, L. G., Donnell, R. L., Sandlin, A. M., Marsden, A. D., & Barnett, M. D. (2020, November). Older adults' persisting beliefs about the death panel myth and advanced directives. In *2020 Annual Scientific Meeting Online (due to COVID-19) of the Gerontological Society of America*. Gerontological Society of America.
- Daniel, R., Lauderdale, S., McGuire, A. P., Lahman, K., & Christian, K. (2020, October). Public stigma for a male veteran experiencing military sexual trauma. In *5th Annual San Antonio Combat PTSD Conference*. The STRONG STAR Consortium and the Consortium to Alleviate PTSD (CAP).
- Estrada, S., & Tsai, C.-L. (2021, February). Exploring First-generation College Students' Academic Motivation, Success, and Persistence: Preliminary Findings. In *Southwestern Educational Research Association*

- Conference*. Southwestern Educational Research Association. <https://scholarworks.uttyler.edu/sera2021/conference/evaluation/4/>
- Flores, E. V., Gutierrez, R. M., Shorter, S. S., Mollenkopf, K. K., Childers, L., Flair, A. J., Donnell, R. L., & Barnett, M. D. (2020, October). The relationship between visual memory and performance in virtual reality among older adults. In *40th Annual Conference Virtual Edition (due to COVID-19) of the National Academy of Neuropsychology*.
- Glover, T. L., Flores, E. V., Williams, L. M., Shorter, S. S., Childers, L. G., Mollenkopf, K. K., Barela, L. B., Sawyer, J. D., & Barnett, M. D. (2020, October). A preliminary study of prospective memory performance and medication adherence among young adults. In *40th Annual Conference Virtual Edition (due to COVID-19) of the National Academy of Neuropsychology*. National Academy of Neuropsychology.
- Hayden, C. L., & McGuire, A. P. (2020). Differences in cognitive and emotional responses across moral injury types in veterans. In *54th Annual Convention of Association for Behavioral and Cognitive Therapy*. Association for Behavioral and Cognitive Therapy.
- Holloway, E., Ismail, H., Nguyen, N., & McGuire, A. P. (2021, April). Are courage and compassion contagious? Examining moral elevation in anxious college students. In *Southwestern Psychological Association Annual Convention*.
- Howard, B. A. N., Burns, C. M., Mitchell, T. M., & McGuire, A. P. (2020). Examining quality of life in veterans with PTSD: The potential roles of mental health symptoms and protective factors. In *54th Annual Convention of Association for Behavioral and Cognitive Therapy*. Association for Behavioral and Cognitive Therapy.
- Howard, B. A. N., Mitchell, T. M., Burns, C. M., & McGuire, A. P. (2020, October). Examining the influence of trauma history on moral elevation responses in veterans with PTSD. In *5th Annual San Antonio Combat PTSD Conference*. The STRONG STAR Consortium and the Consortium to Alleviate PTSD (CAP).
- Ismail, H., Holloway, E., Nguyen, N., & McGuire, A. P. (2021, April). Personal values and moral elevation in anxious college students. In *Southwestern Psychological Association Annual Convention*.
- Jiang, S., Wallace, K., Yang, E., Roper, L., Aryal, G., Isenberg, R., Carnes, P., Green, B. A., Lodhi, R. J., & Aitchison, K. J. (2020, October). Defining a

Psychology and Counseling (Continued)

- problematic sexual behaviour phenotype in young adults in post-secondary education. In World Congress of Psychiatric Genetics.
- Lee, D. C., Haygood, A. N., Flores, E. V., Flair, J. A., Tran, N., Childers, L. G., Vasquez, M. A., Moore, J. M., & Barnett, M. D. (2021, February). Differences by age cohort and gender on a meal preparation task in virtual reality. In 2021 Annual Scientific Meeting Virtual Edition (Due to COVID-19) of the International Neuropsychological Society. International Neuropsychological Society.
- Li, C., Kemer, G., & Sunal, Z. (2021, July). A Systematic Review of Supervision Measures in Past 30 Years. In The Annual International Interdisciplinary Conference on Clinical Supervision (IICCS).
- Mollenkopf, K. K., Bennett-Leleux, L. J., Sandlin, A. M., Reed, C. M., Williams, L. M., Vasquez, M. A., Haygood, A. N., & Barnett, M. D. (2021, February). Physical activity and motor performance among older adults with neurocognitive disorder. In 2021 Annual Scientific Meeting Virtual Edition (Due to COVID-19) of the International Neuropsychological Society. International Neuropsychological Society.
- Perez Abreu, R., Estrada, S., & de la Torre Gutierrez, H. (2021, August). Modelling the COVID-19 epidemic in Mexico: A two step approach. In Joint Statistical Meetings. American Statistical Association.
- Reed, C. M., Calamia, M., & Barnett, M. D. (2021, February). Examining predictors of Stroop performance in an older adult sample. In 2021 Annual Scientific Meeting Virtual Edition (Due to COVID-19) of the International Neuropsychological Society. International Neuropsychological Society.
- Sawyer, J. D., Helphrey, J. H., Bennett, L. J., Donnell, R. L., Flair, A. J., Haygood, A., Markey, C. E., & Barnett, M. D. (2020, October). Utilizing virtual reality to assess the relationship between prospective memory and processing speed. In 40th Annual Conference Virtual Edition (due to COVID-19) of the National Academy of Neuropsychology. National Academy of Neuropsychology.
- Shorter, S. S., Coldiron, A. M., Reed, C. M., Glover, T. L., Gutierrez, R. M., Rodriguez, D., Moore, J. M., Parsons, T. D., & Barnett, M. D. (2020, October). Comparison of performance on the Virtual Environment Grocery Store and the CVLT-II. In 40th Annual Conference Virtual Edition (due to COVID-19) of the National Academy of Neuropsychology. National Academy of Neuropsychology.
- Staley, G., & McGuire, A. P. (2021, April). Examining similarities and differences between sexual assault and moral injury. In Southwestern Psychological Association Annual Convention.
- Sunal, Z., & Kemer, G. (2021, July). Counselor Trainees' Experiences in Integrated Behavioral Health Supervision (IBH): A Q-Methodology Approach. In The Annual International Interdisciplinary Conference on Clinical Supervision (IICCS).
- Tomoum, R., Nguyen, N., Holloway, E., Ismail, H., & McGuire, A. P. (2021, April). Moral elevation and mental health stigma among religious and spiritual people. In Southwestern Psychological Association Annual Convention.
- Tran, N., Donnell, R. L., Rodriguez, D., Glover, T. L., Vasquez, M. A., Childers, L. G., Lee, D. C., & Barnett, M. D. (2021, February). Social functioning in dementia, loneliness, and life satisfaction among older adults with neurocognitive disorder. In 2021 Annual Scientific Meeting Virtual Edition (Due to COVID-19) of the International Neuropsychological Society. International Neuropsychological Society.
- Vasquez, M. A., Helphrey, J. H., Sandlin, A. M., Bennett-Leleux, L. J., Donnell, R. L., Glover, T. L., Markey, C. E., Moore, J. M., & Barnett, M. D. (2020, October). The relationship between self-rated everyday memory and cognitive status among older adults. In 40th Annual Conference Virtual Edition (due to COVID-19) of the National Academy of Neuropsychology. National Academy of Neuropsychology.
- Williams, L. M., Coldiron, A. M., Sandlin, A. M., Flores, E. V., Flair, J. A., Lee, D. C., Tran, N., & Barnett, M. D. (2020, October). A preliminary study of comfort with computers and analog tasks in relation to older adults' performance in virtual reality. In 40th Annual Conference Virtual Edition (due to COVID-19) of the National Academy of Neuropsychology. National Academy of Neuropsychology.
- digital health intervention among individuals at risk for struggling with emotional disorders. In Annual Meeting of the Association for Contextual and Behavioral Sciences World Conference. Association for Contextual Behavioral Science.
- Green PhD, B. A., Altenberger, T. L., Arnau, R. C., Jorgenson, J., Barahas, K., Lodhi, R. J., Isenberg, R., Carnes, P. J., & Aitchison, K. J. (2020, June). Correlates of Mini International Neuropsychiatric Interview Diagnoses in a Clinical Hypersexual Sample. In 55th annual MMPI Symposium on Recent Research. University of Minnesota Press.
- Green PhD, B. A., Hutchinson, A., Kellermann, A., Parashar, N., Cordova, E., Arnau, R. C., & Carnes, P. (2021, June). MMPI-3 Profile and Scale Correlates in a Sample of Men Seeking Treatment for Hypersexuality. In MMPI Symposium on Recent Research. University of Minnesota Press.
- Lauderdale, S., Daniel, R., Tate, L. L., Slagel, B. A., & McGuire, A. P. (2020). Assessing the damage of stigma: A comprehensive evaluation of variables affecting public and internalized stigma experienced by active duty service members and veterans. In 54th Annual Convention of Association for Behavioral and Cognitive Therapy. Association for Behavioral and Cognitive Therapy.
- McDonald, C. P., Grad, R. I., Bledsoe, K., O'Hara, C., Pester, D., Sharma, J., & Moran, D. (2020, September). The AARC Diversity Committee: Experiences of Service, Advocacy, and Leadership. In Association for Assessment and Research in Counseling.
- McGuire, A. P., Creech, S. K., & Erickson, T. M. (2020). Moral elevation online intervention for veterans experiencing PTSD and moral injury distress (MOVED): Assessing the feasibility and acceptability of a web-based, positive psychology intervention. In 54th Annual Convention of Association for Behavioral and Cognitive Therapy. Association for Behavioral and Cognitive Therapy.
- Sass, S. M., Zolkoski, S. M., & Kirby, L. A. J. (2021, April). Faculty Learning Communities (contributed on behalf of UT Tyler's Work-life balance FLC). In Where Do We Go From Here? UT System Academy of Distinguished Teachers' Virtual Conference on Teaching in Texas. University of Texas System.
- Tsai, C.-L., Haskowitz, Y., & Estrada, S. (2021, Spring). Instructional Strategies, High School Preparation in Mathematics, and STEM Majors Among First-Generation College Students. In American Educational Research Association Annual Meeting.

PRESENTATIONS

- Arnau, R. C., Cordova, E., Green PhD, B. A., Hutchinson, A., Kellermann, A., Parashar, N., & Carnes, P. (2021, June). Relationships between Process Addictions, ADHD Symptoms, and MMPI-3 Scales in a Sample of Men Seeking Treatment for Hypersexuality. In MMPI Symposium on Recent Research. University of Minnesota Press.
- Berkout, O., & Thomas, J. (2021, July). An examination of an Acceptance and Commitment Therapy informed



GRANTS

- Sass, S. Psy Chi Grad Research Grant 2021, Psy Chi (January 14, 2021), USD \$1,495.
- Stocks, E. (PI), Combs, D. (Co-PI). Pecan Valley SAMHSA Evaluation Project, Pecan Valley Center (July 1, 2020), USD \$123,600.
- Stocks, E. Andrews Center Treatment Evaluation Project, Andrews Center Behavioral Healthcare System (January 1, 2021), USD \$36,727.

School of Education

BOOKS

Akpan, B. & Kennedy, T. J. (Eds.). (2020). *Science Education in Theory and Practice: An Introductory Guide to Learning Theory*. Switzerland: Springer Nature. ISBN 978-3-030-43619-3; ISBN 978-3-030-43620-9 (eBook). <http://doi.org/10.1007/978-3-030-43620-9>

CHAPTERS

Akpan, B. & Kennedy T.J. (2020). Introduction: Theory into Practice. In B. Akpan & T.J. Kennedy (Eds.), *Science Education in Theory and Practice: An Introductory Guide to Learning Theory* (pp. 1-13). Switzerland: Springer Nature. <http://doi.org/10.1007/978-3-030-43620-9>

Covino, K., Consalvo, A., & Chase, N. (2020). Identifying and Interrogating Toxic Masculinity in *Lord of the Flies* and *The Chocolate War*. In P. Greathouse & V. Malo-Juvera (Eds.), *Young adult and canonical literature: Pairing and teaching, Volume 2*. Rowman & Littlefield.

Delello, J. A. (2020). Preface. In T. De Giuseppe (Eds.) *Flipped inclusion: Computational thinking and transformative phenomenologies in the knowledge society* (pp. 11-21). Edizioni il Papavero.

Delello, J. A., & Consalvo, A. (2021). "I found myself retweeting": Using Twitter chats to build professional learning networks. In Information Resources Management Association (Eds.), *Research anthology on facilitating new educational practices through communities of learning* (pp. 366-381). IGI Global. <http://doi.org/10.4018/978-1-7998-7294-8.ch019>

Donley, M., Miller, G. J., Hickey, W., & Blundell, S. (2020). *Rural Districts: A Structured Candidate Evaluation to Find the Best Employee for the Position*. In *Voices from the Field: Building Capacity for Leadership and Social Change in Rural Schools* (pp. 112-121). ICPEL Publications.

Kennedy, T.J. & Sundberg, C.W. (2020). 21st Century Skills. In B. Akpan & T.J. Kennedy (Eds.), *Science Education in Theory and Practice: An Introductory Guide to Learning Theory* (pp. 479-496). Switzerland: Springer Nature. <http://doi.org/10.1007/978-3-030-43620-9>

McWhorter, R. R., Owens, M., Neel, J. L., Rueter, J., & Doepker, G. M. (2021). Examining the Adult Learning in "Giving Back" Initiatives. In Information Resources Management Association (Ed.), *Research Anthology on Adult Education and the Development of*

Lifelong Learners (pp. 1039-1066). IGI Global. <http://doi.org/10.4018/978-1-7998-8598-6.ch052>

Miller, G. J. (2020). Five Effective Tech Tools for Learning. In *The New Teacher's Guide to Overcoming Common Challenges: Curated Advice from Award-Winning Teachers* (pp. 57-58). Routledge Taylor & Francis Group.

Miller, G. J., & Terry, M. (2020). The Power of Your Voice. In *Texas Public School Organization and Administration 17th Edition* (pp. 127-138). Kendall Hunt Publishing Company.

Mokhtari, K., Strebler, C., Mihai, F. and Crevecoeur-Bryant, E. (2020), "The Quest for Linguistically Responsive Questioning: Using Knowledge of English Oral Proficiency Levels to Engage English Learners", Ortlieb, E., Grote-Garcia, S., Cassidy, J. and Cheek, E.H. (Ed.) *What's Hot in Literacy: Exemplar Models of Effective Practice (Literacy Research, Practice and Evaluation, Vol. 11)*, Emerald Publishing Limited, pp. 51-66. <https://doi.org/10.1108/S2048-045820200000011006>

Odell, M. R. L., Kennedy, T. J., Simmons, J., & Pedersen, J. L. (2020). Laboratory Schools to Support the Preparation of UTeach Preservice Teachers. In *Preparing STEM Teachers: The UTeach Replication Model*. Information Age Publishing.

Odell, M. R. L., & Pedersen, J. L. (2020). Project and problem-based teaching and learning. In B. Akpan & T.J. Kennedy (Eds.), *Science Education in Theory and Practice: An Introductory Guide to Learning Theory* (pp. 343-357). Switzerland: Springer Nature. <http://doi.org/10.1007/978-3-030-43620-9>

Pedersen, J. L., Odell, M. R. L., Kennedy, T. J., Dyer, K., Simmons, J., & Oliveras-Ortiz, Y. (2021). Improvement Science Models Used for Achievement in Mathematics. In *Improvement Science: Promoting Equity in Schools* (pp. 163-184). Myers Education Press.

JOURNAL PUBLICATIONS

Christensen, J. E., Larson, K. E., & Dykes, F. O. (2021). Using a School-wide coaching framework to create safe and inclusive spaces for students who identify as LGBTQ. *Preventing School Failure: Alternative Education for Children and Youth*, 65(4), 371-378. <https://doi.org/10.1080/1045988X.2021.1925868>

Consalvo, A., Covino, K., & Chase, N. (2021). Decentering the book(room) and (re)centering students' interest in contemporary issues: Theories, questions, and

relevance. *Teaching/Writing*, 10(1), Article 6. <https://scholarworks.wmich.edu/wte/vol10/iss1/6>

David, A. D., Consalvo, A., Grote-Garcia, S., Burke, A., Jansky, K., & Semingson, P. (2020). Teaching Goldilocks to read: Too much, too little, or just the right amount of phonics? *English in Texas*, 50(1), 42-49.

David, A.D., Consalvo, A. L., & Mokhtari, K. (2021). The Path In-Between: Sanity and Sustainability During this Latest Round of "The Reading Wars." *Texas Journal of Literacy Education*, 9(1), 13-17. <https://www.talejournal.com/index.php/TJLE/article/view/103>

De Giuseppe, T., Delello, J. A., & Corona, F. (2020). ESports into the flipped inclusion model: International lines of research. *Italian Journal of Health Education, Sports and Inclusive Didactics*, 4(4), 67-73. https://doi.org/10.32043/gsd.v4i4_20si.297

Delello, J. A., McWhorter, R. R., Roberts, P. B., Dockery, H. S., De Giuseppe, T., & Corona, F. (2021). The rise of esports: Insights into the perceived benefits and risks for college students. *International Journal of eSports Research*, 1(1), Article 5. <http://doi.org/10.4018/IJER.20210101.oa5>

Gipson, C., Delello, J. A., & McWhorter, R. R. (2021). Engaging nursing students and older adults through service-learning. *Working with Older People*, 25(1), 84-93. <https://doi.org/10.1108/WWOP-10-2020-0053>

Greathouse, P., Consalvo, A., Covino, K., David, A. D., Eisenbach, B., & Lechter, M. (2020). When inclusion meets resistance: Resources for facing a challenge. *English Journal*, 110(1), 80-86.

Jones, J. S., & Thomas, C. L. (2020). Leveraging the science of learning to enhance student success: An application of Syfr Learning's principles of practice. *Journal of Research Initiatives*, 5(2), Article 3. <https://digitalcommons.uncfsu.edu/jri/vol5/iss2/3>

Kaiser, F. J. (2021). Extinguishing teacher burnout: Supportive relationships are key to turning down the heat. *Principal Leadership Magazine*, 21(9), 46-49. <https://www.nassp.org/publication/principal-leadership/volume-21-2020-2021/principal-leadership-april-2021-2/extinguishing-teacher-burnout/>

Kirby, L. A. J., & Thomas, C. L. (2021). High-impact teaching practices foster a greater sense of belonging in the college classroom. *Journal of Further and Higher Education*. <https://doi.org/>

[10.1080/0309877X.2021.1950659](https://doi.org/10.1080/0309877X.2021.1950659)

Miller, G. J. (2020). Teacher Retention in a Rural East Texas School District. *School Leadership Review*, 15(1), Article 7. <https://scholarworks.sfasu.edu/slr/vol15/iss1/7/>

Mokhtari, K. (2021). Instructional Casualties: A Review of Transforming Literacy Education for Long-Term English Learners: Recognizing Brilliance in the Undervalued. *Journal of Adolescent & Adult Literacy*, 64(5), 604-607. <https://doi.org/10.1002/jaal.1144>

Oliveras-Ortiz, Y. (2020). Study abroad experiences: Challenging aspiring leaders' Perceptions of Diversity. *Insight*, 35(3), 21-23. <https://issuu.com/tasanet/docs/fall2020/21>

Oliveras-Ortiz, Y. (2021). Lessons learned from students and teachers: Space and learning. *Insight*, 36(2), 26-29. https://issuu.com/tasanet/docs/insight_summer_2021/26

Stevens, R. (2021). Mexican Revolutionary Mural Artist's Influence New Deal Post Office Art. *The Social Studies Texan*, 37(2), 50-54.

Thomas, C. L., & Cassady, J. C. (2020). Stereotype threat and self-affirmation: Reconsidering the protective influence of value affirmation interventions. *The Journal of Research Initiatives*, 5(2), Article 6. <https://digitalcommons.uncfsu.edu/jri/vol5/iss2/6>

Thomas, C. L. (2021). Predicting test anxiety using the 3x2 achievement goal model. *International Journal of School & Educational Psychology*. <https://doi.org/10.1080/21683603.2020.1816237>

Thomas, C. L., & Allen, K. (2021). Investigating the Influence of COVID-Related Worry on University Enrollment Intentions: An Application of the Reasoned Action Model. *Journal of College Student Retention: Research, Theory, & Practice*. <https://doi.org/10.1177/15210251211014812>

Thomas, C. L., & Cassady, J. C. (2021). Validation of the State Version of the State-Trait Anxiety Inventory in a University Sample. *Sage Open*, 11(3). <https://doi.org/10.1177/21582440211031900>

Thomas, C. L., & Hayes, A. R. (2021). Using Exploratory Structural Equation Modeling to Investigate the Construct Validity of the Critical Thinking Disposition Scale. *Journal of Psychoeducational Assessment*, 39(5), 640-648. <https://doi.org/10.1177/0734282921990564>

Thomas, C. L., Zolkoski, S. M., & Sass, S. M. (2021). Investigating the psychometric properties of the Social Emotional Learning Scale.

School of Education (Continued)

Assessment for Effective Intervention. <https://doi.org/10.1177/1534508420984522>

Zolkoski, S. M., Estrada, S., West, E. M., Miller, G. J., Holm, J. M., Sass, S. M., & Stocks, E. L. (2021). Teacher perceptions of skills, knowledge, and resources needed to promote social and emotional learning in rural classrooms. *The Rural Educator*, 41(3), 1-11. <https://doi.org/10.35608/ruraled.v41i3.1098>

Zolkoski, S. M., Holm, J., West, E., Ismail, H., Kennedy, B., Votaw, A., Miller, G., Stocks, E., & Sass, S. (2021). Social-emotional learning in rural Schools: Parents' perspectives. *Kappa Delta Pi Record*, 57(1), 43-46. <https://doi.org/10.1080/00228958.2021.1851587>

OTHER

Consalvo, A., & David, A. D. (2020). A gift of grace. "The Shifting Literacy Landscape" [column]. *The Texas Journal of Literacy Education*, 8(2), 16-18. <https://www.talejournal.com/index.php/TJLE/article/view/78/22>

Mokhtari, K., (2020). The foundation for reading is laid starting at birth. Interview with Laura Millman, journalist from Germany who specializes in education, child development and educational policy. This interview, printed in *Bold.Expert*, was inspired by a keynote address made at the 2020 ICSEI conference in Marrakesh, Morocco.

Oliveras-Ortiz, Y. (2020). Convention Debrief: Themes, meaning and application to scholarship - Invited Panelist. University Council for Educational Administration Jackson Scholars Network Series.

Oliveras-Ortiz, Y. (2020). Teaching by reaching: Environment and student learning (Podcast). *Pressing Onward Podcast*.

Oliveras-Ortiz, Y., Bouillion, D., & Asbury, L. (2020). Teachers' instructional decisions and student agency in new purposefully designed learning spaces. Research Report Commissioned by VLK Architects. https://vlkarchitects.com/assets/img/03_Original-Research_Digital_Final.pdf

Oliveras-Ortiz, Y., & Hickey, W. (2021). Belize Newly Qualified Teacher Rubric. Belize Ministry of Education.

OTHER TEACHING MATERIALS

Oliveras-Ortiz, Y., Hickey, W., Kaiser, F. J., & Lane, J. (2021). Instructional Supervisors Guide: Instructional supervision for educational excellence in Belize. In

Belize Ministry of Education. Belize City. Oliveras-Ortiz, Y., Hickey, W., Kaiser, F. J., & Lane, J. (2021). Teachers Guide: Instructional supervision for educational excellence in Belize. In Belize Ministry of Education. Belize City.

POSTER PRESENTATIONS

Ganske, J., & Thomas, C. L. (2021, Spring). Investigating COVID-19 coping preferences using latent profile analysis. 2021 Association for Psychological Science Virtual Conference.

Garza, K., Sanders, H., Easterling, T., & Thomas, C. L. (2021, Spring). Perfectionism, self-compassion, and subjective well-being: A replication study. 2021 Association for Psychological Science Virtual Conference.

Kennedy, T. J. (2021, February). International Engineering Design Challenge: Student Solutions in Response to the Pandemic. 2021 TexTESOL V Virtual Regional Conference.

Thomas, C. L., Terho-Streck, A., Nguyen, V., Ganske, J., Lewis, L., Roberts, C., Sanders, H., & Easterbrook, T. (2020, May). Investigating the factor structure of the defensive confidence scale. Association for Psychological Science 32nd Annual Convention (Conference Cancelled).

Thomas, C. L. (2021, Spring). The Role of Horizontal-Vertical Individualism-Collectivism in Test Anxiety. 2021 Midwestern Psychological Association Conference.

Thomas, C. L., & Allen, K. (2021, Spring). Strategies of the Emotionally Intelligent Student: Examining the Effects of Students' Emotion Management and Understanding Capabilities on Student Engagement Behaviors and Degree Commitment. 2021 Association for Psychological Science Virtual Conference.

PRESENTATIONS

Ait St Mhamed, A., & Mokhtari, K., (2020). Statistical Analysis in Education and Social Sciences. Master class taught at the International Congress for School Effectiveness and Improvement (ICSEI), Marrakesh, Morocco.

Consalvo, A., & Thomas, C. L. (2021, April). (Re-) Mediating Engaged Reading with University Students in an Elementary Teacher Education Program. In American Educational Research

Association 2021 Virtual Annual Meeting. AERA. Covino, K., Consalvo, A., & Chase, N. (2020, November). Choppy Waters and Turbulent Discourse: Using Paired YA Texts to Uncover and Interrogate Themes of Toxic Masculinity in Literature. In National Council of Teachers of English Annual Conference (Session Cancelled). NCTE.

David, A. D., & Consalvo, A. (2021). Students' Right to Read in an Era of Censorship. In Texas Council of Teachers of English Language Arts: part of affiliate webinar series. Texas Council of Teachers of English Language Arts.

Delello, J. A. (2020, September). Motivational Strategies for the Pharmacy Educator. In 2020 RTCP Workshop. The University of Texas at Tyler.

Delello, J. A. (2020, December). Ubiquità: Corpo, spazio e tempo nella didattica digitale. (Ubiquity: Body, space and time in Digital Education). In Sirem - Italian Society of Research on Medial Education Conference.

Delello, J. A. (2021, January). Online Assessment for Science and Technology. University of Belize.

Delello, J. A., McWhorter, R. R., & De Giuseppe, T. (2021, June). Embracing Esports for Increasing Student Learning and Campus Engagement. In ISTE Live 21. International Society for Technology in Education.

Delello, J. A., & Consalvo, A. (2021, Autumn). Professional Learning Communities. In "Where do we go from here?" UT System Academy of Distinguished Teachers' Virtual Conference on Teaching in Texas. The University of Texas at Tyler.

Kaiser, F. J. (2021, January). Put out the Fire: How Principals Reduce Teacher Burnout Through Targeted Support. In 2021 TASA/TCPEA Conference within a Conference. Texas Council of Professors of Educational Administration.

Kaiser, F. J. (2021, July). Promoting Critical Thinking through Online Learning. In Summer 2021 Consortium for Belize Educational Cooperation Virtual Conference. The Consortium for Belize Educational Cooperation.

Kaiser, F. J., & Lane, J. (2021, August). I-See Belize Newly Qualified Teacher Rubric Educator Preparation. In Instructional SuperVision for Educational Excellence in Belize. Belize Ministry of Education.

Kennedy, T. J. (2020, October). STEAM in Education. In Latin American Science Education Research Association (LASERA) 2020 Seminar. Latin American Science Education Research Association (LASERA).

Kennedy, T. J. (2020, December). Emergency Remote Interdisciplinary Science Teaching in the days of Pandemia. In The COVID-19 Engineering Design Challenge 2020. Regional Administration of Primary and Secondary Education of Crete, Greece.

Kennedy, T. J. (2020, December). Meeting social responsibility of science, researchers and engineers, towards future generations through inclusion of women in STEM. In UNESCO 2020 International Conference of NGOs. United National Education, Scientific and Cultural Organization.

Kennedy, T. J. (2021, February). Engineering Design Challenge. In 14th Annual Texas STEM Conference. Texas STEM Coalition.

Kennedy, T. J., & Odell, M. R. L. (2021, May). Using GLOBE to Support Student Research and Sustainable Development in the Classroom. In UNESCO World Conference on Education for Sustainable Development. United Nations Educational, Scientific and Cultural Organization.

McWhorter, R. R., Johnson, G. D., Delello, J. A., & Holt, P. (2021, February). Virtual Mock Team Interviewing: Preparing Students for Career Success. In 28th Annual AHRD Conference in the Americas (Virtual). Academy of Human Resource Development.

Miller, G. J., Bedre, C., & Ray, K. (2021, June 24). Principal Residency Grant - Cycle 4: A Partnership between Westwood ISD & The University of Texas at Tyler. In TEA Principal Residency Summer Institute. Texas Education Agency.

Mokhtari, K., (2020). The Global Imperative of Investing in Early Childhood Learning: Pathways to Educational Quality and Equity for Young Children Across the Globe. Keynote address delivered at the International Congress for School Effectiveness and Improvement (ICSEI), Marrakesh, Morocco.

Odell, M. R. L., & Kennedy, T. J. (2021, February). GLOBE: Elementary STEM Program. In 14th Annual Texas STEM Conference. Texas STEM Coalition.

Odell, M. R. L., & Simmons, J. A., & Kennedy, T. J. (2021, April). University Academies: Case Studies in Teacher Preparation and School Improvement. In IALS 2021 International Virtual Conference. International Association of Laboratory Schools.

Oliveras-Ortiz, Y., Garbutt, J., & Vairez, M. (2020, Summer). U.S.-Belize Partnership: UT Tyler, the Belize Ministry of Education, and the University of Belize - Toledo. In Summer 2020 Consortium for Belize Educational Cooperation Virtual Conference. Consortium for Belize Educational Cooperation.

School of Education (Continued)

- Oliveras-Ortiz, Y., Bouillion, D., Asbury, L., & Lambropoulos, L. (2020, October). Enabling Student Agency in New Purposefully Designed Learning Spaces. In *TASA/TASB 2020 Virtual Convention*. TASA/TASB.
- Oliveras-Ortiz, Y., & Hickey, W. (2020, Autumn). Community-Based Leadership in a Remote Belizean Village. In *34th Annual Convention of the University Council for Educational Administration (Virtual)*. University Council for Educational Administration.
- Oliveras-Ortiz, Y. (2021, February). Research Centre for Belizean Studies. In *Winter 2021 Consortium for Belize Educational Cooperation Virtual Conference*. Consortium for Belize Educational Cooperation.
- Oliveras-Ortiz, Y., & Hickey, W. (2021, August). Instructional Supervisors and Principal Training: Instructional supervision for educational excellence in Belize. In *Initial Training for Participants of the CARSI grant funded project in partnership with the Belize Ministry of Education*. Belize Ministry of Education.
- Rueter, J., & Stephens, T. L. (2020, Autumn). The decisions we make and instrument selection. In *C-SEP: Beyond the score Webinar Series*.
- Sass, S. M., Zolkoski, S. M., & Kirby, L. A. J. (2021, April). Faculty Learning Communities (contributed on behalf of UT Tyler's Work-life balance FLC). In "Where Do We Go From Here?" UT System Academy of Distinguished Teachers' Virtual Conference on Teaching in Texas. University of Texas System.
- Song, K., Bradley, B., Consalvo, A., Stefanski, A., Hitchens, C. W. & David, A. D. (2020, November). "Are we there yet?": The Bumpy Road for Perspectival Understanding in Community-Based Literacy Research and Literacy Teacher Education. In *70th Literacy Research Association Annual Conference (Virtual)*. LRA.
- Stephens, T. L., Rueter, J., & Woodbury, C. (2021, Spring). Working smarter, not harder: Tearing down the silos and streamlining the assessment process. In *C-SEP: Beyond the score Webinar Series*.
- Woodbury, C., Stephens, T. L., & Rueter, J. (2020, Summer). Tips for effective collaboration, communication, and facilitation for evaluators. In *C-SEP: Beyond the score Webinar Series*.
- Zolkoski, S. M., Lewis Chiu, C. G., & Lusk, M. E. (2021, March). Motivate the Unmotivated: Educating Students with Challenging Behaviors. In *2021 Council for Exceptional Children Convention & Expo*.

PROCEEDINGS PUBLICATIONS

- An, H., & Sung, W. (2021, March). Design of an Online Robotics Course Using the Learning by Design Approach. *Society for Information Technology & Teacher Education International Conference*, 2021(1), 568-576. <https://www.learntechlib.org/primary/p/219186/>

GRANTS

- Consalvo, A. Dollar General Youth Literacy, Dollar General Foundation (September 10, 2020), USD \$4,000.
- Dykes, F. Panola College Teacher Pipeline Plan, TLL Temple Foundation (November 31, 2020), USD \$100,000.
- Oliveras-Ortiz, Y. (PI), Hickey, W. (Co-PI). Addressing the Gaps in Teacher Preparation to Strengthen Primary Education in Marginalized Communities in Belize, Bureau of Western Hemisphere Affairs (U.S. Department of State) (September 1, 2020), USD \$200,000.
- Simmons, J. TEA Lone Star STEM Grant Year 2, Texas Education Agency (September 1, 2020), USD \$3,571.
- Simmons, J. TEA Math Innovation Zones Sustainability Grant, Texas Education Agency (May 26, 2021), USD \$120,487.00.
- Simmons, J. TEA ESSER II, Texas Education Agency (July 26, 2021), USD \$267,677.
- Simmons, J. TEA ESSER III, Texas Education Agency (July 26, 2021), USD \$400,776.
- Swain, C. Texas Reskilling Support Fund, Texas Higher Education Coordinating Board (January 4, 2021), USD \$112,500.
- Swain, C. Dana Center Transfer Student Project, UT Austin (Dana Center) (July 8, 2021), USD \$4,000.



College of Engineering

Boyer's famous definition of scholarship includes aspects encompassing discovery, integration, application, and teaching/learning. The engineering and construction management disciplines stand atop a knowledge base built upon information discovered, created, and integrated across these four areas, and the College of Engineering at UT Tyler is part of a nationwide engine that continues to add to this knowledge base. The professions of engineering and construction management are transformative endeavors that leverage creativity, critical thinking, technical skills, math and science, leadership, and ethical practices to innovate solutions for complex problems. Our faculty is composed of highly engaged individuals dedicated to student success, research excellence, and the advancement of their discipline. The college as a whole is productive across these four areas of scholarship – below, a few examples are highlighted.

This year has been an outstanding one for Dr. Souliman's (Civil Engineering) research expansion. He was able to publish 10 peer reviewed journal papers as well as 11 conference proceedings and two poster presentations. Most of these publications were coauthored with UT Tyler graduate or undergraduate students.

Dr. Shawana Tabassum, assistant professor of electrical engineering, has been recognized as an early-career researcher who has developed a device to improve infant healthcare in underdeveloped regions. Recognized for her work on neonatal health disparity in underserved areas across the globe, Tabassum has pioneered a device that allows the measurement of biomarker levels of newborns and infants in least developed countries. Similar to a glucometer, Tabassum's device uses a drop of blood and a test strip to determine within 10 minutes what illnesses or conditions may be present in an infant. The strip also indicates biomarkers for the presence and level of sepsis or infection. The technology behind this device has been patented, and Dr. Tabassum published several papers this year in this research area.

In Mechanical Engineering, Dr. Chou, Dr. Goh and Dr. Ibrahim are all active in the biomedical engineering area – using engineering approaches to explore health issues such as wound healing, mobility aids, and exercise efficiency. Mechanical engineering faculty are also active in a wide array of fields representing the breadth of the discipline, with wide ranging contributions in fuel cell development, innovative materials development, HVAC and energy efficiency, and wind turbine sustainability studies.

Our newest program, Chemical Engineering, is hitting its stride, with Dr. Resende contributing in the area of jet fuel production. His presentation at the NASA Engineering and Safety Center (along with Dr. Biswas from Mechanical Engineering) focused on the production of jet fuels from hydrolysis. Dr. Khanal was awarded a grant from the American Chemical Society to provide research opportunities for students. The two-year, \$55,000 Undergraduate New Investigator grant from the Petroleum Research Fund will primarily provide several students with a mentored, hands-on research opportunity at UT Tyler, focused on studying the flow behavior of hydrocarbons in nanoconfined pores. The flow behavior of gases confined in nanopores cannot be adequately modeled by using traditional continuum models and needs to be modeled at a molecular level. Dr. Khanal intends to use a molecular model based on kinetic theory gases to study the flow of methane in complex subsurface porous media characterized by the presence of pores of different sizes, geometry, and surface properties. The research will be instrumental in modeling the flow of methane in shale reservoirs accurately.

Teaching and learning of engineering and construction management concepts, principles, and pedagogy is one of the core areas of the college. As just a few examples, Dr. Chou, Dr. Goh, and Dr. Khajah (all from Mechanical Engineering), and Dr. Vechione and Dr. Souliman (Civil Engineering) all published work with students in the annual Lyceum Showcase and Competition. Dr. Barakat was invited to universities across the globe to deliver seminars in engineering education, pedagogy, and ethics, including seminars on professional issues and sustainability in Hong Kong, and a seminar on engineering ethics in Malaysia. He also contributed to the body of literature in experiential learning and the engineering hiring process.

Dr. Javier Kypuros
Dean, College of Engineering

Chemical Engineering

GRANTS

Resende, F. Trans Fuels for Hydrolysis VME Process, VME Process (May 1, 2021), USD \$50,000.



Civil Engineering

JOURNAL PUBLICATIONS

- Bastola, N., Souliman, M., & Mohammed, Z. (2021). Preliminary Finite Element Modeling of Asphalt Material Using ANSYS. *Civil Engineering Beyond Limits*, 2(1), 21-27. <https://doi.org/10.36937/cebel.2021.001.005>
- Dadmand, B., Pourbaba, M., Sadaghian, H., & Mirmiran, A. (2020). Effectiveness of steel fibers in ultra-high-performance fiber-reinforced concrete construction. *Advances in Concrete Construction*, 10(3), 195-209. <https://doi.org/10.12989/ACC.2020.10.3.195>
- Dadmand, B., Pourbaba, M., Sadaghian, H., & Mirmiran, A. (2020). Experimental & numerical investigation of mechanical properties in steel fiber-reinforced UHPC. *Computers and Concrete, An International Journal*, 26(5), 451-465. <https://doi.org/10.12989/cac.2020.26.5.451>
- Elwardany, M., Hanna, B., & Souliman, M. (2021). Estimating the impact of automated truck platoons on asphalt pavement's fatigue life using artificial neural networks. *International Journal of Pavement Engineering*. <https://doi.org/10.1080/10298436.2021.1938046>
- Ghasemi, S., Mirmiran, A., Xiao, Y., Mackie, K. (2021). Accelerated testing of super lightweight UHPC waffle deck under heavy vehicle simulator. *Bridge Structures*, 16(2-3), 61-74. <https://content.iospress.com/articles/bridge-structures/brs200176>
- Isied, M., & Souliman, M. (2021). Neural Network Modeling for the Rotational Viscosity of Reacted and Activated Rubber Modified Binders. *Advances in Civil Engineering Materials*, 10(1), 140-153. <https://doi.org/10.1520/ACEM20200114>
- Isied, M., Souliman, M., Zeiada, W., & Bastola, N. (2021). Predictive Artificial Neural Network Laboratory Fatigue Endurance Limit Model for Asphalt Concrete Pavements Based on the Volumetric Properties and Loading Conditions. *Transportation Research Record*, 2675(8), 630-642. <https://doi.org/10.1177/0361198121999657>
- Sadaghian, H., Pourbaba, M., Zeinali Andabili, S., & Mirmiran, A. (2021). Experimental and numerical study of flexural properties in UHPFRC beams with and without an initial notch. *Construction & Building Materials*, 268. <https://doi.org/10.1016/j.conbuildmat.2020.121196>
- Souliman, M., Bastola, N., & Zeiada, W. (2020). Improvement of fatigue and rutting performance with different base treatments. *Material Science & Engineering International Journal*, 4(5), 122-129. <https://doi.org/10.15406/mseij.2020.04.00138>

Civil Engineering (Continued)

- Souliman, M., Gc, H., & Mohammed, Z. (2021). Enhanced Flexible Pavement Performance Using Treated Compared to Untreated Aggregate Bases: A Comparative Case Study in the Southern United States. *Infrastructures*, 6(8), 110. <https://doi.org/10.3390/infrastructures6080110>
- Walubita, L., Mahmoud, E., Fuentes, L., Prakoso, A., Lee, S., Souliman, M., & Komba, J. (2020). Correlating the Asphalt-Binder High-Temperature Properties (DSR) to HMA Permanent Deformation (RLPD) and Field Rutting: A Laboratory-Field Study. *Construction and Building Materials*, 262(2020), 120761. <https://doi.org/10.1016/j.conbuildmat.2020.120761>
- Zeida, W., Souliman, M., Arab, M., Underwood, S., & Kaloush, K. (2020). Fatigue behavior of conventional and rubber-modified gap graded asphalt mixtures using bending and axial fatigue tests. *Australian Journal of Civil Engineering*, 19(2), 195-207. <https://doi.org/10.1080/14488353.2020.1854943>

POSTER PRESENTATIONS

- Bastola, N. R., Souliman, M., & Vechione, M. M. (2021, January 27). Preliminary Study on Rutting Performance of Pavement Structures Under the Effect of Future Autonomous Vehicle Movements. In 100th Annual Meeting of the Transportation Research Board, Online.
- Bastola, N. R., Vechione, M. M., Elshaer, M., & Souliman, M. (2021, January). Artificial Neural Network Prediction Model for In-Situ Resilient Modulus of Subgrade Soils for Pavement Design Applications. In 100th Annual Meeting of the Transportation Research Board, Online.

PRESENTATIONS

- Frazier, J., Vechione, M. M., & Gurbuz, O. (2020, September 30). Analysis of Destination Lane Choice at Urban Intersections. In 2020 IEEE International Smart Cities Conference. Online.

PROCEEDINGS PUBLICATIONS

- Bastola, N. R., Vechione, M. M., Elshaer, M., & Souliman, M. (2021, January). Artificial Neural Network Prediction Model for In-Situ Resilient Modulus of Subgrade Soils for Pavement Design Applications. Annual Meeting of the Transportation Research Board, Online.

- Bastola, N. R., Vechione, M. M., & Souliman, M. (2021, January 27). Preliminary Study on Rutting Performance of Pavement Structures Under the Effect of Future Autonomous Vehicle Movements. Annual Meeting of the Transportation Research Board. Poster
- Bastola, N., Souliman, M., & Dessouky, S. (2021, June). Assessing Pavement Surface Deflections in the South-Central States with Software Simulations. Transportation Consortium of South Central States (Tran-SET) Conference.
- Elwardany, M., Hanna, B., & Souliman, M. (2021, January 27). Estimation of Automated Truck Platooning's Impacts on the Fatigue Life of Flexible Pavements Using Machine Learning Algorithms. Annual Meeting of the Transportation Research Board.
- Frazier, J., Vechione, M. M., & Gurbuz, O. (2020, October). Analysis of Destination Lane Choice at Urban Intersections. 6th IEEE Smart Cities Conference (ISC2).
- Souliman, M., Bastola, N., & Zeida, W. (2020). Mechanistic and Cost-Effectiveness Analysis of Cement Treated Bases in Flexible Pavement. 5th World Congress on Civil, Structural, and Environmental Engineering (CSEE'20), Online. <https://doi.org/10.11159/icgre20.157>.
- Yarrapureddi, H. K., Saygili, G., & Souliman, M. (2021). Surface Strength of Treated Subgrade Soils. GeoChina International Conference.



Electrical Engineering

JOURNAL PUBLICATIONS

- Hoffmann, D. S., Kearns, K., Bovenmyer, K. M., Cumming, P., Drane, L. E., Gonin, M., Kelly, L., Rohde, L., Tabassum, S., & Blay, R. (2021). Benefits of a Multi-institutional, Hybrid Approach to Teaching Course Design for Graduate Students, Postdoctoral Scholars, and Leaders. *Teaching & Learning Inquiry* 9(1):218-40. <https://doi.org/10.20343/teachlearningqu.9.1.15>
- Kundu, S., Tabassum, S., & Kumar, R. (2021). Plasmonic point-of-care device for sepsis biomarker detection. *IEEE Sensors Journal* 21(17), pp. 18837-18846, 1 Sept.1, 2021. <https://doi.org/10.1109/JSEN.2021.3088117>
- Li, Y., Schwartz, W. J., & Indic, P. (2020). Dynamics of periodically forced finite N-oscillators, with implications for the social synchronization of animal rest-activity rhythms. *Chaos: An Interdisciplinary Journal of Nonlinear Science*, 30(10), 103106. <https://doi.org/10.1063/5.0019848>
- Tabassum, S., Kumar, D. P., and Kumar, R. (2021). "Copper Complex-Coated Nanopatterned Fiber-Tip Guided Mode Resonance Device for Selective Detection of Ethylene." *IEEE Sensors Journal*, 21(16), 17420-17429. <https://doi.org/10.1109/JSEN.2021.3057619>

PRESENTATIONS

- Tabassum, S. (2020, Autumn). Outcomes of a course design workshop series implemented in a team-based and diverse classroom setting. In CIRTL (Center for the Integration of Research Teaching and Learning). Teaching-as-Research Presentations. <https://dr.lib.iastate.edu/handle/20.500.12876/15591>
- Tabassum, S. (2021, July). DWIH Science Story: Wearable Diagnostics, My Heart on My Sleeve. In Science Story Exchange Launch, German Center for Research and Innovation.

PROCEEDINGS PUBLICATIONS

- Lee, K.-Y., Yoo, A., Park, J., & Nahrstedt, K. (2020). Redefine the A in ABR for 360-degree Videos: A Flexible ABR Framework. 2020 IEEE International Symposium on Multimedia (ISM), 82-84. <https://doi.org/10.1109/ISM.2020.00020>
- Park, J., Wu, M., Lee, K., Chen, B., Nahrstedt, K., Zink, M., & Sitaraman, R. (2020). SEAWARE: Semantic aware view prediction system for 360-degree video streaming. 2020 IEEE International Symposium on

- Multimedia (ISM), 57-64. <https://doi.org/10.1109/ISM.2020.00016>
- Park, J., Wu, M., Lee, E., Nahrstedt, K., Shah, Y., Rosenthal, A., Murray, J., Spiteri, K., Zink, M., & Sitaraman, R. (2020). Video 360 Content Navigation for Mobile HMD Devices. Proceedings of the 28th ACM International Conference on Multimedia, 4497-4499. <https://doi.org/10.1145/3394171.3414389>
- Sallah, A., & Sundaravadivel, P. (2020). Tot-Mon: A Real-Time Internet of Things based Affective Framework for Monitoring Infants. IEEE Computer Society Annual Symposium on VLSI (ISVLSI), 600-601. <http://doi.org/10.1109/ISVLSI49217.2020.00093>
- Shirvaikar, M., Grecos, C., & Kehtarnavaz, N. (2021, April). Heuristic approaches for porting Deep Neural Networks (DNN) on to mobile devices. SPIE International Conference on Real Time Image Processing and Deep Learning, 1173606 (12 April 2021). <https://doi.org/10.1117/12.2587892>
- Shirvaikar, M., & Richey, B. (2021, April). Deep learning based real-time detection of northern corn leaf blight crop disease using YoloV4. SPIE International Conference on Real Time Image Processing and Deep Learning. <https://doi.org/10.1117/12.2587892>

GRANTS

- Indic, P. Pre Vent Apnea Supplement, National Institutes of Health Through the University of Alabama at Birmingham (September 5, 2020), USD \$23,250.
- Indic, P. RAE (Realize, Analyze, Engage): A Digital Biomarker Based Detection and Intervention System for Stress and Craving During Recovery from Substance Abuse Disorders, National Institute of Health (April 1, 2021), USD \$48,951.
- Tabassum, S. Infusing Entrepreneurship into the UT Tyler Engineering Curriculum and Building a Sustainable East Texas Entrepreneurship Innovation Hub, VentureWell (February 1, 2021), USD \$29,500.

College of Nursing & Health Sciences

At the School of Nursing, our mission is to “empower students to excel as nurse clinicians, leaders, and scholars in a caring, student-centered, strengths-based environment.” With 2,224 students enrolled in undergraduate, master’s, and doctoral degree programs, the School of Nursing comprises 23% of the university’s enrollment.

As a practice discipline, the Scholarship of Practice is deeply embedded in our programs. Faculty and students actively participate in caring for individuals, families, and communities throughout the region. They are engaged in acute care, advanced practice, and community health settings. During 2021, they partnered with health systems throughout Texas to play an integral role in responding to the continuing COVID crisis. In recognition of nursing’s contribution to healthcare, the World Health Organization declared 2021 as “Year of the Nurse.”

This year the National League for Nursing has named 2022 as “Year of the Nurse Educator.” School of Nursing faculty are not only active in the Scholarship of Practice, but they also engage in the Scholarship of Discovery. Despite the continued challenges associated with COVID and the need to focus on delivery of care, School of Nursing faculty published 52 journal articles and gave 67 professional presentations, including 31 poster and 36 podium presentations, this past academic year.

The work performed by faculty was supported by over \$2 million in current grant funding, much of it focused on delivery of care to rural communities. Examples include grant funding to support education of psychiatric mental health nurse practitioners in underserved communities, COVID vaccine outreach in rural East Texas, and providing psychological and exercise support to persons with cancer living in rural communities.

As part of the UT Tyler reorganization, the School of Nursing is now one of five health-related schools under the Health Affairs Division. Together, we will continue to expand our understanding of health-related issues and address the critical healthcare needs of our region and beyond.

Dr. Barbara Haas
Dean, School of Nursing

Health and Kinesiology

CHAPTERS

Omondi-Ochieng, P., & Njororai Simiyu, W. W. (2020). Recreational Sports for Kenyan Youth: Benefits, Barriers, Solutions. In J. R. Chepyator-Thomson, A. Ojo, K. Sonkeng, & K. Traore (Eds.), *Youth, Globalization, and society in Africa and Its Diaspora* (pp. 256–277). Cambridge Scholars Publishing.

JOURNAL PUBLICATIONS

- Lacasse, D., & Njororai Simiyu, W. W. (2021). Season-long pattern and anatomical distribution of injuries among college soccer players. *Journal of Physical Education and Sport*, 21(2), 115, 927–933. <https://doi.org/10.7752/jpes.2021.02115>
- Montana, J., Naiff Ferreira, G., Figueiredo Cunha, C., Rêgo de Queiroz, A., Andrade Fernandes, W., Isse Polaro, S., Takase Gonçalves, L., Carrara Couto, D., Gir, E., Reis, R., Sorensen, W., & Botelho, E. (2021). The HIV epidemic in Colombia: Spatial and temporal trends analysis. *BMC Public Health*, 21, Article 178. <https://doi.org/10.1186/s12889-021-10196-y>
- Njororai, F., Ganu, D., & Nyaranga, K. C. (2020). Perception of Risk exposure and Occupational Hazards of Community Health Workers in a Rural County of Western Kenya. *Journal of Applied Social Science, Human Development, and Technology*, 1(1), Electronic (2706–9389).
- Njororai Simiyu, W. W. (2021). Players of African descent representing European national football teams: a double-edged sword. *Soccer & Society*, 22(4), 411–428. <https://doi.org/10.1080/14660970.2021.1906539>
- Yu, S., Lowe, T., Griffin, L., & Dong, X. N. (2020). Single Bout of Vibration-induced Hamstrings Fatigue Reduces Quadriceps Inhibition and Coactivation of Knee Muscles after Anterior Cruciate Ligament (ACL) Reconstruction. *Journal of Electromyography and Kinesiology*, 55, 102464. <https://doi.org/10.1016/j.jelekin.2020.102464>

OTHER

- Njororai Simiyu, W. W. (2021). Africa at the Football World Cup: 10 defining moments. *The Conversation*. <https://theconversation.com/africa-at-the-football-world-cup-10-defining-moments-153989>
- Njororai Simiyu, W. W. (2021). For footballers of African descent, playing in Euro 2020 will be a double-edged sword. *The Conversation*. <https://theconversation.com/for-footballers-of-african->

[descent-playing-in-euro-2020-will-be-a-double-edged-sword-158462](#)

PRESENTATIONS

- Bradley, D. M., & Luna, J. (2020, November). Predictive Value of GRE Scores and First Time Pass Rates on the NBCOT Exam. In Texas Occupational Therapy Conference.
- Bradley, D. M., Luna, J., & Garcia, R. (2020, November). Establishing Fidelity in Sim-Based Activities in an Occupational Therapy Program. In Texas Occupational Therapy Conference.
- Bradley, D. M., Luna, J., Garcia, R., & Casas, C. (2020, November). Implementing an Intra-professional Education Model into OT Curricula. In Texas Occupational Therapy Conference.
- Faghihifar, J. A. (2020). IRM presentation to MOT students. Amy Boyd Instructor. In Mary Hardin Baylor University. Mary Hardin Baylor University.
- Faghihifar, J. A. (2020, October). Post Session Communication: A Pilot Study on Parent Expectations. In IRM Unplugged Symposium. Intentional Relationship Model - UIC.
- Faghihifar, J. A. (2020, October). The Utility of Utilizing IRM Principles in the Classroom. In IRM Unplugged Symposium. Intentional Relationship Model - UIC.
- Faghihifar, J. A. (2020, November 5). Intentional Relationship Principals, 11/20. In Texas Occupational Therapy Association Yearly Conference. Texas Occupational Therapy Association.
- Faghihifar, J. A. (2021). IRM presentation to COTA students. In Tyler Junior College April 5 & 7th 2021. Tyler Junior College COTA program.
- Njororai Simiyu, W. W. (2020, October). Fostering Collaborative Problem Solving and other 21st Century Skills in College Students. In Keynote address to The 3rd International (Virtual) Conference on Research and Innovation in Education, University of Nairobi, Kenya. University of Nairobi.
- Njororai Simiyu, W. W. (2021, January 12). The role of girls’ education and sport in international development. In Keynote Panelist during the McGill University’s International Development Week #RALLY4GIRLSED. McGill University’s Chapter of Right To Play.
- Njororai Simiyu, W. W. (2021, January 19). Key principles on how the best University Lecturers conduct their classes. In Keynote presentation to the 50th

Health and Kinesiology (Continued)

- Anniversary Celebration for College of Education and External Studies, University of Nairobi, Kenya. University of Nairobi.
- Njororai Simiyu, W. W. (2021, March). Nurturing 21st Century skills in Undergraduate Physical Education Students. In Keynote address presented to the 5th International Conference on Sport Science and Physical Education (SSPE 2021), March 26-28. Sport Science and Physical Education (SSPE).
- Njororai Simiyu, W. W. (2021, March). Sport disruption during the Covid-19 Pandemic: Evidence and Reflection from Africa and beyond. In Keynote address to the 2021 Virtual Global Educational Forum. University of Georgia.
- Njororai Simiyu, W. W., Cox, G., & Zhang, T. (2021, April 15). Tips for applying to Graduate School. In Texas Association of Health, Physical Education, Recreation and Dance Webinar College Series. TAHPERD.
- Njororai Simiyu, W. W. (2021, April 22). Organisational Factors Influencing the Development of Football in

- East Africa. In The Africa Football Business Show. The Football Foundation for Africa.
- Njororai Simiyu, W. W. (2021, Spring). Migration destination patterns for East African Association Football Players. Presented to the "African Mobilities: the Means and Modalities of Movement(s) Within and Beyond Africa: SERSAS/SEAN March 12-13, 2021 Virtual Spring Conference" SERSAS/SEAN.
- Njororai Simiyu, W. W. (2021, Spring). Physical Activity and Personal Wellness: Emerging trends in sub-Saharan Africa. In 14th International Multi-disciplinary Virtual Conference, May 19 - 21. Masinde Muliro University of Science and Technology.

GRANTS

- Hebert, J. Fostering Quality of Life in Individuals with Parkinsons Disease through Telehealth Mental Health and Wellness Support Sessions, Parkinson's Foundation (July 1, 2021), USD \$11,450.



School of Nursing

BOOKS

- Rhoads, J., & Petersen, S. W. (2021). *Advanced Health Assessment and Diagnostic Reasoning* (4th ed.). Jones & Bartlett.

JOURNAL PUBLICATIONS

- Abel, W. M., Spikes, T., & Greer, D. B. (2021). A Qualitative Study: Hypertension Stigma Among Black Women. *The Journal of Cardiovascular Nursing*, 36(2), 96-103. <https://doi.org/10.1097/JCN.0000000000000759>
- Bullard, J. S., McAlister, B. S., & Chilton, J. M. (2021). Covid-19 Planning and Postpandemic Partnerships. *NASN School Nurse*, 36(2), 80-84. <https://doi.org/10.1177/1942602X20962213>
- Courville, K. A., Lowe, A., Dannelley, B., Sellers, J., & Deal, B. (2021). Learning-by-Teaching and Service Learning to Promote Bleeding Control Education: An Academic-Community Partnership. *Nurse Educator*. <https://doi.org/10.1097/NNE.0000000000001038>
- Kelly, P. A., Cox, L. A., Petersen, S. F., Gilder, R. E., Blann, A., Autrey, A. E., & MacDonell, K. (2021). The effect of PARO robotic seals for hospitalized patients with dementia: A feasibility study. *Geriatric Nursing*, 42(1), 37-45. <https://doi.org/10.1016/j.gerinurse.2020.11.003>
- Edwards-Maddox, S., Cartwright, A., Quintana, D., & Contreras, J. A. (2021). Applying Newman's Theory of Health Expansion to Bridge the Gap Between Nursing Faculty and Generation Z. *Journal of Professional Nursing*, 37(3), 541-543. <https://doi.org/10.1016/j.profnurs.2021.02.002>
- Gipson, C. S., Delello, J. A., & McWhorter, R. R. (2021). Engaging Nursing Students and Older Adults through Service-Learning. *Working with Older People*, 25(1), 84-93. <https://doi.org/10.1108/WWOP-10-2020-0053>
- Gunawan, J., Aunguroch, Y., Fisher, M. L., McDaniel, A. M., & Marzilli, C. (2020). Managerial Competence of First-Line Nurse Managers in Public Hospitals in Indonesia. *Journal of Multidisciplinary Healthcare*, 13, 1017-1025. <https://doi.org/10.2147/JMDH.S269150>
- Gunawan, J., Aunguroch, Y., Marzilli, C., Fisher, M. L., Nazliansyah, & Sukarna, A. (2021). A phenomenological study of the lived experience of nurses in the battle of COVID-19. *Nursing Outlook*, 69(4), 652-659. <https://doi.org/10.1016/j.outlook.2021.01.020>
- Hermanns, M. (2020). A Recipe for Success. *Research and Theory for Nursing Practice*, 34(2), 83-84. <https://doi.org/10.1891/RTNP-D-20-00015>
- Hermanns, M., & Parker, C. D. (2020). Collaboration Tools to Enhance Faculty Productivity: Which One is Right for Your Team? *Research and Theory for Nursing Practice*, 34(4), 289-292. <https://doi.org/10.1891/RTNP-D-20-00110>
- Hermanns, M., Mastel-Smith, B., Donnell, R., Quarles, A., Rodriguez, M., & Wang, T. (2021). Counterpunching to Improve the Health of People with Parkinson's Disease. *Journal of the American Association of Nurse Practitioners*, 33(12), 1230-1239. <https://doi.org/10.1097/JXX.0000000000000598>
- Jones, K., McAlister, B. S., Haas, B. K., & Duke, G. (2021). Experiences of African American Mothers Following the Death of Their Infants. *Nursing for Women's Health*, 25(6), 412-421. <https://doi.org/10.1016/j.nwh.2021.09.004>
- Kimzey, M., Patterson, J., & Mastel-Smith, B. (2021). Effects of simulation on nursing students' dementia knowledge and empathy: A mixed method study. *Issues in Mental Health Nursing*, 42(3), 274-279. <https://doi.org/10.1080/01612840.2020.1797252>
- Leming, J., Haas, B. K., Hermanns, M., & Connor, D. (2020). The Effect of My Health Companion® on Self-Management and Quality of Life in Persons with End-Stage Renal Disease: A Multiple Case Study Approach. *CANNT Journal*, 30(3), 12-20.
- McInnis, A., Root, K., Rizer, C., & Bradley, D. (2021). Diagnosing a Crisis: The Conundrum of Alpha-Gal. *The Journal for Nurse Practitioners*, 17(9), 1081-1084. <https://doi.org/10.1016/j.nurpra.2021.05.022>
- McInnis, A., Schlemmer, T., & Chapman, B. (2021). The Significance of the NP Preceptorship Shortage. *The Online Journal of Issues in Nursing*, 26(1), Manuscript 5. <https://doi.org/10.3912/OJIN.Vol26No01Man05>
- Montalvo-Liendo, N., Grogan-Kaylor, A., Nava, A., Chilton, J., Pepper, C., & Alvarado, E. D. (2021). Latinx Teens' Perspectives on Exposure to Intimate Partner Violence. *Journal of Pediatric Surgical Nursing*, 10(3), 114-121. <https://doi.org/10.1097/JPS.0000000000000326>
- Page, R. L., Montalvo-Liendo, N., Nava, A., & Chilton, J. (2021). 'Now My Eyes are Open': Latina Women's Experiences in Long-Term Support Groups for Intimate Partner Violence Survivors. *International Journal of Mental Health Nursing*, 30(3), 715-723. <https://doi.org/10.1111/inm.12840>

Parker, C. D. (2020). Rapid Response: Sharing Informatics Knowledge and Processes. *CIN: Computers, Informatics, Nursing*, 38(10), 483. <https://doi.org/10.1097/CIN.0000000000000680>

Parkman, S., Mastel-Smith, B., McGuire, A., & Duke, G. (2021). Insights to Identifying and Managing Pain in Persons with Dementia in Long-Term Care: A Mixed Methods Study Comparing the Abbey Pain Scale and Pain Assessment in Advanced Dementia Scale. *Journal of Gerontological Nursing*, 47(2), 21-30. <https://doi.org/10.3928/00989134-20210113-01>

Preston, A. J. (2021). The Art and Science of Nursing are Not Mutually Exclusive. *Nursing Science Quarterly*, 34(3), 336-337. <https://doi.org/10.1177/08943184211010457>

Preston, A. J., & Rew, L. (2021). Connectedness, self-esteem, and prosocial behaviors protect adolescent mental health following social isolation: A systematic review. *Issues in Mental Health Nursing*, 43(1), 32-41. <https://doi.org/10.1080/01612840.2021.1948642>

Schuler, M. S., Letourneau, R., Altmiller, G., Deal, B., Vottero, B. A., Boyd, T., Ebersole, N. W., Flexner, R., Jordan, J., Jowell, V., McQuiston, L., Norris, T., Risetter, M. J., Szymanski, K., & Walker, D. (2021). Leadership, Teamwork, and Collaboration: The Lived Experience of Conducting Multisite Research Focused on Quality and Safety Education for Nurses Competencies in Academia. *Nursing Education Perspectives*, 42(2), 74-80. <https://doi.org/10.1097/01.NEP.0000000000000725>

Willis, K., Tuell, C., & Marzilli, C. (2020). Exploring Digital Health Promotion and Education in East Texas: Pathways to Improving Access. *Journal of Health Education Teaching*, 11(1), 43-55.

Willis, K., & Marzilli, C. (2021). Conceptualizing Narrative Health and Medicine to Develop Cultural Competence to Improve Communication During the COVID-19 Pandemic. *Advances in Social Sciences Research Journal*, 8(1), 32-36. <https://doi.org/10.14738/assrj.81.9577>

Willis, K., & Marzilli, C. (2021). Social determinants or non-medical factors affecting health. *IOSR Journal of Dental and Medical Sciences*, 20(1), 45-59. [https://www.iosrjournals.org/iosr-jdms/pages/20\(1\)Series-8.html](https://www.iosrjournals.org/iosr-jdms/pages/20(1)Series-8.html)

OTHER

Marzilli, C. (2020). Unconscious Bias: What Nurses Need to Know. *Texas Nurses Association Check Up*.

POSTER PRESENTATIONS

Abel, W. M., Spikes, T., & Greer, D. B. (2021). Hypertension Stigma Among Black Women. In 2021 Annual Conference SNRS 35th Annual Conference - Virtual Conference Humanizing Care through Technology and Interdisciplinary Collaboration February 24-25, 2021. The Southern Nursing Research Society.

Cartwright, A. (2021, August). Applying Newman's Theory of Health Expansion to Bridge the Gap Between Nursing Faculty and Generation Z. In NurseTim Nuts and Bolts for Nurse Educators National Conference.

Cortez Pedroza, A., Gipson, C. (Christy) S., & Higbee, M. (2020, November). The Caffeine Consumption Habits, Sleep, and Perceived Stress of Nursing Students. In National Collegiate Honors Council Annual Conference (NCHC20). National Collegiate Honors Council (NCHC).

Cottrell, D. B., Mastel-Smith, B., & Atchison, P. T. (2021, March). Disclosure of Sexual and/or Gender Minority Status to Healthcare Providers: The Provider Perspectives. In LGBTQ Healthcare Conference. Indiana University School of Medicine.

Courville, K. A., & Haas, B. K. (2020, December). An innovative approach to integrating the 3Ps creates a win-win for MSN-Education students and faculty. In AACN Fall Forum 2020 - Virtual Posters. AACN - American Association of Colleges of Nursing.

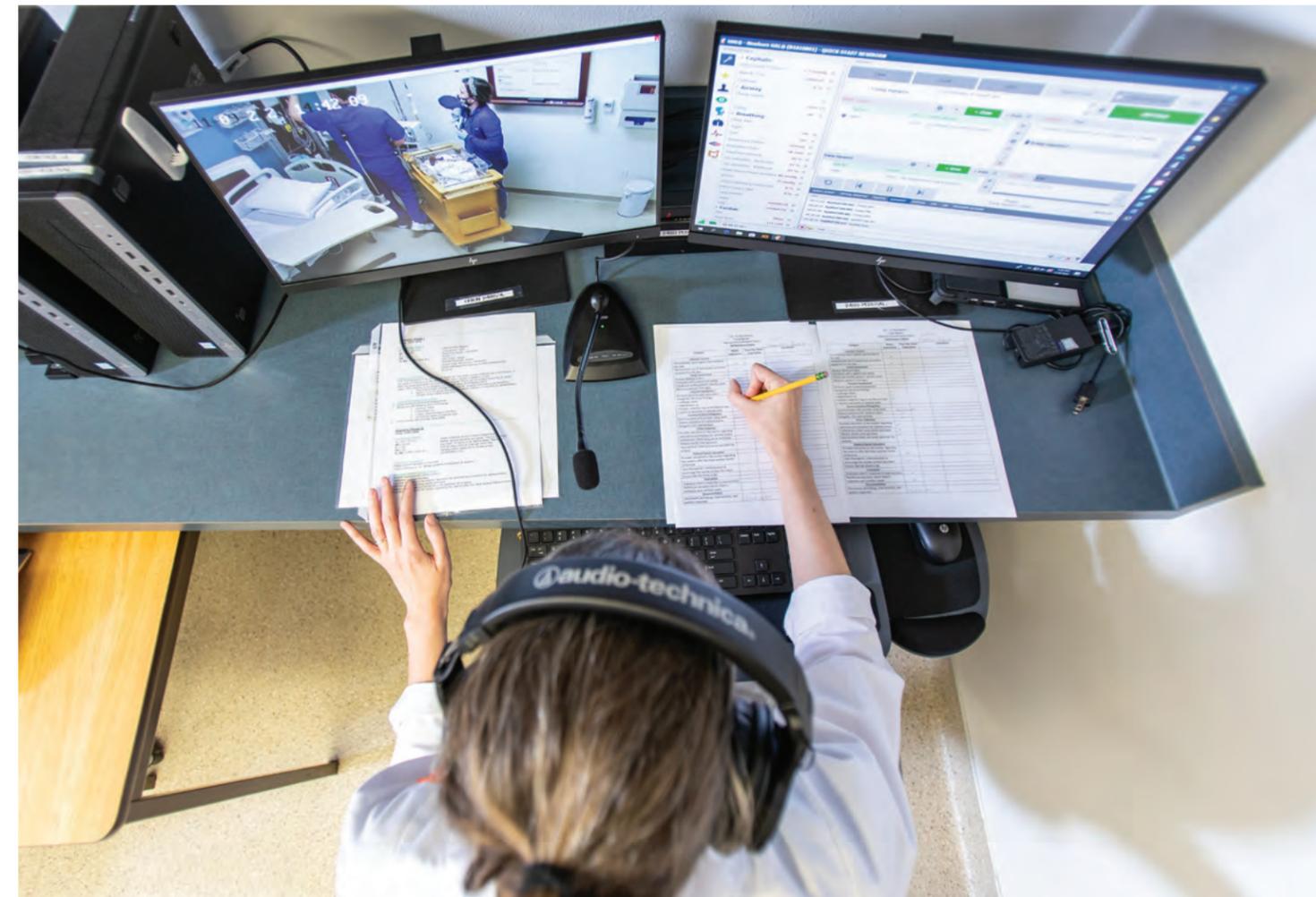
Courville, K. A., Deal, B. J., & Lowe, A. (2021, Spring). Stop the Bleed Population Health Clinical Assignment Spring 2020. In 2020 QSEN International Forum. QSEN - Quality and Safety in Nursing Education.

Courville, K. A., Deal, B. J., & Lowe, A. (2021, Spring). The response readiness tool: An instrument to measure knowledge, skills, and attitudes after taking a Stop the Bleed class. In 2020 QSEN International Forum. QSEN - Quality and Safety in Nursing Education.

Fong, K., Mastel-Smith, B., & Hermanns, M. (2021, March). "There's Nothing Wrong with You": Associated & Structural Stigma Related to Parkinson's Disease. In Great Plains Honors Council (GPHC) conference. Midwestern State University.

Marzilli, C. (2021, February). Cultural Competence Education to Improve Nursing Students' Competence. In Creating Healthy Work Environments VIRTUAL 2021. Sigma Theta Tau International Honor Society for Nursing.

Marzilli, C., & Willis, K. (2021, March). Cultural Competence to Improve Healthcare Professionals' Cultural Competence. In 2021 Virtual NAP Forum. National Academies of Practice.



PRESENTATIONS

Parker, C. D. (2020, Autumn). Re-envisioning the Supervised Learning Experience for MSN Informatics Program. In 2020 ANCC Fall Faculty Forum. American Association of Colleges of Nursing.

Preston, A. (2021, February). The association of protective factors and social isolation among youth. In St. David's Annual CHPR Conference. St. David's Hospital System & CHPR. https://nursing.utexas.edu/sites/default/files/CHPR_PrestonA.pdf

Preston, A. (2021, April). Rural Community Engagement Project in Healthcare Education. In 3rd Annual Interprofessional Health Showcase. UT Austin IPE Center.

Preston, A. (2021, June). HoMETx: A population health focused clinical experience. In Annual Institute: Advocacy in Community/Public Health Nursing, Policy, Education, and Research Virtual Conference. Association of Community Health Nurse Educators (ACHNE).

Allert, S., Batton, N., Anthony, C., Chilton, J., & Gehring, J. (2020, October). Relationship of Type of Sex Education on Sexual Behavior and Perceptions of Shame and Guilt in Young Adults. In 55th Annual Conference National Collegiate Honors Council (NCHC). National Collegiate Honors Council.

Amaya, M., Brauer, N., Edwards, J., & Gipson, C. S. (2021, June). Key Strategies to Build and Sustain a Culture and Environment of Wellbeing. In ACHA Virtual: Building Thriving and Inclusive Communities. American College Health Association. <https://education.acha.org/products/r22-key-strategies-to-build-and-sustain-a-culture-and-environment-of-wellbeing>

Barnes, G. A. (2021, March). Survival Loadouts. In Wilderness Medicine Student Group Meeting for UT Tyler and Texas A&M. Wilderness Medicine Student Group at UT Tyler.

Barnes, G. A. (2021, March). Survival Theory Model. In UT Tyler and Texas A&M Wilderness medicine

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- Meeting. Wilderness Medicine Student Interest Group at UT Tyler.
- Barnes, G. A. (2021, April). Fieldcraft and Survival Series: Theory Model. In Yale University Wild Med Wednesday April 2021. Yale University Wilderness Medicine Society Student Interest Group.
- Barnes, G. A. (2021, June). Basic Fieldcraft and Survival Series: Shelter. In Yale University Monthly International Wilderness Medicine Student group. Yale University.
- Barnes, G. A. (2021, August). Basic Fieldcraft and Survival Series: Fire. In Yale University Wild Med Wednesday Aug 2021. Yale University.
- Barnes, G. A. (2021, August). Prolonged Field Care. In WMS SIG Yale University. Yale University Wilderness Medicine Society Student Interest Group.
- Courville, K. A., Deal, B. J., & Lowe, A. (2021, January 1-June 30). Stop the Bleed/Population Health Clinical Assignment. In 2020 QSEN International Forum. QSEN - Quality and Safety in Nursing Education.
- Courville, K. A., Lowe, A., & Deal, B. J. (2021, January 1-June 30). The response readiness tool: An instrument to measure knowledge, skills, and attitudes after taking a Stop the Bleed class. In 2020 QSEN International Forum. QSEN - Quality and Safety in Nursing Education.
- Heagele, T., Adams, L., McNeill, C., & Alfred, D. (2021, April). Introducing the Household Emergency Preparedness Instrument, A Replicable Assessment of Preparedness Levels. In The 2021 Preparedness Summit (Virtual Conference). National Association of County and City Health Officials.
- Jowell, V. L. (2021, April). Systems Thinking to Improve patient outcomes through RN to BSN Improvement Projects in Academic-Clinical partnerships. 2020 QSEN International Forum. QSEN - Quality and Safety in Nursing Education.
- Marzilli, C., Brooks, A. M., Tuitt, K., & LaMontagne, K. (2020, Autumn). Work Life Balance. In Global Healthcare Leadership Summit. Lead4Excellence.
- Marzilli, C. (2021, January). Implicit Bias: What Every Nurse Needs to Know. In Texas Nurses Association Nurse Talks. Texas Nurses Association.
- Marzilli, C. (2021, May). Implicit Bias in Nursing: Improving Patient Outcomes. In 9th Annual International Conference on Health & Medical Sciences 3-6 May 2021, Athens, Greece. Athens Institute for Education and Research.

- Miller, C. L. (2020, October). Human Trafficking for the Health Care Provider. In University of Louisiana Continuing Education Offering. University of Louisiana College of Nursing.
- Parker PhD, RN-BC, CNE, C. D. (2020, September). Informatics Nurses: We are here, there, and everywhere. In Nursing Community Coalition. American Association of Colleges of Nursing (AACN).
- Parker, C. D. (2020, November). Modern day Nurse MacGyvers: Transforming healthcare through technological and clinical innovation. In Nursing 2020 and beyond: Challenges and Opportunities. National Association of Indian Nurses of America (NAINA).
- Parker, C. D. (2020, November). Staying Relevant and Employable in Nursing While Enjoying Your Career. In UT Arlington Student Nurses Association Meeting. UT Arlington Student Nurses Association.
- Willis, K., & Marzilli, C. (2020, Autumn). Health, Hope, and Healing: Leveraging the Strength of Cultural Competence to Find a Way Forward. In Methodist Cares Program. Methodist Cares Program.

PROCEEDINGS PUBLICATIONS

- Lowe, A., & Marzilli, C. (2021, February). TNA Virtual Legislative Panel. Texas Nurses Association Nurses Day at the Capitol.

GRANTS

- Deal, B. Bring Back the Monarchs to Texas: Braithwaite School of Nursing Garden Project, Native Plant Society of Texas (March 1, 2021), USD \$400.
- Howard, S. Longview University Center Monarch Butterfly Garden Project, Native Plant Society of Texas (March 1, 2021), USD \$400.
- Marzilli, C. Supporting Clinical Learning Experiences to Mitigate Impediments due to COVID-19, Texas Higher Education Coordinating Board (November 2, 2020), USD \$200,000.
- Miller, C. United Nations: Research on Human Trafficking, United Nations (January 1, 2021), USD \$20,000.



School of Medical Biological Sciences

The School of Medical Biological Sciences (SMBS) at the UT Tyler Health Science Center strives to help students achieve excellence in science, utilizing creative traditional and nontraditional instructional methods, state-of-the-art technology, and innovative research.

The SMBS consists of two departments and 26 faculty members. Our highly skilled teams of scientists focus on acute, chronic and infectious lung diseases, thoracic malignancies, and immunologic problems, while continuing to develop new knowledge and therapies to improve human health.

We are also involved in training the next generation of scientists through our highly successful Master of Science in Biotechnology graduate program. The biotechnology program consists of research and teaching faculty with MD and/or PhD degrees, performing nationally-recognized and extramurally funded biomedical research in competitive and relevant fields. All faculty use a variety of biotechnology techniques in their labs to eagerly teach, guide, challenge, and support our students.

As part of the biotechnology program, students are encouraged to present their research alongside their faculty mentors at professional conferences, both nationally and internationally. Students are also included on publications in peer-reviewed journals. In the last year, the faculty had more than 20 publications, many of which included student contributions.

In summary, SMBS faculty and staff work to provide a comprehensive research graduate program, while pursuing excellence in their contributions to medical research.

Dr. Torry Tucker
Associate Dean for Research, School of Medicine

Department of Cellular and Molecular Biology

ABSTRACTS

- Choo, Y.-Y., Sakai, T., Ikebe, R., Jeffers, A., Idell, S., Tucker, T.A., and Ikebe, M. (2021) Calponin 1 Promotes Myofibroblast Differentiation of Human Pleural Mesothelial Cells During Mesothelial Mesenchymal Transition. *Am. J. Respir. Crit. Care Med.* 203, A4420. <https://doi.org/10.1152/ajplung.00289.2021>
- Florova, G., Emerine, R., Declerck, P. J., Idell, S., and Komissarov, A. (2021). FPA96F: Evaluating the effect of anti-PAI-1 mabs on fibrinolysis induced by TPA and UPA in the presence of pai-1 in vitro and ex vivo. *American Journal of Respiratory and Critical Care Medicine*, 203. https://doi.org/10.1164/ajrccm-conference.2021.203.1_meetingabstracts.a4246
- Florova, G., Girard R., Azghani, A.O., Sarva, K., DeVera, C.J., Morris, D.E., Buchanan, A., Tvinnereim, A., Idell, S., and Komissarov, A. (2021). A2417: Targeting the Plasminogen Activator Inhibitor 1 Mechanism for Treatment of Advanced Empyema in Rabbits. *American Journal of Respiratory and Critical Care Medicine*, 203. https://doi.org/10.1164/ajrccm-conference.2021.203.1_MeetingAbstracts.A2417
- Florova, G., Klegerman, M., Idell, S., Komissarov, A., and McPherson, D.D. (2021) TP46. TP046 Plasminogen Activators Encapsulated in Fibrin-Targeted Echogenic Liposomes and “Molecular Cage” Type Complexes as a Novel Approach to Treat Infectious Pleural Injury. May 1, 2021, A2419-A2419 https://doi.org/10.1164/ajrccm-conference.2021.203.1_MeetingAbstracts.A2419
- Qian G., Adeyanju O., Roy S., Sunil C., Guo X., Ikebe M., Idell S., and Tucker T.A. (2021). Deducator of cytokinesis 2 promotes pleural fibrosis by modulating TGF- induced mesothelial to mesenchymal transition. *American Journal of Respiratory and Critical Care Medicine* 2021;203: A4658. https://doi.org/10.1164/ajrccm-conference.2021.203.1_MeetingAbstracts.A4658
- Tiwari, P., Yang, S., Lee, K., Sato, O., Ikebe, M., Padron, R., Craig, R. Near-Atomic Structure of the 10S form of Myosin II: Implications for Inhibition, Activation and Disease. (2021) *Biophysical Journal* 120(3), 344a-345a. <https://doi.org/10.1016/j.bpj.2020.11.2147>
- N.V. (2021). A novel protein signature from plasma extracellular vesicles for non-invasive differential diagnosis of idiopathic pulmonary fibrosis. *medRxiv*. <https://doi.org/10.1101/2021.05.07.21256811>
- Ali, G., Zhang, M., Zhao, R., Jain, K.G., Chang, J., Komatsu, S., Zhou, B., Liang, J., Matthay, M.A., Ji, H.L. (2021). Fibrinolytic niche is required for alveolar type 2 cell-mediated alveologenesis via a uPA-A6-CD44+-ENaC signal cascade. *Signal Transduct Target Ther.* 6(1):97. <https://doi.org/10.1038/s41392-021-00511-9>
- Ansari, S.A., Keshava, S., Pendurthi, U.R., and Rao, L.V.M. (2021). Oxidative stress product, 4-hydroxy-2-nonenal, induces the release of tissue factor-positive microvesicles from perivascular cells into circulation. *Arteriosclerosis, thrombosis, and vascular biology (ATVB)*, (1):250-265. <https://doi.org/10.1161/ATVBAHA.120.315187>
- Das, K., Keshava, S., Ansari, S.A., Kondreddy, V., Esmon, C.T., Griffin, J.H., Pendurthi, U.R., Rao, L.V.M. (2021). Factor VIIa induces extracellular vesicles from the endothelium: a potential mechanism for its hemostatic effect. *Blood* 137(24): 3428-3442, 2021. <https://doi.org/10.1182/blood.2020008417>
- Florova, G., Girard, R. A., Azghani, A. O., Sarva, K., Buchanan, A., Karandashova, S., DeVera, C. J., Morris, D., Chamiso, M., Koenig, K., Cines, D. B., Idell, S., & Komissarov, A. A. (2021). Precision targeting of the plasminogen activator inhibitor-1 mechanism increases efficacy of fibrinolytic therapy in empyema. *Physiological reports*, 9(9), e14861. <https://doi.org/10.14814/phy2.14861>
- Hao, Q., Idell, S., & Tang, H. (2021). M1 Macrophages Are More Susceptible to Necroptosis. *Journal of cellular immunology*, 3(2), 97-102. <https://doi.org/10.33696/jimmunology.3.084>
- Hao, Q., Kundu, S., Kleam, J., Zhao, Z. J., Idell, S., & Tang, H. (2021). Enhanced RIPK3 kinase activity-dependent lytic cell death in M1 but not M2 macrophages. *Molecular immunology*, 129, 86-93. <https://doi.org/10.1016/j.molimm.2020.11.001>
- Ji, H. L., Wagener, B. M., Ness, T. J., & Zhao, R. (2021). Fibrinolytic or anti-plasmin (nafamostat) therapy for COVID-19: A timing challenge for clinicians. *Pulmonary pharmacology & therapeutics*, 70, 102055. <https://doi.org/10.1016/j.pupt.2021.102055>
- Keshava, S., Magisetty, J., Tucker, T. A., Kujur, W., Mulik, S., Esmon, C. T., Idell, S., Rao, L., & Pendurthi, U. R. (2021). Endothelial Cell Protein C Receptor Deficiency Attenuates Streptococcus pneumoniae-induced Pleural Fibrosis. *American journal of*

Department of Cellular and Molecular Biology (Continued)

- respiratory cell and molecular biology, 64(4), 477-491. <https://doi.org/10.1165/rcmb.2020-0328OC>
- Kondreddy, V., Keshava, S., Esmon, C. T., Pendurthi, U. R., & Rao, L. (2020). A critical role of endothelial cell protein C receptor in the intestinal homeostasis in experimental colitis. *Scientific reports*, 10(1), 20569. <https://doi.org/10.1038/s41598-020-77502-3>
- Kondreddy, V., Magisetty, J., Keshava, S., Rao, L., & Pendurthi, U. R. (2021). Gab2 (Grb2-Associated Binder2) Plays a Crucial Role in Inflammatory Signaling and Endothelial Dysfunction. *Arteriosclerosis, thrombosis, and vascular biology*, 41(6), 1987-2005. <https://doi.org/10.1161/ATVBAHA.121.316153>
- Konduru, N. V., Velasco-Alzate, K., Adduri, S., Zagorovsky, K., Diaz-Diestra, D., Fisol, F., Sanches, M., Ndetan, H., Brain, J. D., & Molina, R. M. (2021). Pulmonary fate and consequences of transferrin-functionalized gold nanoparticles. *Nanotheranostics*, 5(3), 309-320. <https://doi.org/10.7150/ntno.47734>
- Kujur, W., Murillo, O., Adduri, R., Vankayalapati, R., Konduru, N. V., & Mulik, S. (2020). Memory like NK cells display stem cell like properties after Zika virus infection. *PLoS pathogens*, 16(12), e1009132. <https://doi.org/10.1371/journal.ppat.1009132>
- Lu, M., Uchil, P. D., Li, W., Zheng, D., Terry, D. S., Gorman, J., Shi, W., Zhang, B., Zhou, T., Ding, S., Gasser, R., Prévost, J., Beaudoin-Bussi eres, G., Anand, S. P., Laumaea, A., Grover, J. R., Liu, L., Ho, D. D., Mascola, J. R., Finzi, A., ... Mothes, W. (2020). Real-Time Conformational Dynamics of SARS-CoV-2 Spikes on Virus Particles. *Cell host & microbe*, 28(6), 880-891. e8. <https://doi.org/10.1016/j.chom.2020.11.001>
- Lu M. (2021). Single-Molecule FRET Imaging of Virus Spike-Host Interactions. *Viruses*, 13(2), 332. <https://doi.org/10.3390/v13020332>
- Meganathan, V., Moyana, R., Natarajan, K., Kujur, W., Kusampudi, S., Mulik, S., & Boggaram, V. (2020). Bacterial extracellular vesicles isolated from organic dust induce neutrophilic inflammation in the lung. *American journal of physiology. Lung cellular and molecular physiology*, 319(6), L893-L907. <https://doi.org/10.1152/ajplung.00107.2020>
- Qin, W., Jeffers, A., Owens, S., Chauhan, P., Komatsu, S., Qian, G., Guo, X., Ikebe, M., Idell, S., & Tucker, T. A. (2021). NOX1 Promotes Mesothelial-Mesenchymal Transition through Modulation of Reactive Oxygen Species-mediated Signaling. *American journal of respiratory cell and molecular biology*, 64(4), 492-503. <https://doi.org/10.1165/rcmb.2020-0077OC>

- Tauzin, A., Nayrac, M., Benlarbi, M., Gong, S. Y., Gasser, R., Beaudoin-Bussi eres, G., Brassard, N., Laumaea, A., V ezina, D., Pr evost, J., Anand, S. P., Bourassa, C., Gendron-Lepage, G., Medjahed, H., Goyette, G., Niessl, J., Tastet, O., Gokool, L., Morrisseau, C., Arlotto, P., ... Finzi, A. (2021). A single BNT162b2 mRNA dose elicits antibodies with Fc-mediated effector functions and boost pre-existing humoral and T cell responses. *bioRxiv : the preprint server for biology*, 2021.03.18.435972. <https://doi.org/10.1101/2021.03.18.435972>
- Tucker, T. A., & Idell, S. (2021). The Contribution of the Urokinase Plasminogen Activator and the Urokinase Receptor to Pleural and Parenchymal Lung Injury and Repair: A Narrative Review. *International journal of molecular sciences*, 22(3), 1437. <https://doi.org/10.3390/ijms22031437>
- Ullah, I., Pr evost, J., Ladinsky, M. S., Stone, H., Lu, M., Anand, S. P., Beaudoin-Bussi eres, G., Symmes, K., Benlarbi, M., Ding, S., Gasser, R., Fink, C., Chen, Y., Tauzin, A., Goyette, G., Bourassa, C., Medjahed, H., Mack, M., Chung, K., Wilen, C. B., ... Uchil, P. D. (2021). Live imaging of SARS-CoV-2 infection in mice reveals that neutralizing antibodies require Fc function for optimal efficacy. *Immunity*, 54(9), 2143-2158.e15. <https://doi.org/10.1016/j.immuni.2021.08.015>
- Wang, D., Lu, Y., Nannapaneni, S., Griffith, C. C., Steuer, C., Qian, G., Wang, X., Chen, Z., Patel, M., El-Deiry, M., Shin, D. M., He, X., Chen, Z. G., & Saba, N. F. (2021). Combinatorial approaches targeting the EGFR family and c-Met in SCCHN. *Oral oncology*, 112, 105074. <https://doi.org/10.1016/j.oraloncology.2020.105074>
- Wang, J., Pendurthi, U. R., Yi, G., & Rao, L. (2021). SARS-CoV-2 infection induces the activation of tissue factor-mediated coagulation via activation of acid sphingomyelinase. *Blood*, 138(4), 344-349. <https://doi.org/10.1182/blood.2021010685>
- Zhao, R., Su, Z., Komissarov, A. A., Liu, S. L., Yi, G., Idell, S., Matthay, M. A., & Ji, H. L. (2021). Associations of D-Dimer on Admission and Clinical Features of COVID-19 Patients: A Systematic Review, Meta-Analysis, and Meta-Regression. *Frontiers in immunology*, 12, 691249. <https://doi.org/10.3389/fimmu.2021.691249>
- Zhao, L., Zhu, L., Oh, Y. T., Qian, G., Chen, Z., & Sun, S. Y. (2021). Rictor, an essential component of mTOR complex 2, undergoes caspase-mediated cleavage during apoptosis induced by multiple stimuli.



Apoptosis: an international journal on programmed cell death, 26(5-6), 338-347. <https://doi.org/10.1007/s10495-021-01676-y>

POSTER PRESENTATIONS

- Fan L., Kumar, A., and Shetty, S. (2020). Caveolin-1-Scaffolding Peptide Attenuates Radiation-Induced Lung Injury. *ATS Journals*. https://doi.org/10.1164/ajrccm-conference.2020.2011_MeetingAbstracts.A6843
- Fan, L., Idell, S., Kumar, A., Ochron, T., Dobbins, J., and Shetty, S. (2021). Amelioration of Radiation-Induced Lung Injury by Caveolin-1-Scaffolding Domain Peptide A. *ATS Journals*. https://www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2021.203.1_MeetingAbstracts.A4374
- Fan L., Kumar A., Radhakrishnan V., and Shetty S. (2021). Impaired Antifibrotic Effect of Pirfenidone, Nintedanib and CSP7 in Mice Lacking p53 or miR-34a in Fibroblasts; Cellular and Molecular Biology, University of Texas Health Science Center at Tyler, Tyler, TX, United States. *Am J Respir Crit Care Med* 2021;203: A4432. https://doi.org/10.1164/ajrccm-conference.2021.203.1_MeetingAbstracts.A4432
- Marudamuthu, M.S., Bhandary, Y.P., Fan, L., Radhakrishnan, V., MacKenzie, B., Maier, E., Shetty,

- S.K., Nagaraja, M.R., Gopu, V., Tiwari, N., Zhang, Y., Watts, A.B., Williams, R.O., Idell, S., Criner, G.J., Bolla, S., Marchetti, N., Shetty, S. (2020). Caveolin-1-derived peptide limits development of pulmonary fibrosis. *Am J Respir Crit Care med*. https://doi.org/10.1164/ajrccm-conference.2020.2011_MeetingAbstracts.A7881
- Venkatesan, S., Fan, L., and Shetty, S. (2021). Regulation of Autophagy by Caveolin-1 Scaffolding Domain Peptide 7 (CSP7). *UT Health Science Center at Tyler, Tyler, TX, United States. Am J Respir Crit Care med* 2021;203: A4250. https://doi.org/10.1164/ajrccm-conference.2021.203.1_MeetingAbstracts.A4250

GRANTS

- Das, K. Private Non-Profit (October 8, 2020), USD \$52,000.00.
- Idell, S. National Institutes of Health (July 24, 2019). USD \$123,816.00.
- Komissarov, A. National Institutes of Health (April 1, 2021), USD \$492,378.00.
- Lu, M. Private Non-Profit (June 1, 2021), USD \$80,000.00.
- Shetty, S. National Institutes of Health (February 1, 2021), USD \$244,262.00.
- Shetty, S. National Institutes of Health (December 15, 2020), USD \$460,448.00.

Department of Pulmonary Immunology

CREATIVE WORKS

Kant, S. Early Platforms to Inform Combination Regimen Development, workshop, sponsored by National Center for Advancing Translational Sciences, National Institute of Allergy and Infectious Diseases, and National Cancer Institute. 2021.

JOURNAL PUBLICATIONS

Boorgula, G. D., Jakkula, L., Gumbo, T., Jung, B., & Srivastava, S. (2021). Comparison of Rifamycins for Efficacy Against Mycobacterium avium Complex and Resistance Emergence in the Hollow Fiber Model System. *Frontiers in pharmacology*, 12, 645264. <https://doi.org/10.3389/fphar.2021.645264>

Chapagain, M., Gumbo, T., Heysell, S. K., & Srivastava, S. (2020). Comparison of a Novel Regimen of Rifapentine, Tedizolid, and Minocycline with Standard Regimens for Treatment of Pulmonary Mycobacterium kansasii. *Antimicrobial agents and chemotherapy*, 64(10), e00810-20. <https://doi.org/10.1128/AAC.00810-20>

Crespo, Á. C., Mulik, S., Dotiwala, F., Ansara, J. A., Sen Santara, S., Ingersoll, K., Ovies, C., Junqueira, C., Tilburgs, T., Strominger, J. L., & Lieberman, J. (2020). Decidual NK Cells Transfer Granulysin to Selectively Kill Bacteria in Trophoblasts. *Cell*, 182(5), 1125-1139. e18. <https://doi.org/10.1016/j.cell.2020.07.019>

Dai, L., Jung, B. G., Chen, J., Samten, B., Forrest, J. C., Post, S. R., & Qin, Z. (2021). The potential impacts of early secreted antigenic target of 6kDa of Mycobacterium tuberculosis on KSHV-infected cells. *Journal of medical virology*, 93(6), 4028-4032. <https://doi.org/10.1002/jmv.26291>

Deshpande D, Srivastava S, Gumbo T, Matrin K. Tiger roars: tigecycline pharmacokinetics/ pharmacodynamic [PK/PD] based treatment of pulmonary Mycobacterium avium complex [MAC] disease. *Am J Respir Crit Care Med*. 2020;201: A4349. https://doi.org/10.1164/ajrccm-conference.2020.201.1_MeetingAbstracts.A4349

Devalraju, K. P., Neela, V., Krovvidi, S. S., Vankayalapati, R., & Valluri, V. L. (2021). Defective expansion and function of memory like natural killer cells in HIV+ individuals with latent tuberculosis infection. *PLoS one*, 16(9), e0257185. <https://doi.org/10.1371/journal.pone.0257185>

Devalraju, K. P., Tripathi, D., Neela, V., Paidipally, P., Radhakrishnan, R. K., Singh, K. P., Ansari, M. S., Jaeger, M., Netea-Maier, R. T., Netea, M. G., Park, S., Cheng, S. Y., Valluri, V. L., & Vankayalapati, R. (2021).

Reduced thyroxine production in young household contacts of tuberculosis patients increases active tuberculosis disease risk. *JCI insight*, 6(13), e148271. <https://doi.org/10.1172/jci.insight.148271>

Gumbo, T., Sherman, C. M., Deshpande, D., Alffenaar, J. W., & Srivastava, S. (2021). Mycobacterium tuberculosis sterilizing activity of faropenem, pyrazinamide and linezolid combination and failure to shorten the therapy duration. *International journal of infectious diseases: IJID: official publication of the International Society for Infectious Diseases*, 104, 680-684. <https://doi.org/10.1016/j.ijid.2021.01.062>

Ji, H. J., Su, Z., Zhao, R., Komissarov, A. A., Yi, G., Liu, S. L., Idell, S., & Matthay, M. A. (2020). Insufficient hyperfibrinolysis in COVID-19: a systematic review of thrombolysis based on meta-analysis and meta-regression. *medRxiv: the preprint server for health sciences*, 2020.09.07.20190165. <https://doi.org/10.1101/2020.09.07.20190165>

Jung B, Vankayalapati R, and Samten B. Mycobacterium tuberculosis stimulates IL-1 production by macrophages in an ESAT-6 dependent manner with the involvement of serum amyloid A3. *Molecular Immunology*. 135:285-293, 2021. <https://doi.org/10.1016/j.molimm.2021.04.022>

Keshava, S., Magisetty, J., Tucker, T. A., Kujur, W., Mulik, S., Esmon, C. T., Idell, S., Rao, L., & Pendurthi, U. R. (2021). Endothelial Cell Protein C Receptor Deficiency Attenuates Streptococcus pneumoniae-induced Pleural Fibrosis. *American journal of respiratory cell and molecular biology*, 64(4), 477-491. <https://doi.org/10.1165/rcmb.2020-0328OC>

Kujur, W., Murillo, O., Adduri, R., Vankayalapati, R., Konduru, N. V., & Mulik, S. (2020). Memory like NK cells display stem cell like properties after Zika virus infection. *PLoS pathogens*, 16(12), e1009132. <https://doi.org/10.1371/journal.ppat.1009132>

Mallikaarjun, S., Chapagain, M. L., Sasaki, T., Hariguchi, N., Deshpande, D., Srivastava, S., Berg, A., Hirota, K., Inoue, Y., Matsumoto, M., Hafkin, J., Geiter, L., Wang, X., Gumbo, T., & Liu, Y. (2020). Cumulative Fraction of Response for Once- and Twice-Daily Delamanid in Patients with Pulmonary Multidrug-Resistant Tuberculosis. *Antimicrobial agents and chemotherapy*, 65(1), e01207-20. <https://doi.org/10.1128/AAC.01207-20>

Meganathan, V., Moyana, R., Natarajan, K., Kujur, W., Kusampudi, S., Mulik, S., & Boggaram, V. (2020). Bacterial extracellular vesicles isolated from organic dust induce neutrophilic inflammation in the lung.

American journal of physiology. Lung cellular and molecular physiology, 319(6), L893-L907. <https://doi.org/10.1152/ajplung.00107.2020>

Saha, K., Sontheimer, E.J., Brooks, P.J. et al. The NIH Somatic Cell Genome Editing program. *Nature* 592, 195-204 (2021). <https://doi.org/10.1038/s41586-021-03191-1>

Srivastava, S., Cirrincione, K., Deshpande, D., & Gumbo, T. (2020). Tedizolid, Faropenem, and Moxifloxacin Combination With Potential Activity Against Nonreplicating Mycobacterium tuberculosis. *Frontiers in Pharmacology*, 11, 616294. <https://doi.org/10.3389/fphar.2020.616294>

Srivastava, S., Chapagain, M., van Zyl, J., Deshpande, D., & Gumbo, T. (2021). Potency of vancomycin against Mycobacterium tuberculosis in the hollow fiber system model. *Journal of global antimicrobial resistance*, 24, 403-410. <https://doi.org/10.1016/j.jgar.2021.01.005>

Srivastava, S., & Gumbo, T. (2021). Therapeutic drug monitoring and fluoroquinolones for multidrug-resistant tuberculosis. *The European respiratory journal*, 57(4), 2004454. <https://doi.org/10.1183/13993003.04454-2020>

Srivastava, S., Gumbo, T., & Thomas, T. (2021). Repurposing Cefazolin-Avibactam for the Treatment of Drug Resistant Mycobacterium tuberculosis. *Frontiers in pharmacology*, 12, 776969. <https://doi.org/10.3389/fphar.2021.776969>

Srivastava, S., Thomas, T., Howe, D., Malinga, L., Raj, P., Alffenaar, J. W., & Gumbo, T. (2021). Cefdinir and -Lactamase Inhibitor Independent Efficacy Against Mycobacterium tuberculosis. *Frontiers in pharmacology*, 12, 677005. <https://doi.org/10.3389/fphar.2021.677005>

Srivastava, S., van Zyl, J., Cirrincione, K., Martin, K., Thomas, T., Deshpande, D., Alffenaar, J. W., Seddon, J. A., & Gumbo, T. (2020). Evaluation of Ceftriaxone Plus Avibactam in an Intracellular Hollow Fiber Model of Tuberculosis: Implications for the Treatment of Disseminated and Meningeal Tuberculosis in Children. *The Pediatric infectious disease journal*, 39(12), 1092-1100. <https://doi.org/10.1097/INF.0000000000002857>

Srivastava, S., Wang, J. Y., Magombedze, G., Chapagain, M., Huang, H. L., Deshpande, D., Heysell, S. K., Pasipanodya, J. G., & Gumbo, T. (2021). Nouveau short-course therapy and morphism mapping for clinical pulmonary Mycobacterium kansasii. *Antimicrobial agents and chemotherapy*, 65(5),

e01553-20. Advance online publication. <https://doi.org/10.1128/AAC.01553-20>

Tripathi D, Yi G, Vankayalapati R. COVID-19: an update on vaccine development. *Indian Journal of Rheumatology*. 2021 January; 15(2):70. doi: 10.4103/0973-3698.285394

Wang, J., Pendurthi, U. R., Yi, G., & Rao, L. (2021). SARS-CoV-2 infection induces the activation of tissue factor-mediated coagulation via activation of acid sphingomyelinase. *Blood*, 138(4), 344-349. <https://doi.org/10.1182/blood.2021010685>

Xu, X., Petersen, S., Rodriguez, C., & Yi, G. (2021). VISTA facilitates phagocytic clearance of HIV infected CEM-SS T cells. *Heliyon*, 7(7), e07496. <https://doi.org/10.1016/j.heliyon.2021.e07496>

Zhao, R., Su, Z., Komissarov, A. A., Liu, S. L., Yi, G., Idell, S., Matthay, M. A., & Ji, H. L. (2021). Associations of D-Dimer on Admission and Clinical Features of COVID-19 Patients: A Systematic Review, Meta-Analysis, and Meta-Regression. *Frontiers in immunology*, 12, 691249. <https://doi.org/10.3389/fimmu.2021.691249>

PRESENTATIONS

Deshpande D., Srivastava S., Gumbo T., Matrin K. Tiger roars: tigecycline pharmacokinetics/ pharmacodynamic [PK/PD] based treatment of pulmonary Mycobacterium avium complex [MAC] disease. *ATS International Conference 2020*.

Magazi, B. T., Srivastava, S., Bush, S. J., Raj, P., Pasipanodya, J., Wakeland, E., Gumbo T. Interactions of promiscuous promoters, efflux pumps, and target mutations in rifampin-resistant Mycobacterium tuberculosis. *World Microbe Forum*, 2021.

Moreira, J.D., Vankayalapati R., Samten, B. Histone deacetylase-1 controls IL-1 production through the regulation of NLRP3 expression and activation in tuberculosis infection (99.11 99.11), 2021 AAI Annual Meeting.

Soyemi, O.O, Dornelas, J., Samten, M. and B. Suppression of T-cell Immune responses by Neutrophils in a direct contact manner (96.03 96.03 206) 2021 AAI Annual Meeting.

Srivastava, S., Chapagain, M., Gumbo, T. Effect of specimen processing, growth supplement, and different metabolic population of Mycobacterium tuberculosis laboratory diagnosis. *ATS International Conference*, 2020.

Department of Pulmonary Immunology (Continued)

- Srivastava, S., Magombedze, G., Chapagain, M., Heysell, S. K., Gumbo, T. The novel regimen of rifapentine, tedizolid, and minocycline is potent and could shorten therapy duration for pulmonary *Mycobacterium kansasii*. ATS International Conference, 2020.
- Srivastava, S., Thomas, T., Gumbo, T. Combination of ceftazolin-avibactam with potential efficacy against drug resistant *Mycobacterium tuberculosis*. ASM World Microbe Forum, 2021.
- Srivastava, S., Wang, J.Y., Huang, H-L., Boorgula, G. D., Gumbo, T., Raj, P., Arana, C. Pharmacokinetics/pharmacodynamics of isoniazid and optimal dose for treatment of *Mycobacterium kansasii* pulmonary disease. World Microbe Forum, 2021.
- Tripathi, D. Alcohol Induces Dysbiosis & Type 1 Interferon- α Production in Mice Infected with *Mycobacterium Tuberculosis*. 11 February 2021. RePORT India Annual Meeting.
- Tripathi, D. A Rho GDP Dissociation Inhibitor Produced by Apoptotic T-Cells Inhibits Growth of *Mycobacterium tuberculosis*. 26 May 2021. RePORT India Basic Science Meeting.
- Yang F., Yang, B., Patel, S., Jakkula, L., Yi, G. T cell targeted Gene Editing in vivo in Ai9 Tg Mouse Model. NIH SCGE Consortium conference. 3 December 2020.

GRANTS

- Kant, S. National Institutes of Health, (September 1, 2020), USD \$224,742.00.
- Yi, G. National Institutes of Health (August 20, 2019), USD \$687,900.00.



School of Community & Rural Health

The School of Community and Rural Health (SCRH) at the UT Tyler Health Science Center was formed in September 2016 to address needs of the rural community by educating new professionals in the areas of public health, rural health, and the occupational health of the agricultural workforce.

The strategic goals of the SCRH include (1) advance the quality of population health outcomes, (2) educate the future community and rural health workforce, (3) build a network of collaborators, and (4) enhance the teaching and research infrastructure.

In September 2021, the Department of Health and Kinesiology was temporarily placed within the school, pending a task force recommendation to combine all school elements into a new college in the next year.

In May 2019, the SCRH moved into its new academic building, which includes a café, teaching kitchen, state-of-the-art classrooms, instruction and project suites, student collaboration and study pods, and a multiproduction and virtual reality suite for recording video and audio for training and healthy message and instructional content.

The new academic building is a premier space for student and faculty engagement and team-based learning. The school houses the Occupational Health Residency Program, Center for Population Health and Quality Advancement, Area Health Education Center, Southwest Center for Agricultural Health, Injury Prevention and Education, and two graduate degree programs, the Master of Public Health and the Master of Health Administration.

Our faculty are an interdisciplinary group of physicians, scholars, researchers, and lawyers who are all focused on improving the health of East Texas. These faculty are healthcare leaders and provide students a unique opportunity to learn from individuals who are still practicing in their field of expertise.

The graduate programs focus on students having real-time applicability of concepts and transitioning upon graduation as an immediate contributor to the advancement of health delivery systems. The inaugural class of public health students graduated in 2019 with a Master of Public Health degree. As new public health and health administration students matriculate through the program, the SCRH seeks to build on its goal to improve the health outcomes of East Texas residents. The Health and Kinesiology Department brings a rich portfolio of degree programs and undergraduate and graduate students into the school as well.

All faculty are engaged in several community initiatives that serve to address the health disparities in rural East Texas, such as the Northeast Texas Collective Impact, Smith County Behavioral Health Leadership Team, and Nurse Family Partnership. As the SCRH matures and evolves into a new college in the near future, student enrollment and extramural funding will continue to increase steadily and proportionately.

The SCRH met its student enrollment targets for 2020 and 2021. With over \$15.5 million in total external funding, the SCRH continues its work to improve health outcomes in the areas of colon cancer screening, hypertension, smoking cessation, and diabetes. New research initiatives around the COVID-19 pandemic and occupational health with plans for various publications continue, given the pandemic's two year history.

The broad combination of the activities that are part of the SCRH has helped to enhance the student learning experience, foster faculty development, and build a successful new school. Students continue to pursue academic excellence in their field of study, while faculty and staff work consistently to expand the breadth of published scholarly activity and increase external funding. The faculty and staff of the SCRH make a tremendous difference in their effort to discover, innovate, teach, and engage with the community to improve health in our region.

Dr. Gerald (Jerry) Ledlow
Dean, School of Community & Rural Health

School of Community and Rural Health

BOOK CHAPTERS

Ledlow, G.R. & Stephens, J. H., (2021). Chapter 16: Strategic Planning and Leadership. In Leiyu Shi and James Johnson (Eds.), *Public Health Administration: Principles for Population- Based Management*. (4th ed., pp. 16). Sudbury, MA: Jones & Bartlett Learning Publishers.

CREATIVE PRODUCTIONS

Ball, C., Khademi, S. (2021, May). American College of Occupational and Environmental Medicine video series "COVID-19 Stories".

Ball, C., (2021, April). Media campaign to draw attention to Public Health week. Reported by the local media: Butler, J., Frazier, S. East Texas doctors discuss purpose of National Health Month. KLTN News.

Bunting, J., Casanova, V., Levin, J., Moore, K. G., Nessim, D., Ochran, T. (2021, February). COVID-19 vaccine FAQs for the construction industry. CPWR in collaboration with the National Institute for Occupational Safety and Health. Most recent version available at <https://www.cpwr.com/wp-content/uploads/COVID-19-Vaccine-FAQs-for-Construction.pdf>

Casanova, V., Levin, J., Moore, K. G., Nessim, D., Ochran, T., Powell, S. (2021, March). Safety minute - COVID 19 vaccine FAQs. Southwest Center for Agricultural Health, Injury Prevention and Education in collaboration with CPWR and the National Institute for Occupational Safety & Health. Video available at <https://youtu.be/iH7tIj6YoYc>

Casanova, V., Jester, K., Ferris, M., Hameister, A. (2021). Ark Pro Logger Timer Harvesting & Transportation Safety Training Module.

Crum, M. (2021, January and June). City of Tyler Roses and Weeds Podcast with Dr. Paul McGaha, COVID-19 update episode I and II. January 2021: <https://www.iheart.com/podcast/256-roses-weeds-30980309/episode/s2e6-a-covid-19-update-for-east-76491867/>. June 2021: <https://www.iheart.com/podcast/256-roses-weeds-30980309/episode/s2e12-almost-on-the-other-side-83327998/>

Crum, M. (2021, May). Interview with CBS 19, "Home testing options".

Crum, M. (2021, December). Tyler Morning Telegraph and Longview News Journal Article, Wastewater Detection in East Texas, https://tylerpaper.com/covid-19/public-health-officials-lead-efforts-to-detect-covid-19-in-east-texas-wastewater/article_13e51204-5ea9-11ec-8a7f-bfc0b1260e9c.html and <https://www.news-journal.com/covid-19/>

[public-health-officials-lead-efforts-to-detect-covid-19-in-east-texas-wastewater/article_19fcd4a-7638-55af-84cd-cbc0e49031f1.html](https://www.uthct.edu/texas-institute-of-occupational-safety-health/)

Levin, J. (2020). The University of Texas Health Science Center at Tyler created a video (<https://www.uthct.edu/texas-institute-of-occupational-safety-health/>), highlighting the NIOSH 50th and its various accomplishments achieved through its partnerships with NIOSH including the TPG and the Southwest Center for Agricultural Health, Injury Prevention and Education (SW Ag Center).

Mandell, D.J., O'Neil, M., Poulos, N (2020). Maternal, Infant, and Early Childhood Home Visiting Needs Assessment for Texas. Austin, TX: University of Texas Health Science Center at Tyler & University of Texas System. https://www.dfps.state.tx.us/About_DFPS/Reports_and_Presentations/PEI/documents/2021/2021-04-29_Texas_MIECHV_Needs_Assessment.pdf

Mandell, D.J., O'Neil, M., & Karimifar, M. (2021). Maltreatment Risk in Texas, 2019. Austin, TX: University of Texas Health Science Center at Tyler & University of Texas System Administration. <https://www.maltreatment-risk.txsafebabies.org/>

JOURNAL PUBLICATIONS

Buek, K. W., Cortez, D., & Mandell, D. J. (2021). NICU and postpartum nurse perspectives on involving fathers in newborn care: a qualitative study. *BMC nursing*, 20(1), 35. <https://doi.org/10.1186/s12912-021-00553-y>

Cain, C. M., Mandell, D. J., Thompson, R. R., Cummings, A. L., Van Horne, B. S., & Greeley, C. S. (2020). Trends in Abusive and Nonabusive Injury Hospitalizations in Young Children in Texas, 2004-2018. *Child maltreatment*, 1077559520979572. Advance online publication. <https://doi.org/10.1177/1077559520979572>

Cook, A., Sigler, C., Allen, L., Peters, J. A., Guthrie, C., Marroquin, M., Ndetan, H., Singh, K. P., Murry, J., Norwood, S., & Philley, J. V. (2021). Burnout and Anxiety Among Trauma Nursing Specialties in a Rural Level I Trauma Center. *Journal of trauma nursing: the official journal of the Society of Trauma Nurses*, 28(1), 26-36. <https://doi.org/10.1097/JTN.0000000000000554>

Cooksley, C. (Spring 2021). Call for Participation: TPHA Celebrates National Public Health Week! *Texas Public Health Journal*. 73 (2):32. https://cdn.ymaws.com/www.texaspha.org/resource/resmgr/docs/legislators/tpha_journal_vol_73_issue_2.pdf

- Lyle Cooper, R., Thompson, J., Edgerton, R., Watson, J., MacMaster, S. A., Kalliny, M., Huffman, M. M., Juarez, P., Mathews-Juarez, P., Tabatabai, M., & Singh, K. P. (2020). Modeling dynamics of fatal opioid overdose by state and across time. *Preventive medicine reports*, 20, 101184. <https://doi.org/10.1016/j.pmedr.2020.101184>
- Devalraju, K., Tripathi, D., Kumar Neela, V., Paidipally, P., Radhakrishnan, R., Singh, K., . . . Vankayalapati, R. (2021). Reduced thyroxine production in young household contacts of tuberculosis patients increases active tuberculosis disease risk. *JCI Insight*, 6(13), JCI insight, 2021, Vol.6 (13). <https://doi.org/10.1172/jci.insight.148271>
- Felknor, S. A., Streit, J., Chosewood, L. C., McDaniel, M., Schulte, P. A., Delclos, G. L., & On Behalf Of The Workshop Presenters And Participants (2020). How Will the Future of Work Shape the OSH Professional of the Future? A Workshop Summary. *International journal of environmental research and public health*, 17(19), 7154. <https://doi.org/10.3390/ijerph17197154>
- Figaro, M. K., Long, D. M., May, M. E., Ndetan, H., Cook, A., & Conway, R. B. (2020). Racial Variation in the Relationship of Glycemic Control with Fracture Risk in Elderly Patients with Diabetes, metabolic syndrome and obesity: targets and therapy, 13, 4153-4155. <https://doi.org/10.2147/DMSO.S272076>
- Haire, A., Ball, C., Bosworth, M., Moore, K., Nessim, D., Ochrans, T., Swinney, B., Zaman, A. (2020). How Dentistry Overcomes Being a COVID-19 Target. *Texas Dental Journal*, 137 (12), 22-31.
- Hartenbaum N., Baker B., Levin J., Saito K., Sayeed Y., McKenzie J. (Spring, 2021). Workgroup on OEM Competencies. ACOEM OEM core competencies – 2021. Guidance and position statements published online March 22, 2021. https://acoem.org/acoem/media/News-Library/ACOEM-OEM-Core-Competencies-for-JOEM-Posting_1.pdf
- Hartenbaum, N. P., Baker, B. A., Levin, J. L., Saito, K., Sayeed, Y., Green-McKenzie, J., & Work Group on OEM Competencies (2021). ACOEM OEM Core Competencies: 2021. *Journal of occupational and environmental medicine*, 63(7), e445-e461. <https://doi.org/10.1097/JOM.0000000000002211>
- Hayek, M. E., Mansour, M., Ndetan, H., Burkes, Q., Corkern, R., Dulli, A., Hayek, R., Parvez, K., & Singh, S. (2021). Anti-Inflammatory Treatment of COVID-19 Pneumonia With Tofacitinib Alone or in Combination With Dexamethasone is Safe and Possibly Superior to Dexamethasone as a Single Agent in a Predominantly African American Cohort. *Mayo Clinic proceedings. Innovations, quality & outcomes*, 5(3), 605-613. <https://doi.org/10.1016/j.mayocpiqo.2021.03.007>
- Jones, E., Ledlow, G., Spulick, S., Paelsch, K., et al. (2021). IISB21 Framework, Technical paper. International Health Supply Chain Education Alliance, International Health Care Supply Chain Standards Board, ISCEA.org
- Konduru, N. V., Velasco-Alzate, K., Adduri, S., Zagorovsky, K., Diaz-Diestra, D., Fisol, F., Sanches, M., Ndetan, H., Brain, J. D., & Molina, R. M. (2021). Pulmonary fate and consequences of transferrin-functionalized gold nanoparticles. *Nanotheranostics*, 5(3), 309-320. <https://doi.org/10.7150/ntno.47734>
- Le, T. D., Bosworth, M., Ledlow, G., Le, T. T., Bell, J., & Singh, K. P. (2021). Influences of reopening businesses and social venues: COVID-19 incidence rate in East Texas county. *Epidemiology and infection*, 149, e28. <https://doi.org/10.1017/S0950268821000121>
- Le, T. D., Gurney, J. M., Akers, K. S., Chung, K. K., Singh, K. P., Wang, H. C., Stackle, M. E., & Pusateri, A. E. (2021). Analysis of Nonbattle Deaths Among U.S. Service Members in the Deployed Environment. *Annals of surgery*, 274(5), e445-e451. <https://doi.org/10.1097/SLA.0000000000005047>
- Lee GY, Myers JA, Perez SM, Singh KP, Green HN: Cisplatin combined with aser-activated nano therapy as an adjuvant therapy for head and neck cancer. *International Journal of Oncology* 2020 September 22; 57: 1169-1178. PMID33491743. <https://doi.org/10.3892/ijo.2020.5126>
- Levin J., Ball C.K. National public health week; a key role for occupational and environmental medicine. *Texas Public Health Journal*, spring 2021. 73(2):32.
- Lieneck, C., Weaver, E., & Maryon, T. (2021). Pandemic Pause: Systematic Review of Cost Variables for Ambulatory Care Organizations Participating in Accountable Care Organizations. *Healthcare (Basel, Switzerland)*, 9(2), 198. <https://doi.org/10.3390/healthcare9020198>
- Lieneck, C., Weaver, E., & Maryon, T. (2021). Outpatient Telehealth Implementation in the United States during the COVID-19 Global Pandemic: A Systematic Review. *Medicina (Kaunas, Lithuania)*, 57(5), 462. <https://doi.org/10.3390/medicina57050462>
- Mackert, M., Mandell, D., Donovan, E., Walker, L., Henson-García, M., & Bouchacourt, L. (2021). Mobile Apps as Audience-Centered Health Communication Platforms. *JMIR mHealth and uHealth*, 9(8), e25425. <https://doi.org/10.2196/25425>
- Miller A., Jahnke S.A., and Singh K.P. (2021). Generational conflict, alcohol use and brotherhood: an exploratory survey of a rural career fire department in the Midwest. *International Journal of Emergency Services*, 10(3), 325-339. <https://doi.org/10.1108/IJES-01-2021-0003>
- Miree, O., Srivastava, S. K., Khan, M. A., Sameeta, F., Acharya, S., Ndetan, H., Singh, K. P., Hertweck, K. L., Dasgupta, S., da Silva, L. M., Rocconi, R. P., Carter, J. E., Singh, S., & Singh, A. P. (2021). Clinicopathologic significance and race-specific prognostic association of MYB overexpression in ovarian cancer. *Scientific reports*, 11(1), 12901. <https://doi.org/10.1038/s41598-021-92352-3>
- Ndetan, H., Evans, M. W., Tanue, T., Osuagwu, C. C., Elueze, E., Singh, K. P., & Calhoun, K. (2020). Therapeutic Use of Acetaminophen and Light to Moderate Alcohol: Are There Early Disparate Risks for Kidney Disease?. *Health equity*, 4(1), 518-524. <https://doi.org/10.1089/heap.2020.0072>
- Nehme, E., Castedo de Martell, S., Matthews, H., & Lakey, D. (2021). Experiences and Perspectives on Adopting New Practices for Social Needs-targeted Care in Safety-net Settings: A Qualitative Case Series Study. *Journal of primary care & community health*, 12, 21501327211017784. <https://doi.org/10.1177/21501327211017784>
- Nessim, D., Khademi, S., Ball, C., Moore, K. (2020). One Residency Program's Response to the COVID-19 Pandemic and Educational Experiences Gained; A Brief Report. *Texas Public Health Association Journal*, 72 (4), 12-14.
- Nguyen, A. and Khademi S. (2021). Protecting Patients and Health Care Workers During the COVID-19 Pandemic – Integrating Decision-making Algorithms into an Online Survey to Automate Return to Work Determinations Following Possible Exposure. *AMA Medical Students, Residents and Fellows Making an Impact: Covid-19 Edition*, 30-31. <https://www.ama-assn.org/system/files/2021-01/health-systems-science-impact-challenge.pdf>
- Patel, D. A., Salahuddin, M., Valerio, M., Elerian, N., Matthews, K. J., McGaha, P., Nelson, R., & Lakey, D. L. (2021). A Participatory, State-Community-Academic Model to Improve Pregnancy Outcomes in Texas: The Healthy Families Initiative. *Health education & behavior: the official publication of the Society for Public Health Education*, 48(5), 690-699. <https://doi.org/10.1177/1090198120977156>
- Pohlman, K. A., Funabashi, M., Ndetan, H., Hogg-Johnson, S., Bodnar, P., & Kawchuk, G. (2020). Assessing Adverse Events After Chiropractic Care at a Chiropractic Teaching Clinic: An Active-Surveillance Pilot Study. *Journal of manipulative and physiological therapeutics*, 43(9), 845-854. <https://doi.org/10.1016/j.jmpt.2020.05.007>
- Shanmugam, R., Ledlow, G., & Singh, K. P. (2021). Predicting COVID-19 cases with unknown homogeneous or heterogeneous resistance to infectivity. *PloS one*, 16(7), e0254313. <https://doi.org/10.1371/journal.pone.0254313>
- Shanmugam, R., & Singh, K. P. (2021). Structural Zero Data of COVID-19 Discovers Exodus Probabilities. *Journal of multidisciplinary healthcare*, 14, 1443-1449. <https://doi.org/10.2147/JMDH.S304419>
- Tabatabai, M., Bailey, S., Bursac, Z., Tabatabai, H., Wilus, D., & Singh, K. P. (2021). An introduction to new robust linear and monotonic correlation coefficients. *BMC bioinformatics*, 22(1), 170. <https://doi.org/10.1186/s12859-021-04098-4>
- Tabatabai M., Bailey S., Matthews-Juarez P., Tabatabai H., Bahri N., Cooper L., Wilus D., Singh K.P., Juarez P. (2021). A comprehensive analysis of the effect of histological subtypes on the survival probability of kidney carcinoma patients: A hypertabastic survival Analysis. *Journal of Renal Cancer*, 3(1): 20-31. DOI: 10.36959/896/604.
- Vahidy, F. S., Pan, A. P., Ahnstedt, H., Munshi, Y., Choi, H. A., Tiruneh, Y., Nasir, K., Kash, B. A., Andrieni, J. D., & McCullough, L. D. (2021). Sex differences in susceptibility, severity, and outcomes of coronavirus disease 2019: Cross-sectional analysis from a diverse US metropolitan area. *PloS one*, 16(1), e0245556. <https://doi.org/10.1371/journal.pone.0245556>
- vanHorne, B., Mandell, DJ. & Keefe, RJ. (2020) Community Readiness to Align and Better Support Families with Perinatal Substance Use Issues and the Impacts of the Coronavirus Pandemic on Progress. *Journal of Applied Research on Children: Informing Policy for Children at Risk*, Vol 11, issue 2, Article 6 <https://digitalcommons.library.tmc.edu/childrenatrisk/vol11/iss2/6>
- Varga, SF., Mackert, M & Mandell, D.J. (2021) The prenatal triad: The importance of provider-patient communication with expectant fathers throughout the prenatal care process. *Patient Education & Counseling*, 104(7), 1826-1830. <https://doi.org/10.1016/j.pec.2020.11.005>

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OTHER

- Levin, J.L. (2020, September). Press conferences and presentations to elected officials during COVID Pandemic. Local Health Authority presentations as participant in the City of Tyler/Smith County Emergency Operations Center and Executive Committee.
- Levin, J.L. (2020, December). ACGME Occupational Medicine Milestones Workgroup: Baker, B., Edgar, L., Iddins, B., Levin, J., Lultschik, J., Rainey, D., Thies, R., Thondukolam, R., Zaman, A. Preventive Medicine - Occupational Medicine Milestones 2.0. Found at: <https://www.acgme.org/Portals/0/PDFs/Milestones/PreventiveMedicineOccupationalMedicineMilestones2.0.pdf?ver=2020-12-15-153403-347>

POSTER PRESENTATIONS

- Bosworth, M., Bush, K., Patrick, C., Koonce, M., Mendoza, L. (2020, November). Community Health Workers: A Secret Weapon to Controlling Hypertension." Texas Hypertension Control Summit Series.
- Le, T.D., Pusateri, A.E., Workman, E.R., Singh, K.P., Crowder, T., Nessen, S., Gurney, J.M. (2020, September). Association of systolic blood pressure and body temperature with mortality in U. S. service members with traumatic brain injury. American Association for the Surgery of Trauma for the 79th Annual Meeting of AAST & Clinical Congress of Acute Care Surgery. Waikoloa, HI.
- Le, T.D., VanFosson, C., Singh, K.P., Convertino, V., Gurney, J., Pusateri, A.E. (2021, August). Can Pre-hospital Combat Mortality Index (CMI) Predict Transfusion Requirements in Trauma Patients? The 2021 Military Health System Research Symposium. Kissimmee, FL.
- Lieneck, C., Weaver, E., Maryon, T., Herzog. (2021). Texas State University Transitional Health Research Center: 5th Annual Texas State University Health Scholar Showcase.
- Maryon, T. (2021, April). Pandemic Pause: Systematic Review of Cost Variables for Ambulatory Care Organizations Participating in Accountable Care Organizations.
- Nguyen, A., Pham, J., Casanova, V., Ball, C., Levin, J. Obstacles to performing research on commercial fishermen in the Gulf of Mexico during the COVID-19 pandemic. Abstract and virtual poster presented at the American Occupational Health Conference (AOHC), May 2-5, 2021.
- Ochran, T., Moore, K., Levin, J., Nessim, D., Palmer, K. (2020, November). N95 retrofit project. Video presented at the Texas Public Health Association Mini-Conference.

- Zaman, A., Ball, C., Levin, J. (2020, October). The development of a reactive airways dysfunction syndrome (RADS) - like disorder following a second exposure to concentrated paint or paint thinner fumes: a case report. Virtual presentation at CHEST 2020, October 18-21, 2020.

PRESENTATIONS

- Ball, C. (2021, May). Utilization Review: A Component of Work Injury Disability Management. Presented at TxMed annual meeting, Virtual.
- Caban-Martiniz, A., Parvanta, C., Cabral, N., These, M., Moore, K., Ball, C., Levin, J., Nessim, D., MacMahon, K., Eastlake, A., Schulte P. (2021, July). Barriers and facilitators to COVID-19 testing among U.S. employers across NORA Sectors: preliminary findings from a mixed-methods approach. Abstract and virtual presentation at the 2021 NIOSH COVID-19 IPA Science Summit.
- Casanova, V. (2020, October). 25 Years of Occupational Safety and Health in Agriculture, Forestry and



- Fishing: The Southwest Center for Agricultural Health, Injury Prevention, and Education. SCR Connections, National Network of Libraries of Medicine, South Central Region.
- Casanova, V., Cook, A., Fleegler M., Levin, J. (2021, April) Agromedicine in the Education and Training of Future Rural Clinicians. Panel presentation for the RTT Collaborative in rural health professions education and training annual meeting "Rethinking the Pipeline to Rural Practice" (virtual).
- Crum, M. (2020, September). SARS CoV-2 Testing, NET Health Board Meeting Presentation, Tyler TX.
- Crum, M. (2020, December). mRNA Vaccine Questions, Workshop Panel Discussion, M. Crum, P. McGaha and G. Roberts, UT Tyler.
- Crum, M. (2021, April). Health Status of East Texas, Leadership Tyler, THEC Annual Conference.
- Crum, M. (2021, July). SARS-COV-2 Virus Detection in Wastewater and Future of Disease Surveillance through Wastewater Testing, TEHA ETX Summer Conference Keynote Presentation.
- Bosworth, M. (2020, September). Measure Accurately: Fostering Equity and Hypertension Control During COVID-19 and Beyond, 2020 Texas Hypertension Control Summit Virtual Series. American Heart Association.
- Bosworth, M. (2020, November). "Alternative Payment Models." UTHSCT FMRP Didactics.
- Bosworth, M. (2020, November). US Asthma Summit 2020 EPA's 2020 Asthma Award Winners Panelist: "Sharing Successful Strategies to Reduce School Absenteeism and Improve Health Outcomes". Annual National Asthma & Allergy Conference Elliott, K., Escareno, Jessica, Powell, MP., Landry, A., Mastering Pandemic Pedagogy, Association of University Programs in Health Administration (AUPHA) Annual Meeting; June, 2021; Online.
- Bosworth, M. (2020, December). Panel Speaker. "Celebrate Progress" 2020 Texas Hypertension Control Summit Virtual Series. American Heart Association.
- Khademi, S. (2021, May). "Return to Work from COVID-19" panel discussion. Invited panelist at the Virtual Texas Occupational and Environmental Medicine Conference (TxCOEM), TexMed Annual Conference.
- Ledlow, G. (2021, July). What was Old is New Again: US Healthcare Opportunities. Keynote Presentation, Global Business and Technology Association, Virtual Conference.

- Levin, J. (2021, January). CPWR-NIOSH COVID-19 Webinar Series - Vaccination & Ventilation: A Conversation About Next Steps in COVID-19 Prevention. Webinar and panelist for The Center for Construction Research and Training (CPWR).
- Levin, J. (2021, February). COVID-19 Research Collaboration with NIOSH. Regional Hispanic Contractors Association Safety Council Meeting, virtual.
- Levin J., Dotter, E. (2021, May). Opening General Session, Patterson Lecture - Essential Workers in the Time of COVID-19 With a Historical Look at Personal Protective Equipment in Use American Occupational Health Conference (AOHC) virtual.
- Levin J. (2021, May). USCG/NIOSH Fishing Research Grantees Presentations - Crew Overboard Recovery in the Gulf of Mexico. Presented at spring 2021 NORA AgFF Sector Council Meeting.
- Levin, J., Edgar, L., Rainey, D. (2021, June). Update on ACGME Milestones 2.0. Presented to Occupational and Environmental Medicine Residency Directors Association (OEMRDA) annual meeting, virtual.
- Lowry, L. (2020, November). "The University of Texas Health Science Center at Tyler (UTHSCT) Breath of Life Mobile Asthma Program". Presented at Pediatric Grand Rounds, Southwest Center for Pediatric Environmental Health, Texas Tech, El Paso, TX.
- Macaluso Davidson, A., Delclos, G., Khademi, S., Williams, L., Moore, K. G., Sayre, W. (2021, May). Panel: Return to work from COVID-19. TexMed 2021 Conference, virtual.
- Maryon, T. (2020, September). Rethink Work | Delivering Value: Re-building Your Toolbox in Times of Complexity. Health Care Service Corporation (HCSC), Chicago, Illinois.
- Moore, K. G. (2020, September). Respiratory protection during flood recovery. Agrisafe Network - Farm and Ranch Health Threats After a Flood. Webinar.
- Moore, K. G. (2020, October). Risk Assessment and Industrial Hygiene. Didactic for PM Residents from Texas Department of State Health Services. Online.
- Moore, K., Casanova, V., Nessim, D., Ochran, T., Levin J. (2021, July). COVID-19 vaccine FAQs and the safety minute in construction and agriculture. Abstract and virtual presentation at the 2021 NIOSH COVID IPA Science Summit.
- Moore, K. G. (2021, April). Personal protective equipment. Community Health Worker Continuing Education - RADxUP. Online.
- Moore, K. G. (2021, April). Health effects of agricultural pesticides. Agromedicine Workshop. Online.
- Ndetan, H. (2020, November). Addressing food

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insecurities in East Texas – The potential role of Unconscious Bias. The East Texas Food Bank.

Ndetan, H., Singh, K. (2020, November). Invited Presentation: Rural Community Opioid Response Implementation and Mental health Research in Rural East Texas: Structure, Process and Outcome. Marshall Business Research Conference.

Ndetan, H. (2020, December). Tricks of the trade – Essentials of Peer-reviewed empirical research article. Health System-wide Lecture, University of Texas Health East Texas.

Nehme, E. (2020, October). Social Needs-Targeted Care in Texas Primary Care Settings: What is the Evidence, and What is Happening in Texas? Oral presentation. Texas Primary Care Consortium Annual Summit, Virtual.

Nehme, E., Patel, D., Cortez, D., Morse, S., Schuessler, K., Gulbas, L. (2020, December). Healthcare Coverage Literacy among Uninsured Pregnant and Postpartum Women. Poster presentation. 13th Annual Conference on the Science of Dissemination and Implementation, Virtual.

Nehme, E., Castedo de Martell, S.J., Matthews, H., Lakey, D. (2021, July). Experiences and Perspectives on Adopting New Practices for Social Needs-Targeted Care in Safety-Net Settings: A Qualitative Case-Comparison Study. Oral Presentation. Academy Health Annual Research Meeting, Virtual.

Nessim, D., Khademi, S., Ball, C., Moore, K. (2021, February). Participation of the UTHSCT Occupational and Environmental Medicine (OEM) residents in the pandemic response and educational experiences gained. Virtual presentation at the University of Texas Kenneth I. Shine, M.D., Academy of Health Science Education Innovations in Health Science Education Annual Conference.

Nessim, D., Moore, K., Rowlett, C.D., Ochrans, T., Huffman, K., Rohani, S., Levin, J. (2021, May). A Health Facility Physical Plant Walkthrough. American Occupational Health Conference (AOHC), virtual.

Nessim, D. (2021, May). Surveillance of Organophosphate Pesticide Workers: Lessons Learned from “Tick Eradicators” in Texas. Presented at the TPHA Annual Education Conference.

Nguyen, A., Khademi, S., Baker, A., Ball, C. (2021, April). Protecting Patients and Healthcare Workers During the COVID-19 Pandemic – Integrating Decision-making Algorithms into an Online Survey to Automate Return to Work Determinations Following Possible Exposure. Virtual Presentation at AOHC 2021.

Parvanta, C., Moore, K., Caban-Marinez, A., Ball, C., These, M., Nessim, D., Levin J. (2021, July). Creating a value proposition for worksite-based testing for COVID-19: a social marketing analysis of ETCH Phase I qualitative data. Abstract and virtual presentation at the 2021 NIOSH COVID IPA Science Summit.

Singh, K. (2021, January). Invited Presentation: “Show me the money: How to write a winning grant proposal.” Texas Women University.

Tiruneh, Y. (2020). Towards an integrated clinical and behavioral intervention to improve treatment outcomes in HIV patients with depression: A patient-centered approach, Translational Science Forum, The University of Texas Southwestern Medical Center, Dallas, TX.

Zaman, A., Ball, C., Levin, J. (2020, October). The development of a reactive airways dysfunction syndrome (RADS) -like disorder following a second exposure to concentrated paint or paint thinner fumes: a case report. Virtual presentation at CHEST 2020.

GRANTS

Ball, C. NIOSH Intergovernmental Personnel Act (IPA). (August 2020 – August 2021). USD \$32,500.01.



Ball, C. NIOSH Intergovernmental Personnel Act (IPA). (August 2021 – August 2022). USD \$29,132.50.

Ball, C. Texas Mutual Community Vaccine Grant. USD \$100,000.

Blalock, J., McGaha, P. Increasing Access to Smoking Cessation and Smoke Free Home Services for Low-Income Pregnant Women. MD Anderson. Cancer Prevention and Research Institute of Texas (CPRIT). (2018-2022). USD \$261,395.

Bosworth, M., Morris, M. Active Living After Cancer. Cancer Prevention and Research Institute (CPRIT). (March 2021 – February 2022). USD \$141,620 (\$394,734 total)

Bosworth, M., Morris, M. Implementation of a Hypertension Management. Department of State Health Services. (July 2021 – June 2023). USD \$2,280,000.

Bush, K. Dept. of Health and Human Services, Health Resources & Service Administration, Model State Supported Area Health Education Centers. (UTMB Sponsor). (September 2020 – August 2021). USD \$130,680.

Bush, K. Dept. of Health and Human Services, Health Resources & Service Administration, Model State Supported Area Health Education Centers. (UTMB Sponsor). (September 2020 – August 2021). USD \$94,000.

Casanova, V. Contributing factors to slips, trips and falls among Texas shrimp fishermen. CDC/NIOSH Centers for Agricultural Disease and Injury Research, Education and Prevention. (2019 – 2021). USD \$25,602.

Casanova, V. Health, Safety and Psychosocial Organic Farming Survey. CDC/NIOSH Centers for Agricultural Safety and Health. (2018 – 2021). USD \$18,100.

Casanova, V. NIOSH Intergovernmental Personnel Act (IPA) Assignment Agreement. (August 2020 – August 2021). USD \$17,619.29.

Casanova, V. NIOSH Intergovernmental Personnel Act (IPA) Assignment Agreement. (August 2021 – August 2022). USD \$16,954.21.

Casanova, V. Physical exposures and musculoskeletal symptoms among logging machine operators. CDC/NIOSH Centers for Agricultural Disease and Injury Research, Education and Prevention. (2016 – 2021). USD \$50,005.

Casanova, V., Levin, J. NIOSH Cooperative Agreement 6 U54OH007541-20-02 (five-year award). Southwest Center for Agricultural Health, Injury Prevention, and Education. (October 2016 – September 2021). USD \$8,871,449.

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Casanova, V., Moore, K. NIOSH Southwest Center for Agricultural Health, Injury Prevention and Education Pilot Feasibility Study Program Core. (October 2020 - September 2021). USD \$500,000

Escareno, J. Community Scientist Program. Center for Clinical and Translational Science.

Ikebe, M., Singh K. Myocardin in the Pathogenesis of Pleural Remodeling 1R01HL142853 - 01A1. (July 2019 - June 2023). USD \$1,000,000.

Khademi, S. Computer-based Training Educational Module on Prevention of Fentanyl Exposure in Emergency Medical Services Workers in the UT Health East Texas System. UTHSCT Junior Faculty Grant. (June 2019 - June 2021). USD \$10,000.

Komissarov A., Florova G., Idell S., Singh, K. Delivery of PAI-1-targeted intrapleural fibrinolytic therapy for empyema. R01HL130402, NIH/NHLBI. (August 2021 - March 2025). USD \$2,100,000.

Komissarov A., Klegerman M., Singh, K. Enhanced Delivery of Thrombolytic Carriers for Empyema. R01HL130402, NIH/NHLBI. (July 15, 2021 - June 30, 2025). USD \$2,500,000.

Lahey, D. Population Health Professional Administrative Support for Texas Child Mental Health Care Consortium. UT System. (September 2020 - August 2021). USD \$75,000.

Lahey, D., Elerian, N. Texas Collaborative for Healthy Mothers and Babies. Department of State Health Services. (2019 - 2021). USD \$4,047,214. Total award.

Lahey, D., Elerian, N. Texas Collaborative for Healthy Mothers and Babies. Department of State Health Services. (2021 - 2022). USD \$41,608,382.

Ledlow, G., Neuenschwander, P. Doctoral Program Feasibility Study for Joint UTHSCT and HCSC/BCBS Degree in Population Health and Analytics. Health Care Services Corporation/Blue Cross and Blue Shield of Texas, Dallas, Texas and Chicago, Illinois. (June 2019 - August 2022). USD \$600,000.

Levin, J. NIOSH - Intergovernmental Personnel Act Assignment Agreement 20IPA2014106. The University of Texas Health Science Center at Tyler COVID-19. (August 2020 to August 2021). USD \$53,274.

Levin, J. NIOSH - Intergovernmental Personnel Act Assignment Agreement 20IPA2014106M01. The University of Texas Health Science Center at Tyler COVID-19. (August 2021 to August 2022). USD \$52,992.46.

Levin, J., Ball, C., Ndetan, H. Improving Crew Overboard Recovery for Commercial Fishing Vessels in the

Gulf of Mexico. NIOSH Cooperative Agreement 1 U01 OH011926-01-00 (two-year award). (September 2019 to August 2021; NCTE to August 2022). USD \$325,000.

Lowry, L. Southwest Center for Pediatric Environmental Health, Texas Tech Medical School, El Paso, TX. (April 2015 - Present). USD \$9,750.

Mandell, D. Postpartum depression screening and referral systems among providers. Episcopal Health Foundation. (2020). USD \$40,000.

Mandell, D. Prevention and Early Intervention Research and Evaluation. Department of Family Protective Services. (2020 - 2025). USD \$70,000 per year.

Mandell, D. Safe Babies II. Department of Family Protective Services. (2020 - 2025). USD \$1,300,000 per year.

McGaha, P. Cancer Center Support (CORE) Grant Rural Cancer Supplement. National Institutes of Health Awarded to MD Anderson Cancer Center. (2019 - 2024). USD \$75,263.

McGaha, P., Crum, M. Understanding and Addressing COVID-19 Testing Disparities in Vulnerable Populations: A Community JITA (Just in Time Adaptive Intervention) Approach. National Institutes of Health, RADx-UP: Rapid Acceleration of Diagnostics among Underserved Populations. Center for Clinical and Translational Science Program. Awarded to UT Health Houston. (2020 - 2022). USD \$576,891.

McGaha, P. Expanding Colorectal Cancer Screenings Throughout East Texas. Cancer Prevention and Research Institute of Texas (CPRIT). (2019 - 2022). USD \$1,952,724.

McGaha, P. Implementation of Evidence-based Interventions to Increase Colorectal Cancer Screening in Texas FQHCs. Centers for Disease Control and Prevention Awarded to UT Health Houston Subcontract. (June 2020 - June 2025). USD \$170,263.

McGaha, P. N3C & All of US Research Program Collaborative Project - Health Provider Organization Lite (HPO Lite). National Institutes of Health Awarded to UT Health Houston. Center for Clinical and Translational Science. (2020 - 2022). USD \$120,665.

McGaha, P., Rodriguez, S. Helping Outcomes through Prevention and Early Support (HOPES). Texas Department of Family and Protective Services. (2020 - 2022).

McGaha, P., Rodriguez, S. TX Home Visiting Program. Health Resources & Services Administration. (2020 - 2022). USD \$1,239,934.

McGaha, P., Schmeler, K. Expansion of cervical cancer prevention services to medically under-served. Cancer Prevention and Research Institute of Texas (CPRIT), MD Anderson. (2019 - 2022). USD \$233,141.

Moore, K. NIOSH Intergovernmental Personnel Act (IPA) Assignment Agreement 201IPA2014110. (August 2021 - August 2022). USD \$12,228.37.

Moore, K. NIOSH Intergovernmental Personnel Act (IPA) Assignment Agreement 201IPA2014110-M01. (August 2020 - August 2021). USD \$11,960.00.

Morris, M. Economic Evaluation of DSRIP Medicaid 1115 Waiver Program. Texas Department of State Health Services. (September 2020 - August 2021). USD \$13,000.

Morris, M. Economic evaluation of the Community Cares patient navigation program. Northeast Texas Health Authority. (September 2020 - August 2021).

Ndetan, H., Singh, K., Alvarado, C., Escareno, J. Strengthening and expanding access to Opioid Use Disorder and other Substance Use Disorder services in Henderson County, Texas. GA1RH39612-01-00 HRSA. (September 2020 - August 2023). USD \$1,000,000.

Nehme, E. Cultivating Charitable Food System and Health Care Partnerships across Texas. Methodist Healthcare Ministries. (January 2021 - December 2021). USD \$75,959.

Nessim, D. NIOSH Innovative Training Experiences for Occupational Medicine Residents in Non-Urban and Agricultural Settings. (July 2020 - June 2025). USD \$1,249,170.

Nessim, D. NIOSH Intergovernmental Personnel Act (IPA) Assignment Agreement. (August 2020 - August 2021). USD \$26,520.00.

Nessim, D. NIOSH Intergovernmental Personnel Act (IPA) Assignment Agreement. (August 2021 - August 2022). USD \$26,577.94.

Patel, D. Healthy Mujeres - UniMovil Project. Texas Health and Human Services Commission. (September 2020 - August 2021). USD \$1,100,000.

Prokhorov, A., McGaha, P. Expanding Tobacco Use Cessation in Northeast Texas. MD Anderson. Cancer Prevention and Research Institute of Texas (CPRIT). (2019-2022). USD\$250,431.

Rowlett, C.D., Ball, C. Pantex Former Worker Medical Surveillance Program. Department of Energy - DE-AU0000048. (February 2021). USD \$1,500,000.

Shetty, S., Singh, K. Development, Formulation and Inhalational Delivery of a New Peptide for ILD. R01HL151397, NIH/NHLBI. (December 15, 2020 - November 30, 2024). USD \$1,600,000.

Singh, K. Optimization of a Rabbit Retained Hemothorax Model for Evidence-Based Pharmacologic Interventions. Generating a new mode of retained hemothorax to address the lack of a model suitable for interventional testing of new pharmacotherapy for RH. 1 R33 HL154103-01, NIH/NHLBI. (July 2020 - June 2022). USD \$1,500,000.

Singh, K., Morris, M., Elliot, K. Affordability Cures Research initiative, Examining the Social and Economic Costs of Undertreated Mental Health Conditions among Underserved Individuals Living in an Underserved and Primarily Rural Region of Texas. HCSC/BCBSTX1122327. (September 2019 - September 2023). USD \$1,000,000.

Tiruneh, Y. A community-clinic collaboration to improve outcomes in HIV positive substance users released from jail. National Institute on Drug Abuse (NIDA). USD \$243,000.

Tiruneh, Y. Community-Academic Partnership for Substance Abuse in East Texas (CAPSA-East Texas). Patient Centered Outcomes Research Institute (PCORI), Eugene Washington PCORI Engagement Award. (2020-2022). USD \$249,687.

Tiruneh, Y. Texas HIV Learning Collaborative - Interagency Cooperation Contract HHS00038780001. Texas Department of State Health Services. (September 2019 - December 2021). USD \$270,000.

Vankayalapati, R., Singh, K. Advancing TB science, strengthen TB research capacity, and foster collaboration within and with India. 59-0210-6-004 CRDF Global RePORT India Phase II. (October 2019 - September 2022). USD \$1,400,000.

Vankayalapati, R. National Institutes of Health (September 14, 2020), USD \$718,640.00.

Fisch College of Pharmacy

The Ben and Maytee Fisch College of Pharmacy was established in fall 2013 with the mission to advance the public health and wellness of the citizens of East Texas and beyond through innovation and collaboration in pharmacy, education, scholarship, and advocacy. In fall 2015, we enrolled our pioneer class of students. Those students graduated in spring 2019, entering the profession as pharmacists with the knowledge and skills needed to establish meaningful careers in healthcare.

The Fisch College of Pharmacy uses a variety of teaching methods including team-based learning. This innovative pedagogy emphasizes communication, critical thinking, and teamwork to solve real-world problems facing patients and practitioners today. Fisch College of Pharmacy students participate in direct patient care experiences starting in the first semester of the program. Students complete nearly 2,000 hours of pharmacy practice experiences, working alongside pharmacists, nurses, and physicians to provide care for patients in the community and hospital settings. Over 700 practicing pharmacists have worked with our student pharmacists at nearly 600 practice sites in Texas.

The Fisch College of Pharmacy is home to two academic departments. The Department of Pharmaceutical Sciences and Health Outcomes is chaired by Dr. Rahmat Talukder and consists of nine faculty members with scholarship interests ranging from the discovery of new drugs to treat cancer to the neurological basis of drug dependency. The Department of Clinical Sciences is chaired by Dr. Brad Brazill and consists of 16 pharmacist faculty with a variety of specialty practice areas. Faculty scholarship interests include health literacy, drug development, cancer treatment, substance misuse, transitions of care, and a host of other topics.

W.T. Brookshire Hall, the home of the Fisch College of Pharmacy, provides research space specifically designed to promote collaborative, interdisciplinary research. The new research space greatly augments the ability of our faculty to advance knowledge around drug discovery, disease treatment, and other therapeutic approaches to increase health and wellness. The collaborative space is used by researchers across campus, and the Fisch College of Pharmacy is excited to be at the center of such great collaborations. Our faculty research is funded by the National Institutes of Health, the National Science Foundation, and several other nonprofit organizations. We look forward to our continuing work with our colleagues at UT Tyler and across the country to advance research and scholarship at The University of Texas at Tyler.

Dr. Kathleen Snella
Interim Dean, Fisch College of Pharmacy

Clinical Sciences

CHAPTERS

- Parmentier, B. L., & Wooster, J. D. (2021). Complexities of Managing Psychiatric Pharmacotherapy. In *Transitions of Care in Pharmacy Casebook* (pp. 95-97). McGraw-Hill.
- Wallace-Gay, T. D., Dunn, R. L., & Cho, J. (2020). Global initiatives to combat antimicrobial resistance. In *21st Century Challenges in Antimicrobial Therapy and Stewardship*, *Frontiers in Anti-Infective Agents*, vol 3 (pp. 342-362). Bentham Book.

JOURNAL PUBLICATIONS

- Cheng, L., Yang, T. "Cindy", Ma, X., Han, Y., & Wang, Y. T. (2021). Effectiveness and safety studies of omalizumab in children and adolescents with moderate-to-severe asthma. *Journal of pharmacy practice*, 8971900211038251. Advance online publication. <https://doi.org/10.1177/08971900211038251>
- Chiasson, J. M., Smith, W. J., Jodlowski, T. Z., Kouma, M. A., & Cuttrell, J. B. (2021). Impact of a rapid blood culture diagnostic panel on time to optimal antimicrobial therapy at a Veterans Affairs Medical Center. *Journal of Pharmacy Practice*. <https://doi.org/10.1177/08971900211000686>
- Cook, E. A., Wooster, J., & Yu, F. (2021). A Pilot Study Assessing the Effect of a Transitions of Care Simulation on Student Empathy. *Am J Pharm Educ*,

8538. Advance online publication. <https://doi.org/10.5688/ajpe8538>
- Mastel-Smith, B., Kimzey, M., Garner, J., Shoair, O. A., Stocks, E., & Wallace, T. (2020). Dementia care boot camp: interprofessional education for healthcare students. *Journal of Interprofessional Care*, 34(6), 799-811. <https://doi.org/10.1080/13561820.2019.1696287>
- Nguyen, H., Akamnonu, I., & Yang, T. (2021). Bempedoic Acid: a cholesterol lowering agent with a novel mechanism of action. *Expert Rev Clin Pharmacol*, 14(5), 545-551. <https://doi.org/10.1080/17512433.2021.1901579>
- Reinert, J. P., & Parmentier, B. (2021). Effect of perioperative ketamine on postoperative mood and depression: A review of the literature. *Expert Rev Clin Pharmacol*, 14(1), 25-32. <https://doi.org/10.1080/17512433.2021.1855142>
- Rice, S. D., Kim, N., & Farris, C. (2021). Anticholinergic cognitive burden in older people over acute admission. *Senior Care Pharmacist*, 36(2), 104-111. <https://doi.org/10.4140/TCP.n.2021.104>
- Yu, F., Wooster, J. D., & Yang, T. "Cindy" (2021). Pharmacy students and faculty perceptions of online team-based learning due to the COVID-19 pandemic. *Pharmacy Education*, 21, 121-125. <https://doi.org/10.46542/pe.2021.211.121125>



Clinical Sciences (Continued)

POSTER PRESENTATIONS

- Bratteli, R. A., Fenn, N., Wooster, J. D., & Wallace-Gay, T. D. (2020, September). The use of simulated pediatric patients in a teaching objective structured clinical examination: a descriptive report. In Pediatric Pharmacy Association 2020 Fall Virtual Meeting. Pediatric Pharmacy Association.
- Koshy, R., Black, A., Yu, F., Wooster, J. D., & Yang, T. "Cindy" (2020, October). Identifying the changes of team-based learning at Fisch College of Pharmacy. In ACCP annual meeting. American College of Clinical Pharmacy.
- Preston, A., & Vega, J. A. (2021, May). Rural community engagement project in healthcare education: a pilot. In The University of Texas at Austin Center for Health Interprofessional Practice and Education 3rd Annual Interprofessional Health Showcase. The University of Texas at Austin Center for Health Interprofessional Practice and Education.
- Yu, F., Rice, S. D., Wilder, J. C., Yett, E. S., & Kenyuru, K. (2021, July). Tip of the needle: college leads the way in multipronged COVID-19 response in East Texas. School Poster Abstracts Presented at the 122nd Virtual Annual Meeting of the American Association of Colleges of Pharmacy, July 19-22, 2021. (2021). American journal of pharmaceutical education, 85(7), 8739. <https://doi.org/10.5688/ajpe8739>

PRESENTATIONS

- Yang, T. "Cindy" (2021, July). Antibiotic resistance and "newer" antimicrobial agents. In Texas Pharmacy Association Conference & Expo. Texas Pharmacy Association.
- Yett, E. S., & Wooster, J. D. (2021, July). Catalyzing Digital Health into Pharmacy Practice. In Texas Pharmacy Association Conference & Expo.

GRANTS

- Wallace-Gay, T. Advancing Pharmacy Related Initiatives to Control Hypertension and Manage Cholesterol, NACDD (CDC) (December 1, 2020), USD \$6,313.

Pharmaceutical Sciences

JOURNAL PUBLICATIONS

- Abdel Aziz, M. H., Fan, Y., Liu, L., Moasser, M. M., Fu, H., Jura, N., & Arkin, M. R. (2020). Expression and Purification of Active Human Kinases Using *Pichia pastoris* as A General-Purpose Host. *Protein Expression and Purification*, 179, 105780. <https://doi.org/10.1016/j.pep.2020.105780>
- Hamouda, A. K., Bautista, M. R., Akinola, L. S., Alkhlaif, Y., Jackson, A., Carper, M., Toma, W. B., Garai, S., Chen, Y. C., Thakur, G. A., Fowler, C. D., & Damaj, M. I. (2021). Potentiation of $\alpha 4 2(\beta 2) 3$, but not $\alpha 4 3(\beta 2) 2$, nicotinic acetylcholine receptors reduces nicotine self-administration and withdrawal symptoms. *Neuropharmacology*, 190, 108568. <https://doi.org/10.1016/j.neuropharm.2021.108568>
- Islam, M. A., Yang, S., Kumar, R. V., Dutta, A., & Talukder, R. M. (2021). Focus of Societal Responsibility in the Vision and Mission Statements of the United States pharmacy Schools/Colleges. *Pharmacy Education*, 21(1), 477-486. <https://doi.org/10.46542/pe.2021.211.477486>
- Kawahata, I., Sekimori, T., Wang, H., Wang, Y., Sasaoka, T., Bousset, L., Melki, R., Mizobata, T., Kawata, Y., & Fukunaga, K. (2021). Dopamine D2 long receptors are critical for caveolae-mediated a-synuclein uptake in cultured dopaminergic neurons. *Biomedicines*, 9(1), 49. <https://doi.org/10.3390/biomedicines9010049>
- Li, L., Cheng, L., & Wang, Y. (2021). Differential roles of two isoforms of dopamine D2 receptors in L-dopa-induced abnormal involuntary movements in mice. *NeuroReport*, 32(7), 555-561. <https://doi.org/10.1097/WNR.0000000000001623>
- Pinheiro, N. M., Banzato, R., Tibério, I., Prado, M., Prado, V. F., Hamouda, A. K., & Prado, C. M. (2021). Acute Lung Injury in Cholinergic-Deficient Mice Supports Anti-inflammatory Role of $\alpha 7$ Nicotinic Acetylcholine Receptors. *International Journal of Molecular Sciences*, 22(14), 7557. <https://doi.org/10.3390/ijms22147552>
- Sunderhaus, A., Imran, R., Goudelock, A., Nassar, M., Cooper, K., Patterson, D., & Abdel Aziz, M. H. (2021). Engineering Soluble Artificial Epidermal Growth Factor Receptor Mimics Capable of Spontaneous in vitro Dimerization. *Biotechnology and bioengineering*, 118(4), 1466-1475. <https://doi.org/10.1002/bit.27659>

PRESENTATIONS

- Peredia, E., Sheraz, A., El-Kishky, O., Sawyer, G., Deba, F., & Hamouda, A. K. (2021). The use of concatemer subunit constructs to study the pharmacology of $\alpha 4$ and $\alpha 4^*$ containing neuronal nicotinic acetylcholine receptor. In Texas Academy of Science Annual Meeting.

GRANTS

- Abdelaziz, M. Generating New Insights and Mechanistic Understanding of Antibiotic Resistance Development, National Institutes of Health (February 22, 2021), USD \$380,750.
- Shoair, O. Prevalence and Healthcare Costs of Psychotropic Polypharmacy Among Dementia Patients, AACP (March 1, 2021), USD \$8,750.
- Shoair, O. Comparison of Students' Performance Using Online vs. Face-to-Face Team-Based Learning, AACP (June 1, 2021), USD \$3,732.



Soules College of Business

Faculty and students in the Soules College of Business reside in one of five academic departments representing different business functions: marketing and management; accounting, finance and business law; computer science, computer information systems and information technology; industrial technology; and human resource development (HRD).

One of the differentiating features of a university and therefore one of the responsibilities of faculty is to conduct scholarly activities. Scholarship can encompass aspects of discovery, integration, application and teaching/learning, often while mentoring and collaborating with students. The Soules College of Business faculty is composed of highly engaged individuals dedicated to student success and research excellence. Faculty within all departments of the Soules College of Business are productive in all areas of scholarship.

This past year, Soules College of Business faculty have been opportunistic and embraced challenges in the environment, such as the COVID-19 pandemic, as opportunities to advance their disciplines. Following are a few examples: Dr. Jim Cater and Dr. Marilyn Young, both professors of management, published a study exploring the effect of COVID-19 on entrepreneurs. Dr. Junghwa Hong and Dr. Zhi Pei, both assistant professors of marketing, Dr. Kyung Byun, associate professor of marketing, and Dr. Barbara Wooldridge, professor of marketing, surveyed colleagues nationwide to explore what lessons were learned during the pandemic. Dr. Cowart, associate professor of business law, presented research examining federal enforcement actions against healthcare organizations that violated COVID-19 protocol. She also explored the legal and ethical issues concerned with COVID-19 vaccine patent waivers. Dr. Schumaker, professor of computer information systems, published a journal article presenting a data drive approach to profile potential SARS-CoV-2 drug interactions and presented an analysis of COVID-19 allergic reactions at the International Information Management Association conference.

Soules College of Business faculty also continue to successfully collaborate with colleagues outside of the Soules College of Business. Examples include Dr. Yi Li, assistant professor of computer science, who worked together with College of Engineering faculty in developing a smartphone application that helps monitor and manage pavement; Dr. Paul Roberts, professor of HRD, and Dr. Rochelle McWhorter, associate professor of HRD, collaborated with Dr. Julie Delello, professor in the College of Education and Psychology, and received a grant to examine how student involvement in gaming/e-sports influences student academic performance outcomes.

The Soules College of Business's commitment to scholarly and educational excellence has not gone unnoticed. It has helped consolidate its online MBA program as a Top 100 program according to the most recent U.S. News and World Report ranking. HRD PhD students continue the tradition of receiving national and international awards and recognitions for the quality of their dissertations. Credit goes to my colleagues for their continued pursuit of excellence. Congratulations!

Dr. Krist Swimberghe
Dean, Soules College of Business

Computer Science

CREATIVE PRODUCTIONS

Hull, D. M. (2020, December 12). Contributions to the Use of Immersive Learning Systems for Underserved Communities. In Blog.

JOURNAL PUBLICATIONS

- Burns, A. J., Roberts, T. L., & Posey, C. (2021). Insiders' Adaptations to Security-based Demands in the Workplace: An Examination of Security Behavioral Complexity. *Information Systems Frontiers*, 23(2), 343-360. <https://doi.org/10.1007/s10796-019-09951-9>
- Ko, K.-I., & Wu, L. (2021). On continuous one-way functions. *Theoretical Computer Science*, 852, 1-17. <https://doi.org/10.1016/j.tcs.2020.10.031>
- Kulkarni, A. D., Sthapit, A., Sedhain, A., Bhattarai, B., & Panthee, S. (2021). Texture Classification using Angular and Radial Bins in Transformed Domain. *International Journal of Advanced Computer Science and Applications*, 12(3), 1-4. <http://dx.doi.org/10.14569/IJACSA.2021.0120301>
- Rainwater, S. B., Villalobos, C., Shenberger, J., Gorbett, D., Rodriguez, S. E., Arciero, A., Dawson, K., Delk, G., Sifuentes, J., & Flores, B. (2020). UT System LSAMP: (2019) Planning for a Remote Summer Research Experience during COVID-19. *The Chronicle of Mentoring and Coaching*, 13(4), 448-451.
- Rainwater, S. B., Huang, Y. Y., Hou, B. B., Liu, W., Wu, L., L., & Gao, S. (2021). On Approximation Algorithm for the Edge Metric Dimension Problem. *Theoretical Computer Science*, 853, 2-6. <https://doi.org/10.1016/j.tcs.2020.05.005>
- Wang, X., Gao, S., Hou, B., Wu, L., & Liu, W. (2021). Approximation algorithms for the submodular edge cover problem with submodular penalties. *Theoretical Computer Science*, 871, 126-133. <https://doi.org/10.1016/j.tcs.2021.04.017>
- Wang, X., Li, X., Hou, B., Liu, W., Wu, L., & Gao, S. (2021). A greedy algorithm for the fault-tolerant outer-connected dominating set problem. *Journal of Combinatorial Optimization*, 41(1), 118-127. <https://doi.org/10.1007/s10878-020-00668-z>
- Yan, R., Li, Y., Du, H., Chen, W., Wang, Y., Zhu, Y., & Li, D. (2020). Target Users Activation Probability Maximization with Different Seed Set Constraints in Social Networks. *Theoretical Computer Science*, 838, 111-125. <https://doi.org/10.1016/j.tcs.2020.06.008>
- Yan, R., Li, Y., Li, D., Wang, Y., Zhu, Y., & Wu, W. (2021). A Stochastic Algorithm Based on Reverse Sampling Technique to Fight Against the Cyber bullying. *ACM*

Transactions on Knowledge Discovery from Data (TKDD), 15(4), 1-22. <https://doi.org/10.1145/3441455>

Zhang, Y., Yang, W., Wu, W., & Li, Y. (2020). Effector Detection Problem in Social Networks. *IEEE Transactions on Computational Social Systems*, 7(10), 1200-1209. <https://doi.org/10.1109/TCSS.2020.3013734>

POSTER PRESENTATIONS

Bast, S., Stephens, D., Mohammed, M., Souliman, M., Vechione, M. M., Shirvaikar, M., & Li, Y. (2021, March). SMARTP3M: Smart Pavement Monitoring, Management, and Maintenance. In Great Plains Honors Council Conference. Great Plains Honors Council.

PRESENTATIONS

Rainwater, S. B., Villalobos, C. C., Shenberger-Trujillo, J. M., Gorbett, D. M., Rodriguez, S. E., Arciero, A. V., Dawson, K. Y., Delk, G. N., Sifuentes, J., & Flores, B. C. (2020, October). UT System LSAMP: (2019) Planning for a Remote Summer Research Experience during COVID-19. In 13th Annual Mentoring Conference: High-Quality Connections. University of New Mexico.



Accounting, Finance and Business Law

CHAPTERS

Cowart, T. W. (2020). Anger and the Law-Free From Passion? In *Righteous Indignation: Christian Philosophical and Theological Perspectives on Anger*. Lexington Books.

JOURNAL PUBLICATIONS

Benson, B., Chen, Y., James, H. L., & Park, J. C. (2020). So far away from me: firm location effect and managerial ownership effect on firm value. *Journal of Corporate Finance*, 64. <https://doi.org/10.1016/j.jcorpfin.2020.101658>

Burney, R., Wang, H., & James, H. L. (2021). Working capital management and CEO age. *Journal of Behavioral and Experimental Finance*, 30. <https://doi.org/10.1016/j.jbef.2021.100496>

Fischer, M., & Prachyl, C. (2020). Municipal Stress: An Investigation of Bankruptcy and Financial Issues. *Federation of Business Disciplines Journal*, 10(4), 11-23.

Hsieh, C., & Lin, J. (2020). The Effect of the Sarbanes-Oxley Act and CD&A Rule on Compensation Structure and Hedging Decision of Cross-Listed Firms. *International Journal of Business Research*, 20(3), 71-77. <http://dx.doi.org/10.18374/IJBR-20-3.6>

James, H. L., Benson, B., & Park, J. (2020). CEO fixed effect and inside debt compensation. *Journal of Business Research*, 117, 71-86. <https://doi.org/10.1016/j.jbusres.2020.05.021>

James, H. L., Borah, N., & Lirely, R. (2020). The effectiveness of board independence in high-discretion firms. *Quarterly Review of Economics and Finance*. <https://doi.org/10.1016/j.qref.2020.10.021>

James, H. L., & Lirely, R. (2021). The Propensity to Save: the Effect of Sarbanes-Oxley Act. *Review of Financial Economics*. <https://doi.org/10.1002/rfe.1140>

James, H. L., & Wang, H. (2021). Independent director tenure and dividends. *Journal of Business Finance & Accounting*, 48(5-6), 1057-1091. <https://doi.org/10.1111/jbfa.12498>

James, H. L., Wang, H., & Thanh, N. (2021). Independent Director Tenure and Corporate Transparency. *North American Journal of Economics and Finance*, 57. <https://doi.org/10.1016/j.najef.2021.101413>

Maxwell, N., & Fischer, M. (2021). Oil and Gas Reserves: Past, Present and the Future. *Oil, Gas & Energy Quarterly*, 69(4), 639-653.

Pinkston, P., & Fischer, M. (2021). Sustainability Accounting: Pros, Cons and Accounting Guidance. *Journal of Applied Business and Economics*, 23(1), 88-99.

Ren, Y., & Hsieh, C. (2021). Unrecognized tax benefit and its impact on firms' financial activities: A longitudinal analysis. *Journal of Corporate Accounting & Finance*, 32(3), 110-123. <https://doi.org/10.1002/jcaf.22506>

Wu, C. Y., Pandey, V. K., & Lirely, R. (2020). The Influence of US Presidential Tweets on Global Financial Markets. *Journal of Accounting and Finance*, 20(7), 78-86. <https://doi.org/10.33423/jaf.v20i7.3810>

PRESENTATIONS

Churyk, N., Fischer, M., Showalter, S., Smith, L., Wolcott, S., & Sage, J. (2021, August). Using Engaged Learning in Teaching Accounting. In AAA Annual Meeting. American Accounting Association.

Fischer, M. (2021, March). ACME Editors Panel. In Association of Collegiate Marketing Educators Annual Conference. Association of Collegiate Marketing Educators.

Holmes, A., & Fischer, M. (2021, March). State Tax Abatement Disclosures: Lessons Learned Since GASB 77 Implementation. In GNP AAA Section Annual Meeting. American Accounting Association.

Liang, H., Benson, B., & Park, J. C. (2020, October). CEO fixed effect and inside debt compensation. In Financial Management Annual Meeting.

Liang, H., Wang, H., Li, B., & Ngo, T. (2020, October). Major customers and payout flexibility. In Financial Management Annual Meeting.

Vega, J., Fischer, M., & Lopez, D. (2021, March). CEO Deception Evidenced by Financial Reporting. In SWAAA Annual Meeting. American Accounting Association.

Human Resource Development

CHAPTERS

Bennett, E. E., & McWhorter, R. R. (2020). Digital technologies for teaching and learning. Tonnette Rocco, Ed., *Adult and continuing education for an interconnected world*. Chapter for 2020 Handbook of Adult and Continuing Education (ACE).

Bong, H.-C., & Cho, Y. (2020). The changing landscape of action learning practice in Korea. In *Human resource development in South Korea: Theory and cases* (pp. 219-234). Palgrave Macmillan.

Ellinger, A. D., & McWhorter, R. R. (2020). Case Study Research. In *Doing Coaching Research* (pp. 128-147). Sage Publishers, Ltd.

McWhorter, R. R., & Bennett, E. E. (2021). Creepy technologies and the privacy issues of invasive technologies. In *International Management Association (Ed.), Research Anthology on Privatizing and Securing Data*. (pp. 1726-1745). IGI Global. <https://doi.org/10.4018/978-1-7998-8954-0.ch083>

Park, J., You, J., & Cho, Y. (2020). Korean women leaders' resistance to their token status in the organization. In *Human resource development in South Korea: Theory and cases* (pp. 181-195). Palgrave Macmillan.

JOURNAL PUBLICATIONS

Arnulf, J. K., Nimon, K., Larsen, K. R., & Hovland, C. V. (2020). The priest, the sex worker, and the CEO: Measuring motivation by job type. *Frontiers in Psychology*, 11(1321), Article 1321. <https://doi.org/10.3389/fpsyg.2020.01321>

Bennett, E. E., & McWhorter, R. R. (2021). Virtual HRD's role in crisis and the post Covid-19 professional lifeworld: Skills for a new technological era. *Advances in Developing Human Resources*, 23(1), 5-25. <https://doi.org/10.1177/1523422320973288>

Carpenter, R. E., (2021). Learning as cognition: A developmental process for organizational learning. *Development and Learning in Organizations: An International Journal*, 35(6), 18-21. <https://doi.org/10.1108/DLO-08-2020-0183>

Carpenter, R., McWhorter, R. R., Donaldson, S., Silberman, D., & Maffei, S. (2021). Working against the clock: A model for rural STEMI triage. *Health Services Insights*, 14: 1-8. <https://doi.org/10.1177/11786329211037521>

Carpenter, R. E., Silberman, D., & Takemoto, J. (2021). The student engagement effect of team-based learning in a college of pharmacy. *American Journal of Pharmaceutical Education*, 85(6). <https://doi.org/10.5688/ajpe8567>

Cho, Y. (2020). Editorial: Starting the line. *Human Resource Development Review*, 19(4), 335-338. <https://doi.org/10.1177/1534484320954599>

Cho, Y. (2021). Editorial: History matters in theorizing HRD. *Human Resource Development Review*, 20(2), 131-135. <https://doi.org/10.1177/15344843211002124>

Cho, Y., Kim, S., Yoo, J., Moon, H., & Sung, H. (2021). Application of ESG measures for gender diversity and equality at the organizational level in a Korean context. *European Journal of Training and Development*, 45(4/5), 346-365. <https://doi.org/10.1108/EJTD-05-2020-0090>

Cho, Y., Park, J., Han, S. J., Sung, M., & Park, C. (2021). Women entrepreneurs in South Korea: Motivations, challenges, and career success. *European Journal of Training and Development*, 45(2/3), 97-119. <https://doi.org/10.1108/EJTD-03-2020-0039>

Chretien, J., Nimon, K., & Reio, T. G., Jr. (2020). Responding to low coefficient alpha: Possible alternatives to the file drawer. *Human Resource Development Review*, 19(3), 215-239. <https://doi.org/10.1177/1534484320924151>

Deal, B. J., Hermanns, M., Marzilli, C., Fountain, R., Mokhtari, K., & McWhorter, R. R. (2020). A faculty-friendly framework for improving teaching and learning through service-learning. *Journal of Service-Learning in Higher Education*, 10(2020), 3-11. <http://journals.sfu.ca/jslhe/index.php/jslhe/article/view/178>

Delello, J. A., McWhorter, R. R., Roberts, P. B., Hunter, D. S., Tonia, D. G., & Felice, C. (2021). The rise of esports: Insights into the perceived benefits and risks for college students. *International Journal of eSports Research*, 1(5), Article 5. <https://doi.org/10.4018/IJER.20210101.0a5>

Gipson, C., Delello, J. A., & McWhorter, R. R. (2020). Engaging nursing students and older adults through service-learning. *Working with Older People*, 25(1), 84-93. <https://doi.org/10.1108/WWOP-10-2020-0053>

Lester, J., Cho, Y., & Lockmiller, C. (2020). Learning to do qualitative data analysis: A starting point. *Human Resource Development Review*, 19(1), 94-106. <https://doi.org/10.1177/1534484320903890>

Nimon, K., Joo, B., & Bontrager, M. (2020). Work cognitions and work intentions: A canonical correlation study. *Human Resource Development International*, 24(1), 65-91. <https://doi.org/10.1080/13678868.2020.1775038>

Human Resource Development (Continued)

- Nimon, K., & Shuck, B. (2020). Work engagement and burnout: Testing the theoretical continuums of identification and energy. *Human Resource Development Quarterly*, 31, 301-318. <https://doi.org/10.1002/hrdq.21379>
- Nimon, K. (2021). MOWDOC: A dataset of documents from Taking the Measure of Work for building a latent semantic analysis space. *Frontiers in Psychology*, 11. <https://www.frontiersin.org/articles/10.3389/fpsyg.2020.523494/full>
- Park, S.-H., Cho, Y., & Bong, H.-C. (2020). Action learning for community development in a Korean context. *Action Learning: Research and Practice*, 7(3), 273-291. <https://doi.org/10.1080/14767333.2020.1813086>
- Sankaranarayanan, R., Kwon, K., & Cho, Y. (2021). Exploring the differences between individuals and groups during the problem-solving process: The collective working-memory effect and the role of collaborative interactions. *Journal of Interactive Learning Research*, 32(1), 43-66. <https://www.learnlib.org/primary/p/217515/>
- Silberman, D., Carpenter, R., Takemoto, J., Coyne, L. (2021). The impact of team-based learning on the critical thinking skills of pharmacy students. *Currents in Pharmacy Teaching and Learning*, 13(2), 116-121. <https://doi.org/10.1016/j.cptl.2020.09.008>
- Wang, J., Cho, Y., Beigi, M., Alagaraja, M., & Makarem, Y. (2020). Editorial: A journey of learning, development, and collaboration: Passing the torch. *Human Resource Development Review*, 19(2), 111-116. <https://doi.org/10.1177/1534484320923182>



POSTER PRESENTATIONS

- Silberman, D., Carpenter, R., Coyne, L., Takemoto, J. (2021, March). The impact of team-based learning on pharmacy student critical thinking skills [Poster presentation]. Team Based-Learning Collaborative, 20th Annual Meeting, Virtual Conference.
- Silberman, D., Carpenter, R., Coyne, L., Takemoto, J. (2021, June). The impact of team-based learning on the critical thinking skills of pharmacy students [Poster presentation]. International Association of Medical Science Educators, 25th Annual Meeting, Virtual Conference. (Winner of Best Poster Presentation Award).
- You, Ji., Cho, Y., Choi, Y., Ha, J., Kim, J., Kim, Y., Kang, S., Lee, S., Lee, R., & Kim, T. (2021, February). Exploring career challenges of female doctorate holders in education from an elite university in South Korea through the lens of career chance theory. In 2021 AHRD Conference. AHRD.

PRESENTATIONS

- Carpenter, R., & McWhorter, R. R. (2021). Multipaper dissertation format. A lunch presentation to the PhD students and doctoral faculty of the Soules College of Business, The University of Texas at Tyler, October 16, 2021.
- Cho, Y. (2020, September). Invited talk on assimilation and resistance: The token status of women leaders in South Korea. In Institute for Korean Studies at Indiana University. Institute for Korean Studies at Indiana University. <https://iu.box.com/s/Obt1c7ik0we1wnqe6nxdihvc1frv0ek>
- Cho, Y. (2020, September). Invited talk on the use (role) of theory in research. In A research course for doctoral students at Metropolitan State University. Metropolitan State University, St. Paul, Minnesota.
- Cho, Y. (2020, October). Invited talk on how to conduct a literature review. In A special talk at a thesis seminar course for doctoral students at University of Illinois at Urbana-Champaign. University of Illinois at Urbana-Champaign.
- Cho, Y., Alagaraja, M., Davies, J., & Yoon, H. J. (2021, February). Workshop: Publishing non-empirical research articles: Practical tips for success. In 2021 AHRD Conference. AHRD.
- Cho, Y. (2021, March). Invited talk on trends and issues in Instructional Technology: Interdisciplinary nature. In Foundations of Instructional Technology, a graduate course in the Department of Instructional Systems Technology at Indiana University. Department



- of Instructional Systems Technology at Indiana University. <https://youtu.be/mXXzRc7XWf0>
- Cho, Y. (2021, May). Invited talk on women in leadership in Korea and implications for career development. In Department of Educational Technology, Ewha Womans University. Department of Educational Technology, Ewha Womans University. <https://drive.google.com/file/d/1yQX79O8fs5NedvSEoZVqZvoy1RucaTzz/view?usp=sharing>
- Cho, Y. (2021, June). Invited talk on the changing landscape of action learning research. In Korea Action Learning Association's special talk series. Korea Action Learning Association.
- Cho, Y. (2021, June). Invited talk on publishing non-empirical research articles in HRDR. In Dr. Tonette Rocco's (Florida International University) Writing and Publishing Group. Dr. Tonette Rocco.
- Cho, Y. (2021, July). Invited talk on token women leaders in Korea and implications for HRD. In KAHRDA's first Talk, Share, & Write. Korea AHRD in Americas (KAHRDA).
- Delello, J. A., McWhorter, R. R., & De Guiseppe, T. (2021). Embracing eSports for increasing student learning and campus engagement. ISTE Live-21-Edtech Conference (online), June 26-30, 2021.
- Nimon, K. (2020, June). canCORRGam: Canonical correlation as a general analytic model. In University of Dallas DBA Colloquium. University of Dallas.
- Wang, G. G., & Doty, D. H. (2021, February). Shaping and Skilling as Cornerstones of a New HRD Core Theory. In The 2121 AHRD International Conference in Americas, (Virtual Conference). Academy of HRD.
- Yawson, R. (2021, February). Meet the editors panel: Outstanding qualities of accepted articles. In T. Reio, Y. Cho, J. Li, & M. Byrd (Eds.), 2021 AHRD Conference. AHRD.

- You, J., Cho, Y., Park, J., & Doo, M. (2021, February). Entrepreneurship in South Korea from the Gender Difference Perspective. In 2021 AHRD Conference. AHRD.

PROCEEDINGS PUBLICATIONS

- McBurnett, D., Ellinger, A. D., McWhorter, R. R., & Vince, R. (accepted, 2020). A meta-ethnographic analysis of planned organizational change qualitative case study literature from 2000-2016. (Submitted to the UFHRD 2020 Conference; however, due to COVID-19, the International Conference has been postponed until June 2021).
- McClurg, N. O., Ellinger, A. D., McWhorter, R. R., & Osmani-Gani, A. (accepted, 2020). Workplace spirituality in the context of work teams: A qualitative multi-case, multi-team study. (Submitted to the UFHRD 2020 Conference; however, due to COVID-19, the International Conference has been postponed until June 2021).
- McWhorter, R. R., Johnson, G., Delello, J. A., & Holt, P. (2021). Virtual mock team interviewing: Preparing students for career success. *Academy of Human Resource Development Virtual Conference*, February 17-19, 2021.
- Wang, G. G., Doty, D. H., & Yang, S. (2020, November). Can the idea of NHRD explain what happened in China? A follow up study. 2019 AHRD International Conference in America.
- Wang, G. G., & Doty, D. H. (2021, February). From an HRD Definition to a Core Theory of Human Resource Development. AHRD 2021 International Research Conference in the Americas (Virtual Conference).

Management and Marketing

CHAPTERS

Beal, B. D. (2021). Generating knowledge for sustainable development: The case against the corporate objective function. In *Managing for Responsibility: A Textbook for an Alternative Paradigm*.

JOURNAL PUBLICATIONS

Byun, K.-A., & Al-Shammari, M. (2021). When narcissistic CEOs meet power: Effects of CEO narcissism and power on the likelihood of product recalls in Consumer-Packaged Goods. *Journal of Business Research*, 128, 45–60. <https://doi.org/10.1016/j.jbusres.2021.02.001>

Byun, K.-A., Ma, M., Kim, K., & Kang, T. (2021). Buying a new product with inconsistent product reviews of various sources: Role of information diagnosticity and advertising. *Journal of Interactive Marketing*, 55, 81–103. <https://doi.org/10.1016/j.intmar.2021.01.003>

Caldas, M. P., Ostermeier, K., & Cooper, D. (2021). When helping hurts: COVID-19 critical incident involvement and resource depletion in health care workers. *Journal of Applied Psychology*, 106(1), 29–47. <http://dx.doi.org/10.1037/apl0000850>

Cater, J., Young, M., & James, K. (2021). Drivers of Entrepreneurial Intentions in the Context of the Covid-19 Pandemic. *Journal of Higher Education Theory and Practice*, 21(11), 124–138. <https://doi.org/10.33423/jhetp.v21i11.4670>

Cater, J., Young, M., & Krishnan, P. (2021). Women in Family Businesses: Utilizing Assistance for Success. *International Journal of Entrepreneurship & Small Business*, 43(2), 180–204. <https://www.inderscienceonline.com/doi/abs/10.1504/IJESB.2021.115357>

Flurry, L., & Swimberghe, K. R. (2021). The Affluenza Epidemic: Consequences of Parent-Child Value Congruence in a Material World. *The Journal of Consumer Marketing*, 38(2), 201–210. <https://doi.org/10.1108/JCM-04-2019-3159>

Flurry, L. A., Swimberghe, K. R., & Allen, J. (2021). Exposing the Moderating Impact of Parent-Child Value Congruence on the Relationship between Adolescents' Materialism and Subjective Well-Being. *Journal of Business Research*, 128, 290–302. <https://doi.org/10.1016/j.jbusres.2021.02.005>

Ho, V., & Astakhova, M. (2020). The passion bug: How and when do leaders inspire work passion? *Journal of Organizational Behavior*, 41, 424–444. <https://doi.org/10.1002/job.2443>

Hong, J., & Byun, K.-A. (2020). Communicating design innovativeness: The role of design cue presentation in attracting consumers of different thinking styles. *Journal of Marketing Communications*, 26(4), 394–413. <https://doi.org/10.1080/13527266.2018.1511627>

Hong, J. (Jenny), Yang, J., Wooldridge, B. R., & Bhappu, A. (2021). Sharing consumer's brand storytelling: Influence of consumer's storytelling on brand attitude via emotions and cognitions. *Journal of Product and Brand Management*. <http://dx.doi.org/10.1108/JPBM-07-2019-2485>

Ostermeier, K., Craven, M. M., Camp, K. M., & Davis, S. (2020). Can I be me with you at work? Examining relational authenticity and discretionary behaviors. *Journal of Applied Behavioral Science*. <https://doi.org/10.1177/0021886320976627>

Pei, Z., Wooldridge, B. R., & Swimberghe, K. R. (2021). Manufacturer rebate and channel coordination in O2O retailing. *Journal of Retailing and Consumer Services*, 58. <https://doi.org/10.1016/j.jretconser.2020.102268>

Wooldridge, B. R., Byun, K.-A., Pei, Z., Hong, J. (Jenny), & Swimberghe, K. R. (2021). Educational Risk: Lessons Learned during the COVID-19 Pandemic. *Marketing Education Review*, 1–15. <https://doi.org/10.1080/10528008.2021.1957939>

Yang, J. (2020). IJV's political ties and R&D strategy: Asymmetric contingencies of market vs. governmental policy turbulence. *Business Research Quarterly*, 1–14. <https://doi.org/10.1177/2340944420977858>

Yang, J. (2021). Sharing consumers' brand storytelling: Influence of consumers' storytelling on brand attitude via emotions and cognitions. *Journal of Product & Brand Management*. <http://dx.doi.org/10.1108/JPBM-07-2019-2485>

Young, M., Camp, K. M., & Bushardt, S. C. (2020). Leadership Development: A Hierarchy of Followership Skills During a Crisis. *Journal of Leadership, Accountability and Ethics*, 17(5), 127–133.

OTHER

Gopalakrishna Remani, V., Rajesh, A., & Venugopal, V. (2020). The Psychological Impact of the COVID Epidemic Around the World. *LinkedIn*.

POSTER PRESENTATIONS

Camp, K. M., James, K. W., & Ambort-Clark, K. A. (2020, February). Perceptions of satisfaction and the role of provider empathy in the patient experience in clinics and hospitals. In *East Texas Research Conference*. The University of Texas at Tyler.

Ma, M., Huang, J., & Byun, K.-A. (2021, February). 'The Effect of Advertising on Online Reviews during New Product Releases. In *2021 AMA Winter Academic Conference*.

PRESENTATIONS

Al-Shammari, M., Caldas, M. P., Swimberghe, K. R., & Banerjee, S. (2020, June). CEO Tenure and The Focus of Firm's CSR Actions: The Moderating Effect of Firm Visibility. In *WEAI 95TH ANNUAL CONFERENCE*. WEAI.

Ambort-Clark, K. A. (2020, November). Connectedness in an Online Environment. In *Teaching Moment Presentation*, Society for Marketing Advances Conference.

Ambort-Clark, K. A. (2021, April). Empathy and the Patient Experience. In *Nurse Managers CHRISTUS® Trinity Mother Frances Health System*, April 2021.

Beal, B. D., & MacMillan, K. T. (2020, Summer). Case writing seminar, professional development. For faculty at the University of Dallas, November 13, 2020 & February 19, 2020.

Beal, B. D., MacMillan, K. T., & Woodwark, M. J. (2020, Summer). How to implement case writing as a class project: A Step-by-Step Approach. Presented at the *Academy of Management 2020 Annual Meeting, Teaching & Learning Conference* (one-day mini-conference, Sunday, August 2nd), Vancouver, British Columbia, Canada [Virtual], July 31 – August 4, 2020.

Beal, B. D., MacMillan, K. T., Woodwark, M. J., & Schnarr, K. (2021, Summer). The student case writing project: A how-to guide for instructors. In *Presented at the Academy of Management 2021 Annual Meeting, Teaching & Learning Conference* (one-day mini-conference, Sunday, August 1st), Virtual, July 30 – August 3, 2021.

Cater, J., Kidwell, R. E., & Young, M. (2021, January). The Development of Affective Successor Commitment in Family Firms. In *United States Association for Small Business and Entrepreneurship (USASBE) Conference*.

Cater, J., Young, M., James, K. W., & Al-Shammari, M. (2021, August). Do Creativity, Risk-Taking

Propensity, and Locus of Control Drive Entrepreneurial Intentions? In *Academy of Management, 81st Annual Meeting*. Academy of Management (AOM).

Hancock, J., Hendricks, J., Ostermeier, K., Cooper, D., & Caldas, M. P. (2020, August). Leaving it better than you found it: The impact of leader turnover on collective turnover and unit performance. In *Academy of Management Annual Meetings 2020*. Academy of Management.

MacMillan, K. T., Woodwark, M. J., & Beal, B. D. (2020, Summer). Case writing made simple: Key steps to write a great case. In *Presented at the Academy of Management 2020 Annual Meeting, Teaching & Learning Conference* (one-day mini-conference, Sunday, August 2nd), Vancouver, British Columbia, Canada [Virtual], July 31 – August 4, 2020.

MacMillan, K. T., Woodwark, M. J., Schnarr, K., & Beal, B. D. (2021, Summer). How to write great cases – Even under quarantine. Presented at the *Academy of Management 2021 Annual Meeting, Teaching & Learning Conference* (one-day mini-conference, Sunday, August 1st), Virtual, July 30 – August 3, 2021.

Wood, Jr., T., Pasturino, M., & Caldas, M. P. (2020, August). Strategic planning as a conflict-mediating routine: A multilevel study. In *Academy of Management Annual Meetings 2020*. Academy of Management.

Woodwark, M. J., & Beal, B. D. (2020, Summer). Going live: A how-to guide for live business cases. In *Presented at the Academy of Management 2020 Annual Meeting, Teaching & Learning Conference* (one-day mini-conference, Sunday, August 2nd), Vancouver, British Columbia, Canada [Virtual], July 31 – August 4, 2020.

Young, M., & Cater, J. (2020, September). Social Entrepreneurship Challenges Among U.S. Veterans: Pursuing A Cause. In *Social Entrepreneurship Summit 2020*. Vrije Universiteit Brussel and ESPOL (Escuela Superior Politécnica del Litoral), Ecuador.

Young, M., & Cater, J. (2021, March). Growth in Social Entrepreneurship: The Importance of Available Resources and an Effective Ecosystem. In *Association for Small Business and Entrepreneurship (ASBE)*. Federation of Business Disciplines (FBD).

Young, M., & Cater, J. (2021, September). Generations and Social Entrepreneurship. In *Social Entrepreneurship Summit*.

Management and Marketing (Continued)

PROCEEDINGS PUBLICATIONS

Ambort-Clark, K. A. (2020, Autumn). Analysis for a Brave New Marketing World [Society for Marketing Advances Conference]. Society for Marketing Advances.

REVIEWS

Ambort-Clark, K. A. (2021). Review of FACULTY ONLINE COMPETENCE AND STUDENT AFFECTIVE ENGAGEMENT IN ONLINE LEARNING. Kerrie Anne Ambort-Clark, Connectedness in an Online

Environment, pp.1. (Featured Teaching Innovation). Marketing Education Review. <https://doi.org/10.1080/10528008.2021.1922925>

GRANTS

Shelmire, O. (Day). Small Business Development Center: UT Tyler Longview 2020 (Year 2), US Small Business Administration (September 1, 2020), USD \$308,866.



Technology

CHAPTERS

Fazarro, D. E., Trybula, W., Hanks, C., & Newberry, D. (2020). Minimizing Negative Long-term Occurrences in Nanotechnology Development. In Intellectual Property Issues in Nanotechnology. CRC Press. <https://doi.org/10.1201/9781003052104>

JOURNAL PUBLICATIONS

Ali, M. (2020). Novel Technique to Analyze the Effects of Cognitive and Non-cognitive Predictors on Students Course Withdrawal in College. Technology Interface International Journal (TIJ), 20(2), 36-41. https://tij.org/issues/issues/spring2020/X__TIJ%20spring%202020%20v%20n2.pdf#page=38

Scott, D. M., & Fazarro, D. E. (2020). Bridging over criminal justice to address the growing threats of nanotechnology in local communities: An introspective look into how nanotechnology is impacting first responders. Technology Interface International Journal, 20(2), 31-36. https://tij.org/issues/issues/spring2020/X__TIJ%20spring%202020%20v%20n2.pdf#page=33

PROCEEDINGS PUBLICATIONS

Ali, M. (2021, July). Lean Six Sigma Applied Engineering Curriculum for Healthcare Administration Majors. 2021 ASEE Annual Conference and Exposition.

REVIEWS

Ali, M. (Ed.). (2020). Review of Characterization of Tabular Defects in Pharmaceutical Compactions. ATMAE Annual Conference 2020 - Micro and Nanotechnology.

Ali, M. (Ed.). (2020). Review of Enhancing Safety Education in Nanomaterial: The Hands-on Approach. ATMAE Annual Conference 2020 - Micro and Nanotechnology.

Ali, M. (Ed.). (2020). Review of Microsystems Fabrication Online Short Courses - For You and Your Students. ATMAE Annual Conference 2020 - Micro and Nanotechnology.

Ali, M. (Ed.). (2020). Review of Modeling the Cylinder Head Sub-Assembly Process at MTU America, Inc.. Journal Management, Technology and Applied Engineering.

Ali, M. (Ed.). (2020). Review of Modification of Surface Topography in the Application of Bio-fouling of Ship Hull Using Pico-second Laser. ATMAE Annual Conference 2020 - Micro and Nanotechnology.



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