A Celebration of Scholarship and Creativity

ANNUAL REPORT OF FACULTY SCHOLARSHIP

September 2020 - August 2021
From the President

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

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

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

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

Kirk A. Calhoun, MD, FACP
President

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

Becky McKay
Executive Director of Robert R. Muntz Library

This annual review is compiled to promote scholarship and document a record of the published and creative works of The University of Texas at Tyler faculty for academic year 2020-21. Information was compiled from Faculty180©, the University’s platform for faculty activity reporting and the UT Health Science Center at Tyler.
The College of Arts and Sciences takes pride in the scholarship of our excellent faculty. Even with the pandemic, this has been a productive year for them. The arts and sciences represent the intellectual heart and soul of any society. As such, the diversity of the contributions our faculty make to understanding and improving the world around us is important and inspiring. Our faculty and students work on projects ranging from new ways to save endangered species, to building virus-like particles for the treatment of cancer, to analyzing important works of literature, to understanding culture and the societies that develop them, to creating beautiful and meaningful works of art and musical performance, and more.

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

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

The scholars in our college produce meaningful works of art that make important commentaries or tell stories of beauty, like the paintings of Professor Alexis Serio. Her recent solo exhibition “Time and Memory” at the prestigious Menil Collection in Houston, Texas, featured a dozen new paintings from her studio. The show was favorably reviewed and sold out.

The list of our faculty scholarly contributions is substantial. These examples show that they contribute across important areas of knowledge and creativity.

The College of Arts and Sciences is at the crossroads of society, culture, and higher education. The faculty 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 College of Arts and Sciences is at the crossroads of society, culture, and higher education. The faculty in the College of Arts and Sciences are extraordinary scholars, teachers, and mentors. Their student focus is evident in everything they do, including scholarly and creative work. The ability of extraordinary scholars, teachers, and mentors. Their student focus is evident in everything they do, including scholarly and creative work. The faculty make to understanding and improving the world around us is important and inspiring. Our faculty and students work on projects ranging from new ways to save endangered species, to building virus-like particles for the treatment of cancer, to analyzing important works of literature, to understanding culture and the societies that develop them, to creating beautiful and meaningful works of art and musical performance, and more.

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JOURNAL PUBLICATIONS


POSTER PRESENTATIONS


PRESENTATIONS

Banta, J. A. (2020, June). Integrative ecological genetics reveals a threat posed by genetic swamping to an East Texas endemic wildflower (Hibiscus dasyclayx, Malvaceae). In Invited seminar at Bowie State University. Department of Natural Sciences, Bowie State University.


Banta, J. Human Ancestral Algorithm For ADNTRO Genetics SL, ADNTRO (July 1, 2021), USD $4,095.

Powell, C. Forest Pest Survey, USDA (June 15, 2021), USD $22,328.

Williams, L. Ecolab: Studies of Texas Salamanders and Snake Fungal Disease, Ecolab (January 1, 2021), USD $12,806.

GRANTS

Azghani, A. Delivery of PAI-1-targeted intrapleural fibrinolytic therapy for empyema, National Institutes of Health (April 1, 2021), USD $160,571.

Banta, J. Human Ancestral Algorithm For ADNTRO Genetics SL, ADNTRO (July 1, 2021), USD $4,095.

Chemistry and Biochemistry

JOURNAL PUBLICATIONS


POSTER PRESENTATIONS


COMMUNICATION

CHAPERS


JOURNAL PUBLICATIONS


PRESENTATIONS


Literature and Languages

BOOKS


JOURNAL PUBLICATIONS


Ross, C. E. (2021, July 7-9). *Dialogues I: Assessing the Culture of Teaching and Learning.* In University of Texas System Academy of Distinguished Teachers Virtual Conference on Teaching in Texas. The University of Texas System.


Shelton, S. (2021, April). *“We are all writing teachers: Returning to the Common Place” in Conference on College Composition and Communication.* College Composition and Communication.


Strong, D. Open Educational Resources (OER) Course Development and Implementation Grant Program: ENGL 2322.01, English Literature to the 1780’s, Texas Higher Education Coordinating Board (March 1, 2021), USD $5,000.

C.R.E.A.M. PROSPECTS


Mathematics

JOURNAL PUBLICATIONS


PRESENTATIONS


CREATIVE PERFORMANCES


Gullings, K. (2021, March). Performance of Kyle Gullings’ original composition “the flow of how things will go” by Dr. Sarah Roberts (alto saxophone) and interactive electronics. North American Saxophone Alliance Region IV Conference (Virtual).


OTHER


PRESENTATIONS


Music

CHAPTERS


JOURNAL PUBLICATIONS


OTHER


OTHER TEACHING MATERIALS


POSTER PRESENTATIONS

Owens, M. CEL Grant: Committees as a Venue for Grants


REVIEWS


GRANTS

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

JOURNAL PUBLICATIONS


OTHER


PRESENTATIONS


Gautier, L. (2021, March). My experience as a researcher: Thoughts from an economist in academia. In Fulbright Wednesday Workshops, Fulbright and University of Málaga.


REVIEWS


Psychology and Counseling

JOURNAL PUBLICATIONS


Psychology and Counseling (Continued)


Psychology and Counseling
(Continued)


PRESENTATIONS
**Schools of Education**

**BOOKS**


**JOURNAL PUBLICATIONS**


Consalvo, A., Covina, K., & Chase, N. (2021). Decentering the book(room) and (re)centering students’ interest in contemporary issues: Theories, questions, and relevance. Teaching/Writing, 10(1), Article 6. https://scholarworks.wmich.edu/te/writing/vol10/iss1/6


School of Education (Continued)

Assessment for Effective Intervention. https://doi.org/10.17157/1534084202094522

OTHER

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

POSTER PRESENTATIONS


PRESENTATIONS


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


International Society for Technology in Education.


Song, K., Bradley, B., Consalvo, A., Stefanski, A., Hitchens, C. W. & David, A. D. (2020, November). “Are we there yet?” The Bumpy Road for Perspectival Understanding in Community-Based Literacy Research and Literacy Teacher Education. In 70th Literacy Research Association Annual Conference (Virtual). LRA.


Consalvo, A. Dollar General Youth Literacy, Dollar General Foundation (September 10, 2020), USD $4,000.

Dykes, F. Panola College Teacher Pipeline Plan, TLL Temple Foundation (November 31, 2020), USD $100,000.

Oliveras-Ortiz, Y. (PI), Hickey, W. (Co-PI). Addressing the Gaps in Teacher Preparation to Strengthen Primary Education in Marginalized Communities in Belize, Bureau of Western Hemisphere Affairs (U.S. Department of State) (September 1, 2020), USD $200,000.

Simmons, J. TEA Lone Star STEM Grant Year 2, Texas Education Agency (September 1, 2020), USD $3,571.

Simmons, J. TEA Math Innovation Zones Sustainability Grant, Texas Education Agency (May 26, 2021), USD $120,487.00.

Simmons, J. TEA ESSER II, Texas Education Agency (July 26, 2021), USD $267,677.

Simmons, J. TEA ESSER III, Texas Education Agency (July 26, 2021), USD $400,776.


Swain, C. Dana Center Transfer Student Project, UT Austin (Dana Center) (July 8, 2021), USD $4,000.
Our newest program, Chemical Engineering, is hitting its stride, with Dr. Resende contributing in the area of energy efficiency, and wind turbine sustainability studies. Dr. Khanal has been awarded a grant from the American Chemical Society to provide research opportunities for students. This year has been an outstanding one for Dr. Souliman’s (Civil Engineering) research expansion. He was able to publish 10 peer reviewed journal papers as well as 11 conference proceedings and two poster presentations. Most of these publications were coauthored with UT Tyler graduate or undergraduate students.

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

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

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

Dr. Javier Kypuros
Dean, College of Engineering

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, 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. Soulman’s (Civil Engineering) research expansion. He was able to publish 10 peer reviewed journal papers as well as 11 conference proceedings and two poster presentations. Most of these publications were coauthored with UT Tyler graduate or undergraduate students.

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

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

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Dr. Javier Kypuros
Dean, College of Engineering

Chemical Engineering

GRANTS

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

Civil Engineering

JOURNAL PUBLICATIONS


POSTER PRESENTATIONS


PRESENTATIONS


PROCEEDINGS PUBLICATIONS


PRESENTATIONS

Tabassum, S. (2020, Autumn). Outcomes of a course design workshop series implemented in a team-based and diverse classroom setting. In CIRTL Design workshop series implemented in a team-based and diverse classroom setting. In CIRTL Design workshop series.

PROCEEDINGS PUBLICATIONS


GRANTS

Tabassum, S. Infusing Entrepreneurship into the UT Tyler Engineering Curriculum and Building a Sustainable East Texas Entrepreneurship Innovation Hub, VentureWell (February 1, 2021), USD $29,500.
Mechanical Engineering

JOURNAL PUBLICATIONS


OTHER


PATENTS


PRESENTATIONS


Barakat, N. (2021, April). Invited Seminar: Engineering Ethics. In CSI University, Malaysia. CSI University, Malaysia.

Barakat, N. (2021, June 2). Invited Seminar: Sustainability and Green Design. In Hong Kong University of Science and Technology (HKUST). Hong Kong University of Science and Technology (HKUST). https://calendar.hkust.edu.hk/events/sustainability-green-design/organizer_landing=14424


PROCEEDINGS PUBLICATIONS


College of Nursing & Health Sciences

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

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

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

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

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

Dr. Barbara Haas
Dean, School of Nursing

Health and Kinesiology

CHAPTERS


JOURNAL PUBLICATIONS


OTHER


PRESENTATIONS


Njororai Simiyu, W. W. (2021, January 19). Key principles on how the best University Lecturers conduct their classes. In Keynote presentation to the 50th
GRANTS

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


JOURNAL PUBLICATIONS


OTHER


POSTER PRESENTATIONS


Preston, A. (2021, March). The response readiness tool: An instrument to measure knowledge, skills, and attitudes after taking a Stop the Bleed class. In 2020 QSEN International Forum. QSEN - Quality and Safety in Nursing Education.


School of Nursing (Continued)
PROCEEDINGS PUBLICATIONS


GRANTS

Deal, B. Bring Back the Monarchs to Texas: Braithwaite School of Nursing Garden Project, Native Plant Society of Texas (March 1, 2021), USD $400.

Howard, S. Longview University Center Monarch Butterfly Garden Project, Native Plant Society of Texas (March 1, 2021), USD $400.

Marzilli, C. Supporting Clinical Learning Experiences to Mitigate Impediments due to COVID-19, Texas Higher Education Coordinating Board (November 2, 2020), USD $200,000.

School of Medical Biological Sciences

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

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

We are also involved in training the next generation of scientists through our highly successful Master of Science in Biotechnology graduate program. The biotechnology program consists of research and teaching faculty with MD and/or PhD degrees, performing nationally-recognized and extramurally funded biomedical research in competitive and relevant fields. All faculty use a variety of biotechnology techniques in their lab 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. Terry Tucker
Associate Dean for Research, School of Medicine

Department of Cellular and Molecular Biology

ABSTRACTS


JOURNAL PUBLICATIONS


respiratory cell and molecular biology, 64(4), 477-491. https://doi.org/10.1655/2020-03280
POSTER PRESENTATIONS
GRANTS
Das, K. Private Non-Profit (October 8, 2020), USD $52,000.00.
Idell, S. National Institutes of Health (July 24, 2019), USD $123,816.00.
Komissarov, A. National Institutes of Health (April 1, 2021), USD $492,378.00.
Lu, M. Private Non-Profit (June 1, 2021), USD $80,000.00.
Shetty, S. National Institutes of Health (February 1, 2021), USD $234,262.00.
Reduced thoracic hygiene production in young household contacts of tuberculosis patients increases active tuberculosis disease risk. JCI insight, 6(13), e148271.


PITTSBURGH — Mycobacterium tuberculosis (Mtb) is a major cause of death and disability worldwide, affecting millions of people each year. The disease is typically treated with a combination of antibiotics, including rifampicin, isoniazid, ethambutol, and pyrazinamide. However, drug-resistant strains of Mtb are becoming increasingly common, and new treatment options are urgently needed.

In their study, the team from the University of Pittsburg investigated the potential of a new class of antibiotics, known as glycocyclines, which have shown promise in killing drug-resistant Mtb in preclinical studies.

The researchers used a mouse model of Mtb infection to test the effectiveness of the new antibiotics. They administered the glycocyclines in combination with standard antibiotics and compared the results to those obtained with standard therapy alone.

The results showed that the combination of glycocyclines with standard antibiotics was more effective than standard therapy alone, with a significant reduction in the number of Mtb bacteria in the lungs of infected mice.

The team also found that the glycocyclines were able to inhibit the replication of Mtb in macrophages, a key step in the development of the infection. This suggests that the new antibiotics could be used in combination with standard therapy to improve treatment outcomes for Mtb patients.

The findings of this study provide a promising avenue for the development of new antibiotics against drug-resistant Mtb. Further research is needed to confirm these results in human clinical trials and to evaluate the long-term safety and efficacy of glycocyclines in combination therapy.

The study was supported by the National Institute of Allergy and Infectious Diseases (NIAID) of the National Institutes of Health (NIH). Lead author Dr. Tomislav Grguric is an NIAID postdoctoral fellow.
Department of Pulmonary Immunology (Continued)


Tripathi, D. Alcohol Induces Dysbiosis & Type I Interferon-α Production in Mice Infected with Mycobacterium Tuberculosis. 11 February 2021. RePORT India Annual Meeting.


GRANTS

Kant, S. National Institutes of Health, (September 1, 2020), USD $224,742.00.

Yi, G. National Institutes of Health (August 20, 2019), USD $687,900.00.
School of Community & Rural Health

The School of Community and Rural Health (SCRH) at the UT Tyler Health Science Center was formed in September 2016 to address needs of the rural community by educating new professionals in the areas of public health, rural health, and the occupational health of the agricultural workforce. The strategic goals of the SCRH include (1) advance the quality of population health outcomes, (2) educate the future community and rural health workforce, (3) build a network of collaborators, and (4) enhance the teaching and research infrastructure.

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

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

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

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

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

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

The SCRH met its student enrollment targets for 2020 and 2021. With over $15.5 million in total external funding, the SCRH continues its work to improve health outcomes in the areas of colon cancer screening, hypertension, smoking cessation, and diabetes. New research initiatives around the COVID-19 pandemic and its various accomplishments achieved through its partnerships with NIOSH including the TPG and the Southwest Center for Agricultural Health, Injury Prevention and Education (SW Ag Center).


School of Community and Rural Health

BOOK CHAPTERS


CREATIVE PRODUCTIONS


JOURNAL PUBLICATIONS


School of Community and Rural Health

(Continued)

OTHER

Levin, J.L. (2020, September). Press conferences and presentations to elected officials during COVID Pandemic. Local Health Authority presentations as participant in the City of Tyler Smith County Emergency Operations Center and Executive Committee.


POSTER PRESENTATIONS


Lienick, C., Weaver, E., Marzon, T., Herzig (2021). Texas State University Transitional Health Research Center: 5th Annual Texas State University Health Scholar Showcase.


Presentations


Lienick, C., Weaver, E., Marzon, T., Herzig (2021). Texas State University Transitional Health Research Center: 5th Annual Texas State University Health Scholar Showcase.


Fishing: The Southwest Center for Agricultural Health, Injury Prevention, and Education. SCR Connections, National Network of Libraries of Medicine, South Central Region.


Crum, M. (2020, September). SARS CoV-2 Testing, NET Health Board Meeting Presentation, Tyler TX.


Annual National Asthma & Allergy ConferenceElliott, K. Espino, Jessica, Powell, MP., Landry, A., Mastering Pandemic Pedagogy, Association if University Programs in Health Administration (AUPHA) Annual Meeting, June; 2021; Online.


Levin, J. (2021, May). “The University of Texas Health Science Center at Tyler (UTHSC) Breath of Life Mobile Asthma Program”. Presented at Pediatric Grand Rounds, Southwest Center for Pediatric Environmental Health, Texas Tech, El Paso, TX.


Moor, K. (2021, October). Risk Assessment and Industrial Hygiene. Didactic for PM Residents from Texas Department of State Health Services. Online.

Moor, K. (2021, October). Risk Assessment and Industrial Hygiene. Didactic for PM Residents from Texas Department of State Health Services. Online.

Moor, K. (2021, October). Risk Assessment and Industrial Hygiene. Didactic for PM Residents from Texas Department of State Health Services. Online.

Moor, K. (2021, October). Risk Assessment and Industrial Hygiene. Didactic for PM Residents from Texas Department of State Health Services. Online.
insecurities in East Texas – The potential role of Unconscious Bias. The East Texas Food Bank.
Nessim, D., Khademi, S., Ball, C., Moore, K. (2021, February). Participation of the UTHSCST Occupational and Environmental Medicine (OEM) residents in the pandemic response and educational experiences gained. Virtual presentation at the University of Texas Kenneth I. Shine, M.D., Academy of Health Science Education Innovations in Health Science Education Annual Conference.
Tiruneh, Y. (2020). Towards an integrated clinical and behavioral intervention to improve treatment outcomes in HIV patients with depression: A patient-centered approach, Translational Science Forum, The University of Texas Southwestern Medical Center, Dallas, TX.

GRANTS


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


School of Community and Rural Health (Continued)

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


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


Morrison, M. Economic Evaluation of DSIRF Medicaid 1115 Waiver Program. Texas Department of State Health Services. (September 2020 – August 2021). USD $13,000.

Nedtan, H., Singh, K., Alvarado, C., Escareno, J. Strengthening and expanding access to Opioid Use Disorder and other Substance Use Disorder services in Henderson County, Texas. GAIHR195612-01-00 HRSAs. (September 2020 – August 2023). USD $1,000,000.


Nessim, D. NIOSH Intergovernmental Personnel Act (IPA) Assignment Agreement. (July 2020 – June 2025). USD $1,239,934.


Rovellet, C.D., Ball, C. Pantex Former Worker Medical Surveillance Program. Department of Energy – DE-A0000048. (February 2021). USD $1,500,000.

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

Singh, K. Optimization of a Rabbit Retained Hemothorax Model for Evidence-Based Pharmacologic Interventions. Generating a new mode of retained hemothorax to address the lack of a model suitable for interventional testing of new pharmacotherapy for RH. 1 R33 HL15403-01, NIH/NHLBI. (July 2020 – June 2022). USD $1,500,000.


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

Vankalapati, R. National Institutes of Health (September 14, 2020). USD $716,640.00.
Clinical Sciences

CHAPERS


JOURNAL PUBLICATIONS


Advance online publication. https://doi.org/10.1177/0897190021038251


Fisch College of Pharmacy

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

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

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

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

Dr. Kathleen Snella
Interim Dean, Fisch College of Pharmacy

8538. Advance online publication. https://doi.org/10.5688/ape8538


**Clinical Sciences (Continued)**

**POSTER PRESENTATIONS**


Preston, A., & Vega, J. A. (2021, May). Rural community engagement project in healthcare education: a pilot. In The University of Texas at Austin Center for Health Interprofessional Practice and Education 3rd Annual Interprofessional Health Showcase. The University of Texas at Austin Center for Health Interprofessional Practice and Education.


**PRESENTATIONS**


**GRANTS**

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


Shoair, O. Prevalence and Healthcare Costs of Psychotropic Polypharmacy Among Dementia Patients, AACP (March 1, 2021), USD $8,750.

Shoair, O. Comparison of Students’ Performance Using Online vs. Face-to-Face Team-Based Learning, AACP (June 1, 2021), USD $3,732.

**Pharmaceutical Sciences**

**JOURNAL PUBLICATIONS**


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

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

Soules College of Business faculty also continue to successfully collaborate with colleagues outside of the Soules College of Business. Examples include Dr. Yi Li, assistant professor of computer science, who worked together with College of Engineering faculty in developing a smartphone application that helps monitor and manage pavement; Dr. Paul Roberts, professor of HRD, and Dr. Rochelle McWhorter, associate professor of HRD, collaborated with Dr. Julie Delello, professor in the College of Education and Psychology, and received a grant to examine how student involvement in gaming/e-sports influences student academic performance outcomes. The Soules College of Business’ commitment to scholarly and educational excellence has not gone unnoticed. It has helped consolidate the online MBA program as a Top 100 program according to the most recent U.S. News and World Report ranking. HRD PhD students continue the tradition of receiving national and international awards and recognitions for the quality of their dissertations. Credit goes to my colleagues for their continued pursuit of excellence. Congratulations!

Dr. Krist Swimberghe
Dean, Soules College of Business

Computer Science

CREATIVE PRODUCTIONS


JOURNAL PUBLICATIONS


POSTER PRESENTATIONS


PRESENTATIONS

Accounting, Finance and Business Law

CHAPTERS


JOURNAL PUBLICATIONS


PRESENTATIONS


Human Resource Development

CHAPTERS


JOURNAL PUBLICATIONS


Human Resource Development  

(Continued)


PROCEEDINGS PUBLICATIONS

McBurnett, D., Ellinger, A. D., McWhorter, R. R., & Vince, R. (accepted, 2020). A meta-ethnographic analysis of planned organizational change qualitative case study literature from 2000-2016. (Submitted to the UHRD 2020 Conference; however, due to COVID-19, the International Conference has been postponed until June 2021).

McClung, N. D., Ellinger, A. D., McWhorter, R. R., & Osmani-Gani, A. (accepted, 2020). Workplace spirituality in the context of work teams: A qualitative multi-case, multi-team study. (Submitted to the UHRD 2020 Conference; however, due to COVID-19, the International Conference has been postponed until June 2021).


POSTER PRESENTATIONS


PRESENTATIONS


Cho, Y. (2020, October). Invited talk on how to conduct a literature review. In A special talk at a thesis seminar course for doctoral students at University of Illinois at Urbana-Champaign. University of Illinois at Urbana-Champaign.


Management and Marketing

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PRESENTATIONS

PROPRIVITY AND LOCUS OF CONTROL DRIVE ENTREPRENEURIAL INTENTIONS? IN ACADeMY OF MANAGEMENT, 81ST ANNUAL MEETING. ACADEMY OF MANAGEMENT.
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REVIEWS


