



A Celebration of Scholarship and Creativity

Annual Report Of Faculty Scholarship

September 2019 - August 2020

From the President

We have embarked on a significant chapter in the history of this university – one that combines the assets of what was two universities and a major health system into one exceptional resource for the East Texas region – and I am honored to celebrate the outstanding work being done by our faculty, staff, students and resident physicians.

While East Texas has experienced much growth and advancement, our region of the state continues to reflect an older, poorer and less-educated demographic. That is one reason the research and scholarship that we recognize here is so important.

One of the major benefits of the unification of UT Tyler and The University of Texas Health Science Center at Tyler has been enhancing the life-impacting research being conducted daily. As one institution, we have a more seamless pathway to crucial collaborations that will improve healthcare, enrich quality of life, advance medicine and save lives.

Thank you for the great work that not only fortifies your discipline and practice, but also provides an excellent return on the investment the region has made in UT Tyler.

Dr. Kirk Calhoun
President, University of Texas at Tyler



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 19/20.

-Rebecca McKay Johnson, Executive Director of Robert R. Muntz Library

College of Arts & Sciences

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. Over the last year, the faculty has published 101 articles in peer-review journals, 10 books, 37 chapters, and created 49 creative works. A majority of these efforts involved student contributors.

The diversity of the contributions our faculty make to understanding and improving the world around us is 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.

The arts and sciences are the heart and soul of society, and CAS is the intellectual crossroads of the university. Indeed, we are the crossroads for all of higher education. As bearers of this important responsibility, we are dedicated to the education of every student, regardless of major. Our goal is to ensure that every UT Tyler student has a strong and diverse skill set that will prepare them for the unprecedented challenges and opportunities in the 21st century.

Dr. Neil Gray
Dean of Arts & Sciences

Art and Art History

CHAPTERS

- Lisot-Nelson, E. A. (2020). "Sculpting and Human Rights: An Exploration of Fasasi Abeedeen Tunde's Works in Italy." In *The Art of Human Rights: Commingling Art, Human Rights and the Law in Africa* (pp. 103–130). Springer International Publishing.
- Magnusen Ph.D., K. L. (2020). "Photographic Silhouettes and Human Rights in Africa: Confronting and Deterring Female Genital Mutilation in Aida Silvestri's Unsterile Clinic" In *The Art of Human Rights: Commingling Art, Human Rights, and the Law in Africa* (pp. 23–44). Springer.

CREATIVE PERFORMANCES

- Hughes, A. S. (2019, September). Art Studio Faculty Exhibition. In Group exhibition.
- Hughes, A. S. (2019). Holiday Group Show. In Group Show.
- Hughes, A. S. (2019). "Impulse" In Group Exhibition.
- Hughes, A. S. (2020, Autumn). "Head East-DADA" In Group Exhibition.
- Hughes, A. S. (2020). "Perspectives" In Three Person Exhibition.

CREATIVE PRODUCTIONS

- Hughes, D. (2019, March). Paintings and Sculptures by Alexis Serio and Dewane Hughes. In Art on Henderson. Art on Henderson.
- Hughes, D. (2020, March). Art on the Green, Juror, Susan Budge. Awarded Best of Show. In Kemp Center for the Arts. Kemp Center for the Arts.
- Hughes, D. (2020, March). Dewane Hughes, Sculptor. In Shidoni Gallery. Shidoni Gallery.
- Hughes, D. (2020, March). Sky Talings. In City of Kingsville. City of Kingsville.
- Hughes, D. (2020, March). Tightrope Walker. In Yokna Sculpture Trail. Yokna Sculpture Trail.
- Hughes, A. S. (2020, Spring). The Wallace Stevens Journal, Special Issue: Stevens and Emerson, V44 #1 Spring (oil painting as cover art). In Johns Hopkins University Press.
- Magnusen Ph.D., K. L. (2019, August 5–September 14). Memory & Mythos Exhibition. In Marshall Visual Arts Center. Marshall Visual Arts Center.
- Magnusen Ph.D., K. L. (2020, February 3–14). Mythopictura Exhibition. In Third Space Gallery. The University of Houston.
- Magnusen Ph.D., K. L. (2020, March 2–13). Eye and Ear: Collaborative Projects in Visual Art and Songwriting Exhibition. In FAC Gallery, Department of Art & Art History. University of Texas at Tyler.

- Simmons, D. L. (2020). Clearly Human IV (First Place Nationally). In Saint Louis Artist Guild. Saint Louis Artist Guild. <https://www.stlouisartistsguild.org/clearly-human-iv>
- Simmons, D. L. (2020). NYC4PA: Water 2020 "NIGHT POOL: IMMERSION" In Jadite Gallery 413 W 50th St (1,315.14 mi) New York, New York 10019. NYC4PA. <https://www.nyc4pa.com/summer-2018>
- Wright, M. (2019, September 7–October 26). Interchange. In South Dallas Cultural Center. South Dallas Cultural Center.
- Wright, M. (2020, January 13–February 27). In Response: An Exhibition of Selected Works from an Artist-Invites-Artist Group Residency. In FAC Gallery, University of Texas at Tyler. University of Texas at Tyler.

JOURNAL PUBLICATIONS

- Lisot-Nelson, E. A. (2020). "Refugees of War: Barocci's Aeneas Fleeing Troy, Classical Antecedents to Contemporary Issues" *Konsthistorisk Tidskrift / Journal of Art History*, 89(1), 35-56. <https://doi.org/10.1080/00233609.2020.1742786>

OTHER

- Magnusen Ph.D., K. L. (2019). Text panels for Victor Thall exhibition. Longview Museum.
- Magnusen Ph.D., K. L. (2019). "Victor Thall: Modernist Interlocutor." Longview Museum of Fine Arts.
- Wright, M. (2020). Exhibition Catalog: In Response: An Exhibition of Selected Works from an Artist-Invites-Artist Group Residency. University of Texas at Tyler.
- Wright, M. (2020). In Response: An Exhibition of Selected Works from an Artist-Invites-Artist Group Residency. FAC Gallery, University of Texas at Tyler.
- Wright, M. (2020). Introduction Essay. University of Texas at Tyler.

PRESENTATIONS

- Lisot-Nelson, E. A. (2019, Autumn). "La Donna Nuda dal Cassone: Desire, Fantasy and Procreation in Titian's Venus of Urbino, Revisited." In Sixteenth Century Society Conference, St. Louis. Session Title: "Venus, Virgins and Virility: Rethinking the Gendered Body, Real and Imagined, in Early Modern Europe." Chaired by Philip Gavitt, replaced by Carolyn Valone. Sixteenth Century Society.
- Lisot-Nelson, E. A. (2019, October). "Titian: Venetian Master of Color and Light" In University of Texas at Tyler - Dept. of Art & Art History H.S. Recruitment Day. Department of Art & Art History.

- Magnusen Ph.D., K. L. (2019, September). "The Art of Health: Images of Illness and Wellness in Art and their Relevance to Contemporary Social Health Issues." In Verge Conference: Arts + Wellness. School of the Arts, Media + Culture, Trinity Western University.
- Magnusen Ph.D., K. L. (2019, September). "Evoking Illness in the Interwar Art of Otto Dix and Visualizing Violence against the Female Body in the Contemporary Art of Aida Silvestri." In Faculty Research Showcase. Department of Art & Art History, The University of Texas at Tyler.
- Magnusen Ph.D., K. L. (2019, October). "The Great Men of the Great War: Harvey Dunn's Heroic Soldier Males." In SECAC 2019 Conference. SECAC.
- Magnusen Ph.D., K. L. (2019, October). "Visualizing Disease and 'Depravity' in Otto Dix's Bildnis der Tänzerin Anita Berber." In German Studies Association Conference. German Studies Association.
- Magnusen Ph.D., K. L. (2020, Summer). "Sport and Modernity: Images of Athletes and Sport in Early Twentieth Century Modern Art." In Guest Lecture, SPM 5374 Sport in a Social Context. Department of Educational Leadership, Baylor University.
- Simmons, D. L. (2019, October). Discere Ludere In Diversis Locis (Learn to play differently in different places). In SECAC (formerly the Southeastern College Art Conference). The University of Tennessee at Chattanooga. <https://secacart.org/page/Chattanooga>

Simmons, D. L. (2019, November). Democratization and Marginalia the Socially Active Monument: Language, Art, and the Zeitgeist of Community. In SAMLA: Southern Modern Language Association. Georgia State University: © South Atlantic Modern Language Association 2019. <https://samla.memberclicks.net/>

REVIEWS

Lisot-Nelson, E. A. (2019). Review of Visualizing Sensuous Suffering and Affective Pain in Early Modern Europe and the Spanish Americas. Graham, Heather, and Lauren G Kilroy-Ewbank, eds. Vol. 1, No. 3 (Fall 2019); 858–860. *The Sixteenth Century Journal*.

GRANTS

Wright, M. Recollecting Place, The University of Texas at Tyler (September 1, 2019), USD \$9,596.

Biology

BOOKS

Fischer, S. J., & Green, C. F. (2019). Human Zombie Biology (p. 224). Kendall Hunt. <https://he.kendallhunt.com/product/human-zombie-biology-what-you-need-know-survive-zombie-apocalypse>

JOURNAL PUBLICATIONS

- Chan, C. (2019). Engineering DNA recognition and allosteric response properties of TetR family proteins by using a module-swapping strategy. *Nucleic Acids Research*, 47(16), 8913–8925. <https://doi.org/10.1093/nar/gkz666>
- Gooding, D. G., Williams, M. G., Ford, D. F., Williams, L. R., & Ford N. B. (2019) Associations between substrate and hydraulic variables and the distributions of a sculptured and an unsculptured unionid mussel. *Freshwater Science*, 38(3), <https://doi.org/10.1086/704795>
- Luiso, J., Kellner, K., Matthews, A., Mueller, U., & Seal, J. N. (2020). High diversity and multiple invasions to North America by fungi grown by the northern-most *Trachymyrmex* and *Mycetomoellerius* ant species. *Fungal Ecology*, 44(100878). <https://doi.org/10.1016/j.funeco.2019.100878>
- Senula, S., Scavetta, J. T., Banta, J. A., Mueller, U. G., Seal, J. N., & Kellner, K. (2019). Potential distribution of six North American higher-attine fungus-farming ant (Hymenoptera: Formicidae) species. *Journal of Insect Science* 19(6). <https://doi.org/10.1093/jisesa/iez118>
- Zhang, X., Ning, X., He, X., Sun, X., Yu, X., Cheng, Y., Yu, R.-Q., & Wu, Y. (2020). Fatty acid composition analyses of commercially important fish species from the Pearl River Estuary, China. *Plos One*, 15(1), e0228276. <https://doi.org/10.1371/journal.pone.0228276>

OTHER

- Banta, J. A., Williams, L. R., Ford, N., Kellner, K., Williams, M., Reeder, S., & Dickson, J. (2020). Endangered species research projects on the distribution and abundance of the Texas Heelsplitter (*Potamilus amphicaenus*) and Louisiana Pigtoe (*Pleurobema riddellii*). Comptroller of the State of Texas.
- Hertweck, K., & Banta, J. A. (2019). Final Report: The metabolism and genomics of industrial vs. wild strains of *Clostridium acetobutylicum*. Army Research Office.

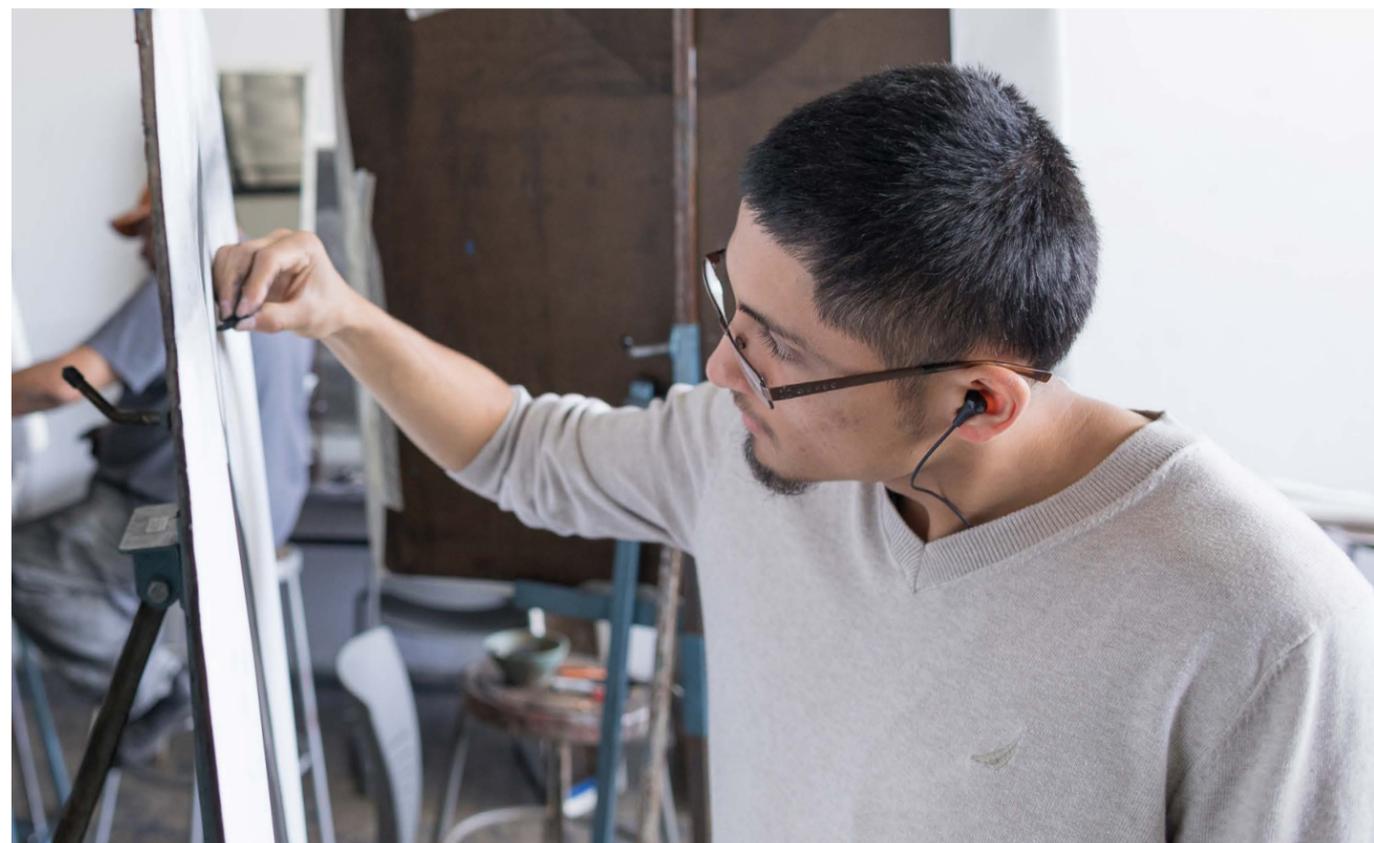
POSTER PRESENTATIONS

Azghani, A. O. (2019, May). Plasminogen Activator Inhibitor-1 Associates with Intrapleural Fibrin in Chronic Empyema in Rabbits. In International Society on Thrombosis and Haemostasis (ISTH). American Thoracic Society.

- Azghani, A. O., & Fancher, S. C. (2020, March). Utilization of Virus-like Particles to Determine the Mechanism of *Pseudomonas aeruginosa* Elastase-Induced Inflammation in Cystic Fibrosis Patients Lungs. In American Society for Microbiology. UT-Tyler.
- Fancher, S. O., Azghani, A., & Patterson, D. (2019, March). Use of Genetically Engineered Nanocarrier to Decipher Host-Pathogen Interactions. In American Society for Microbiology, Texas Branch.
- Griffin, E., Williams, M., Williams, L. R., & Banta, J. A. (2019, Spring). Using Climate Envelope Modeling to Assess the Population Decline of *Faxonius maletae*. In National Collegiate Honors Council Annual Conference. National Collegiate Honors Council.
- Kellner, K., & Seal, J. N. (2019, November). Partner Choice and Fidelity in Fungus Farming Ants. In Annual Meeting of the Entomological Society of America. Entomological Society of America.
- Seal, J. N. (2019, November). Partner Choice and Fidelity in Fungus Farming Ants. In Annual Meeting of the Entomological Society of America. Entomological Society of America.
- Solorza, A., Perez-Garcia, N., Manalac, A. J., Rivero, M. A., Hamouda, A. K., & Bill, B. R. (2019, November). Zebrafish as a Model for Nicotine Cessation. In Texas Zebrafish Meeting. The Texas Zebrafish Community.

PRESENTATIONS

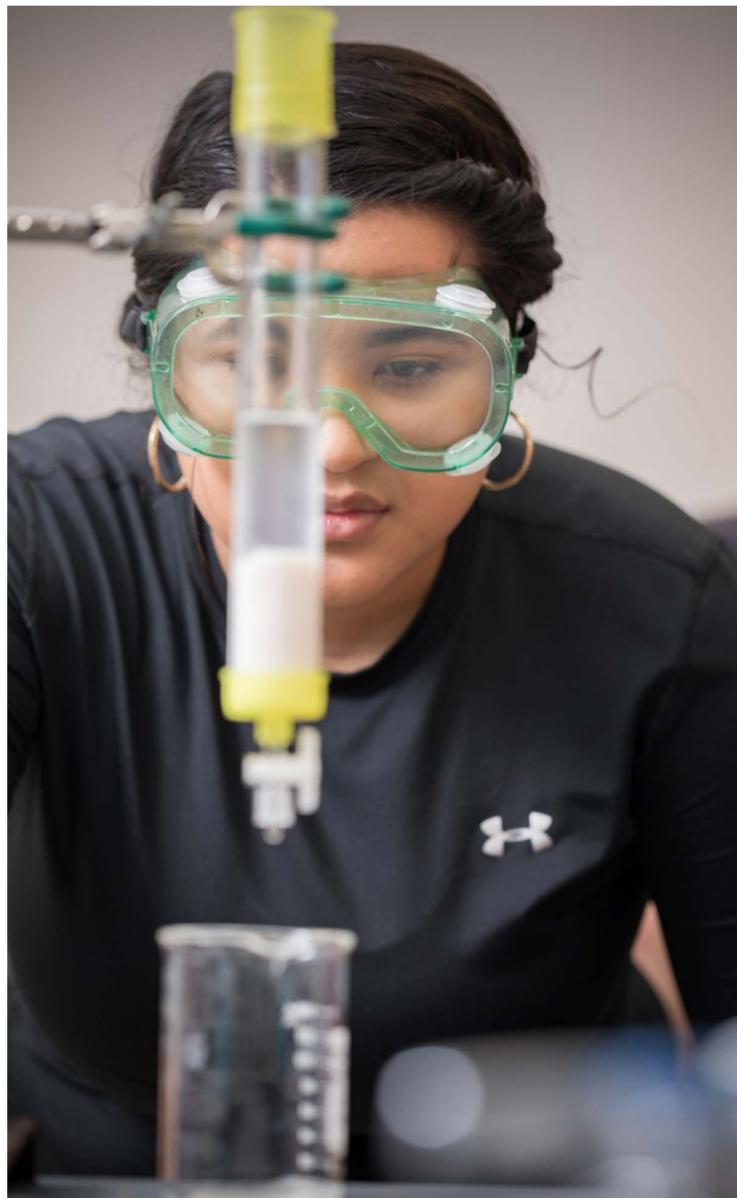
- Banta, J. A. (2020, February). Get to know the Center for Environment, Biodiversity, Conservation at the University of Texas at Tyler. In 62nd Caddo Conference and 27th East Texas Archeological Conference. The University of Texas at Tyler Department of Social Sciences.
- Banta, J. A. (2020, June). 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.
- 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.
- 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. <https://www.brit.org/tpcc>



- Schmidt, S., McLawrence, J. F., Somenahally, A., & Yu, R. (2020, February). Mercury Contamination Characterized by Microbial Hg Methylation Genes in Martin Lake, East Texas for TAS 2020 Meeting. In Conference. Texas Academy of Science, 123rd annual meeting held at Stephen F. Austin State University in Nacogdoches, Texas.
- Seal, J. N., Kellner, K., & Matthews, A. (2019, November). Male-biased dispersal in a female-dispersed symbiosis. In Annual Meeting of the Entomological Society of America. Entomological Society of America.

GRANTS

- Azghani, A. Cytokines Protein Secretion and Gene Expression Modulation by Liposomal-Entrapped Erythromycin, The University of Texas at Tyler (September 1, 2019), USD \$5,000.
- Azghani, A. Delivery of PAI-1-Targeted Intrapleural fibrinolytic therapy for empyema (Year 4), National Institutes of Health through UT Health Science Center at Tyler (January 1, 2020), USD \$35,983.
- Azghani, A. Optimization of a Rabbit Retained Hemothorax Model for Evidence-Based Pharmacologic Interventions, National Institutes of Health (August 15, 2020), USD \$26,610.
- Banta, J. Lower Neches Survey of the Endangered Species Texas Heelsplitter Mussel, Texas Comptroller of Public Accounts (September 1, 2019), USD \$67,214.
- Bill, B. (PI), Manalac, A.J. (Co-PI). Beta Beta Beta Student Research 2019-2020, Beta Beta Beta Biological Honor Society (November 4, 2019), USD \$450.
- Chan, C. A genetic circuit approach to create living diagnostics, The University of Texas at Tyler (September 1, 2019), USD \$10,000.
- Gray, N. Palm Commodity Survey – Texas, USDA-Animal and Plant Health Inspection Service Through Texas A&M University (September 1, 2019), USD \$24,000.
- Kellner, K. Microbiomes of harvester ants - do ants use biological control to protect their seed deposits?, The University of Texas at Tyler (September 1, 2019), USD \$9,960.
- Powell, C. Exotic Pine Defoliator Group Survey for East Texas, USDA-Animal and Plant Health Inspection Service (May 15, 2020), USD \$19,144.
- Seal, J. Travel Supplement for NSF Project “CAREER: Mechanisms of specificity and homeostasis in an obligate symbiosis: discovery-based research at a regional university”, National Science Foundation (March 30, 2020), USD \$2,322.
- Williams, L. Stream Biomonitoring at Ft. Polk, Louisiana, Gulf South Research Corp. (April 1, 2020), USD \$29,932.
- Williams, L. Camp Bowie and Camp Maxey Aquatic Fauna Survey, Texas Military Department (June 11, 2020), USD \$68,903.
- Yu, R. Mercury Contamination in East Texas Lakes: Detection by Microbial HG Methylation Genes, The University of Texas at Tyler (September 1, 2019), USD \$10,000.



Chemistry and Biochemistry

JOURNAL PUBLICATIONS

- Beaver, J. W., Miller, K. V., Medina-Plaza, C., Dokoozlian, N., Ponangi, R., Blair, T., Block, D., & Oberholster, A. (2019). Heat-dependent desorption of proanthocyanidins from grape-derived cell wall material under variable ethanol concentrations in model wine systems. *Molecules* (Basel, Switzerland), 24(19), 3561. <https://doi.org/10.3390/molecules24193561>
- Beaver, J. W., Medina-Plaza, C., Miller, K. V., Dokoozlian, N., Ponangi, R., Blair, T., Block, D., & Oberholster, A. (2020). Effects of the Temperature and Ethanol on the Kinetics of Proanthocyanidin Adsorption in Model Wine Systems. *Journal of Agricultural and Food Chemistry*, 68(10), 2891–2899. <https://doi.org/10.1021/acs.jafc.9b02605>
- Medina Plaza, C., Beaver, J. W., Miller, K. V., Lerno, L., Dokoozlian, N., Ponangi, R., Blair, T., Block, D. E., & Oberholster, A. (2019). Cell wall-anthocyanin interactions during red wine fermentation-like conditions. *American Journal of Enology and Viticulture*, 71(2), 149-156. <https://doi.org/10.5344/ajev.2019.19063>
- Miller, K. V., Noguera, R., Beaver, J., Oberholster, A., & Block, D. E. (2019). A combined phenolic extraction and fermentation reactor engineering model for multiphase red wine fermentation. *Biotechnology and Bioengineering*, 117(1), 109-116. <https://doi.org/10.1002/bit.27178>

POSTER PRESENTATIONS

- Boyd, L. E., Johnson, L. A., & King, J. M. (2020, March). UT Tyler ACS Student Chapter. In American Chemical Society National Meeting. ACS.

PRESENTATIONS

- Black PhD, S. D., & Sturrock, G. N. (2020, March 22). Chemical planomics: A new phenomenon. In American Chemical Society Spring meetings in Philadelphia, PA. American Chemical Society. (Conference canceled)

GRANTS

- Mason, R. Joint Admission Medical Program FY2020, Joint Admission Medical Program Council (September 1, 2019), USD \$12,771.
- Shtoyko, T. Welch Foundation Departmental Grant FY2021-2023, Welch Foundation (June 1, 2020), USD \$120,000.

Communication

CHAPTERS

- Day, A. (2019). Systemic racism, Twitter, and a typology: A content analysis of #FlintWaterCrisis tweets. In *Twitter: Global perspectives, uses and research techniques* (pp. 81–116). Nova Science Publishers.

CREATIVE PRODUCTIONS

- Joyner, V. B. (2019, December 6). Launched VaNess Designs. In <https://shopvida.com/collections/vanessa3653>. Vida. <https://shopvida.com/collections/vanessa3653>

JOURNAL PUBLICATIONS

- Day, A. M., O'Shay-Wallace, S., Seeger, M. W., & McElmurry, S. P. (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>
- Novak, J. M., Day, A. M., Sopory, P., Wilkins, L., Padgett, D. R., Eckert, S., Noyes, J., Allen, T., Alexander, N., Vanderford, M., & Gamhewage, G. (2019). Engaging communities in emergency risk and crisis communication: A systematic review and evidence synthesis. *Journal of International Crisis and Risk Communication Research*, 2(1), 61-96. <https://doi.org/10.30658/jicrcr.2.1.4>
- Sopory, P., Day, A. M., Novak, J. M., Eckert, K., Wilkins, L., Padgett, D. R., Noyes, J. P., Barakji, F. A., Liu, J., Fowler, B. N., Guzman-Barcenas, J. B., Nagayko, A., Nickell, J. J., Donahue, D., Daniels, K., Allen, T., Alexander, N., Vanderford, M. L., & Gamhewage, G. M. (2019). Communicating uncertainty during public health emergency events: A systematic review. *Review of Communication Research*, 7, 67–108. <https://doi.org/10.12840/ISSN.2255-4165.019>

OTHER

- Joyner, V. B. (Ed.). (2020). 5P's Card Game. Retail Production.

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. <https://www.media-ecology.org/2020-convention>

Day, A. M. (2019, November). Boil Water Advisories as Health Risk Communication: Consistency between CDC Guidelines and Local News Media Articles. In 105th National Communication Association Conference. Applied Communication.

Day, A. M. (2019, November). "If I didn't have animals, I would have absolutely evacuated": Pet Owner Identity, Sense-Making, and Crisis Communication surrounding Hurricane Harvey. In 105th National Communication Association Conference. Applied Communication Division.

Day, A. (2019, November). Resilience and survival: Established and emerging perspectives. In 105th National Communication Association Conference. Applied Communication.

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.

Scheinfeld, E., Crook, B., & Perry, C. (2019, November). Applying the Theory of Motivated Information Management to Young Adults' e-Cigarette Use. In National Communication Association Annual Conference Health Communication Division. National Communication Association.

Scheinfeld, E., & Lake, P. K. (2019, November). Why is it just so hard: Making sense of end of life communication between adult children and their terminally ill parents. In National Communication Association.

Scheinfeld, E., & Lake, P. K. (2019, November). Why is it just so hard? Surviving end of life communication between family members. In National Communication Association Annual Conference Health Communication Division.



Literature and Languages

CHAPTERS

Bock, G. L., Bock, J. L., & Smith, K. (2019). Black Museum and Righting Wrongs: Should We Seek Revenge? In *Black Mirror and Philosophy: Dark Reflections* (pp. 187–196). Wiley-Blackwell.

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., & Lewis, C. (2020). Falling off the Edge of the Earth. In *Conspiracy Theories and Philosophy: Philosophers Connect the Dots* (pp. 59–69). Open Court.

Kelly, M. (2019). Using Video Games to the Test the Boundaries Between Work, Play, and Cultural Criticism: The Labor of Critique. In *Humans at Work in the Digital Age: Forms of Digital Textual Labor* (pp. 205–222). Routledge.

Propper, T. (2020). "Epideictic Rhetoric and Emergent Media: From CAM to BLM" In *Feminist Rhetorical Connections: From the Suffragists to the Cyberfeminists* (p. 20).

Wu, H. (2020). Chapter Eight: From Oratory to Writing: An Overview of Chinese Classical Rhetoric (500 BCE-220 CE). In *Routledge Handbook of Comparative World Rhetorics*. Routledge. <https://www.routledge.com/The-Routledge-Handbook-of-Comparative-World-Rhetorics-Studies-in-the-History/Lloyd/p/book/9780367409029>

JOURNAL PUBLICATIONS

Bock, G. L. (2020). The End of Religious Exemptions from Immunization Requirements? *Journal of Medical Ethics*, 46, 114–117.

Kelly, M. (2019). Thinking Globally at the Microbial Level: Plague Inc. and the Cultivation of Systems Literacy in a Globalist Era. *First Person Scholar*. <http://www.firstpersonscholar.com/thinking-globally-at-the-microbial-level/>

Paquet, P. L. (2019). Probing the evidence: Can we bridge the theory-practice gap in language research? *Book Review. Emerging Trends in Education*, 2(3), 76–79.

OTHER

Wu, H. (2019). Oral History of Rhetoric Society of America. Conference of Rhetoric Society of America. <http://rhetoric.org/oralhistory/items/show/20>

POSTER PRESENTATIONS

Paquet, P.-L., & Woll, N. (2020). A crosslinguistic approach to teaching initial-stage learners of French and Spanish as a third language. In *AAAL2020. American Association of Applied Linguistics*. (Conference Canceled)

PRESENTATIONS

Bock, G. L. (2019, November 20). Understanding Joseph Butler's sermons on resentment and forgiveness. Evangelical Philosophical Society Annual Meeting, San Diego, CA.

Bock, G. L. (2019, November 24). Vaccination requirements: Parental rights and responsibilities. Annual Meeting of the American Academy of Religion, San Diego, CA.

Bock, G. L. (2020, February). The Philosophy of Forgiveness, Breakfast with an Author. In Association of Practical and Professional Ethics.

Bock, G. L. (2020, February). The Place of Anger in an Ethics of Love. In Association of Practical and Professional Ethics.

Bock, G. L. (2020, March). The Hope of Forgiveness in a Time of Crisis. In American Academy of Religion, Southwest. (Conference Canceled)

Jessop, A. K. (2020, March 21). Modernist revisionist mythmaking: Laura Riding's Lilithian poetics. American Comparative Literature Association Annual Conference, Chicago, IL. (Conference canceled)

Jessop, A. K. (2020, April). Modernism for girls: Laura Riding's primers. The Feminist inter/Modernist Association Annual Conference. Chicago, IL. (Conference postponed)

Kelly, M. (2020, March). Examining global issues at the microbial level: Using digital simulations and game-based writing projects to foster systems literacy in the English classroom. College English Association Annual Conference. Hilton Head, SC. (Conference canceled)

Kelly, M. (2020, May). The game of hospitality: Rethinking ethical responsibility and online vulnerability in the role-playing video game *Dark Souls*. Rhetoric Society of America Annual Conference. Portland, OR. (Conference canceled)

Paquet, P.-L. (2019, October). Crosslinguistic awareness in L3 classroom at the university level. Texas Language Education Research Conference. University of Texas at San Antonio, San Antonio, TX.

Paquet, P. L., & Woll, N. (2020). Promoting Plurilingual Practices in Higher Education: A Crosslinguistic Approach to Teaching Additional Languages in Quebec & Mexico. In *Speaker Series, Plurilingual Lab*. McGill University.

Propper, T. (2019, November 15). Epideictic rhetoric and emergent media: From CAM to BLM. *Feminisms and Rhetorics Conference*. James Madison University, Harrisonburg, VA.

Rowntree, M., & Shelton, S. (2020, March). Posthuman praxis: Challenging stories of pedagogy and place. Conference on College Composition and Communication. Milwaukee, WI. (Conference canceled)

Standridge, E. (2020, Spring). A new wave in assessing writing centers: Tutor SLOs. College English Association Conference. Hilton Head, SC. (Conference canceled)

Strong, D. (2019, September 14). The interior thought of Edith Stein's phenomenology. Conference of Christianity and Literature, Dallas, TX.

Strong, D. (2019, October 19). The fool's spoken empathy. Sixteenth Century Society and Conference. Saint Louis, MO.

Tilghman, C. M. (2020, March). Fleshly excess and spiritual discernment in The Book of Margery Kempe. College English Association Annual Conference, Hilton Head, SC. (Conference canceled)

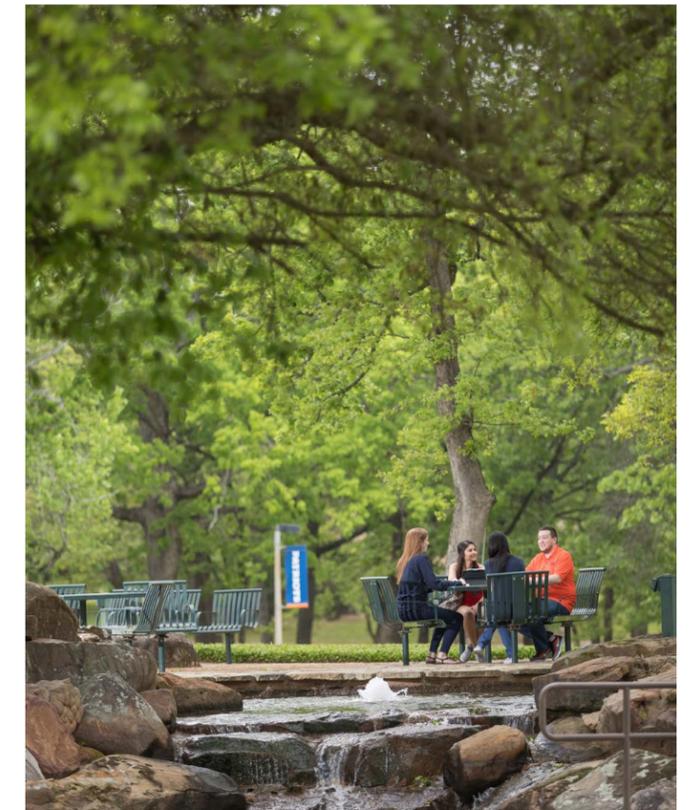
Wu, H. (2020, March). Recovering Rhetorical Women in Ancient China. In Conference on College Composition and Communication. National Council for Teachers of English.

Wu, H. (2020, April). How an innovative curriculum changes the career prospect for the English major? East Texas Research Conference, Tyler, TX. (Conference canceled)

Wu, H. (2020, May). Rhetorical genre study as hospitality to represent Chinese rhetoric. Rhetoric Society of America Annual Conference. Portland, OR. (Conference canceled)

REVIEWS

Rowntree, M. (2020). Review of the book *True and living prophet of destruction: Cormac McCarthy and modernity*, by Nicholas Monk. *South Central Review*, 37(1), 138-140. <https://doi.org/10.1353/scr.2020.0004>



Mathematics

JOURNAL PUBLICATIONS

- Anders, K., Crans, A. S., Foster-Greenwood, B., Mellor, B., & Tymoczko, J. (2020). Graphs admitting only constant splines. *Pacific Journal of Mathematics*, 304(2), 385–400. <https://doi.org/10.2140/pjm.2020.304.385>
- Archer, K., Bishop, A. C., Diaz-Lopez, A., Garcia Puentes, L. D., Glass, D., & Louwsma, J. (2020). Arithmetical structures on bidentoids. *Discrete Mathematics*, 343(7). <https://doi.org/10.1016/j.disc.2020.111850>
- Bergelson, V., & Vandehey, J. (2019). A hot spot proof of the generalized wall theorem. *The American Mathematical Monthly*, 126(10), 876–890. <https://doi.org/10.1080/00029890.2019.1651166>

PRESENTATIONS

- Anders, K., Arreola, D., Ireland, C., & Smith, L. (2020, January 15). Graph splines and the universal difference property. AMS Special Session on Research in Graph Theory and Combinatorics by Research Experience for Undergraduate Faculty (REUF) Alumni and Their Students at Joint Mathematics Meetings. American Mathematical Society and Mathematical Association of America, Denver, Co.
- Archer, K., & Graves, C. (2019, November 2). Pattern-avoiding permutations composed of only 3-cycles. AMS Southeastern Sectional Meeting, American Mathematical Society, Gainesville, FL.
- Archer, K. (2020, January 17). λ -unimodal involutions and the Gelfand character. Joint Mathematics Meetings. American Mathematical Society and Mathematical Association of America, Denver, CO.
- Dawsey, M. L. (2019, November 2). Congruences for powers of $p(n)$. AMS Sectional Meeting Special Session on “Partition Theory and Related Topics”, permutations composed of only 3-cycles. AMS Southeastern Sectional Meeting, American Mathematical Society, Gainesville, FL.

GRANTS

- Dawsey, M. AMS-Simons Travel Grant 2020, American Mathematical Society (July 1, 2020), USD \$5,000.

Music

CREATIVE PERFORMANCES

- Gullings, K. (2020, February). Performance of Original Composition – Theatrics, for Trumpet Ensemble. Texas Music Educators Association Convention, San Antonio, TX.
- Gullings, K. (2020, March). Performance of Original Composition – The Flow of How Things Will Go, for Alto Saxophone and Live Manipulated Electronics. College Music Society South Central Regional Conference. University of Central Arkansas, Conway AR.
- McBain, J. (2019, September 14). Gershwin Cuban overture. East Texas Symphony.
- McBain, J. (2019, October 5). Tchaikovsky Symphony 5, Mozart Concerto No. 21. Masterworks I Concert. Texarkana Symphony Orchestra.
- McBain, J., Biondini, J., & McBain, K. (2019, October 27). Fantango by Kevin McKee. Faculty Recital with Guest Pianist Judy Biondini. University of Texas at Tyler.
- McBain, J. (2019, November 2). Blockbuster movie themes. Pops I Concert. Texarkana Symphony Orchestra.
- McBain, J. (2019, November 9). Strauss Also Sprach Zarathustra Prelude, Aurora Triptych by John Estacio. East Texas Symphony.
- McBain, J. (2019, November 12). Rutter Gloria and other works for Brass, Organ, and Choir. Fall Festival Concert.
- McBain, J. (2019, December 10). ETSO Holiday Brass Bash. ETSO Brass and Rose City Brass. East Texas Symphony.
- McBain, J. (2019, December 15). Christmas at the Perot. Holiday Pops Concert. Texarkana Symphony Orchestra.
- McBain, J. (2019, December 22). Handel Messiah. Holiday Masterworks Concert.
- McBain, J. (2020, January 29). Smetana Moldau, Williams Raider’s March from Indiana Jones, Mendelssohn Hebrides Overture, Glazunov The Forest, Handel Hornpipe from Water Music. Student Concerts. Texarkana Symphony Orchestra.
- McBain, J., & Gullings, K. (2020, February 13). Music Showcase: UT Tyler Trumpet Ensemble. Texas Music Educators Association Convention.
- McBain, J. (2020, February 22). Stravinsky Firebird, Mendelssohn Hebrides Ovt., Sparr Concerto for Elec. Guitar, Lyadov Enchanted Lake. Masterworks II Concert. Texarkana Symphony Orchestra.
- Park, S. E. (2019). Bachianas Brasileiras No. 5. East Texas Symphony Orchestra. East Texas Symphony.
- Roberts, S. (2019, September 14). Saxophonist with the Longview Symphony. Longview Symphony “Voyage a Paris”.
- Roberts, S. (2019, October 26). Saxophonist with the Shreveport Symphony. Shreveport Symphony Masterworks Concert.
- Roberts, S. (2019, October 27). Faculty Recital with Special Guest Judy Biondini. Faculty/Guest Recital.

- Roberts, S. (2020, January 26). Jazz Combo Performance. Jazz Brunch as part of the First Presbyterian Church Concert Series.
- Roberts, S. (2020, January 29). Saxophonist with the Texarkana Symphony. Texarkana Symphony Children’s Concerts.
- Roberts, S. (2020, February 29). Performance with the Plano Symphony Big Band and Cary Hoffman. 2020 Plano Symphony Gala. Plano Symphony Orchestra.
- Roberts, S., & Gullings, K. (2020, March). Premiered new composition by composer Kyle Gullings. In College Music Society South Central Conference.
- Roberts, S. (2020, May 24). UT Tyler Jazz Camp Faculty Virtual Concert. UT Tyler Jazz Camp.
- Woodrow, H. (2020, April). Premiere of Transition for soprano saxophone and piano by Haley Woodrow. In S. Roberts & E. Daughtery (Eds.), Society of Composers, Inc. Region VI Conference.

CREATIVE PRODUCTIONS

- Roberts, S. (2019, September 21). Trumpet Bells of Christmas. In Cancer Blows Christmas Video. Cancer Blows.

PRESENTATIONS

- McBain, J. (2019, September). TMEA/ATSSB All-State Jazz Trumpet. In All-State Instrumental Jazz Workshops.
- McBain, J. (2019, September). TMEA/ATSSB All-State Trumpet. In All-State Instrumental Workshops.
- McBain, J. (2019, November 22). Brass Masterclass. College Showcase 2019.
- McBain, J. (2020, June). Trumpet Fundamentals Masterclasses. Jazz Camp.
- Roberts, S. (2020, May 12). Landing a Job, Keeping a Job, and the Space Between. Saxophone Studio Class Online! Daily Masterclass. Saxophone Studio Class Online - author Nathan Nabb.
- Roberts, S., & Bell, M. (2020, May 13). Jack-in-the-Box: A Mnemonic Approach to Jazz Style. 2020 Iowa Bandmasters Association Convention. Iowa Bandmasters Association.
- Roberts, S. (2020, June 25). The Improvisational Expressway. Region 7 Fine Arts Festival. Region 7.



History and Political Science

BOOKS

- Bryant, K., Lopez, E. A., & Owens, M. (2020). *Game of politics: Conflict, power, & representation*. UT Tyler Press.
- Lopez, E. A., Stadelmann, M. A., & Sterken, R. E. (2020). *Uncovering Texas politics in the 21st century*. UT Tyler Press.
- Stadelmann, M. A. (2020). *Political science for dummies*. John Wiley & Sons, Inc.
- Stadelmann, M. A. (2020). *U.S. presidents for dummies*. 2nd ed. John Wiley & Sons, Inc.

CHAPTERS

- McWhorter, R. R., Rueter, J., Owens, M., Neel, J. L., & Doepker, G. M. (2020). Examining adult learning of “giving back” initiatives. In Okojie, M. C., & Boulder, T. C (Eds.), *Handbook of research on adult learning in higher education*. IGI Global. <http://doi:10.4018/978-1-7998-1306-4>
- Snider, C. (2019). Gender and memory in truth projects in Brazil. In Vanden, H.E., & Prevost, G. (Eds.), *Oxford encyclopedia of Latin American politics*. Oxford University Press. <https://doi.org/10.1093/acrefore/9780190228637.013.1731>
- Snider, C. (2019). “Passing through a critical moment”: The United States and Brazilian university reform in the 1960s. In Garcia, O. J. M., & Gomez-Escalonilla, L. D. (Eds.), *Teaching modernization: Spanish and Latin American educational reform in the cold war* (pp. 195–220). Berghahn Books.
- Wahlrab, A. (2020). *Global studies*. In N. Sandal (Ed.), *Oxford research encyclopedia of international studies* (pp. 1–29). Oxford University Press. <https://doi.org/10.1093/acrefore/9780190846626.013.555>

JOURNAL PUBLICATIONS

- Mwanzia Koster, M. (2020). The History of Field Marshall Baimungi: An “Invisible” Freedom Fighter in Meru. *Routledge Encyclopedia of African Studies*.
- Sterken, R. E., Jr. (2020). Book review [Review of the book *Populism in southeast Asia*, by Paul D. Kenny]. *Populism*, 3(1), 141-143. <https://doi.org/10.1163/25888072-BJA10002>
- Skonieczny, A., & Wahlrab, A. (2019). Introduction to the special issue on exploring global populisms. *Populism*, 2(2), 105-109. <http://doi:10.1163/25888072-02021027>

POSTER PRESENTATIONS

- Bryant Jr., K., Owens, M., & Wink, K. A. (2020, May). How did a split-debate stage impact voters? A view from Texas. American Association for Public Opinion Research.
- Paul, G., & Owens, M. (2020, June 11). ¡Qué opinión tienes!: Diverse talents of students at a Texas university. AAPOR Annual Meeting. American Association of Public Opinion Researchers, Virtual.

PRESENTATIONS

- Bryant, K., Owens, M., & Wink, K. A. (2020, March). Debate effects in the Texas electorate: When there are ‘more candidates than you can shake a stick at’. The Citadel Symposium on Southern Politics, The Citadel, Charleston, SC.
- Bryant Jr., K., & Masthay, T. (2020, April). Rethinking issue ownership: The partisan legacy of #MeToo. Midwest Political Science Association Conference, Chicago, IL, United States. (Conference canceled)
- Bryant Jr., K., & Masthay, T. (2020, April 9). Sub-issue ownership: Sex crimes, #MeToo, and political parties. Western Political Science Association Annual Meeting, Los Angeles, CA, United States. (Conference canceled)
- LeBlanc, J. R. (2019, October). Walking papers: Politics and Shehadeh’s walks in a vanishing political landscape. Association for Political Theory Annual Meeting, Irvine, CA.
- LeBlanc, J. R. (2020, Spring). Diagnosing Palestinian spectrality in Darwish’s *In the Presence of Absence*. Western Political Science Association Annual Meeting. (Conference canceled)
- LeBlanc, J. R., & Simmons, W. P. (2020, Spring). Terror, nihilism, and joy: Reconsidering Camus’ confrontation with political violence. Western Political Science Association Annual Meeting. (Conference canceled)
- Link, M. (2019, November 17). Specters of empire: Remembrance of the great war in the Irish free state, 1914-1937. North American Conference on British Studies Annual Conference, Vancouver, British Columbia.
- Link, M. (2020, February). “The price of victory: British imperialism, World War I commemoration, and a free Ireland”. World History Association of Texas, St. Edward’s University. (Conference canceled)
- Mwanzia Koster, M. (2019, October 25). Violence in Kenya: Historical and political perspectives 1963-2019. African Studies Association of Africa Conference, Nairobi, Kenya.
- Mwanzia Koster, M. (2019, October 26). Can multiple knowledge systems really exist in modern Kenya? A case study of rain traditions, Machakos, Kenya 2017-2018. African Studies Association of Africa Conference, Nairobi, Kenya.

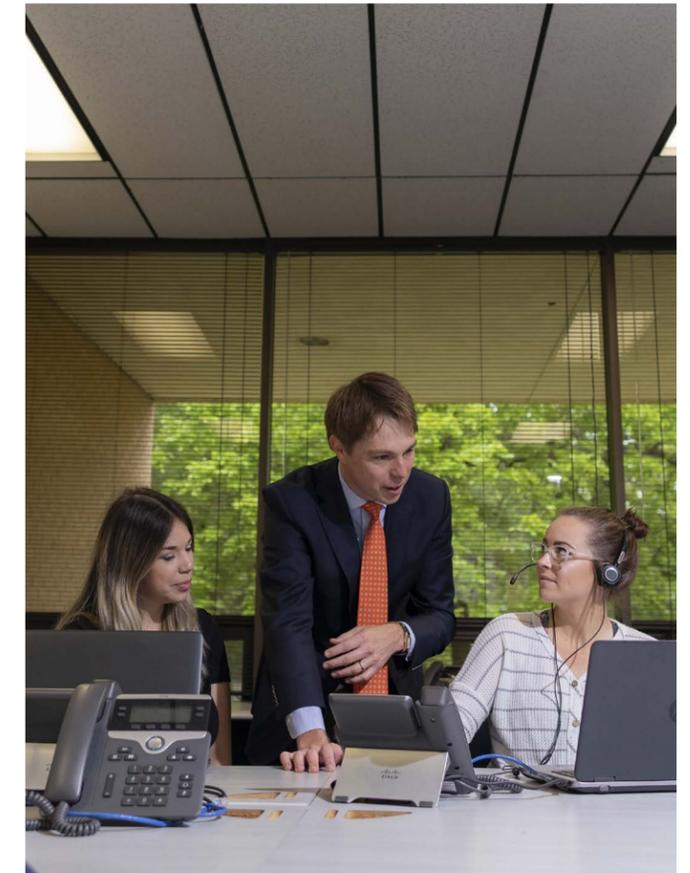
- Mwanzia Koster, M. (2020, January). Analyzing Dedan Kimathi on Trial. In Book Launch/Presentations and Discussions, United States International University, Nairobi, Kenya. United States International University.
- Mwanzia Koster, M. (2020, February). Just Mercy Film Analysis: African Americans and the USA Criminalization System. In Black History Event, African American Association Kenya, Nairobi, Kenya. African American Association of Kenya.
- Mwanzia Koster, M. (2020, May). The Covid-19 Encounter and the State of Africa and the African Diaspora: Challenges and Opportunities [Keynote]. Conference sponsored by African Centre for the Study of the United States, University of the Witwatersrand, Johannesburg.
- Owens, M. (2020, June 30). Changes in attitudes: Nothing remains quite the same with opinions on absentee voting. Election Science, Reform, and Administration Conference, University of Florida, Gainesville, FL. <https://electionscience.clas.ufl.edu/esra2020/>
- Snider, C. M. (2020, January). Democratic Struggles in Brazil’s “Long 1970s”: Student Resistance and the Dialectics of Higher Education in Brazil, 1969–85. The Conference on Latin American History (CLAH)/American Historical Association (AHA) Annual National Conference, New York, NY.
- Snider, C. M. (2020, February). “The Hero Will Be Dom Pedro I’: Imperial Memories in Authoritarian Brazil.” In World History Association of Texas. World History Association of Texas. (Conference canceled)
- Snider, C. (2020, March 6). Authoritarianism, neoliberalism, and evangelicalism: The historical roots of Jair Bolsonaro’s educational policies. Southeastern Council of Latin American Studies (SECOLAS) – Annual Conference. Austin, TX.
- Stadelmann, M. A., & Carter, J. (2019, October). The populist right and the future of the European Union. Clute International Academic Conference for Business, Las Vegas, NV.
- Sterken Jr., R. E. (2019, October). Peace and conflict in Myanmar: An examination of the institutions and the resilience of the Myanmar people since the 1988 uprising. Varieties of Peace Asia Conference, Center for Strategic and International Studies, Jakarta, Indonesia.
- Stith, M. M. (2019, October). “Bruins behind the pine curtain: A cultural and environmental history of black bears in East Texas. Gulf South History and Humanities Conference, Pensacola, FL.
- Tabri, E. (2020, April 3). Philibert de Vienne’s *Philosophe de Cour*: Sources and influences. Cincinnati Conference on Romance Languages and Literature. University of Cincinnati, Cincinnati, OH.
- Wahlrab, A. (2019, September 28). Global Islam: A case of populism. International Studies Association West, Pasadena, CA.
- Wahlrab, A. (2020, March). Mobilizing global Islam: The post-caliphate caliphate. International Studies Association Annual Meeting, Honolulu, HI. (Conference canceled)

REVIEWS

- Newsom Dr., J. L. (2019). War in East Texas: Regulators vs. Moderators [Review of the book *War in East Texas: Regulators vs. Moderators* by Bill O’Neal]. *Journal of Southern History*, 85(3), 684–685. <https://doi.org/10.1353/soh.2019.0184>
- Snider, C. (2019). Exile within exiles: Herbert Daniel, gay Brazilian revolutionary [Review of *Exile within exiles: Herbert Daniel, gay Brazilian revolutionary*, by James N. Green]. *Canadian Journal of Latin American and Caribbean Studies*, 44(3), 385–401. <https://doi.org/10.1080/08263663.2019.1653698>
- Sterken Jr., R. E. (2020). Populism in Southeast Asia [Review of the book *Populism in Southeast Asia*, by Paul D. Kenny]. *Populism*, 3(1), 141–143. <https://doi.org/10.1163/25888072-BJA10002>

GRANTS

- Bryant, K. Center for Opinion Research 2020 Texas Primary Poll, The University of Texas at Tyler (September 1, 2019), USD \$9,746.
- Sterken, R. Religion and the State: Buddhism, Civic Engagement, and Social Control in Asia, The University of Texas at Tyler (September 1, 2019), USD \$4,363.



Social Sciences

JOURNAL PUBLICATIONS

- Bailey, D. J. S., & Klein, J. L. (2020). Applying Lessons from Sex Offender Registries Rollouts to New Registries for Protection Orders in Texas. *Sex Offender Law Report*, 21(1), 2–7. https://www.civresearchinstitute.com/online/article_abstract.php?pid=7&iid=1417&aid=9218
- Beach, T., Luzzadder-Beach, S., Krause, S., Guderjan, T., Valdez, F., Fernandez-Diaz, J. C., Eshleman, S., & Doyle, C. (2019). Ancient Maya wetland fields revealed under tropical forest canopy from laser scanning and multiproxy evidence. *Proceedings of the National Academy of Sciences of the United States of America*, 116(43), 21469–21477. <https://doi.org/10.1073/pnas.1910553116>
- Dardati, E., & Saygili, M. (2020). Foreign production and the environment: does the type of FDI matter?, *International Review of Applied Economics*, 34:6, 721- 733. <https://doi.org/10.1080/02692171.2020.1775791>
- Edwards, T. D., & Gautier, L. (2020). Measuring net environmental impact from population growth and alternative energy. *Journal of Population and Sustainability*, 5(1), 67–87. https://jpopus.org/full_articles/measuring-net-environmental-impact-from-population-growth-and-alternative-energy/
- Fikru, M. G., & Gautier, L. (2020). Are big mergers welfare enhancing when there is environmental externality? *Energy Economics*, 87, 104718. <https://doi.org/10.1016/j.eneco.2020.104718>
- Guderjan, T. H., Hanratty, C., & Kwoka, J. (2019). LiDAR reveals stone boundary markers surrounding ancient Maya houselots in Belize. *Mexicon*, 41(3), 96-97.
- Johnny, J., Bowen, K. N., & Helfers, R. C. (2019). A new model for law enforcement management and leadership pedagogy for the 21st Century. *Law Enforcement Executive Forum*, 19(4), 26–38.
- Sills, E. C., & McKillop, H. I. (2020). Coastal Obsidian Exchange: Perspectives from the Paynes Creek Salt Works, Belize. *Research Reports in Belizean Archaeology*.
- Stathopoulou, E., & Gautier, L. (2019). Green alliances and the role of taxation. *Environmental and Resource Economics*, 73(2), 1189–1206. <https://doi.org/10.1007/s10640-019-00364-5>

OTHER

- Nhan, J., Bowen, K., & Helfers, R. (2019, November 14). TCU's LEAD Program: A New Model for Law Enforcement Management and Leadership Pedagogy for the 21st Century. 2019 ASC Annual Meeting, San Francisco, CA.

POSTER PRESENTATIONS

- Reynolds, P., & Helfers, R. (2019, November 14). Perceptions of Being a Blue-Blood: A Phenomenological Study. 2019 ASC Annual Meeting, San Francisco, CA.
- Sills, E. (2019, November 22). Ancient Maya Pottery Standardization at the Paynes Creek Salt Works, Belize. American Anthropological Association Annual Meeting 2019, Vancouver, BC.

PRESENTATIONS

- Bailey, D. J. S., Klein, J. L., Cooper, D. T., & Sample, L. L. (2019, November 19). Examining the economic impact of the sex offender registry on registrants. American Society of Criminology 75th Annual Meeting, San Francisco, CA. <https://convention2.allacademic.com/one/asc/asc19/>
- Doty, S. S. (2019, October 4). First National Invest in Girls Camp: The Texas Experience. 58th Annual Financial Literacy and Economic Education Conference, Los Angeles.
- Doty, S. (2020, February 27). Professional Development Outreach: What Works. 40th NAAE Professional Development Conference, Jacksonville, Florida.
- Helfers, R. C. (2019, October 15). Cultural Diversity - Adult Program. 24th Annual Conference of the Texas Community Service Association, Tyler, TX.
- Helfers, R., & Reynolds, P. (2019, October 17). Exploring the Relationship Between Anti-Police Sentiment, POS, And Perceived Danger Among Police Officers. Southwestern Association of Criminal Justice Annual Conference, Houston, TX.
- Lincoln, H., Bowen, R., Kwoka, J., Quiroz, C., Pastrana, A., Austin, K., Ruhl, T., Savoie, G., & Guderjan, T. (2019, October 19). A Summary of Ongoing Excavations at the Site of Tz'unun. 2019 South-Central Conference on Mesoamerica, Baton Rouge, LA.
- Saygili, M. (2020, June 3-5). Foreign Production and the Environment: Does the Type of FDI Matter? Association of Environmental and Resource Economists 2020 Virtual Conference.
- Scott, D. (2019, October 17). Addressing Offender Characteristics in Strangulation/Domestic Violence Investigations in the State of Texas. Southwestern Association of Criminal Justice 2019 Conference, Houston, TX.
- Scott, D. (2019, October 17). The Impact of Domestic Violence High Risk Teams (DVHRT) In Texas In Metropolitan and Rural Areas. Addressing the Lethality in High Risk Cases and Provided A Team Approach for Victim Safety and Offender Accountability. Southwestern Association of Criminal Justice 2019 Annual Conference, Houston, TX.
- Scott, D. M. (2020, February). Modern Slavery and Human Trafficking. In Great Decisions Global Affairs Discussion Program. League of the American Association of University Women (AAUW).

- Sills, C. E., McKillop, H., & Foster, C. (2019, October 19). Identification of Activities Using Sediment Chemistry at Ta'ab Nuk Na, an Ancient Maya Salt Work. 10th Annual South-Central Conference on Mesoamerica – 2019. Baton Rouge, LA.
- Wink, K. A. (2020, March). Debate Effects in the Texas Electorate: When There are 'More Candidates Than You Can Shake a Stick At. The 2020 Citadel Symposium on Southern Politics, Charleston, SC.



College of Education & Psychology

Academic scholarship takes many forms. This becomes evident in the work of Ernest Boyer. He divides scholarship into discovery, integration, application, and teaching/learning. Each of these takes the academician onto unexplored paths, increasing our understanding of the discipline being researched. When Isaac Newton said he was standing on the shoulders of giants in regard to his own research, he was discussing this continual building of knowledge and understanding that is pursued in academic circles.

The College of Education and Psychology is consistently adding to the foundation that increases the understanding of our disciplines. Research into anxiety, math cognition, dementia, motivation, social emotional learning, leadership, reading and math literacy, and more, provide interesting insight into human behavior.

Creating this insight leads to academic scholarship, but it has a greater impact. It keeps the scholar on the cutting edge of his/her discipline, resulting in the development of students through relevant teaching, and often through shared research projects. Developing others through both teaching and research helps build the next generation of business, community, and university leaders.

The College of Education and Psychology uses research for both instructional and leadership efficacy, leveraging the process of scholarship for student growth while building understanding within the discipline. This is a process that academia knows well, as it is one of the pillars of university life.

Dr. Wesley Hickey,
Dean of Education and Psychology

Psychology and Counseling

CHAPTERS

- Green, B. A., Arnau, R. C., Carnes, P. J., & Carnes, S. (2019). Efficiency and Accuracy of the SAST-R in Screening for Potential Sex Addiction Cases in a Large, Non-Clinical, Online Sample. In Clinical Management of Sex Addiction. In P. J. Carnes & K. M. Adams (Eds.), *Clinical Management of Sex Addiction* (2nd ed., pp. 40–57). Routledge.
- Maciel, I. V., & Barnett, M. D. (2019). Older Adulthood. In A. D. Lykins (Ed.), *Encyclopedia of Sexuality and Gender* (Living Edition). Springer. https://doi.org/10.1007/978-3-319-59531-3_33-1
- Stocks, E. L., & Clark, T. (2020). Empathy and Altruism. In *Psychology*. Oxford University Press. <https://doi.org/10.1093/obo/9780199828340-0260>

JOURNAL PUBLICATIONS

- Barnett, M. D., Hernandez, J., & Melugin, P. R. (2019). Influence of future possible selves on outcome expectancies, intended behavior, and academic performance. *Psychological Reports*, 122(6), 2320–2330. <https://doi.org/10.1177/0033294118806483>
- Barnett, M. D., & Marsden, A. D. (2019). The death panel myth among older adults: Political ideology, advance directives, and perceived discrimination on the basis of age. *Death Studies*, 1–11. <https://doi.org/10.1080/07481187.2019.1699200>
- Barnett, M. D., Moore, J. M., & Archuleta, W. P. (2019). A loneliness model of hypochondriasis among older adults: The mediating role of intolerance of uncertainty and anxious symptoms. *Archives of gerontology and geriatrics*, 83, 86–90. <https://doi.org/10.1016/j.archger.2019.03.027>
- Barnett, M. D., Maciel, I. V., & Sligar, K. B. (2020). Moral foundations, sexual prejudice, and outness among sexual minorities. *Sexuality & Culture*, 24(5), 1387–1396. <https://doi.org/10.1007/s12119-019-09689-1>
- Barnett, M. D., Melugin, P. R., & Hernandez, J. (2020). Time perspective, intended academic engagement, and academic performance. *Current Psychology*, 39(2), 1–7. <https://doi.org/10.1007/s12144-017-9771-9>
- Gipson, C. S., Chilton, J. M., & Stocks, E. (2020). Refinement and Psychometric Properties of the Self-Efficacy for Sleep Hygiene Inventory. *Western Journal of Nursing Research*, 43(2), 156–162. <https://doi.org/10.1177/0193945920940977>
- Gordy, D., & Grad, R. I. (2020). SHARE and Positive Psychology: A Group Program for Female Inmates with Trauma. *Romanian Journal of Counseling*, 7(1), 26–49.

- Hayes, A. R., Hixson, K. J., & Masters, S. L. (2020). Do You Stand Out? Perceptions of Ability, Work Ethic, and Participation in College STEM Classes. *International Journal of Gender, Science and Technology*, 12(1), 66–96. <http://genderandset.open.ac.uk/index.php/genderandset/article/view/677>
- Jansel, A., Grad, R. I., & Szilagy, A. (2019). Therapeutic Alliance and Treatment Outcome: A Review of Current Conceptual and Empirical Findings. *Romanian Journal of Counseling*, 5(2), Article 2.
- Landy, J. F., Jia, M. L., Ding, I. L., Viganola, D., Tierney, W., Dreber, A., Johannesson, M., Pfeiffer, T., Ebersole, C. R., Gronau, Q. F., Ly, A., van den Bergh, D., Marsman, M., Derks, K., Wagenmakers, E.-J., Proctor, A., Bartels, D. M., Bauman, C. W., Brady, W. J., ... Uhlmann, E. L. (2020). Crowdsourcing hypothesis tests: Making transparent how design choices shape research results. *Psychological Bulletin*, 146(5), 451–479. <https://doi.org/10.1037/bul0000220>
- Letkiewicz, A. M., Siltan, R. L., Mimnaugh, K. J., Miller, G. A., Heller, W., Fisher, J., & Sass, S. M. (2020). Childhood abuse history and attention bias in adults. *Psychophysiology*, 57(10), 1–21. <https://doi.org/10.1111/psyp.13627>
- Marsh, M. M., Kenyon, E. A., Cardy, T., & West, E. M. (2020). That's My Voice! Participation and Democratic Citizenship in the Early Childhood Classroom. *Democracy & Education*, 28(2), 1–11. <https://democracyeducationjournal.org/home/vol28/iss2/1>
- Martin, R. L., Bauer, B. W., Smith, N. S., Daruwala, S. E., Green, B. A., Anestis, M. D., & Capron, D. W. (2020). Internal battles: examining how anger/hostility moderate the association between negative urgency and suicidal desire variables in military and civilian samples. *Suicide & Life-Threatening Behavior*, 50(4), 805–822. <https://doi.org/10.1111/sltb.12616>
- Mastel-Smith, B., Kimzey, M., Garner, J., Shoair, O. A., Stocks, E., & Wallace, T. (2019). Dementia care boot camp: interprofessional education for healthcare students. *Journal of interprofessional care*, 1–13. Advance online publication. <https://doi.org/10.1080/13561820.2019.1696287>
- McGuire, A. P., Frankfurt, S. B., Anderson, L. M., & Connolly, K. M. (2020). Pre- to posttreatment changes in trauma-cued negative emotion mediate improvement in posttraumatic stress disorder, depression, and impulsivity. *Traumatology*, 26(4), 455–462. <https://doi.org/10.1037/trm0000258>
- Mindthoff, A., Evans, J. R., Perez, G., Woestehoff, S. A., Olaguez, A. P., Klemfuss, J. Z., Vallano, J. P., Woody, W. D., Normile, C. J., Scherr, K. C., Carlucci, M. E., Carol, R. N., Hayes, T., Meissner, C. A., Michael, S. W., Russano, M. B., & Stocks, E. L. (2020). Juror Perceptions of Intoxicated Suspects' Interrogation-Related Behaviors. *Criminal Justice and Behavior*, 47(2), 222–246. <https://doi.org/10.1177/0093854819888962>

Murley, B., Haas, B., Hermanns, M., Wang, Y. T., & Stocks, E. (2019). Influence of Tai Chi on Self-Efficacy, Quality of Life, and Fatigue Among Patients with Cancer Receiving Chemotherapy: A Pilot Study Brief. *Journal of Holistic Nursing*, 37(4), 354–363. <https://doi.org/10.1177/0898010119867557>

Odell, M. R. L., Kennedy, T. J., & Stocks, E. (2019). The impact of PBL as a STEM school reform model. *Interdisciplinary Journal of Problem-Based Learning*, 13(2). <https://doi.org/10.7771/1541-5015.1846>

Preston, O. C., Butterworth, S. E., Khazem, L. R., Houtsma, C., Anestis, M. D., Green, B. A., & Anestis, J. C. (2020). Exploring the relations of psychopathic and narcissistic personality traits to military experiences in National Guard personnel. *Personality and Individual Differences*, 152, 109554. <https://doi.org/10.1016/j.paid.2019.109554>

Sass, S., & Zolkoski, S. (2020). School-based mindfulness program and anxiety prevention in eighth graders: A randomized pilot study. *Diversity, Social Justice, and the Educational Leader*, 4(1). <https://scholarworks.uttyler.edu/dsjel/vol4/iss1/5/>

Stocks, E. L., Lopez-Perez, B., Ocejia, L. V., & Evans, T. (2020). Five (plus or minus one): The point at which an assemblage of individuals is perceived as a single, unified group. *Journal of Social Psychology*, 160(1), 117–130. <https://doi.org/10.1080/00224545.2019.1610349>

Thomas, C. L., & Kirby, L. A. J. (2020). Situational interest helps correct misconceptions: An investigation of conceptual change in university students. *Instructional Science*, 48(3), 223–241. <https://doi.org/10.1007/s11251-020-09509-2>

OTHER

Helphrey, J. H., Adams, C. M., Smith, L. N., Sawyer, J., Fierro, L. A., Edzards, S., Coldiron, A. M., & Barnett, M. D. (2019). Quality of contact with older adults and knowledge about aging are associated with lower ageism among young adults. *Innovation in Aging*, 3(Supplement_1), S82. <https://doi.org/10.1093/geroni/igz038.317>

Helphrey, J. H., Smith, L. N., Rodriguez, D., Rose, D. W., Sawyer, J. D., Edzards, S. M., Fierro, L. A., Moore, J. M., Parsons, T. D., & Barnett, M. D. (2019). Sustained attention, impulsivity, and tangentiality of speech among young adults and older adults. *Archives of Clinical Neuropsychology*, 34(6), 827.

Moore, J. M., Archuleta, W. P., Helphrey, J. H., Smith, L. N., Sawyer, J., Rose III, D. W., Reed, C., & Barnett, M. D. (2019). Loneliness and hypochondriasis among older adults: the mediating role of intolerance of uncertainty and anxiety. *Innovation in Aging*, 3(Supplement_1), S531–S532. <https://doi.org/10.1093/geroni/igz038.1954>

Sawyer, J. D., Edzards, S. M., Fierro, L. A., Moore, J. M., Parsons, T. D., & Barnett, M. D. (2019). Sustained attention, impulsivity, and tangentiality of speech among young adults and older adults. *Archives of Clinical Neuropsychology*, 34(6), 827.

Sawyer, J., Helphrey, J. H., Smith, L. N., Mokhtari, B. K., Sandlin, A. M., Reed, C., Rodriguez, D., & Barnett, M. D. (2019). When grandpa says something racist: the role of ageism in young adult responses. *Innovation in Aging*, 3(Supplement_1), S82. <https://doi.org/10.1093/geroni/igz038.318>

Smith, L., Helphrey, J., Sawyer, J., Rodriguez, D., Rose, D., Fierro, L., Moore, J., Parsons, T., & Barnett, M. D. (2019). Inhibition of overlearned verbal responses and quantity of speech among age cohorts. *Archives of Clinical Neuropsychology*, 34(6), 880. <https://doi.org/10.1093/arclin/acz034.21>

Smith, L. N., Helphrey, J. H., Sawyer, J., Fierro, L. A., Mokhtari, B. K., Moore, J. M., Rodriguez, D., & Barnett, M. D. (2019). Ramble on: loneliness and off-topic verbosity in older adults. *Innovation in Aging*, 3(Supplement_1), S531. <https://doi.org/10.1093/geroni/igz038.1952>

POSTER PRESENTATIONS

Cantu, C., Igou, F. P., & Barnett, M. D. (2020, June 16). Hospice nurses' workplace social support, compassion fatigue, and work-family balance. 2020 SIOP Annual Conference. <https://www.siop.org/Annual-Conference/Registration-and-Resources/Past-Conference-Programs/ProgramSearch-20>

Chan, E., Wallace, K., Yang, E., Roper, L., Aryal, G., Lodhi, R. J., Green, B. A., Baskys, A., & Aitchison, K. J. (2019, September 11-14). Validation of the SIBAT (Suicide Ideation and Behavior Assessment Tool), a new tool for the assessment of suicidality. 69th Annual Conference of the Canadian Psychiatric Association, Québec, QC.

Donnell, R. L., Bennett-Leleux, L. J., Flores, E. V., Flair, A. J., Mollenkopf, K. K., Barela, L. B., & Barnett, M. D. (2020, Spring). Talking about and preparing for death among older adults. 2020 Annual Conference and Workshops of the Southwestern Psychological Association. (Conference Canceled)

Estrada, S. (2020, May 20). Drawing the normal curve: A visual thematic analysis of community college Students experiences with writing-to-learn assignments in an introductory statistics course. Electronic Conference on Teaching Statistics (ECOTS 2020). <https://www.causeweb.org/cause/ecots/ecots20/posters/3-01>

Fierro, L. A., Bridenbaugh, A. J., Van Vleet, S. C., Moore, J. M., Sawyer, J. D., Helphrey, J. H., Smith, L. N., & Barnett, M. D. (2020, April). End-of-life treatment preferences: A comparison of young adult and older adult age cohorts. 2020 Annual Conference and Workshops of the Southwestern Psychological Association. (Conference Canceled)

Flores, E. V., Rodriguez, D., Markey, C. E., Glover, T. L., Sawyer, J. D., Barela, L. B., & Barnett, M. D. (2020, April). Emotional and behavioral responses to an older adult making a racist statement among younger adults. 2020 Annual Conference and Workshops of the Southwestern Psychological Association. (Conference Canceled)

Haygood, A. N., Mollenkopf, K. K., Bennett, L. J., Shorter, S. S., Flair, A. J., & Barnett, M. D. (2020, April). Narcissus and Echo: Narcissism and emotion regulation of self and others. 2020 Annual Conference and Workshops of the Southwestern Psychological Association. (Conference Canceled)

Helphrey, J. H., Adams, C. M., Smith, L. N., Sawyer, J. D., Fierro, L. A., Edzards, S. M., Coldiron, A. M., & Barnett, M. D. (2019, November). Quality of contact with older adults and knowledge about aging are associated with lower ageism among young adults. In Gerontological Society of America's 2019 Annual Scientific Meeting. Gerontological Society of America.

Helphrey, J. H., Moore, J. M., Sawyer, J. D., Rodriguez, D., Okoro, A. J., Coldiron, A. M., Parsons, T. D., & Barnett, M. D. (2019, November). Adapting measures of the therapeutic alliance for measuring rapport in neuropsychological testing. National Academy of Neuropsychology 39th Annual Conference, San Diego, CA.

Helphrey, J. H., Smith, L. N., Fierro, L. A., Sawyer, J. D., Quintana, C. P., Edzards, S. M., Jofre, D. M., Parsons, T. D., & Barnett, M. D. (2019, November). Verbal speed and set-shifting in relation to quantity and tangentiality of speech among age cohorts. National Academy of Neuropsychology 39th Annual Conference, San Diego, CA.

Helphrey, J. H., Smith, L. N., Rodriguez, D., Rose, D. W., Sawyer, J. D., Edzards, S. M., Fierro, L. A., Moore, J. M., Parsons, T. D., & Barnett, M. D. (2019, November). Sustained attention, impulsivity, and tangentiality of speech among young adults and older adults. In National Academy of Neuropsychology's 39th Annual Conference. National Academy of Neuropsychology.

Masters, S., & Hayes, A. R. (2020, March). Gender identity and stereotyping of occupations among middle school students. In Biennial Meeting of the Society for Research In Adolescence. Society for Research in Adolescence. (Conference Canceled)

Moate, R., & West, E. (2019, October 10). What is Most Helpful for CMHC Students to Learn During Their Master's Degree Programs. Association for Counselor Education and Supervision (ACES 2019).

Moore, J. M., Archuleta, W. P., Helphrey, J. H., Smith, L. N., Sawyer, J., Rose, D. W., Reed, C., & Barnett, M. D. (2019, November). Loneliness and hypochondriasis among older adults: The mediating role of intolerance of uncertainty and anxiety. In Gerontological Society of America's 2019 Annual Scientific Meeting. Gerontological Society of America.

Prosek, E. A., Burgin, E., & Holm, J. M. (2019, September). A Primer to Mixed Methods Program Evaluation. AARC 2019 Annual Conference.



Reed, C. M., Archuleta, W. P., Cantu, C., Helphrey, J. H., Sawyer, J. D., Sandlin, A. M., Rodriguez, D., & Barnett, M. D. (2020, Spring). Does generativity explain conservatives' environmental attitudes? 2020 Annual Conference and Workshops of the Southwestern Psychological Association. (Conference Canceled)

Sass, S., Reed, C., Ismail, H., Carver, K., Engel, D., & Kennedy, B. (2019, September 26). Internal reliability of RT, P100 amplitude, and P300 amplitude within a dot-probe task. 59th SPR Annual Meeting, Washington, DC. https://cdn.ymaws.com/sprweb.org/resource/resmgr/2019_annual_meeting/final_supplement.pdf

Sass, S., & Zolkoski, S. (2020). School-based mindfulness program and anxiety prevention in eighth graders: A randomized pilot study. *Diversity, Social Justice, and the Educational Leader*, 4(1). <https://scholarworks.uttyler.edu/dsjel/vol4/iss1/5/>

Sawyer, J. D., Helphrey, J. H., Smith, L. N., Mokhtari, B. K., Sandlin, A. M., Reed, C. M., Rodriguez, D., & Barnett, M. D. (2019, November). When grandpa says something racist: The role of ageism in young adult responses. In Gerontological Society of America's 2019 Annual Scientific Meeting. Gerontological Society of America.

Smith, L. N., Helphrey, J. H., Sawyer, J. D., Fierro, L. A., Mokhtari, B. K., Moore, J. M., Rodriguez, D., & Barnett, M. D. (2019, November). Ramble on: Loneliness and off-topic verbosity in older adults. In Gerontological Society of America's 2019 Annual Scientific Meeting. Gerontological Society of America.

- Smith, L. N., Helphrey, J. H., Sawyer, J. D., Rodriguez, D., Rose, D. W., Fierro, L. A., Moore, J. M., Parsons, T. D., & Barnett, M. D. (2019, November). Inhibition of overlearned verbal responses and quantity of speech among age cohorts. National Academy of Neuropsychology 39th Annual Conference, San Diego, CA.
- Shorter, S. S., Haygood, A. N., Williams, L. M., Mollenkopf, K. M., Flair, A. J., Glover, T. L., & Barnett, M. D. (2020, April). Avoiding parenthood: Attachment styles and desire to have children. 2020 Annual Conference and Workshops of the Southwestern Psychological Association. (Conference Canceled)
- Tsai, C.-L., Estrada, S., & Flores, L. (2020, August). Academic Motivation, Persistence, and Learning Outcomes among First-Generation College Students. In American Psychological Association. American Psychological Association.

PRESENTATIONS

- Altenberger, T. L., Jorgenson, J., Floyd, P. N., Barahas, K., Lodhi, R. J., Isenberg, R., Arnau, R. C., Green, B. A., Carnes, P. J., & Aitchison, K. J. (2020, June). MMPI-3 Correlates of Sexual Dependency Inventory 4.0 Higher-Order Scales in a Clinical Hypersexual Sample. 55th Annual MMPI Symposium, Minneapolis, MN.
- Arnau, R. C., Altenberger, T. L., Bulla, B., Jorgenson, J., Floyd, P., Barahas, K., Green, B. A., Isenberg, R., Carnes, P., Lodhi, R., & Aitchison, K. J. (2020, June). Latent Profile Analysis of Sexual Addiction Treatment Seekers: Problematic Sexual Behavior Classes Characterized by MMPI-3 Scales, Process Addiction Screeners, and History of Psychopathology. 55th Annual MMPI Symposium, Minneapolis, MN.
- Estrada, S. (2020, April 19). Evaluating the Impact of Multidimensionality on Type I and Type II Error Rates Using the Q-Index Item Fit Statistic for the Rasch Model. American Educational Research Association 2020 Annual Meeting. (Conference canceled)
- Grad, R. I. (2019, September). Therapeutic Alliance among Individuals who Experienced Childhood Interpersonal Trauma: The Role of Cultural Humility, Therapeutic Presence, and Attachment Style. AARC 2019 Annual Conference.
- Green, 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. 55th Annual MMPI Symposium, Minneapolis, MN.
- Holm, J. M. (2019, September). Conducting Research in Schools. AARC 2019 Annual Conference.
- Holm, J. M., & Avalos, M. D. (2020, July 23). Navigating Mental Health Needs Following COVID-19. Consortium for Belize Educational Cooperation 2020 Summer Conference, Tyler, TX.

- Lamb, J. H., & Hayes, A. R. (2019, October 24-26). Rural universities, rural schools, and rural problem solving. 11th NREA Convention and Research Symposium, Louisville, KY.
- Prosek, E. A., Burgin, E., & Holm, J. M. (2019, September). A Primer to Mixed Methods Program Evaluation. In Association for Assessment and Research in Counseling Annual Conference.
- Rumsey, A., & Grad, R. (2019, October 11). You Are Not Alone: Everyone Freaks Out About Research. Association for Counselor Education and Supervision (ACES 2019).

GRANTS

- Barnett, M. Using Virtual Reality to Assess Neuropsychological Functioning and Everyday Functional Capacities in Older Adults, The University of Texas at Tyler (September 1, 2019), USD \$9,999.
- Hayes, A. Psychological and Developmental Predictors of LGBT Attitudes among College Students, The University of Texas at Tyler (September 1, 2019), USD \$3,939.
- Kirby, L. Mindfulness and Autonomous Susceptibility to Unusual Perceptual Phenomena: Can you Lean into or Out of Synesthesia, Misophonia, ASMR, or Frisson?, The University of Texas at Tyler (September 1, 2019), USD \$5,000.



School of Education

CHAPTERS

- Cassady, J. C., Heath, J., Thomas, C. L., & Mangino, A. (2020). Engaging students in STEM with non-traditional educational programs: Bridging the gaps between experts and learners. In STEM Education Across the Learning Continuum (pp. 213–232). Springer Nature. https://doi.org/10.1007/978-981-15-2821-7_12
- Cassady, J. C., & Thomas, C. L. (2020). Academic anxieties and emotional information processing: Identification and interventions to support students with affective disorders. In Handbook of Educational Psychology and Students with Special Needs (pp. 52–74). Taylor & Francis. <https://doi.org/10.4324/9781315100654>
- Consalvo, A. (2019). 1-to-1 Student-teacher instructional conferences: A much needed relational space in diverse high school English classrooms. In Harrod Lecture Series, Volume XXII 2012-2016, (pp. 49–72). Fitchburg State University Print Services.
- Delello, J. A., Consalvo, A., McWhorter, R. R., & Doepker, G. M. (2020). Sponsoring older adults' improvement of metaliteracy using iPads. In L. Henry and N. Stahl (Eds.), Literacy Across the Community: A Handbook of Research and Praxis (pp. 128-141). Routledge. <https://doi.org/10.4324/9781003031550-13>
- Delello, J. A., Kiekel, J., Poyo, S., Williams, M., & Kirby, D. (2020). Educator perceptions of digital devices, multitasking and distractions in the classroom. In Disruptive and emerging technology trends across education and the workplace (pp. 193–220). IGI. <http://doi:10.4018/978-1-7998-2914-0.ch008>
- Delello, J. A., & McWhorter, R. R. (Eds.). (2020). Disruptive and emerging technology trends across education and the workplace. IGI Global. <https://doi.org/10.4018/978-1-7998-2914-0>
- Delello, J. A., & Mokhtari, K. (2020). Student and faculty perceptions of social media use and relationships inside and outside the higher education classroom. Innovative Perspectives on Interactive Communication Systems and Technologies (pp. 23-44). Hershey, PA: IGI Global. <https://doi.org/10.4018/978-1-7998-3355-0>
- Kennedy, T. J., & Sundberg, C. W. (2019). Gender and equity issues in science education. In Science Education: Visions of the Future. Next Generation Education, LTD.

- McWhorter, R. R., Delello, J. A., Gipson, C., Mastel-Smith, B., & Caruso, K. C. (2020). Do loneliness and social connectedness improve in older adults through mobile technology? In Disruptive and emerging technology trends across education and the workplace (pp 221–242). IGI. <https://doi.org/10.4018/978-1-7998-2914-0.ch009>
- McWhorter, R. R., Owens, M., Neel, J. L., Rueter, J., & Doepker, G. M. (2020). Examining the adult learning in “giving back” initiatives. In Handbook of Research on Adult Learning in Higher Education (pp. 473-500). IGI. <https://doi.org/10.4018/978-1-7998-1306-4.ch018>
- Odell, M. R. L., & Kennedy, T. J. (2019). Human resources and STEM teacher education. In Science Education: Visions of the Future. Next Generation Education, LTD.
- Oliveras-Ortiz, Y., Hickey, W., & Neel, J. L. (2019). The influence of short-term study abroad programs on pre-service and in-service educators' perspectives and sense of preparedness to work with diverse students. In Crossing Boundaries/Crossing Borders: Narratives of Intercultural Experiences (pp. 57–76). Consortium for Educational Development, Evaluation, and Research. CEDER Yearbook, Texas A&M University Corpus Christi.
- Oliveras-Ortiz, Y., Hickey, W., & Jones, J. (2020). Leadership in rural Central American villages. In Strategic Leadership in PK-12 Settings (pp. 53–64). Lamar University.
- Oliveras-Ortiz, Y., & Matney, A. E. (2020). Texas Assessments and School Accountability. In Texas Public School Organization and Administration. <https://he.kendallhunt.com/product/texas-public-school-organization-and-administration-2020>
- Vornberg, J. A., Hickey, W., Oliveras-Ortiz, Y., & Templeton, N. R. (Eds.). (2020). Texas Public School Organization and Administration: 2020 (17th ed.). Kendall Hunt.

CREATIVE PERFORMANCES

- Delello, J. A. (2019, December 4). Make the child with a disability visible in your classroom. In TED Masterclass Showcase. ISTE. <https://www.youtube.com/watch?v=GUiE1RcHJO>

CREATIVE PRODUCTIONS

- Consalvo, A. (2020, February 25). Robert E. Cormier Exhibit 3: Twisted intimacy--Disturbing perversions and genuine warmth. In <https://robertcormiertwistedintimacy.omeka.net/>. Partnership between Robert Muntz Library UT Tyler and Fitchburg State University. <https://robertcormiertwistedintimacy.omeka.net/>

JOURNAL PUBLICATIONS

- Bouillion, D., Oliveras-Ortiz, Y., & Asbury, L. (2019). A synopsis of listening to high school students: How purposefully-designed spaces impact their engagement in learning. *Experience*, 6.
- David, A. D., Consalvo, A., & Vetter, A. (2019). Crafting communities of writers: Advice from teens to their teachers of writing. *English Journal*, 109(1), 67–73.
- Hickey, W., Sherman, R., Mize, C., & Donley, M. (2019). Leveraging University Partnerships to Build Capacity in Rural Schools: A Case Study. *School Leadership Review*, 14(2).
- Jones, D., Plowman, D., Lamb, J. H., Ewing, J., & Montgomery, M. S. (2019). Embedded days of professional development. *Journal of Mathematics Teacher Education in Texas*, 9(3), 3–6.
- Odell, M. R. L., Kennedy, T. J., & Stocks, E. L. (2019). The impact of PBL as a STEM school reform model. *The Interdisciplinary Journal for Problem-Based Learning*, 13(2). <https://doi.org/10.7771/1541-5015.1846>
- Oliveras-Ortiz, Y., & Hickey, W. (2019). Educational leadership in a Mayan village in southern Belize: Challenges faced by a Mayan woman principal. *Journal of Cases in Educational Leadership*, 23(1) 40-60. <https://doi.org/10.1177/1555458919874420>
- Oliveras-Ortiz, Y., Bouillion, D. E., & Asbury, L. (2020). Learning spaces matter: Student engagement in new learning environments. *Journal of Education*. <https://doi.org/10.1177/0022057420908062>
- Rueter, J. A., Dykes, F. O., & Masters, S. (2019). Employing a Community of Inquiry Framework to Understand Students' Perceptions of Supports in an Online Graduate Program of Special Education. *Journal of Human Services: Training, Research, and Practice*, 4(2). <https://scholarworks.sfasu.edu/jhstrp/vol4/iss2/4>
- Rueter, J. A., McWhorter, R. R., & Delello, J. A. (2020). Decision-making practices during the instrument selection process: The choices we make. *Assessment for Effective Intervention*, 44(4), 281–291. <https://doi.org/10.1177/1534508418758370>
- Sass, S. M., & Zolkoski, S. M. (2020). School-based mindfulness program and anxiety prevention in eighth graders: A randomized pilot study. *Diversity, Social Justice & the Educational Leader*, 4(1).
- Semingson, P., Consalvo, A., Pole, K., & Dana, O. (2019). Modeling professional use of literacy-focused social media for preservice and in-service teachers: Growing, connecting, and learning together, online. *TALE Yearbook 2019: Discovering the Heart of Literacy*, 59 – 65.
- Stevens, R. (2019). Victor Thall: An irascible abstract expressionist. *Discovering Abstract Expressionist Victor Thall (Exhibition Catalogue) Longview Museum of Fine Arts*.
- Stevens, R. (2019). Bellotto's views of Dresden: A walled city breached. *The Social Studies Texan*, Volume 35 (2), 55–58.
- Stevens, R. (2019). The role of truth in historical fiction. *The Social Studies Texan (Literacy in Social Studies)*, 35(3).
- Stevens, R. (2020). African American soldiers welcomed home: Red Summer of 1919 Washington Race Riot. *Social Studies Review, Annual Issue 2019-2020*, 58, 99–104.
- Stevens, R. (2020). The Mother's March: Struggle for American Democratic Ideals in the Kansas coal fields. *The Social Studies Texan*.
- Stevens, R. L. (2020). Roosevelt's Kentucky Pack Horse Library Project creates a community of readers. *The Social Studies Texan*.
- Sung, W., & Black, J. (2020). Factors to consider when designing effective learning: Infusing computational thinking in mathematics to support thinking-doing. *Journal of Research on Technology in Education*. 10.1080/15391523.2020.1784066
- Thomas, C. L., & Cassady, J. C. (2019). The influence of personality factors, value appraisals, and control appraisals on cognitive test anxiety. *Psychology in the Schools*, 56 (10), 1568-1582. <https://doi.org/10.1002/pits.22303>
- Thomas, C. L., & Allen, K. (2020). Driving engagement: Investigating the influence of emotional intelligence and academic buoyancy on student engagement. *The Journal of Further and Higher Education*, 45(1), 107–119. <http://dx.doi.org/10.1080/0309877X.2020.1741520>
- Thomas, C. L., Cassady, J. C., & Heath, J. A. (2020). Examining the psychometric properties of the FRIEDBEN Test Anxiety Scale using exploratory structural equation modeling. *International Journal of School & Educational Psychology*, 8(3), 213–226. <http://dx.doi.org/10.1080/21683603.2018.1522281>
- Thomas, C. L., & Kirby, L. A. J. (2020). Situational interest helps correct misconceptions: An investigation of conceptual change in university students. *Instructional Science*, 48, 223–241. <https://doi.org/10.1007/s11251-020-09509-2>
- Thomas, C. L., Tancock, S., Zygmunt, E., & Sutter, N. (2020). Effects of a community-engaged teacher preparation program on the culturally-relevant teaching self-efficacy of preservice teachers. *Journal of Negro Education*, 89(2), 122–135.
- Thomas, C. L., & Zolkoski, S. M. (2020). Preventing stress among undergraduate learners: The importance of emotional intelligence, resilience, and emotion regulation. *Frontiers in Education*. <https://doi.org/10.3389/feduc.2020.00094>
- William, G., Delello, J. A., & McWhorter, R. R. (2019). Gendered experiences of mobile gaming and augmented reality: Engagement with Pokémon GO among university students. *International Journal of Virtual and Augmented Reality (IJVAR)*, 3(2), 54–67. <https://doi.org/10.4018/IJVAR.2019070105>

- Zinck, K., & Neel, J. L. (2020). A study of generative partnership. *Adultspan*, 19(1), 22-38. <https://doi.org/10.1002/adsp.12085>
- Zolkoski, S. M., Holm, J., West, E., Ismail, H., Kennedy, B., Votaw, A., Miller, G., Stocks, E., & Sass, S. (2020). 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>

OTHER

- David, A. D., & Consalvo, A. (2020). Uncertainty reigns: Pandemics and uprisings, testing and standards. "Column: The Shifting Literacy Landscape." *The Texas Journal of Literacy Education*, 8(1). 12-17.
- Odell, M. R. L., & Sullivan, J. (2019). Integrating professional growth into the school day. <https://grandchallenges.100kin10.org/progress/100kin10-Project-Team-Integrating-Professional-Growth-into-the-School-Day>.
- Owiny, R., Green, A. L., Hott, B., Dykes, F., Stevens, A. C., & Randolph, K. (2019). Integrating positive behavioral interventions and supports (PBIS) content into teacher preparation programs. *Teacher Education Division Policy Briefs*.

POSTER PRESENTATIONS

- Fields, D. L., & Kennedy, T. J. (2020, March). What if... Phenomenon-based learning projects: Augmenting upper and early learning STEM lessons. In *The 14th International Technology, Education and Development Conference, INTED2020*. Valencia, Spain.
- Ganske, J., Nguyen, V., & Thomas, C. L. (2020, May). Cultural differences in coping: A comparison of vertical and horizontal individualism. In *Annual Meeting of the Association for Psychological Science*.
- Lewis, L., Ganske, J., Nguyen, V., Roberts, C., Terho-Streck, A., Wright, K., Easterling, T., & Thomas, C. L. (2020, May). Selective exposure & critical thinking: The dark side of critical openness. In *Annual Meeting of the Association for Psychological Science*.
- Miller, G. J., & Ohlson, M. (2019, October). Chapter Advocacy Officer. In *Kappa Delta Pi 2019 Convocation*. Kappa Delta Pi.
- Rueter, J., & Gilpin, P. (2019, Autumn). Exploring "Giving Back" initiatives in an online graduate special education course. In *Teacher Education Division*.
- Stevens, R. (2019). 6 X 14' Time line for Discovering abstract expressionist Victor Thall. In *Discovering Abstract Expressionist Victor Thall*. Longview Museum of Fine Arts.
- Stevens, R. (2019). Museum labels for Victor Thall paintings. In *Discovering Abstract Expressionist Victor Thall*, Longview Museum of Fine Arts, October 5-February 22. Longview Museum of Fine Arts.



PRESENTATIONS

- Carol, Z. A., Doepker, G. M., & Johna, F. (2020, February). Literacy preparation for the future: Is there a need for a new literacy definition and a special interest group (SIG) to match? Association of Teacher Educators (ATE) Annual Meeting.
- Delello, J. A. (2020, January). Using social media to develop a community of practice. The University of Texas at Dallas.
- Delello, J. A. (2020, February). Finding passion and purpose while persevering in an invisible world. East Texas Parent Conference. Tyler ISD, Crockett-Palestine Resource Centers for Independent Living.
- Delello, J. A. (2020, May). Assessment tools. Online Instructional Webinar for The University of Belize. The University of Texas at Tyler.
- Delello, J. A. (2020, June 23). Free online instructional tools. The Consortium for Belize Educational Cooperation (COBEC) Summer Conference. The University of Belize. https://uttyleredu-my.sharepoint.com/:p/g/personal/jdelello_uttyler_edu/ETzVMllazoFGgFvgBskYCB8B1zvfaFy4knpq-zjL75uysw?e=9VU7H8
- Delello, J. A., & Dykes, F. (2020, July). Active teaching practices for the pharmacy educator. 2020 RTCP Workshop. The University of Texas School of Pharmacy.
- Hood, S., & Kennedy, T. J. (2019, October). National Network for Early Language Learning Oregon networking session. Confederation in Oregon for Language Teaching (COFLT) Annual Conference.
- Johnson, G. D., McWhorter, R. R., Delello, J. A., & Young, M. (2020, April). Exploring mock team interviewing: A career management strategy to prepare East Texas business undergraduates for employers. East Texas Research Conference. The University of Texas at Tyler. (Conference Cancelled)
- Jones, D., & Lamb, J. H. (2020, February). Embedded days for professional development: structure, activities, and results. 2020 Annual Association of Mathematics Teacher Educators Conference.
- Kennedy, T. J., Gomez, C., Batarese, A., Inboden, E., Hanson, C., Grip, S., Bondy, S., & Lawton, C. (2019, October). NNELL: Facilitating K-8 target-language comprehensibility. Texas Foreign Language Association (TFLA) Fall Conference. Texas Foreign Language Association (TFLA).
- Kennedy, T. J. (2019, November). Exchanging innovations in engineering. 42th Annual Fulbright Association Conference.
- Kennedy, T. J. (2019, November). NNELL networking regions. NNELL networking breakfast. American Council of Teachers of Foreign Language (ACTFL) Annual Convention and World Languages Expo. National Network for Early Language Learning (NNELL).
- Kennedy, T. J., & Suarez-Boyd, A. (2020, February). NNELL: Facilitating K-8 target-language comprehensibility." Colorado Congress of Foreign Language Teachers (CCFLT).
- Kennedy, T. J. (2020, August). NNELL Pacific Southwest region. In NNELL Leadership Summit. National Network for Early Language Learning.
- Kiekel, J., Delello, J. A., Willis, J., Allen, L., & Gaffner, J. (2019, October). How are you incorporating the ISTE standards in your educator preparation program? CSOTTE Teacher Education Conference.
- Lamb, J. H., & Hayes, A. R. (2019, October). Rural universities, rural schools, and rural problem solving. National Forum to Advance Rural Education. National Rural Education Association.
- Lamb, J. H. (2020, February). Relationships between future teachers' perceptions of math as a male domain, Anxiety, Confidence, and Math Usefulness. 2020 Annual Association of Mathematics Teacher Educators Conference. Association of Mathematics Teacher Educators.
- Lambropoulos, L., Oliveras-Ortiz, Y., & Bouillion, D. E. (2019, September). Career-inspired learning spaces and authentic engagement at Energy Institute High School. 2019 Texas Association of School Administrators/Texas Association of School Boards Convention.
- Miller, G. J., & Smith, C. (2019, October). Making educator's voices heard: Strategies from chapter advocacy officers. Kappa Delta Pi 2019 Convocation.
- Odell, M. R. L. (2019). National Science Teaching Association/ Association for Science Teacher Education Standard for Science Teacher Preparation. NSTA.
- Odell, M. R. L., & Kennedy, T. J. (2020, January). Using GLOBE to support STEM, PBL, and student research in the classroom. 13th Annual STEM Conference.
- Odell, M. R. L., & Kennedy, T. J. (2020, March). Inquiry-based pedagogy to support STEM learning and 21st century skills: Preparing new teachers to implement project and problem-based learning. The 14th International Technology, Education and Development Conference, INTED2020. Valencia, Spain.
- Odell, M. R. L., & Kennedy, T. J. (2020, March). Specialty High Schools to Support STEM Teaching and Learning. In New Perspectives in Science Education.
- Odell, M. R. L., Simmons, J. A., & Kennedy, T. J. (2020, April). University Academies: Case Studies in Teacher Preparation and School Improvement. International Association of Laboratory Schools Conference.
- Oliveras-Ortiz, Y. (2019, October). Rethinking pre-service teachers' supervision in Belize. 2019 Council of Professors of Instructional Supervision Annual Conference. Council of Professors of Instructional Supervision.
- Oliveras-Ortiz, Y., Bouillion, D., & Asbury, L. (2019, Autumn). Listening to high school students: How purposefully-designed spaces influence their engagement in learning. 2019 University Council for Educational Administration 33rd Annual Convention.

- Oliveras-Ortiz, Y., & Hickey, W. (2019, Autumn). Short-term study abroad and the influence on aspiring principals' perspectives about diversity and educational issues. 2019 University Council for Educational Administration 33rd Annual Convention.
- Oliveras-Ortiz, Y., Bouillion, D., & Asbury, L. (2020, Spring). High-School Students' Perceptions: Purposefully-Designed Spaces and Engagement in Learning. 2020 American Educational Research Association Annual Meeting.
- Stevens, R. (2019, November 22–24). A Growing Storm: Depression Mural Art of Seymour Fogel. National Council for the Social Studies Annual Conference.
- Sung, W., Ahn, J., & Choi, A. (2020). Introducing robotics planning strategies to scaffold students to think not just finish. Society for Information Technology and Teacher Education International Conference.
- Zolkoski, S. M., Chiu, C. G., & Lusk, M. E. (2020, Spring). Increasing motivation among students who demonstrate challenging behavior: Strategies to increase student engagement. Council for Exceptional Children.

PROCEEDINGS PUBLICATIONS

- Fields, D. L., & Kennedy, T. J. (2020, March). What if... Phenomenon-based learning projects: Augmenting upper and early learning STEM lessons. INTED 2020 Proceedings (pp.85-95). IATED.
- Odell, M. R. L., & Kennedy, T. J. (2020, March). Inquiry-based pedagogy to support STEM learning and 21st century skills: Preparing new teachers to implement project and problem-based learning. INTED2020 Proceedings (pp. 7398-7402). IATED

GRANTS

- Simmons, J. TEA Blended Learning Grant, Texas Education Agency (December 2, 2019), USD \$125,000.
- Simmons, J. TEA Blended Learning Grant Year 2, Texas Education Agency (June 1, 2020), USD \$100,000.

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 five conference proceedings and two poster presentations. More than 90% of all these publications were coauthored with UT Tyler graduate students. This publication occurred during a year when he managed or started additional research thrusts with budgets of nearly \$1 million. In addition, he secured \$400,000 from the UT System STARS program to establish the Texas Rural Transportation Research Center (TRTRC).

Dr. Jounsup Park (Electrical Engineering) was recognized for outstanding research by the Institute of Electrical and Electronics Engineers (IEEE) Technical Committee for Multimedia for his continued work to enhance multimedia and 360° video technology. Park, who joined UT Tyler last fall, earned a Best Paper Award at the recent IEEE International Symposium on Multimedia for his paper titled "SEAWARE: Semantic Aware View Prediction System for 360° Video Streaming." He is working to enhance 360° videos in the area of virtual reality in hopes that the technology will improve multimedia experiences for users. "The 360° videos will be the next major multimedia service," Park said. "YouTube, NetFlix, Hulu, Disney+ and many other video streaming service providers are preparing 360° video services that can provide immersive experiences to the viewers. Understanding viewing behavior is becoming more important to provide high-quality multimedia services."

In Mechanical Engineering, Dr. Chou is using engineering approaches to explore health issues such as medical decontamination, and performance issues after brain injuries. Dr. Fumo continues to contribute to the literature in the field of HVAC and air conditioning performance, and Dr. Khajah published in his area of expertise – advanced modeling concepts in the study of acoustics and mechanical design.

Teaching and learning of engineering and construction management concepts, principles and pedagogy is one of the core areas of the college. Dr. Barakat, Dr. Chou, Dr. Goh, and Dr. Khajah (all from Mechanical Engineering), Dr. Vechione and Dr. Souliman (Civil Engineering) all published work with students in the annual Lyceum Showcase and Competition. To support development and improvement in pedagogy, Dr. Sunaravadivel and Dr. Shirvaikar both published important work on integrating new concepts into the electrical engineering curriculum.

Dr. Javier Kypuros
Dean, College of Engineering

Chemical Engineering Civil Engineering

PRESENTATIONS

Biswas, M. A. R., & Pacheco De Resende, F. L. (2020, August 19). Model Development of Jet Fuel Production From Hydrolysis Using Artificial Neural Network. Thermal and Fluids Analysis Workshop (TFAWS). NASA Engineering and Safety Center (NESC).

GRANTS

Resende, F. Hydrothermal Conversion of Sugar Kelp into Hydrocarbons, University of Washington (February 1, 2020), USD \$188,644.



JOURNAL PUBLICATIONS

- Bastola, N., & Souliman, M. (2020). Change in resilient modulus of base layers in asphalt pavement structures over Texas. *Stavební Obzor - Civil Engineering Journal*, 2, 182–191. <https://doi.org/10.14311/CEJ.2020.02.0016>
- Bastola, N., Souliman, M., Tripathi, A., & Pearson, A. (2020). Mechanistic analysis and economic benefits of fiber-reinforced asphalt overlay mixtures. *Journal of Materials and Engineering Structures*, 7(1), 83–96.
- Gc, H., Souliman, M., Zeiada, W., & Isied, M. (2019). Mechanistic assessment of fatigue performance and cost analysis of pavement overlays: comparison between conventional hot mixed asphalt, asphalt rubber, and polymer-modified mixtures. *ASTM-Advances in Civil Engineering Materials*, 8(1), 611-622. <https://doi.org/10.1520/ACEM20190118>
- Loganathan, K., Isied, M., Coca, A., Souliman, M., Romanoschi, S., & Dessouky, S. (2020). Estimated remaining fatigue life of flexible pavements based on the normalized comprehensive area ratio deflection parameter. *Canadian Journal of Civil Engineering*, 47(5), 546-555. <https://doi.org/10.1139/cjce-2019-0023>
- Pourbaba, M., Sadaghian, H., & Mirmiran, A. (2019). A comparative study of flexural and shear behavior of ultra-high-performance fiber-reinforced concrete beams. *Advances in Structural Engineering*, 22(7), 1727–1738. <https://doi.org/10.1177/1369433218823848>
- Pourbaba, M., Sadaghian, H., & Mirmiran, A. (2019). Flexural Response of UHPFRC Beams Reinforced with Steel Rebars. *Advances in Civil Engineering Materials*. 8(3), 411-430. <https://doi.org/10.1520/ACEM20190129>
- Shi, F., Saygili, G., Ozbulut, O., & Zhou, Y. (2020). Risk-based mainshock-aftershock performance assessment of SMA braced steel frames. *Engineering Structures*, 212. <https://doi.org/10.1016/j.engstruct.2020.110506>
- Souliman, M., GC, H., Isied, M., Walubita, L., & Sousa, J. (2020). Mechanistic analysis and cost-effectiveness evaluation of asphalt rubber mixtures. *Road Materials and Pavement Design*, 21(Sup. 1), 76-90. <https://doi.org/10.1080/14680629.2020.1735492>
- Souliman, M., Gc, H., Isied, M., & Walubita, L. (2020). Treated versus untreated aggregate bases for flexible pavements: A nationwide comparative study. *Transportation Research Record*, 2674(2), 225–236. <https://doi.org/10.1177/0361198120906419>
- Walubita, L., Nyamuhokya, T., Torres, O., Fuentes, L., Tanvir, H., & Souliman, M. (2020). Laboratory evaluation of grid-reinforced HMA beams using the flexural bending-beam fatigue (FBBF) test in load-controlled mode. *International Journal of Pavement Engineering*. <https://doi.org/10.1080/10298436.2020.1795659>

OTHER

Cheu, R. L., Villanueva-Rosales, N., Nunez-Mchiri, G. G., Chow, J. Y., Vechione, M. M., Vargas-Acosta, R. A., Marrufo, C., Gurbuz, O., Jimenez-Velasco, M. G., Dmitriyeva, A., Becerra, D., & Ruiz, E. (2019). Development of a Mobile Navigation Smartphone Application for Seniors in Urban Areas: Urban Connector. Connected Cities for Smart Mobility toward Accessible and Resilient Transportation (Tier 1 UTC).

POSTER PRESENTATIONS

Vechione, M. M., & Cheu, R. L. (2020, January). Adaptation of a freeway discretionary lane changing model to a freeway mandatory lane changing model. In Transportation Research Board 99th Annual Meeting.

PROCEEDINGS PUBLICATIONS

- Alahmari, T. S., Kennedy, C., Weldon, B., Jauregui, D. V., McGinnis, M. J., & Gangone, M. V. (2019, September). Load testing of a nonproprietary UHPC and HPC superstructure. 2019 IABSE Congress.
- Bastola, N., Souliman, M., Zavagna, P., & Alvarez, G. (2020, January). Improved engineered scoring system for bicycle lane mapping development. Annual Meeting of the Transportation Research Board.
- Isied, M., & Souliman, M. (2020, January). Laboratory evaluation of the rotational viscosity of reacted and activated rubber modified binders. Annual Meeting of the Transportation Research Board.
- Isied, M., & Souliman, M. (2020, January). Neural network modeling for the rotational viscosity of reacted and activated rubber modified binders. Annual Meeting of the Transportation Research Board.
- Vechione, M. M., & Cheu, R. L. (2020, January). Adaptation of a freeway discretionary lane changing model to a freeway mandatory lane changing model. Annual Meeting of the Transportation Research Board.
- Walubita, L., Mahmoud, E., Fuentes, L., Prakoso, A., Souliman, M., & Lee, S. (2020, January). Correlating the asphalt-binder high-temperature properties (DSR) to HMA permanent deformation (RLPD) and field rutting: A laboratory-field study. Annual Meeting of the Transportation Research Board.

GRANTS

- McGinnis, M. Experimental Investigation of Adobe Wall Behavior Year 4, National Science Foundation through New Mexico State University (May 15, 2020), USD \$3,500.
- Souliman, M. Simplified Approach for Structural Evaluation of Flexible pavements at the Network Level, US Department of Transportation Through Louisiana State University (August 14, 2020), USD \$29,000.

Construction Management

PROCEEDINGS PUBLICATIONS

Hossain, S.A., and Bagchi, A., 2020, "Seismic Performance of existing Buildings Concrete shear Wall", 5th International Conference of Structural Engineering and Concrete Technology, Paper No. ICSECT 126, DOI: 10.11159/icsect20.126.

Electrical Engineering

JOURNAL PUBLICATIONS

- Carreiro, S., Chintha, K. K., Shrestha, S., Chapman, B., Smelson, D., & Indic, P. (2020). Wearable sensor-based detection of stress and craving in patients during treatment for substance use disorder: A mixed method study. *Drug and Alcohol Dependence*, 209. <https://doi.org/10.1016/j.drugalcdep.2020.107929>
- Ochoa, H. A., Shirvaikar, M., & Onyango, B. H. (2020). A novel hybrid approach to the foundational digital systems curriculum by including FPGA technology and valuable hands-on experience. *Journal of STEM Education: Innovations and Research*, 21(2), 49-53.
- Rachakonda, L., Mohanty, S., Kougianos, E., & Sundaravadivel, P. (2019). Stress-Lysis: A DNN-integrated edge device for stress level detection in the IoMT. *IEEE Transactions on Consumer Electronics (TCE)*, 65(4), 474-483. <https://doi.org/10.1109/TCE.2019.2940472>

PATENTS

Indic, P., Sundaravadivel, P., Reinhardt, M., & Gilbertson, N. (2019). Edge-intelligent IoT based wearable device for detection of cravings in individuals with substance abuse (U.S. Patent No. 16688861). U. S. Patent and Trademark Office. <http://appft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&p=1&u=%2Fnetacgi/html%2FPTO%2Fsearch-boolhtml&r=1&f=G&l=50&co1=AND&d=PG01&s1=16688861&OS=16688861&RS=16688861>

POSTER PRESENTATIONS

Sundaravadivel, P., & Carrillo, J. (2020, April). E-REC: A reconfigurable edge-intelligent scalable controller for smart home automation. In IEEE World Forum for Internet of Things

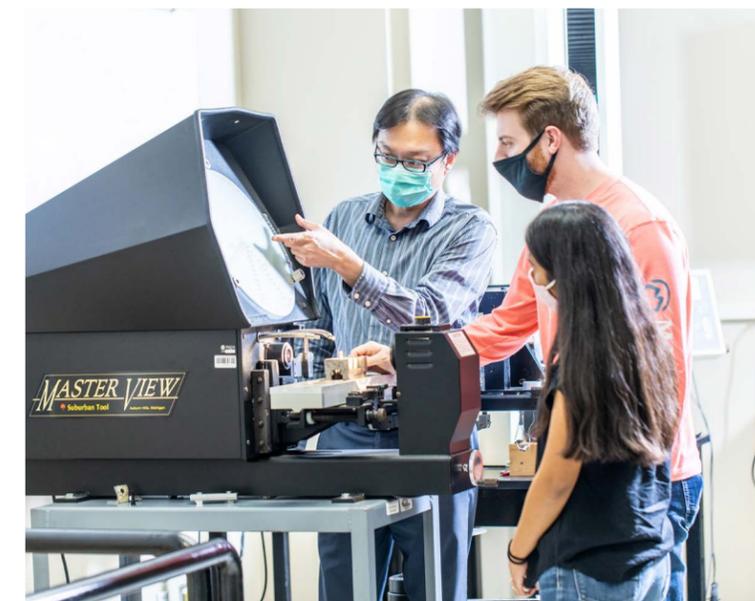
PROCEEDINGS PUBLICATIONS

- Baiji, Y., & Sundaravadivel, P. (2019, December). iLoLeak-Detect: An IoT-based LoRAWAN-enabled oil leak detection system for smart cities. *IEEE International Symposium on Smart Electronic Systems (iSES)*. <https://doi.org/10.1109/iSES47678.2019.00065>
- Kaczor, E., Carreiro, S., Stapp, J., Chapman, B., & Indic, P. (2020, January). Objective measurement of physician stress in the emergency department using a wearable sensor. *Proceedings of the 53rd Hawaii International Conference on System Sciences*. <https://doi.org/10.24251/HICSS.2020.456>
- Khoshnevis, S. A., & Ghorshi, S. (2019, November). Recovery of event related potential signals using compressive sensing and Kronecker technique. 2019 IEEE Global Conference on Signal and Information Processing (GlobalSIP). <https://doi.org/10.1109/GlobalSIP45357.2019.8969504>
- Mendez, M., Carrillo, J., Martin, O., Tchata, C., Sundaravadivel, P., & Vasil, J. (2019, December). EasyYard: An IoT-based smart controller for a connected backyard. *IEEE International Symposium on Smart Electronic Systems (iSES)*. <https://doi.org/10.1109/iSES47678.2019.00064>
- Sallah, A., & Sundaravadivel, P. (2020, July). Tot-Mon: A real-time internet of things based affective framework for monitoring infants. *IEEE Computer Society Annual Symposium on VLSI (ISVLSI)*. Limassol, Cyprus. <https://doi.org/10.1109/ISVLSI49217.2020.00093>
- Shirvaikar, M., Ravela, R., & Grecos, C. (2020, April). No-reference image quality assessment based on residual neural networks (ResNets). *SPIE International Conference on Real Time Image Processing and Deep Learning*. <https://doi.org/10.1117/12.2556347>
- Shirvaikar, M., Richey, B., Kehtarnavaz, N., & Majumder, S. (2020, April). Real-time detection of maize crop disease via a deep learning-based smartphone app. *SPIE International Conference on Real Time Image Processing and Deep Learning*. <https://doi.org/10.1117/12.2557317>
- Sundaravadivel, P., Lee, I., Mohanty, S., Kougianos, E., & Rachakonda, L. (2019, December). RM-IoT: An IoT-based rapid medical response plan for smart cities. *IEEE International Symposium on Smart Electronic Systems (iSES)*. <https://doi.org/10.1109/iSES47678.2019.00061>
- Sundaravadivel, P., Fitzgerald, A., & Indic, P. (2019, December). i-SAD: An edge-intelligent IoT-based wearable for substance abuse detection. *IEEE International Symposium on Smart Electronic Systems (iSES)*. <https://doi.org/10.1109/iSES47678.2019.00035>
- Sundaravadivel, P., Fitzgerald, A., Mohanty, S., & Kougianos, E. (2020, January). Easy-Assist: An intelligent haptic-based affective framework for assisted living. *IEEE International Conference on Consumer Electronics (ICCE)*. Las Vegas, NV, USA. <https://doi.org/10.1109/ICCE46568.2020.9042970>

- Sundaravadivel, P., Goyal, V., & Tamil, L. (2020, January). i-RISE: An IoT-based semi-immersive affective monitoring framework for anxiety disorders. *IEEE International Conference on Consumer Electronics (ICCE)*. Las Vegas, NV, USA. <https://doi.org/10.1109/ICCE46568.2020.9043156>
- Sundaravadivel, P., Tumwesigye, C., Mohanty, S., & Kougianos, E. (2020, January). iMED-Tour: An IoT-based privacy-assured framework for medical services in smart tourism. *IEEE International Conference on Consumer Electronics (ICCE)*. Las Vegas, NV, USA. <https://doi.org/10.1109/ICCE46568.2020.9043085>
- Sundaravadivel, P., Salvatore, P., & Indic, P. (2020, April). M-SID: An IoT-based edge-intelligent framework for suicidal ideation detection. *IEEE World Forum for Internet of Things (WF-IoT)*. New Orleans, LA, USA. <https://doi.org/10.1109/WF-IoT48130.2020.9221279>
- Yadav, G., Sundaravadivel, P., & Kesavan, L. (2020, April). Affect-Learn: An IoT-based affective learning framework for special education. *IEEE World Forum for Internet of Things (WF-IoT)*. New Orleans, LA, USA. <https://doi.org/10.1109/WF-IoT48130.2020.9221339>

GRANTS

- Indic, P. Investigating whether Actigraphy and Ideation Measures can promote patient safety, Department of Veterans Affairs (April 1, 2020), USD \$23,861.
- Sundaravadivel, P. (PI), Indic, P. (Co-PI), Francis, J. (Co-PI). "Easy-Med: Interdisciplinary Training in Security, Privacy-Assured Internet of Medical Things", National Science Foundation (September 1, 2019), USD \$248,597.
- Sundaravadivel, P. i-Her: A Dedicated Affective Wearable System for Improving Women's Health, The University of Texas at Tyler (September 1, 2019), USD \$9,640.



Mechanical Engineering

CREATIVE PRODUCTIONS

Barakat, N. (2019). Employing Accreditation Requirements to Build Engineering Leadership Components in The Curriculum. In 22nd International Conference on Interactive Collaborative Learning.

JOURNAL PUBLICATIONS

Barakat, N., & El-Kishky, O. (2019). Time-series analysis and feature extraction of EEG signals. *International Journal of Science and Engineering Investigations*, 8(91), 181–186. <http://www.ijsei.com/papers/ijsei-89119-24.pdf>

Hernandez III, A. C., & Fumo, N. (2020). A review of variable refrigerant flow HVAC system components for residential application. *International Journal of Refrigeration*, 110, 47-57. <https://doi.org/10.1016/j.jrefrig.2019.11.005>

Pallay, M., Ibrahim, A. I., Miles, R. N., & Towfighian, S. (2019). Pairing electrostatic levitation with triboelectric transduction for high-performance self-powered MEMS sensors and actuators. *Applied Physics Letters*, 115(13). <https://doi.org/10.1063/1.5119814>

Ummidivarapua, V. K., Vorugantia, H. K., Khajah, T., & Bordas, S. P. A. (2020). Isogeometric shape optimization using Teaching Learning-Based Optimization (TLBO) algorithm. *Computer Aided Geometric Design*, 80. <https://doi.org/10.1016/j.cagd.2020.101881>

Wang, Y. T., Goh, C. H., Liao, T., Dong, X. N., Duke, G., Alfred, D., Yang, Y., Xu, J., & Yu, S. (2020). Effects of wheelchair Tai Chi ball exercise on physical and mental health and functional abilities among elderly with physical disability. *Research in Sports Medicine*. <https://doi.org/10.1080/15438627.2020.1777553>

Yazdanshenas, A., Yazdanshenas, A., & Goh, C. H. (2020). Automatic and accurate repositioning of C-Arm prototype using motion capture systems and deep learning. *Science Natural (SN) Computer Science*, 1(3). <https://doi.org/10.1007/s42979-020-00130-1>

POSTER PRESENTATIONS

Biswas, M. A. R. (2020, August). Analysis of fuel cell system through project based learning for application of classical thermal fluid concepts in mechanical engineering laboratory course. In 2020 Spring Meeting & 16th Global Congress on Process Safety. AIChE.

Biswas, M. A. R., & Mwara, K. N. (2020, August). Model development of solid oxide fuel cell thermal performance using artificial neural network. In 2020 Spring Meeting & 16th Global Congress on Process Safety. AIChE.

Craig, A., & Chou, S.-F. (2020, March). Handheld vapor phase hydrogen peroxide decontamination device. In Great Plains Honors Council. Wichita State University.

Vinaik, K., Pokharel, S., El-Kishky, H., Hamouda, A. K., & Barakat, N. (2019, November). Design and Build of an Automated Perfusion System for In-Vitro Cell Testing. In Capital of Texas Undergraduate Research Conference (CTURC). The University of Texas at Austin, Austin, Texas, USA.

PRESENTATIONS

Barakat, N. (2019, December). Employing ABET accreditation requirements to build engineering leadership components in the curriculum. In 5th International Conference on Advances in Mechanical Engineering (ICAME). Istanbul, Turkey.

Biswas, M. A. R., & Pacheco De Resende, F. L. (2020, August). Model development of jet fuel production from hydrolysis using artificial neural network. In Thermal and Fluids Analysis Workshop (TFAWS). NASA Engineering and Safety Center (NESC).

Bridgeman, T., Hu, Y., Zhang, X., Chou, S.-F., Lee, S. Y., & Dong, X. N. (2020, May). Influences of sleep disturbances and mild traumatic brain injury on gait performance among college students. In ACSM's 67th Annual Meeting.

Faglie, A., & Chou, S.-F. (2019, October). Physico-mechanical properties of electrospun poly(vinyl alcohol)/alginate fibers. In The Fiber Society's Fall 2019 Technical Meeting and Conference. The University of Texas at Austin, Austin, Texas, USA.

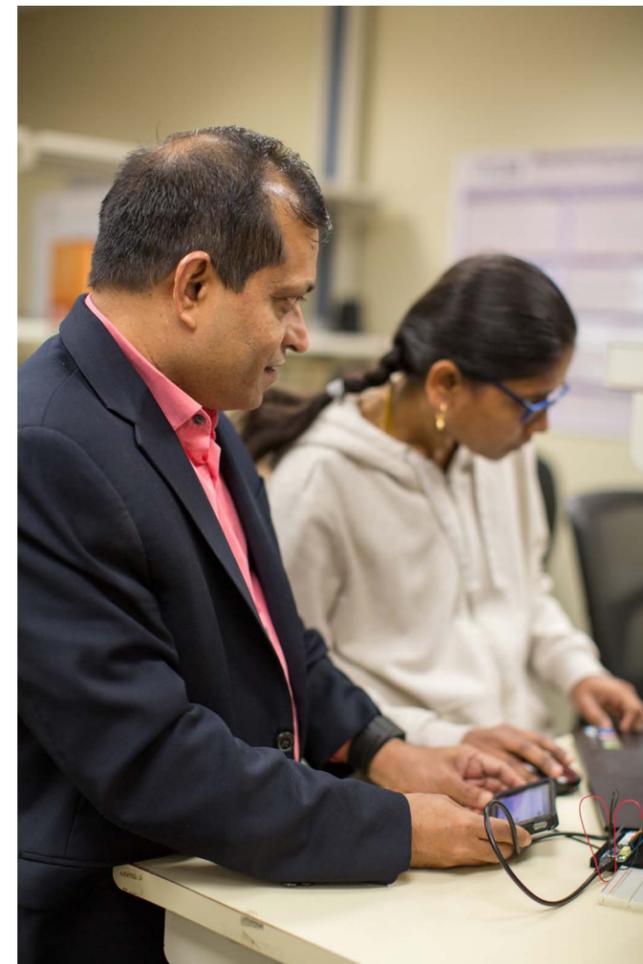
Fumo, N. (2019, October). Economic impact of manual valve selection in large hydronic systems. In 6th Annual Balancing Symposium. ProHydronic Specialties, Inc.

Fumo, N. (2020, January). Air conditioning system dehumidification performance. In ASHRAE East Texas Chapter January Technical Meeting. ASHRAE East Texas Chapter.

Gizaw, M., & Chou, S.-F. (2019, October). Electrospun blend polycaprolactone/chitosan medical fibers. In The Fiber Society's Fall 2019 Technical Meeting and Conference. The University of Texas at Austin, Austin, Texas, USA.

Poudel, S., & Chou, S.-F. (2019, October). Drug stability in electrospun drug-eluting poly(lactic acid) fibers. In The Fiber Society's Fall 2019 Technical Meeting and Conference. The University of Texas at Austin, Austin, Texas, USA.

Sapkota, S., & Chou, S.-F. (2019, October). Dissolution studies of electrospun polyethylene oxide fibers. In The Fiber Society's Fall 2019 Technical Meeting and Conference. The University of Texas at Austin, Austin, Texas, USA.



PROCEEDINGS PUBLICATIONS

Barakat, N., & Ozcelik, S. (2020, June). Project CASCADE: employing cascaded peer-mentoring to increase retention of engineering students. ASEE 2020 Annual Conference and Exposition.

Biswas, M. A. R., Rahman, M. H., & Biswas, M. A. S. (2020, August). Thermodynamic process model development of selected platinum-group metal catalyst based steam methane reformer for hydrogen production. 2020 Spring Meeting & 16th Global Congress on Process Safety.

Brown, F., & Cross, K. (2019, October). Engineering faculty's mindset: An analysis of instructional practice, learning, environment, and teacher authenticity. 2019 IEEE Frontiers in Education Conference.

Fumo, N. (2020, June). Engineering project development through sequence of courses. 2020 ASEE Virtual Annual Conference.

Khajah, T., & Villamizar, V. (2019, Summer). Isogeometric analysis coupled with high order Farfield expansion ABC for the wave equation. 15th U.S. National Congress on Computational Mechanics.

Khajah, T., & Antoine, X. (2020, July). Phase reduced isogeometric approximation of on-surface radiation condition. 14th World Congress on Computational Mechanics (WCCM), ECCOMAS Congress 2020.

Lucci, M., Oyedele, J., Goh, C. H., & Brown, F. (2019, December). An integrated design approach to predict thermo-physical properties of flexinol shape memory alloys. The Second Pacific Rim Thermal Engineering Conference (PRTEC) 2019.

Ogltree, S., & Biswas, M. A. R. (2020, August). Thermal fluid analysis of a solid oxide electrolyzer cell for oxygen production from carbon dioxide. 2020 Spring Meeting & 16th Global Congress on Process Safety.

Ummidivarapua, V. K., Voriganti, H. K., & Khajah, T. (2020, June). Multi-objective isogeometric shape optimization of an acoustic horn using genetic algorithm. i3CDE 2020 (International Congress and Conferences on Computational Design and Engineering 2020).

Villamizar, V., Badger, J., Khajah, T., & Acosta, S. (2019, Summer). High order Farfield expansion ABC coupled with IGA and finite differences applied to acoustic multiple scattering. Waves 2019.

Villamizar, V., Khajah, T., Badger, J., & Acosta, S. (2019, Summer). High order methods for multiple scattering combining isogeometric analysis with Farfield expansions ABC. 15th U.S. National Congress on Computational Mechanics.

Villamizar, V., Khajah, T., Acosta, S., Grundvig, D., Badger, J., & Rojas, O. (2020, May). High order local absorbing boundary conditions for acoustic and elastic scattering. Acoustical Society of America Conference.

GRANTS

Barakat, N. (PI), Hamouda, A. (Co-PI), El-Kishky, H. (Co-PI). Innovative Perfusion simulator for In-Vitro Drug Testing, The University of Texas at Tyler (September 1, 2019), USD \$20,000.

Biswas, M. Model and Control Development of Components in Solid Oxide based Regenerative system for Oxygen Production and Power Generation, The University of Texas at Tyler (September 1, 2019), USD \$4,490.

Fumo, N. Airflow Capture Hood for Residential Supply Registers, American Society of Heating, Refrigerating and Air-Conditioning Engineers (September 1, 2019), USD \$2,000.

Fumo, N. Experimental Apparatus for Testing Metamaterials for Reducing Noise in Ducts, American Society of Heating, Refrigerating and Air-Conditioning Engineers (April 10, 2020), USD \$5,000.

Goh, C. (PI), Marzilli, C. (Co-PI), Dong, N. (Co-PI). Development and Evaluation of the Robotic Patient Transfer Device to Reduce Lower Back Pain in Healthcare Professionals, The University of Texas at Tyler (September 1, 2019), USD \$20,000.

College of Nursing & Health Science

The faculty of the College of Nursing & Health Sciences (CNHS) are committed to improving the health and wellness of individuals, families, and communities. The college is comprised of two departments: the Department of Health & Kinesiology and the School of Nursing. Within Health & Kinesiology, several undergraduate and graduate degrees are offered, including kinesiology, wellness, health sciences, occupational therapy, and communication sciences and disorders. The School of Nursing offers baccalaureate, five different master's, and two doctoral degrees in nursing. CNHS faculty engage in scholarship focused on health-related research, teaching, and practice. This research is supported by the CNHS Institute of Integrated Healthcare under the direction of Dr. X. Neil Dong, associate dean.

The 2019-2020 academic year was certainly an unusual one, and the restrictions caused by the covid pandemic impacted teaching, service, and scholarship as practice sites closed and face-to-face research was significantly reduced. Despite those restrictions, CNHS faculty continued to disseminate their scholarly works. During this year, faculty published 52 journal articles, four chapters, one book, four conference proceedings, and one guest editorial. They also gave 71 presentations (primarily through a virtual format) that included 26 posters and 45 podium presentations. Three faculty participated as experts on panel discussions for national organizations, and another faculty member created a human trafficking educational assessment tool for healthcare providers that has been implemented in large healthcare systems in several states.

The work performed by faculty was supported by over \$3.6 million in current grant funding. This funding supported a diverse body of work, ranging from determining factors for falls among Texas shrimp fishermen (Dr. Cheryl Cooper) to the development and evaluation of a robotic patient transfer device designed to reduce back injuries among healthcare professionals (Drs. X. Neil Dong and Colleen Marzilli).

Others explored how physical function and cognitive vitality predict Alzheimer's (Drs. Beth Mastel-Smith and Ben Tseng). As a practice discipline, funding for some of the School of Nursing projects focused on preparing bystanders to respond to emergencies through a "Stop the Bleed" initiative (Drs. Katheryn Courville and Belinda Deal). Dr. Carol Rizer and her team continued to contribute to the scholarship of practice with an extension of her multimillion InTune grant. The grant funds a mobile clinic that is staffed by faculty and serves as a clinical site for family nurse practitioner and psychiatric nurse practitioner students. The mobile clinic travels to remote underserved areas of East Texas to provide badly needed health services.

As we move forward with the merger between UT Tyler and UT Health Science Center at Tyler, the CNHS faculty are excited about the interprofessional collaborations that will develop. 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
Interim Dean of Nursing and Health Sciences

Health and Kinesiology

CHAPTERS

Njororai Simiyu, W. W. (2019). Culture of magic and sorcery in African football. In C. Onwumehili (Ed.), *Africa's Elite Football: Structure, Politics, and Everyday Challenges* (pp. 99–116). Routledge, Taylor & Francis Group.

JOURNAL PUBLICATIONS

- Alvarez-Risco, A., Mejia, C. R., Delgado-Zegarra, J., Del-Aguila-Arcenales, S., Arce-Esquivel, A. A., Valladares-Garrido, M., Rosas del Portal, M. J., Villegas, L. F., Curioso, W. H., Chandra Sekar, M., & Yañez, J. A. (2020). Peru approach against the COVID-19 infodemic: Insights and strategies. *The American Journal of Tropical Medicine and Hygiene*, 103(2), 583-586. Advance online publication. <https://doi.org/10.4269/ajtmh.20-0536>
- Cage, S. A., Dong, X. N., Warner, B. J., & Gallegos, D. M. (2019). Comparison of pitching from flat ground vs. 10-inch mound regarding elbow varus torque and arm speed. *Journal of Sports Medicine and Allied Health Sciences*, 2(5). <https://doi.org/10.25035/jsmahs.05.02.05>
- Dobrosielski, D. A., Leppert, K. M., Shearer, L. H., & Arce-Esquivel, A. A. (2020). "Peru: Life at the top": A study abroad program designed to enhance knowledge of altitude physiology through experiential learning. *Journal of Physical Education and Sport (JPES)*, 20(4), 1869–1878. <https://doi.org/10.7752/jpes.2020.04253>
- Francis, J., & Dickton, D. (2019). Physical analysis of the breast after direct breastfeeding compared to hand or pump expression: A randomized clinical trial. *Breastfeeding Medicine*, 14(10), 705-711. <https://doi.org/10.1089/bfm.2019.0008>
- Njororai Simiyu, W. W. (2019). Africa at the Football World Cup Final Tournament, 1934 - 2018: Defining moments and memories on the field. *Soccer and Society*, 20(7-8), 973-985. <https://doi.org/10.1080/14660970.2019.1680497>
- Njororai Simiyu, W. W. (2020). Analysis of Kenya's performance at the Olympic Games in track and field (1956 – 2016), reasons for success and the need for event diversification. *Kenya Studies Review*, 8(1), 26–41. <https://kessa.org/wp-content/uploads/2020/06/Njororai.pdf>
- Rojjo, J. R., Njororai Simiyu, W. W., & Starepravo, F. A. (2020). Research on sports migration: an analysis of methodological procedures. *Journal of Physical Education and Sport (JPES)*, 20(2), 546–553. <https://doi.org/10.7752/jpes.2020.02081>
- Santos Melo, E., Antonini, M., Braz Costa, C. R., Sorensen, W., Gir, E., & Karina Resis, R. (2020). Evaluation of cardiovascular risk factors in people living with HIV in São Paulo, Brazil. *Journal of Infection in Developing Countries*, 14(1), 89–96. <https://doi.org/10.3855/jidc.11326>

Wang, Y. T., Goh, C.-H., Dong, X. N., Liao, T., Duke, G., Alfred, D., Yang, Y., Xu, J., & Yu, S. (2020). Effects of Wheelchair Tai Chi ball exercise on physical and mental health and functional abilities among elderly with physical disability. *Research in Sports Medicine*.

<https://doi.org/10.1080/15438627.2020.1777553>

Xiao, P., Zhang, T., Dong, X. N., Huang, Y., & Wang, X. (2020). Prediction of trabecular bone architectural features by deep learning models using simulated DXA images. *Bone Reports*, 13. <https://doi.org/10.1016/j.bonr.2020.100295>

OTHER

Lowe, T. W., Griffin, L., Dennis, R. W., Arce-Esquivel, A. A., & Dong, X. N. (2020). Effects of a 4-week vibration-induced hamstrings fatigue intervention on quadriceps weakness after ACL reconstruction. *International Journal of Exercise Science: Conference Proceedings*, 2(12). <https://digitalcommons.wku.edu/ijesab/vol2/iss12/11>

POSTER PRESENTATIONS

- Faghihifar, J. A. (2019, October). Development of a sensory friendly environment. In *Evidence Based Practice Symposium*. Nursing and Health Science.
- Francis, J., Dickton, D., & Boyle, J. (2019, September). Gestational hypertension – Disparate infant outcomes. In *Health Disparities Conference*. The University of Texas Health Science Center at Tyler, Tyler, Texas, USA.
- Francis, J. (2019, November). Quantifying breast to breast milk volume in effective milk transfer during breastfeeding utilizing new bio sensor technology. In *16th International Symposium on Milk Genomics & Human Health*. International Milk Genomics Consortium.
- Lowe, T. W., Griffin, L., Dennis, R. W., Arce-Esquivel, A. A., & Dong, X. N. (2020, May). Effects of a 4-week vibration-induced hamstrings fatigue intervention on quadriceps weakness after ACL reconstruction. In *ACSM Annual Meeting*. American College of Sports Medicine.
- Njororai Simiyu, W. W., & Njororai, F. J. (2019). Walkability in upper East Texas cities and policy implications time. In *Healthier Texas Summit*.
- Swindall, R., Cooper, C., & Sorensen, W. (2019, September). Presence of blastocystis hominis in stool samples of East Texas children. In *Health Disparities Conference*. The University of Texas Health Science Center at Tyler, Tyler, Texas, USA.
- Yu, S., Lowe, T., Griffin, L., & Dong, X. N. (2020, February). Vibration-induced hamstrings fatigue reduces muscle inhibition of the quadriceps and co-activation of knee muscles for individuals with anterior cruciate ligament (ACL) reconstruction. In *Annual Meeting of Orthopaedic Research Society*. Orthopaedic Research Society.

PRESENTATIONS

- Arce-Esquivel, A. A., Cage, S. A., Tulloch, A. N., & Ballard, J. E. (2019, November). Single dry cupping treatment on vascular function in healthy young individuals. In ACSM's 67th Annual Meeting, Annual Meeting, 11th World Congress on Exercise is Medicine and World Congress on the Basic Science of Exercise in Regenerative Medicine. American College of Sports Medicine.
- Arce-Esquivel, A. A. (2019, December). Aging and physical activity: Biomarkers. In International Symposium: The Aging Process. School of Health Sciences - Universidad Peruana de Ciencias Aplicadas (UPC), Lima, Peru.
- Bridgeman, T., Hu, Y., Zhang, X., Chou, S.-F., Lee, S. Y., & Dong, X. N. (2020, May). Influences of sleep disturbances and mild traumatic brain injury on gait performance among college students. In ACSM Annual Meeting. ACSM.
- Brown, K. D., Cooper, C. M., Arce-Esquivel, A. A., Gottlieb, R. L., & Adams, J. (2019). Impact of ischemic time on functional exercise capacity after orthotopic heart transplantation. In International Society for Heart and Lung Transplantation Annual Meeting April 2020. International Society for Heart and Lung Transplantation.
- Dong, X. N. (2019, September). Movement is life: Application of biomechanics to musculoskeletal health. In Research Seminar for Movement Science. Department of Kinesiology and Health Education, The University of Texas at Austin, Austin, Texas, USA.
- Francis, J., & Lucas, R. (2019, October). Developing the breastfeeding diagnostic device. In 2019 Advanced Methods Conference: Sensor Technology in Research. Council for the Advancement of Nursing Science.
- Lowe, T. W., Griffin, L., Dennis, R. W., Arce-Esquivel, A. A., & Dong, X. N. (2019, November). Effects of a 4-week vibration-induced hamstrings fatigue intervention on quadriceps weakness after ACL reconstruction. In ACSM's 67th Annual Meeting, Annual Meeting, 11th World Congress on Exercise is Medicine and World Congress on the Basic Science of Exercise in Regenerative Medicine. American College of Sports Medicine.
- Lowe, T., Griffin, L., Dennis, R. W., Arce-Esquivel, A. A., & Dong, X. N. (2020, February). Effects of a 4-week vibration-induced hamstrings fatigue intervention on quadriceps weakness after ACL reconstruction. In Chapter of the American College of Sports Medicine (TACSM). Chapter of the American College of Sports Medicine, Waco, Texas, USA
- Lowe, T., Griffin, L., & Dong, X. N. (2020, February). Acute local vibration results in a decrease in knee flexor maximum voluntary contraction. In Annual Meeting of Orthopaedic Research Society. Orthopaedic Research Society.
- Njororai Simiyu, W. W. (2019, September). Leadership is a major constraint to athletic success in Kenya. In 12th Annual Kenya Scholars & Studies Association (KESSA) Conference. KESSA.

PROCEEDINGS PUBLICATIONS

- Njororai Simiyu, W. W. (2019, February). Culture of magic and sorcery in East African soccer. 12th Annual Kenya Scholars & Studies Association (KESSA) Conference. Atlanta, Georgia, USA.
- Njororai Simiyu, W. W. (2020). Leadership is a major constraint to athletic success in Kenya. 12th Annual Kenya Scholars & Studies Association (KESSA) Conference. Atlanta, Georgia, USA.
- Njororai Simiyu, W. W. (2020). Magic and sorcery in East African football. 12th Annual Kenya Scholars & Studies Association (KESSA) Conference. Atlanta, Georgia, USA.

REVIEWS

- Sorensen, W. (2019). Review of Heckert's Fault Lines of Care: Gender, HIV, and Global Health in Bolivia, by C. Heckert. *The Latin Americanist*, 63(3), 372-373. <https://www.muse.jhu.edu/article/736364>

GRANTS

- Tseng, B. Physical Functions and Cognitive Vitality Predict Alzheimer's Risk in Hypertensive Older Adults - A Multifactorial One-Year Observational Study in East Texas, The University of Texas at Tyler (September 1, 2019), USD \$10,000.
- Wiggs, M. (PI), Patterson, D. (Co-PI), Bill, B. (Co-PI). Modification of virus-like particles to target skeletal muscle, The University of Texas at Tyler (September 1, 2019), USD \$20,000.



School of Nursing

CHAPTERS

- Baldwin, S. B., Gibbs, H. A., Greenbaum, J., & Miller, C. L. (2020). Responding to trafficked persons in health care settings: Patient-centered, survivor-centered care. In J. H. Coverdale, M. R. Gordon, & P. T. Nguyen (Eds.), *Human trafficking: A treatment guide for mental health professionals* (pp. 119-132). American Psychiatric Association Publishing.
- McWhorter, R. R., Delello, J. A., Gipson, C., Caruso, K. C., & Mastel-Smith, B. (2020). Do loneliness and social connectedness improve in older adults through mobile technology? In J. A. Delello & R. R. McWhorter (Eds.), *Disruptive and Emerging Technology Trends Across Education and the Workplace* (pp. 221-242). IGI Global. <https://doi.org/10.4018/978-1-7998-2914-0>
- McWhorter, R. R., Delello, J. A., Gipson, C. S., Mastel-Smith, B., & Caruso, K. (2020). Do loneliness and social connectedness improve in older adults through mobile technology? In J. A. Delello & R. R. McWhorter (Eds.), *Disruptive and emerging technology trends across education and the workplace* (pp. 221-242). IGI Global. <https://doi.org/10.4018/978-1-7998-2914-0>
- Parker, C. D. (2020). Nursing informatics. In J. Zerwekh & A. Z. Garneau (Eds.), *Nursing today: Transitions and trends* (10th ed., pp. 550-578). Elsevier.

JOURNAL PUBLICATIONS

- Acebedo, J. C., Haas, B. K., & Hermanns, M. (2019). Breast cancer-related lymphedema in Hispanic women: A phenomenological study. *Journal of Transcultural Nursing*, 32(1), 41-49. <https://doi.org/10.1177/1043659619891236>
- Amaya, M., Donegan, T., Conner, D., Edwards, J., & Gipson, C. (2019). Creating a culture of wellness: A call to action for higher education, igniting change in academic institutions. *Building Healthy Academic Communities Journal*, 3(2), 27-40. <https://doi.org/10.18061/bhac.v3i2.7117>
- Cardoso, D. F. B., Coelho, A. R. N., Louçano, C. D. C., Parola, V. S. O., Rodrigues, M. A., Fineout-Overholt, E., & Apóstolo, J. L. A. (2019). Translation and cross-cultural adaptation of evidence-based practice instruments for Portuguese nursing students. *Revista de Enfermagem Referência*, 4(23), 141-152. <https://doi.org/10.12707/RIV19058>
- Cardoso, D. F. B., Fineout-Overholt, E., Pereira, R. P., Ferraz, L., Rodrigues, M. A., & Apóstolo, J. L. (2020). Translation, cross-cultural adaptation and preliminary validation of instruments for Portuguese nursing educators regarding evidence based practice. *Enfermería Actual de Costa Rica* 38, 1-17.
- Chisolm-Straker, M., Miller, C. L., Duke, G., & Stoklosa, H. (2020). A framework for the development of healthcare provider education programs on human trafficking part two: Survivors. *Journal of Human Trafficking*, 6(4), 410-424. <https://doi.org/10.1080/23322705.2019.1635333>
- Contreras, J. A., Edwards-Maddox, S., Hall, A., & Lee, M. A. (2020). Effects of reflective practice on baccalaureate nursing students' stress, anxiety and competency: An integrative review. *Worldviews on Evidence-Based Nursing*, 17(3), 239-245. <https://doi.org/10.1111/wvn.12438>
- Courville, K. A. (2020). A 55-year-old man with cold agglutinin disease. *Journal of Emergency Nursing*, 46(1), 102-104. <https://doi.org/10.1016/j.jen.2018.11.016>
- Deal, B., 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>
- Duke, G. (2019). Failure in pain management: Enough is enough. *Texas Nursing*, 93(3), 16-17.
- Duke, G., Wool, C., & Tenzing, L. (2020). Awareness of dying and conflict resolution: Texas Asian perspectives. *The Qualitative Report*, 25(8), 3028-3046. <https://nsuworks.nova.edu/tqr/vol25/iss8/12>
- Gibson, E., Duke, G., & Alfred, D. (2020). Exploring the relationships among moral distress, moral courage, and moral resilience in undergraduate nursing students. *Journal of Nursing Education*, 59(7), 392-395. <https://doi.org/10.3928/01484834-20200617-07>
- Gipson, C. S., Chilton, J. M., & Stocks, E. (2020). Refinement and psychometric properties of the Self-Efficacy for Sleep Hygiene Inventory. *Western Journal of Nursing Research*, 43(2), 156-162. <https://doi.org/10.1177/0193945920940977>
- Gunawan, J., Aunguroch, Y., Fisher, M. L., Marzilli, C., & Liu, Y. (2020). Factors related to the clinical competence of registered nurses: Systematic review and meta-analysis. *Journal of Nursing Scholarship*, 52(6), 623-633. <https://doi.org/10.1111/jnu.12594>
- Gunawan, J., Aunguroch, Y., Fisher, M. L., McDaniel, A. M., & Marzilli, C. (2020). Perceived managerial competence of first-line nurse managers: A comparative analysis among public hospitals. *Policy, Politics, & Nursing Practice*, 21(3), 151-163. <https://doi.org/10.1177/1527154420926616>
- Gunawan, J., Aunguroch, Y., & Marzilli, C. (2020). 'New normal' in Covid-19 era: A nursing perspective from Thailand. *Journal of the American Medical Directors Association*, 21(10), 1514-1515. <https://doi.org/10.1016/j.jamda.2020.07.021>
- Higbee, M. R., Chilton, J. M., El-Saidi, M., Duke, G., & Haas, B. K. (2020). Nurses consuming energy drinks report poorer sleep and higher stress. *Western Journal of Nursing Research*, 42(1), 24-31. <https://doi.org/10.1177/0193945919840991>

Lilly, M. L., Hermanns, M., Dallam, D. L., & Soomro, A. (2020). Parkinson's disease: Addressing health care practitioners' automatic responses to hypomimia. *Journal of the American Association of Nurse Practitioners*. Advance online publication. <https://doi.org/10.1097/JXX.0000000000000471>

Martin, S. D., & John, L. D. (2019). Framework to explain the progression of pain in obese or overweight children undergoing tonsillectomy. *Journal of PeriAnesthesia Nursing*, 34(6), 1106–1119. <https://doi.org/10.1016/j.jopan.2019.03.015>

Martin, S. D., & John, L. D. (2020). Implications of a retrospective study on weight-based risk for post-tonsillectomy pain in children. *Journal of PeriAnesthesia Nursing*, 35(2), 140–146. <https://doi.org/10.1016/j.jopan.2019.09.008>

McAlister, B. S. (2019). A case of perceived lack of prenatal caring. *Nursing for Women's Health*, 23(4), 351–356. <https://doi.org/10.1016/j.nwh.2019.05.008>

McAlister, B. S. (2019). Educating student nurses is a wise investment for midwives. *Journal of Midwifery & Women's Health*, 64(5), 529–531. <https://doi.org/10.1111/jmwh.13008>

McNeill, C., Adams, L., Heagele, T., Swanson, M., & Alfred, D. (2020). Emergency preparedness competencies among nurses: Implications for nurse administrators. *The Journal of Nursing Administration*, 50(7/8), 407–413. <https://doi.org/10.1097/NNA.0000000000000908>

McNeill, C., Alfred, D., Nash, T., Chilton, J., & Swanson, M. S. (2020). Characterization of nurses' duty to care and willingness to report. *Nursing Ethics*, 27(2), 348–359. <https://doi.org/10.1177/0969733019846645>

McNeill, C. C., Richie, C., & Alfred, D. (2020). Individual emergency-preparedness efforts: A social justice perspective. *Nursing Ethics*, 27(1), 184–193. <https://doi.org/10.1177/0969733019843621>

Miller, C. L., Chisolm-Straker, M., Duke, G., & Stoklosa, H. (2020). A framework for the development of healthcare provider education programs on human trafficking part three: Recommendations. *Journal of Human Trafficking*, 6(4), 425–434. <https://doi.org/10.1080/23322705.2019.1635342>

Murley, B., Haas, B., Hermanns, M., Wang, Y. T., & Stocks, E. (2019). Influence of Tai Chi on self-efficacy, quality of life, and fatigue among patients with cancer receiving chemotherapy: A pilot study brief. *Journal of Holistic Nursing*, 37(4), 354–363. <https://doi.org/10.1177/0898010119867557>

Patterson, J., Duke, G., Stocks, E., & Hermanns, M. (2020). Simulation to enhance empathy of nursing students toward patients with alcohol use disorder: A mixed-methods study. *Nurse Educator*, 45(6), 331–335. <https://doi.org/10.1097/NNE.0000000000000804>

Prokop, J., Alfred, D., & Reid, C. (2020). Nursing impact on chronic disease Medicaid health home patients: A qualitative study. *Nursing Forum*, 55(2), 99–105. <https://doi.org/10.1111/nuf.12403>

Roberts, A., Rizer, C. A., Schlemmer, T., McInnis, A., Petersen, S., & Lusk, M. (2020). Bridging the gap of access to care: Impact of an academic/community partnership on primary care and psychiatric/mental health care in rural northeast Texas. *International Journal of Case Reports & Short Reviews*, 6(8), 032–037. <https://dx.doi.org/10.37871/ijcrsr.id80>

Schlemmer, T. (2020). Nurse practitioner occupational burnout: A focus on the variables and themes. *International Journal of Nursing and Health Care Research*, 3(4). <https://doi.org/10.29011/2688-9501.101160>

Stoklosa, H., Miller, C. L., Duke, G., & Chisolm-Straker, M. (2020). A framework for the development of healthcare provider education programs on human trafficking part one: Experts. *Journal of Human Trafficking*, 6(4), 388–409. <https://doi.org/10.1080/23322705.2019.1584724>

Walker, D., Altmiller, G., Hromadik, L., Barkell, N., Barker, N., Boyd, T., Compton, M., Cook, P., Curia, M., Hays, D., Flexner, R., Jordan, J., Jowell, V., Kaulback, M., Magpantay-Monroe, E., Rudolph, B., Toothaker, R., Vottero, B., & Wallace, S. (2020). Nursing students' perceptions of just culture in nursing programs: A multisite study. *Nurse Educator*, 45(3), 133–138. <https://doi.org/10.1097/NNE.0000000000000739>

Wang, Y. T., Goh, C.-H., Liao, T., Dong, X. N., Duke, G., Alfred, D., Yang, Y., Xu, J., & Yu, S. (2020). Effects of wheelchair Tai Chi ball exercise on physical and mental health and functional abilities among elderly with physical disability. *Research in Sports Medicine*. Advance online publication. <https://doi.org/10.1080/15438627.2020.1777553>

Yang, J., Lee, S. Y., Zhou, Y., Cui, Y., Han, Y., Song, H., & Zhang, H. (2019). Parent supervision attributes profile questionnaire (PSAPQ) for young children: Psychometric properties of the Chinese version. *BMC Public Health*, 19, Article 1073. <https://doi.org/10.1186/s12889-019-7362-4>

Zhang, X., Li, Q., Guo, Y., & Lee, S. Y. (2019). From organisational support to second victim-related distress: Role of patient safety culture. *Journal of Nursing Management*, 27(8), 1818–1825. <https://doi.org/10.1111/jonm.12881>

OTHER

Gipson, C., & Donegan, T. (2019). National Consortium for Building Healthy Academic Communities (BHAC) 2019 National Summit: An experience to remember. *Building Healthy Academic Communities Journal*, 3(2). <http://dx.doi.org/10.18061/bhac.v3i2.7264>

Greer, D. B. (2019, October). JCN Expert Panel-Live Webinar-Strength's Based Teaching. NCF Journal Club.

Murley, B. M., Haas, B. K., & Hermanns, M. (2019). Influence of Tai Chi on self-efficacy, quality of life, and fatigue among patients with cancer receiving chemotherapy. American Holistic Nurses Association Webinar.

POSTER PRESENTATIONS

Courville, K. A., & Lowe, A. (2020, March). Teaching East Texans to respond to life-threatening bleeding: A UTT Longview nursing student clinical assignment. East Texas Research Conference, Tyler, TX. Conference canceled

Courville, K. A., Coffee, S., & Speier, J. (2020, April). Stop the Bleed initiative: RAC-G uses its network of emergency response agencies to train East Texans in life-saving bleeding control skills. East Texas Research Conference, Tyler, TX. Conference canceled

Gehring, J. (2019, November). Family management and risk/protective factors predicts quality of life among military children with chronic conditions. Sigma Theta Tau International Honor Society of Nursing 45th Biennial Convention, Washington, D.C. <https://sigma.nursingrepository.org/handle/10755/18890>

Gibbs, H., Lewis-O'Connor, A., Baldwin, S., Chambers, R., Greenbaum, J., Miller, C. L., Littenberg, N., & Stoklosa, H. (2019, November). PEARR Tool: Trauma-informed approach to victim assistance in health care settings. American Public Health Association 2019 Annual Meeting and Expo, Philadelphia, PA.

Hall, A. (2019, November). Barriers and facilitators to implementing standardized debriefing among undergraduate nursing simulation faculty. INACSL.

Hall, A. (2020, April). Effects of reflective practice on baccalaureate nursing students: An integrative review. East Texas Research Conference, Tyler, TX. Conference canceled

Hall, A. (2020, Spring). Generation Z and anxiety, A multifaceted cultural problem. Texas Woman's University Doctoral Colloquium.

Heagele, T., McNeill, C., Adams, L., & Alfred, D. (2020, March). Household emergency preparedness instrument development: A Delphi study. 2020 Nursing Education Research Conference, Washington, D. C. Conference canceled

Lake, P. K., & Scheinfeld, E. (2019, October). Making sense of end-of-life communication between adult children and their parental figures. 2019 International Caritas Consortium (ICC), San Francisco, CA.

Marzilli, C. (2020, March). Cultural competence and nursing faculty: Implications for future research. Beta Chi Research Conference. Sigma Theta Tau International Honor Society for Nursing Beta Chi Chapter.

Marzilli, C., & McInnis, M. (2020, March). Challenges related to AED usage in the community setting. Beta Chi Research Conference. Sigma Theta Tau International Honor Society for Nursing Beta Chi Chapter.

Marzilli, C. (2020, April). Culture and bias: What matters. East Texas Research Conference, Tyler, TX. Conference canceled

Page, R., Montalvo-Liendo, N., Nava, A., & Chilton, J. (2019, October). Latinas' experiences in support groups for IPV survivors. American Academy of Nursing's 2019 Transforming Health, Driving Policy Conference, Washington, D.C.

Rizer, C. A., Chapman, B., Kennel, K., Roberts, A., Kelley, T., & Rivera, C. (2020, February). Implementing behavioral health into rural mobile primary care clinic - A case report. "Sustaining Primary Care – Behavioral Health Integration" Conference in Nashville, hosted by Vanderbilt University School of Nursing. Vanderbilt University School of Nursing.

Rizer, C. A., Kennel, K., Chapman, B., Kelley, T., & Rivera, C. (2020, Spring). Implementing behavioral health into rural mobile primary care clinic - A case report. East Texas Research Conference, Tyler, TX. Conference canceled

Rizer, C. A., Kennel, K., Chapman, B., Kelley, T., & Rivera, C. (2020, Summer). Implementing behavioral health into rural mobile primary care clinic - A case report. Sustaining Primary Care--Behavioral Health Integration. Vanderbilt.

PRESENTATIONS

Alfred, D., & Stangeland, P. (2020, Summer). Resilience and the dual threat of hurricanes and COVID 19. Texas Hurricane Response Hub Sponsored ECHO Series 2020. Texas Health Institute.

Amaya, M., Marriott, K., Gipson, C., Brauer, N., & Edwards, J. (2020, Summer). Building and sustaining a culture and environment of wellbeing: Key strategies for success. Building Healthy Academic Communities.

Boicey, C. M., Roberts, W. D., & Parker, C. D. (2020, August). Presidents Address / Medicomp Systems Sponsor Welcome & Opening Keynote - The value of nursing data...in times of a pandemic. American Nursing Informatics Association 2020 Annual Conference, Nursing Informatics 2.0: Got Data...Now What?

Courville, K. A., & McKay, C. (2020, July). Healthcare delivery and smartphones: A pragmatic approach to innovation & collaboration. In Sigma Theta Tau International Congress 2020. Sigma Theta Tau International. Conference Canceled

Courville, K., & McKay, C. (2020, August). We don't need no stinkin' theory! The practical uses of a theory-driven literature review of smartphone technology used by interprofessional teams. American Nursing Informatics Association 2020 Annual Conference, Nursing Informatics 2.0: Got Data...Now What?

Fineout-Overholt, E. (2019, Autumn). Brass tacks: Making EBP work at the bedside. Berks Regional Nursing Research Alliance Symposium. Berks Regional Nursing Research Alliance.

Fineout-Overholt, E. (2019, Autumn). Sustainable excellence in healthcare deliver: The role of EBP. Berks Regional Nursing Research Alliance Symposium. Berks Regional Nursing Research Alliance.

Fineout-Overholt, E. (2019, October). EBP paradigm & process: An overview. 4th Annual Interprofessional Evidence-Based Practice Conference, Tyler, TX.

George, J. M. (2019, October). Putting together the clinical judgement puzzle. 4th Annual Interprofessional Evidence-Based Practice Conference, Tyler, TX.

Jordan, J., & Jowell, V. (2020, March). "Student perceptions of just culture in nursing education programs: A multi-site study." In Accepted for presentation at the Nursing Education Research Conference presented by the National League for Nursing and Sigma Theta Tau International https://issuu.com/stti/docs/nerc_2020 program. Conference Canceled

Marzilli, C. (2019, October). Cultural competence in healthcare. Pre-Med Enrichment Group Series. UT Health East Texas.

Marzilli, C. (2020, January). Careers in nursing. Pre-Health Conference Jacksonville. UT Health East Texas.

Marzilli, C. (2020, February). Call to care: Exploring nursing. Pre-Health Conference at UT Health East Texas. UT Health East Texas.

Marzilli, C. (2020, June). Grace, joy, and hope for the nursing profession. Armenian Nurses Association. Armenian Nurses Association.

Marzilli, C. (2020, June). MSVA: Nursing as a profession. Medical Scholars Virtual Academy. The University of Texas Health Science Center at Tyler Medical Scholars Virtual Academy.

Marzilli, C. (2020, July). Evidence-based practice during COVID-19. Armenian Nurses Association. Armenian Nurses Association.

McAlister, B. (as May 30 – June 1, 2020). Transform nursing students into professional allies, clients, and future midwives. American College of Nurse-Midwives 65th Annual Meeting & Exhibition.

Miller, C. L. (2020, January). Human trafficking and the oral health care provider. San Antonio District Dental Hygienists' Association. San Antonio District Dental Hygienists' Association.

Miller, C. L. (2020, July). Developing health care provider education on human trafficking: Recommendations from survivors and subject matter experts. Sigma Theta Tau International 31st Annual Research Congress. Sigma Theta Tau International.

Miller, C. L., & DeLaRosa, D. (2020, July). DNP vs. PhD: Perceptions vs. reality. In Sigma Theta Tau International 31st Annual Research Congress. Sigma Theta Tau International.

Montalvo-Liendo, N., Chilton, J., Page, R., & Nava, A. (2020, Summer). Evaluating nurse-led long-term support groups for women survivors of intimate partner violence. Nursing Network Violence Against Women International (NNVAWI). Nursing Network on Violence Against Women International (NNVAWI).

Parker, C. D. (2019, October). Preparing yourself for healthcare in the 21st century. 4th Annual Interprofessional Evidence-Based Practice Conference, Tyler, TX.

Parker, C. D. (2020). Keynote: Staying relevant and employable in nursing while enjoying your career. In 2020 TNSA Annual State Convention. Texas Student Nurses Association.

Parker, C. D., & Nelson, T. (2020, August). Excel for beginners. American Nursing Informatics Association 2020 Annual Conference, Nursing Informatics 2.0: Got Data...Now What?

Parker, C. D., & Elkind, E.C. (2020, August). Nursing informatics certification review course. American Nursing Informatics Association 2020 Annual Conference, Nursing Informatics 2.0: Got Data...Now What?

Parker, C. D., & Nelson, T. (2020, August). Data analytics using Excel - Part 1, 2 & 3. American Nursing Informatics Association 2020 Annual Conference, Nursing Informatics 2.0: Got Data...Now What?

Parker, C. D. & Sengstack, P., (2020, August). Opening Comments. What's an informatics nurse worth? Using data to elevate your career. American Nursing Informatics Association 2020 Annual Conference, Nursing Informatics 2.0: Got Data...Now What?

Seagondollar, M. T., & Parker, C. D. (2020, August). ANA Scope and Standards of Practice for Nursing Informatics, 3rd Edition & Closing Remarks. American Nursing Informatics Association 2020 Annual Conference, Nursing Informatics 2.0: Got Data...Now What?

Seagondollar, M. T., & Parker, C. D. (2020, August). ANA Scope and Standards of Practice for Nursing Informatics, 3rd Edition & Closing Remarks. American Nursing Informatics Association 2020 Annual Conference, Nursing Informatics 2.0: Got Data...Now What?

Weinstein, S., & Marzilli, C. (2020, April). Separation anxiety and fatigue: The new normal during COVID-19. Armenian Nurses Association. Armenian Nurses Association

REVIEWS

Johnson, L. O. (2020). Review of Capriotti. Pathophysiology introductory concepts and clinical perspectives. FA Davis.

GRANTS

Miller, C. Implementation of Policies, Procedures, and Education on Trafficking in Persons in Six Health Care Systems; an Outcomes Study, Global Strategic Operatives for the Eradication of Human Trafficking: Initiated at the United Nations 2018 (January 1, 2020), USD \$20,000.



School of Medical & Biological Sciences

The School of Medical Biological Sciences (SMBS) at The University of Texas Health Science Center at Tyler 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

Medicine and Research Faculty

CHAPTERS

- Brown-Elliott, B.A., Wallace, R.J., Jr. (2019). Mycobacterium: Clinical and Laboratory Characteristics of rapidly growing mycobacteria. In *Manual of Clinical Microbiology*. 12th Edition. (pp. 612-628). Washington, D.C.
- Brown-Elliott, B. A., & Wallace, R.J., Jr. (2019). Infections caused by nontuberculous mycobacteria other than Mycobacterium avium complex. In *Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases*. 9th Edition. (pp 3049-3058). Philadelphia: Elsevier.
- Caulfield, A.J., Richter E., Brown-Elliott B.A., Wallace R.J., Jr. (2019). Mycobacterium: Laboratory characteristics of slowly growing mycobacteria other than Mycobacterium tuberculosis. In *Manual of Clinical Microbiology*. 12th Edition. (pp. 595-611). Washington, D.C.: ASM Press.
- Conville, P., Brown-Elliott, B.A. (2019). Nocardia, Rhodococcus, Gordonia, Actinomyces, Streptomyces and other Actinomycetes. In *Manual of Clinical Microbiology*. 12th Edition. (pp. 525-557). Washington, D.C.: ASM Press.
- Woods, G.L., Lin, S-YG, Brown-Elliott, B.A., Conville, P.S., Desmond, E.P., Hall, G.S., Lin, G., Pfyffer, G.E., Ridderhof, J.C., Siddiqi, S.H., Wallace, R.J., Warren, N.G., Witebsky, F.G. (2019). Susceptibility test methods: Mycobacteria, Nocardia, and other actinomycetes. In *Manual of Clinical Microbiology*. (pp. 1398-1419). Washington, D.C.: ASM Press.

JOURNAL PUBLICATIONS

- Acharya, P., Williams, W., Henderson, R., Janowska, K., Manne, K., Parks, R., Deyton, M., Spreng, J., Stalls, V., Kopp, M., Mansouri, K., Edwards, R. J., Meyerhoff, R. R., Oguin, T., Sempowski, G., Saunders, K., & Haynes, B. F. (2020). A glycan cluster on the SARS-CoV-2 spike ectodomain is recognized by Fab-dimerized glycan-reactive antibodies. *bioRxiv: the preprint server for biology*, 2020.06.30.178897. <https://doi.org/10.1101/2020.06.30.178897>
- Behrens, C., Rocha, P., Parra, E. R., Feng, L., Rodriguez-Canales, J., Solis, L. M., Mino, B., Zhang, J., Gibbons, D. L., Sepesi, B., Rice, D., Heymach, J. V., Moran, C., Creighton, C. J., Lee, J. J., Kadara, H., & Wistuba, I. I. (2020). Female Gender Predicts Augmented Immune Infiltration in Lung Adenocarcinoma. *Clinical lung cancer*, S1525-7304(20)30185-6. Advance online publication. <https://doi.org/10.1016/j.clcc.2020.06.003>

- Broderick, R., Fuchs, K. H., Breithaupt, W., Varga, G., Schulz, T., Babic, B., Lee, A., Musial, F., & Horgan, S. (2020). Clinical Presentation of Gastroesophageal Reflux Disease: A Prospective Study on Symptom Diversity and Modification of Questionnaire Application. *Digestive diseases (Basel, Switzerland)*, 38(3), 188–195. <https://doi.org/10.1159/000502796>
- Brown-Elliott, Barbara A., Fritsche, Thomas R., Olson, Brooke J., Vasireddy, Sruthi, Vasireddy, Ravikiran, Iakhiaeva, Elena, . . . Branda, John A. (2019). Comparison of Two Commercial Matrix-Assisted Laser Desorption/Ionization-Time of Flight Mass Spectrometry (MALDI-TOF MS) Systems for Identification of Nontuberculous Mycobacteria. *American Journal of Clinical Pathology*, 152(4), 527-536. <https://doi.org/10.1093/ajcp/aqz073>
- Brown-Elliott, B., Molina, S., Fly, T., Njie, O., Stribley, P., Stephenson, D., . . . Perry, J. (2019). Evaluation of a novel rapidly-growing mycobacteria medium for isolation of Mycobacterium abscessus complex from respiratory specimens from patients with bronchiectasis. *Heliyon*, 5(10), E02684. <https://dx.doi.org/10.1016%2Fj.heliyon.2019.e02684>
- Brown-Elliott, B., & Woods, G. (2019). Antimycobacterial Susceptibility Testing of Nontuberculous Mycobacteria. *Journal of Clinical Microbiology*, 57(10). <https://dx.doi.org/10.1128%2FJCM.00834-19>
- Chang, J., Chen, Z., Zhao, R., Nie, H. G., & Ji, H. L. (2020). Ion transport mechanisms for smoke inhalation-injured airway epithelial barrier. *Cell biology and toxicology*, 36(6), 571–589. DOI: <https://doi.org/10.1007/s10565-020-09545-1>
- Chotirmall, S. H., & McShane, P. J. (2019). Time to acknowledge, address, and take action against bronchiectasis. *The Lancet. Global health*, 7(9), e1162–e1163. [https://doi.org/10.1016/S2214-109X\(19\)30311-0](https://doi.org/10.1016/S2214-109X(19)30311-0)
- 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. DOI: <https://doi.org/10.1016/j.cell.2020.07.019>
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FUNDED GRANTS

Elliot, B. Comparison of In Vitro Susceptibility of Omadacycline with Tigecycline, Minocycline, Doxycycline and Other Comparator Antimicrobials Against Isolates of Nontuberculosis Mycobacteria, Paratek Pharmaceuticals, Inc. (June 1, 2019), USD \$55,383.

Elliot, B. Comparison of In vitro Susceptibility of Delafloxacin with Ciprofloxacin, Moxifloxacin, and Other Comparator Antimicrobials Against Isolates of Nontuberculosis Mycobacteria, Melinta Therapeutics (May 10, 2019), USD \$54,019.

Elliot, B. In vitro Susceptibility of Eravacycline Against Isolates of Nontuberculosis Mycobacteria, Tetrphase Pharmaceuticals (November 1, 2019), USD \$14,091.

Guo, X. Deducator of cytokinesis 2 in atherosclerosis, National Heart, Lung, and Blood Institute (May 15, 2020), USD \$747,000.

Idell, S., Center for Clinical and Translational - N3C & All of Us Research Program Collaborative Project, National Center for Advancing Translational Sciences (September 1, 2020) USD \$120,665

Idell, S. Development of antidotes for toxic gases, National Institute of Environmental Health Sciences (September 30, 2016), USD \$435,783.

Idell, S. Center for Clinical and Translational Sciences (CCTS) - Convalescent Plasma Study, National Center for Advancing Translational Sciences (August 18, 2020), USD \$2,253,118.

Idell, S., Florova, G., Komissarov, A. Optimization of a Rabbit Hemothorax Model for Evidence-Based Pharmacologic Interventions. National Heart, Lung, and Blood Institute (August 15, 2020), USD \$881,243.

Idell, S. Center for Clinical and Translational Sciences (CTSA Hub Research Capacity). National Center for Advancing Translational Sciences (July 24, 2019), USD \$619,080.

Idell, S. Airway Delivery of Fibrinolytic Therapy for ISALI. National Heart, Lung, and Blood Institute (May 1, 2017), USD \$3,012,114

Ikebe, M., Idell, S., Tucker, T. Myocardin in the pathogenesis of pleural remodeling. National Heart, Lung, and Blood Institute (July 1, 2019), USD \$1,901,186.

Ji, H. L. Novel Paracrine Mechanisms for Cell-Based Therapy of Injured Lungs. National Heart, Lung, and Blood Institute (September 1, 2017), USD \$1,494,364.

Kant, S. PK/PD Optimized Cephalosporins Based Treatment Regimens for Children With MDR-TB. Eunice Kennedy Shriver National Institute of Child Health and Human Development (September 1, 2019), USD \$1,553,193.

Kant, S. Novel short Course Chemotherapy for Treatment of M. Kansaii. American Thoracic Society (January 1, 2019), USD \$34,812.

Komissarov, A., Idell, S., Florova, G. Delivery of PAI-1 targeted intrapleural fibrinolytic therapy for empyema. National Heart, Lung, and Blood Institute (January 1, 2017), USD \$1,397,937.

Komissarov, A., Idell, S., Florova, G. Delivery of PAI-1 targeted intrapleural fibrinolytic therapy for empyema. National Heart, Lung, and Blood Institute (Supplement: Girard) (January 1, 2019), USD \$94,515.

Konduru, N. Lipoprotein Corona Fingerprints: Implications for Pulmonary Clearance and Toxicity of Engineered Nanoparticles. National Institute of Environmental Health Science (March 1, 2019), USD \$747,000.

Lella, V. Membrane Phospholipids: The Key Regulator of Tissue Factor Encryption/Decryption. National Heart, Lung, and Blood Institute (May 1, 2020), USD \$1,828,132.

Lella, V. Membrane Phospholipids: The Key Regulator of Tissue Factor Encryption/Decryption. National Heart, Lung, and Blood Institute (September 1, 2015), USD \$1,450,000.

Lella, V. Factor VIIa Interaction with Endothelial Cell Protein C Receptor. National Heart, Lung, and Blood Institute (September 1, 2016), USD \$1,470,470.

Shetty, S. Control of fibrosing lung disease by p53-miR-34a-targeted therapeutics. National Heart, Lung, and Blood Institute (September 1, 2016), USD \$1,567,176.

Shetty, S. Therapeutic effects of CSP7 on passive tobacco smoke-induced lung injury. Flight Attendant Medical Research Institute (July 1, 2016), USD \$325,500.

Shetty, S. Role of p53 and PAI-1 in Tobacco Smoke-Induced Lung Injury. School of Medical Biological Sciences (March 1, 2020), USD \$294,000.

Shetty, S. Role of p53 and PAI-1 in tobacco smoke exposure induced lung injury. National Institute of Environmental Health Sciences (August 1, 2016), USD \$393,250.

Tang, H. Identification of Novel Necroptosis Pathways in Human Lung Epithelial Cells. National Institute of Allergy and Infectious Diseases (May 15, 2018), USD \$390,488.

Tang, H. The Role of Runx3 in Host Response to Influenza Virus Infection. National Institute of Allergy and Infectious Diseases (August 1, 2018), USD \$389,792.

Tripathi, D. Memory like NK cells as biomarkers for risk of activation of latent TB in HIV+ individuals. CRDF Global (September 18, 2019), USD \$119,998.

Tucker, T. Fibrinolytic proteases, meso-mesenchymal transition and pleural remodeling. National Heart, Lung, and Blood Institute (January 1, 2017), USD \$1,812,500.

Vankayalapati, R. IFN-g independent inhibition of MTB growth in human macrophages. National Institute of Allergy and Infectious Diseases (May 8, 2017), USD \$1,409,450.

Vankayalapati, R. Thyroxine (T4) hormone inhibits expansion of immunosuppressive CD4CD25+Foxp3+ (Tregs) cells. National Institute of Allergy and Infectious Diseases (September 8, 2020), USD \$145,600.

Vankayalapati, R. RePORT India Common Protocol Support – UTHSC. National Institute of Allergy and Infectious Diseases (September 1, 2015), USD \$187,004.

Vankayalapati, R. Innate immune response of LTBI+HIV+ children. National Institute of Allergy and Infectious Diseases (September 14, 2020), USD \$2,804,060.

Vankayalapati, R. RePORT India Phase II. National Institute of Allergy and Infectious Diseases (October 1, 2019), USD \$1,397,941.

Yi, G. New CRISPR-Cas9 protein delivery to T cells in vivo by targeting CD7. National Institute of Allergy and Infectious Diseases (December 2, 2019), USD \$2,065,311.



School of Community and Rural Health

The School of Community and Rural Health (SCRH) at the UT Health North Campus 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 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, the Center for Population Health and Quality Advancement, Area Health Education Center (AHEC), the Southwest Center for Agricultural Health, Injury Prevention and Education, and two graduate degree programs, the Master of Public Health (MPH) and the Master of Health Administration (MHA). 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. 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, student enrollment and extramural funding have steadily increased proportionately. The SCRH met its student enrollment targets for 2020 and 2021. With over \$15 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 publication are underway.

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.

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

CHAPTERS

- Ledlow, J. R., Cwiek, M. A. (2019). Chapter 11, Models of Leadership Strategy and Influence in Health Organizations. In J. A. Johnson & C. C. Rossow (Eds.), *Health Organizations: Theory, Behavior and Development*, 2d Edition, (pp. 133-154). Boston, Massachusetts: Jones and Bartlett Publishers.
- Ledlow, J. R., Johnson, James A. (2019). Chapter 6, Organizational Leadership Theory. In J. A. Johnson & C. C. Rossow (Eds.), *Health Organizations: Theory, Behavior and Development*, 2d Edition, (pp. 59-82). Boston, Massachusetts: Jones and Bartlett Publishers.
- Ledlow, J. R., Stephens, J. (2019). Chapter 12, Decision Making, Analytics and Communication in Health Organizations. In J. A. Johnson & C. C. Rossow (Eds.), *Health Organizations: Theory, Behavior and Development*, 2d Edition, (pp. 155-174). Boston, Massachusetts: Jones and Bartlett Publishers.
- Smith, V.; Jeffers, K.; Kennedy, M. & Ledlow, G. (2019). Mid Edition Release Chapter, Leadership and Advocacy: Complementary Roles to Create Change. In *Leadership for Health Professionals: Theory, Skills and Applications*, (3rd ed). Sudbury, MA: Jones and Bartlett Learning.

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- Buek, K. W., Lakey, D. L., & Mandell, D. J. (2019). Paternity establishment at birth and early maltreatment: Risk and protective effects by maternal race and ethnicity. *Child abuse & neglect*, 95, 104069. <https://doi.org/10.1016/j.chiabu.2019.104069>
- Chen Y. T., Becker H. A., Orsak G., Allen C. M., & McGaha P.K. (2020) Predictors of Colorectal Cancer Screening Activities among Uninsured Individuals in Rural Northeast Texas. *Texas Public Health Journal*, 72(2), 13.

- Cook, A., Harris, R., Brown, H. E., & Bedrick, E. (2020). Geospatial characteristics of non-motor vehicle and assault-related trauma events in greater Phoenix, Arizona. *Injury epidemiology*, 7(1), 34. <https://doi.org/10.1186/s40621-020-00258-x>
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- Davis, J., Berkshire, S., Maryon, T., & Pierannunzi, C. (2019) Examining Social Determinants by Locale to Inform Community Linkages. [Doctoral Dissertation, Central Michigan University, Mount Pleasant]. <https://scholarly.cmich.edu/?a=d&d=CMUGR2019-097&e=-----en-10--1--txt-txIN%7ctxAUF%7ctxTI----->
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PRESENTATIONS

- Nessim D. (2019, March 30-April 1). Surveillance of Organophosphate Pesticide Workers; Lessons Learned from “Tick Eradicators” in Texas [Conference presentation accepted]. Texas Public Health Association Annual Education Conference, Irving, Texas.
- Singh, K., Ndetan, H., Eby, W., Tabatabai, M., Bursac, Z., Uhm, M., Bartolucci, A. & Bae, S. A flexible family of hypertabastic models. MODSIM2019, 23rd International Congress on Modelling and Simulation. Modelling and Simulation Society of Australia and New Zealand, December 2019, pp. 1181–1187. ISBN: 978-0-9758400-9-2. <https://doi.org/10.36334/modsim.2019.11.singh>
- Zaman A, Khademi S, & Nessim D. (2020, March 12-13). Development and Assessment of a Computer-Based Training Module to educate first responders on Fentanyl Exposure Prevention. [Conference presentation accepted]. International Conference on Occupational Health and Safety, Miami, Florida.



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 well-founded in the knowledge and skills needed to establish meaningful careers in healthcare.

Fisch College of Pharmacy students learn in a progressive team-based program, built on fundamental scaffolding. The innovative pedagogy emphasizes communication, critical thinking, and teamwork to solve real-world problems facing patients and practitioners today.

Beginning the first semester in the program, Fisch College of Pharmacy students spend nearly 2,000 hours outside the classroom in the community working alongside pharmacists, nurses, and physicians to provide care for patients in the community and in the hospital. Over 700 practicing pharmacists have worked with our student pharmacists at nearly 600 practice sites in Texas. Our students' are building a positive reputation throughout the state.

Two departments are the academic components of the Fisch College of Pharmacy. 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 17 pharmacist faculty who have varied areas of practice specialty meeting the needs of students and patients in East Texas. Scholarship interests include health literacy, drug development, cancer treatment, substance misuse, transitions of care, and a host of other topics.

As the Fisch College of Pharmacy was being developed, the faculty were active in advancing research and scholarship in the pharmaceutical sciences, clinical sciences, and health outcomes. Just over two years ago, the Fisch College of Pharmacy completed construction of over 4,500 square feet of new research space designed for collaborative, interdisciplinary research. The new research space greatly augmented 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 non-profit organizations. We look forward to continue working with our colleagues at UT Tyler and across the country to advance research and scholarship at The University of Texas at Tyler.

Dr. Lane Brunner
Dean, Fisch College of Pharmacy

Clinical Sciences

CHAPTERS

- Min, Y., Shoair, O. A., Slattum, P. W. (2019). Medication-related dizziness in the older adult. In Kesser, B. W. (Ed.), *Dizziness and vertigo across the lifespan*. (pp. 223–235). Elsevier.
- Wallace, T., Cho, J.C. (2019). Chlamydia and gonorrhea. In J. Cho (Ed.), *Infectious diseases: A case study approach*. (pp. 111-114). McGraw-Hill Education.
- Yang, T. “Cindy”, Cho, J.C. (2020). Necrotizing fasciitis. In J. C. Cho (Ed.), *Infectious diseases case study approach* (pp. 71–74). McGraw-Hill Education.

JOURNAL PUBLICATIONS

- Cho, J., Wallace, T., & Yu, F. (2019). Pharmacy faculty and students' perceptions of standardized patients for objective structured clinical examinations. *Currents in Pharmacy Teaching and Learning*, 11(12), 1281–1286. <https://doi.org/10.1016/j.cptl.2019.09.006>
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- Parmentier, B. L. (2020). Second-generation long-acting injectable antipsychotics: A practical guide. *Current Psychiatry*, 19(3), 24-32.

- Reinert, J., & Dunn, R. L. (2019). Management of overdoses of loperamide, gabapentin, and modafinil: A literature review. *Expert Rev Clin Pharmacology*. *Expert Rev Clin Pharmacology*, 12(9), 901–908. <https://doi.org/10.1080/17512433.2019.1657830>
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POSTER PRESENTATIONS

- Bratteli (previously Sharpton), R. A., Wallace-Gay, T. D., & Lewis, M. (2019, December). Retrospective evaluation of warfarin management in the family practice setting. ASHP Midyear. American Society of Health-Systems Pharmacists.
- Fenn, N. (2019, December). Evaluating the use of heparin derivatives in overweight and obese pediatric patients. ASHP 54th Annual Midyear. American Society of Health-System Pharmacists.
- Fenn, N. (2019, December). Remediation and reassessment methods in pharmacy education: a review. The ASHP 54th Midyear. American Society of Health-System Pharmacists.

PRESENTATIONS

- Fenn, N. (2019, September). How to incorporate students into research. PPAG Fall Conference. Pediatric Pharmacy Advocacy Group.
- Jhawar, A., Parmentier, B., & Grady, S. E. (2019, October). Live PSAP: Optimizing treatment with antidepressants and antipsychotics. American College of Clinical Pharmacy (ACCP) Annual Meeting.



Pharmaceutical Sciences

CHAPTERS

Glavy, J. S. (2020). The nuclear pore complex. In the liver: Biology and pathobiology. (pp. 94-107). John Wiley & Sons Press.

JOURNAL PUBLICATIONS

Deba, F., Peterson, S., & Hamouda, A. (2019). An animal model to test reversal of cognitive decline associated with beta amyloid pathologies. *Methods Mol Biol* 2011, 393-412. https://doi.org/10.1007/978-1-4939-9554-7_23

Deba, F., Ramos, K., Vannoy, M., Munoz, K., Akinola, L., Damaj, M., & Hamouda, A. (2020). Examining the effects of $(\alpha 4)\beta 2$ Nicotinic Acetylcholine Receptor-Selective positive allosteric modulator on acute thermal nociception in rats. *Molecules*, 25(12), E2923. <https://doi.org/10.3390/molecules25122923>

Dimas, R., Jordan, B., Jiang, X., Martini, C., Glavy, J., Patterson, D., . . . Chan, C. (2019). Engineering DNA recognition and allosteric response properties of TetR family proteins by using a module-swapping strategy. *Nucleic Acids Research*, 47(16), 8913–8925. <https://doi.org/10.1093/nar/gkz666>

Shioda, N., Imai, Y., Yabuki, Y., Sugimoto, W., Yamaguchi, K., Wang, Y., . . . Fukunaga, K. (2019). Dopamine D2L receptor deficiency causes stress vulnerability through 5-HT1A receptor dysfunction in serotonergic neurons. *Journal of Neuroscience*, 39(38), 7551–7563. <https://doi.org/10.1523/JNEUROSCI.0079-19.2019>

Wilkerson, J., Deba, F., Crowley, M., Hamouda, A., & McMahon, L. (2020). Advances in the In vitro and In vivo pharmacology of Alpha4beta2 nicotinic receptor positive allosteric modulators. *Neuropharmacology*, 168,1-9. <https://doi.org/10.1016/j.neuropharm.2020.108008>

POSTER PRESENTATIONS

Hamouda, A. K., & Bill, B. R. (2020, March). Development of zebrafish model for smoking cessation drug screening. Society for Research on Nicotine and Tobacco Annual Meeting. Society for Research on Nicotine and Tobacco.

Solorza, A., Perez-Garcia, N., Manalac, A. J., Rivero, M. A., Hamouda, A. K., & Bill, B. R. (2019, November). Zebrafish as a model for nicotine cessation. Texas Zebrafish Meeting. The Texas Zebrafish Community.

Vinaik, K., Pokharel, S., El-Kishky, H., Hamouda, A. K., & Barakat, N. (2019, November). Design and build of an automated perfusion system for in-vitro cell testing. Capital of Texas Undergraduate Research Conference CTURC.

GRANTS

Coyne, L. (PI), McGinnis, M. (Co-PI), Brown, L. (Co-PI), Kypuros, J. (Co-PI). Enriching Teamwork through an Interdisciplinary Project to Design Virtual Reality (VR) Learning Activities, The University of Texas at Tyler (September 1, 2019), USD \$19,042.

Wang, Y. Controlling bactericemic pneumococcal pneumonia with synthetic dominant-negative competence peptides, National Institutes of Health Through the University of Illinois Urbana-Champaign (April 1, 2020), USD \$39,217.



Soules College of Business

As the interim dean it is my privilege to introduce the Soules College of Business and highlight the continuous commitment students, faculty, and staff make in completing high-quality research and scholarly activities. Although the 2019-2020 academic year was interrupted abruptly because of the COVID-19 pandemic, it did not deter the Soules College of Business's commitment to scholarly and educational excellence. Remarkably, several faculty successfully conducted research and published findings on how the pandemic influenced educators and healthcare providers alike. In addition, the Hibbs Institute for Business and Economic Research continued to be a reliable source for updates and information on how these challenges and changing times affected the East Texas community.

During the recent academic year, the faculty within the Soules College of Business completed journal publications, presentations (although many of them virtually), academic proceedings, doctoral dissertations, book chapters, manuscript reviews, etc. Faculty members also continue to serve in a number of leadership and editorship positions in their professional and academic field of study due to their reputation for scholarly and educational excellence. Furthermore, several faculty members were successful in securing grant funding for important initiatives that will serve the East Texas community well into the future.

The Soules College of Business's commitment to scholarly and educational excellence has not gone unnoticed. It has helped propel its online MBA program to be recognized as a Top-100 program according to the most recent U.S. News and World report ranking. Several programs in the Soules College of Business also continue to hold two prestigious international accreditations for educational quality and scholastic achievement from the Association to Advance Collegiate Schools of Business (AACSB) and the Association of Technology, Management, and Applied Engineering (ATMAE).

I would like to congratulate my colleagues and all members of the Soules College of Business family for their resilience and steadfastness this year, which has resulted in another year of remarkable scholarly and research success!

Dr. Krist Swimberghe
Interim Dean, Soules College of Business

Computer Science

CHAPTERS

Subramanian, N., & Zalewski, J. (2019). Safety and security integrated SIL evaluation using the NFR approach. In *Integrating Research and Practice in Software Engineering* (pp. 53–68). Springer.

JOURNAL PUBLICATIONS

- Aljawarneh, S., Bayat, O., Lara, J., & Schumaker, R. P. (2020). Machine learning designs, implementations and techniques. *IEEE Access*, 8(1), 120548–120552. <https://doi.org/10.1109/ACCESS.2020.3005820>
- Burns, A. J., Roberts, T. L., & Posey, C. (2019). Insiders' adaptations to security-based demands in the workplace: An examination of security behavioral complexity. *Information Systems Frontiers*. <https://doi.org/10.1007/s10796-019-09951-9>
- Guo, J., Li, Y., & Wu, W. (2020). Targeted protection maximization in social networks. *IEEE Transactions on Network Science and Engineering*, 7(3), 1645–1655. <https://doi.org/10.1109/TNSE.2019.2944108>
- Lara, J., de Sojo, A., Aljawarneh, S., Schumaker, R. P., & Al-Shargabi, B. (2020). Developing big data projects in open university engineering courses: Lessons learned. *IEEE Access*, 8(1), 22988–23001. <https://doi.org/10.1109/ACCESS.2020.2968969>
- Veronin, M. A., Schumaker, R. P., Dixit, R. R., & Elath, H. (2019). Opioids and frequency counts in the us food and drug administration adverse event reporting system (FAERS) Database. *Drug, Healthcare and Patient Safety*, 2019(11), 65–70. <https://doi.org/10.2147/DHPS.S214771>
- Veronin, M. A., Schumaker, R. P., Dixit, R. R., Dhake, P., Mason, D., & Ogwo, M. (2020). A systematic approach to cleaning of drug name records data in the faers database: A case report. *International Journal of Big Data Management* 1(2) 105-118. <https://doi.org/10.1504/IJBDM.2020.112404>
- Zhang, Y., Yang, W., Wu, W., & Li, Y. (2020). Effector detection problem in social networks. *IEEE Transactions on Computational Social Systems* 7(5) 1200-1209. <https://doi.org/10.1109/TCSS.2020.3013734>

PRESENTATIONS

Veronin, M. A., & Schumaker, R. P. (2019, September). Opioid adjunct drug therapy: Evaluating effectiveness using text analytics of real-world data. In *International Information Management Association (IIMA-2019)*.

PROCEEDINGS PUBLICATIONS

- de Almeida Rocha, R., Gopalakrishna Remani, V., Fischer, M., Lamichhane, R., & Schumaker, R. P. (2020, March). Impact of the length of stay on readmission percentage and determination of cohort of patients and influence of length of stay on readmission rates to decide resource allocation and reduce financial impact for a Texas not for profit healthcare system. *SWDSI-2020*.
- Rainwater, S. B., Huang, Y. Y., Hou, B. B., Liu, W., Wu, L., L., & Gao, S. (2019, Autumn). On approximation algorithm for the edge metric dimension problem. *13th International Conference on Algorithmic Aspects in Information and Management (AAIM)*.
- Shamburger, D., Gopalakrishna-Remani, V., Fischer, M., & Schumaker, R. P. (2020, March). Impact of the length of stay, cohort of patients and age on wheelchair as dispatch mode for a Texas not-for-profit healthcare system. *SWDSI-2020*.

Accounting, Finance and Business Law

JOURNAL PUBLICATIONS

- Fessler, N. J. (2019). A tale of missing parts. *IMA Educational Case Journal*, 12(3), 2.
- Fischer, M. (2019). Governmental financial statement note disclosures and analysis of Texas public two-year colleges' reporting. *Journal of Accounting and Finance*, 19(6), 47-60. <https://doi.org/10.33423/jaf.v19i6.2315>
- Fischer, M., & Lindenmoyer, J. (2020). Dodd Frank Act: Reporting CEO compensation relationship to worker ratio and firm performance. *American Journal of Management*, 20(1), 31-45. <https://doi.org/10.33423/ajm.v20i1.2751>
- Gordon, G. (2019). Internal audit and higher education: Survey of ACUA members reveals interesting relationships. *ACUA Ledger*, June.
- Gordon, G. (2019). Linking costs to outcomes in higher education to highlight a path to greater efficiency and effectiveness. *Cost Management*, 33(5), 12–21.
- 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. <https://dx.doi.org/10.18374/IJBR-20-3.6>
- Lindenmoyer, J., & Fischer, M. (2019). Blockchain: Application and utilization in higher education. *Journal of Higher Education Theory and Practice*, 19(6), 71–80. <https://doi.org/10.33423/jhetp.v19i6.2306>

Sanney, K., Trautman, L. J., Yordy, E., Cowart, T. W., & Sewell, D. (2020). The importance of truth telling and trust. *Journal of Legal Studies Education*, 37(1), 7–36. <https://doi.org/10.2139/ssrn.3430854>

PRESENTATIONS

- Benson, B., James, H. L., & Huang, S. (2019, October). The effects of geographic location on the relation between CEO equity incentives and earnings management. Financial Management Annual Meeting.
- Benson, B., James, H. L., & Park, C. (2019, October). So far away from me: firm location and managerial ownership effect on firm value. Southern Finance Annual Meeting.
- Burns, C., Coetzee, S., Fischer, M., Latham, C., Matuszeski, L., & Sage, J. (2019, November). Is there a doctor in the House? In Teaching Learning and Curriculum Section Midyear Colloquium. American Accounting Association.
- Cowart, T. W. (2020, August). It's a "Trust Me" story-the use of public/private partnership in contact tracing and implications for HIPAA compliance. Academy of Legal Studies in Business Annual Conference. Academy of Legal Studies in Business.
- Fischer, M. (2019, October). FASB update. TXCPA Accounting Education Conference. TXCPA.
- Fischer, M., Holmes, A., & Conn, C. (2019, October). Student contribution to faculty research - panel. TXCPA Accounting Educator Conference. TXCPA.
- Fischer, M. (2020, March). Editor Panel. SWDSI Annual Meeting. Southwestern Decision Science Institute.
- Fischer, M. (2020, March). Higher education budgeting and accounting: First cousins' relationship and reliance. SWAAA. American Accounting Association.
- Fischer, M., Holmes, A., Vega, J., & Conn, C. (2020, March). The winding road: Migration of academic research from idea to publication. SWAAA. American Accounting Association.
- Fischer, M., & Lindemoyer, J. (2020, March). CEO compensation: Relationship to worker ratio and firm performance. SWAAA. American Accounting Association.
- Holmes, A., & Fischer, M. (2020, March). Tax abatement: Analysis of state and municipal disclosure. GNP Mid-year Meeting. AAA GNP Section.
- Prachel, C., & Fischer, M. (2020, March). Evaluating municipality financial data. SWDSI. Decision Science Institute

PROCEEDINGS PUBLICATIONS

de Almeida Rocha, R., Gopalakrishna Remani, V., Fischer, M., Lamichhane, R., & Schumaker, R. P. (2020, March). Impact of the length of stay on readmission percentage and determination of cohort of patients and influence of length of stay on readmission rates to decide resource allocation and reduce financial impact for a Texas not for profit healthcare system. SWDSI-2020.

Shamburger, D., Gopalakrishna-Remani, V., Fischer, M., & Schumaker, R. P. (2020, March). Impact of the length of stay, cohort of patients and age on wheelchair as dispatch mode for a Texas not-for-profit healthcare system. SWDSI-2020.



Human Resource Development

BOOKS

Delello, J. A., & McWhorter, R. R. (Eds.). (2020). *Disruptive and emerging technology trends across education and the workplace*. IGI Global.

CHAPTERS

- Delello, J. A., Consalvo, A., McWhorter, R. R., & Doepker, G. M. (2020). Sponsoring older adults' improvement of metaliteracy (pp.128-142). In *Literacy across the community: A comprehensive collection of research and praxis*. Routledge Publishing.
- Delello, J. A., Kiekel, J., Poyo, S.R., Williams, M.K., Kerby, D. (2020). Educator perceptions of digital devices: Multitasking and distractions in the classroom. In *Disruptive and emerging technology trends across education and the workplace* (pp. 193-220). IGI.
- Ellinger, A. D., & McWhorter, R. R. (2020). Case study research. In *Doing coaching research* (pp. 128–147). Sage Publishers, Ltd.
- McWhorter, R. R., Delello, J. A., Gipson, C., Caruso, K. C., & Mastel-Smith, B. (2019). Exploring loneliness and social connectedness in older adults. In *Disruptive and emerging technology trends across education and the workplace* (pp. 221–242). IGI.
- McWhorter, R. R., & Bennett, E. E. (2020). Creepy technologies and the privacy issues of invasive technologies. In *Disruptive and emerging technology trends across education and the workplace* pp. 243–268). IGI Global.
- McWhorter, R. R., Rueter, J., Neel, J. L., Owens, M., & Doepker, G. M. (2020). Examining the adult learning of "giving back" initiatives. In *Handbook of research on adult learning in higher education*. (pp. 473-500). IGI Global.
- Nimon, K. (2020). Designing and conducting a quantitative study: Lessons learned from work, home, and school. In *How to keep your doctorate on track: Insights from students' and supervisors' experiences*. (pp. 97–106). United Kingdom: Edward Elgar.
- Zigarmi, D., Nimon, K., Roberts, T. P., & Shuck, B. (2019). A model for the formation of employee work passion: Initial findings and future directions. In *Passion for work: Determinants and consequences* (pp. 105–138). Oxford University Press.

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. <https://doi.org/10.3389/fpsyg.2020.01321>

- Chretien, J., Nimon, K., & Reio, T. G., Jr. (2020). Responding to low coefficient alpha: Potential 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.
- Nimon, K., Conley, D., Bontrager, M., Keiffer, G., & Brown, B. (2019). Descriptive statistics from published research: A readily available alternative to raw data to assess analytic reproducibility and robustness. *Advances in Developing Human Resources*, 21(4), 421–437. <https://doi.org/10.1177/1523422319869853>
- Nimon, K., & Shuck, B. (2020). Work engagement and burnout: Testing the theoretical continuums of identification and energy. *Human Resource Development Quarterly* 31(3), 301-318. <https://doi.org/10.1002/hrdq.21379>
- Rueter, J. A., McWhorter, R. R., & Delello, J. A. (2019). Decision-making practices during the instrument selection process: The choices we make. *Assessment for Effective Intervention*, 44(4), 281–291. <https://doi.org/10.1177/1534508418758370>
- Turner, J., Brown, Q., Passmore, D. L., Nimon, K., Baker, R., Jeong, S., & Flatt, C. (2019). Meta-Science: Guidelines for the practitioner. *Advances in Developing Human Resources*, 21(4), 403-408. <https://doi.org/10.1177/1523422319870788>
- William, G., Delello, J. A., & McWhorter, R. R. (2019). Gendered experiences of mobile gaming and augmented reality: Engagement with Pokémon go among university students. *International Journal of Virtual and Augmented Reality (IJVAR)*, 3(2), 54–67. <https://doi.org/10.4018/IJVAR.2019070105>
- Yu, M., Wang, G. G., Zheng, X., & Shi, W. (2020). Entrepreneur narcissism and unethical pro-organizational behavior: An examination of mediated-moderation model. *Economic Research-Ekonomska Istrazivanja*, 33(1), 501–520. <https://doi.org/10.1080/1331677X.2020.1718525>

POSTER PRESENTATIONS

Nimon, K., Shuck, B., Fumore, J., & Zigarmi, D. (2020, February). Examining the role of affect within the nomological network of the A-factor of job attitudes and work engagement: A replication and extension using commonality analysis. *Academy of Human Resource Development 2020 International Research Conference in the Americas*. Academy of Human Resource Development.

PRESENTATIONS

- Dray, K. K., Sabat, I. E., Keith, M. G., DeSimone, J. A., Nimon, K., & Bailey, J. (2020, June). How should I/O psychologists collect data via MTurk? Society of Industrial Organizational Psychologists. Society of Industrial Organizational Psychologists.
- Keiffer, G., Brown, B., Nimon, K., & Kramer, T. (2020, February). Propensity score analysis in HRD quantitative research. Academy of Human Resource Development 2020 International Research Conference. Academy of Human Resource Development.
- McBurnett, D., Ellinger, A. D., McWhorter, R. R., & Vince, R. (2020, June). A meta-ethnographic analysis of planned organizational change: Qualitative case study literature from 2000-2016. UFHRD 2020 Conference.
- McClurg, N., Ellinger, A. D., & McWhorter, R. R. (2020, Summer). workplace spirituality in the context of work teams. UFHRD 2020 Conference.
- Nimon, K. (2020, June). canCORRgam: Canonical correlation as a general analytic model. University of Dallas DBA Colloquium. University of Dallas.
- Skidmore, S. T., Zientek, L. R., Nimon, K., & Lane, F. (2020, April). Profiles of undergraduate completers: Deconstructing the heterogeneity. AERA Annual Meeting San Francisco, CA. AERA.
- Zientek, L. R., Nimon, K., & Fulmore, J. (2020, February). The multivariate general linear model hierarchy: A comprehensive illustration – Take 2. Annual meeting of the Southwest Educational Research Association. Southwest Educational Research Association.

PROCEEDINGS PUBLICATIONS

- Wang, G. G., & Yang, S. (2020, February). Falsifying the idea of NHRD: Evidence from China's HRD national policy. The AHRD International Research Conference in Asia.
- Yu, M., & Wang, G. G. (2019, Autumn). Role Conflict and employee performance: Moderating effect of trust with S-shaped relationship. Academy of Management 2019 Annual Meeting.

GRANTS

- Nimon, K. Secure and Privacy Preserving Adaptive Artificial Intelligence Curriculum, Development for Cyber Security, National Science Foundation with The University of Texas at Dallas (August 1, 2020), USD \$29,719.

Management and Marketing

CHAPTERS

- Ho, V. T., & Astakhova, M. (2019). The bright, dark, and unlit sides of work passion: Predicting performance and work attitudes. (pp. 327-357). In *Passion for work*. Oxford University Press.

JOURNAL PUBLICATIONS

- Byun, K.-A., Duhan, D. F., & Dass, M. (2020). The preservation of loyalty halo effects: An investigation of the post-product-recall behavior of loyal customers. *Journal of Business Research*, 116, 163–175. <https://doi.org/10.1016/j.jbusres.2020.05.010>
- Cater, J., James, K., Kidwell, R., Camp, K. M., & Young, M. (2019). HRM practices and effectiveness: a comparison of U.S. Hispanic and non-Hispanic family firms. *Journal of Small Business and Enterprise Development (JSBED)*, 26(5), 726-746. <https://doi.org/10.1108/JSBED-12-2018-0364>
- Cater, J., & Young, M. (2020). An examination of the leadership roles of senior generation women in family firms: How does servant leadership apply? *Journal of Leadership, Accountability and Ethics (JLAE)*, 17(2), 25–37. <https://doi.org/10.33423/jlae.v17i2.2867>
- Cater, J., & Young, M. (2020). U. S. veterans as emerging entrepreneurs: Self-efficacy, intentions, and challenges. *Journal of Developmental Entrepreneurship*, 25(2), 1-21. <https://doi.org/10.1142/S1084946720500120>
- Doty, D. H., Wooldridge, B. R., Astakhova, M., Fagan, M. H., Marinina, M., & Caldas, M. P. (2020). Passion as an excuse to procrastinate: A cross-cultural examination of the relationships between obsessive Internet passion and procrastination. *Computers in Human Behavior*, 102, 103–111. <https://doi.org/10.1016/j.chb.2019.08.014>
- Wang, Z., Zhou, B., & Pei, Z. (2020). A probabilistic dynamic programming model for determining optimum inventories. *The Journal of Management and Engineering Integration* 13(1), 86-95.

GRANTS

- Camp, K. The Road to Economic Recovery: COVID-19 Emergency Response in East Texas, U.S. Department of Commerce, Economic Development Administration (June 1, 2020), USD \$300,000.
- Cater, J. (PI), Young, M. (Co-PI). Veterans as Emerging Entrepreneurs: Success Factors, Meeting Challenges, and Barriers, The University of Texas at Tyler (September 1, 2019), USD \$1,686.
- Young, M. Using Jobs EQ for Labor Market Analysis: Hidden Unemployment, Job Availability, and Underutilization of Labor, The University of Texas at Tyler (September 1, 2019), USD \$1,686.



