A Celebration of Scholarship and Creativity

ANNUAL REPORT OF FACULTY SCHOLARSHIP

September 2021 - August 2022
From the President

The role of scholarship and creativity at institutions of higher education is to advance knowledge, by discovery, innovation or creation. This publication showcases the innovative and creative work of our faculty and students.

The advancement of knowledge is essential for the growth of our university and for the growth of the communities, states and nations that knowledge reaches.

I continue to be impressed by the community of scholars and the collective expertise that comprises this university. Our charge is to deliver higher education allowing our students to develop breadth and depth of knowledge in foundational and advanced subjects. It is imperative this learning is derived from faculty who are leaders in their fields, through their research and scholarly work.

It is in this learning process, which animates and engages students, that the next generation of teacher-scholars is borne.

Congratulations to all our scholars!

Kirk A. Calhoun, MD, FACP
President

The Robert R. Muntz Library and the Watson W. Wise Medical Research Library staffs are 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, the University Libraries 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 several 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 librarians and staff members. On behalf of the University Libraries, I extend to you all a heartfelt congratulations on your scholarly and creative accomplishments for AY 21/22.

Becky McKay
Dean of Libraries

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 2021-22. 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 at The University of Texas at Tyler offers diverse academic programs that link learning to life through the spirit of discovery. The faculty and staff are committed to that spirit of discovery, providing first-class instruction and scholarship in the humanities, sciences, arts, and social sciences. We offer 18 baccalaureate and 11 graduate degrees, ranging from traditional humanities and sciences to the social sciences. Our students can also choose from several pre-professional programs, including pre-law, pre-theology, pre-med and pre-dental tracks.

The College of Arts and Sciences takes pride in the scholarship of our excellent faculty. 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 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.

Some examples of our faculty’s work include Dr. Josh Banta’s work focusing on evolutionary ecology – which studies populations in their natural environments and how they change genetically and morphologically through time. Specifically, he studies rare species that are found only in Texas and surrounding regions, and how they can be protected from extinction. Dr. Lisot-Nelson, who specializes in Renaissance and Baroque art history. Her scholarship includes aesthetics, Catholic devotional imagery and post-migration theory, particularly artworks representing marginalized populations such as illegitimate children, ebrei italiani, conversos, mariscos, refugees, slaves, and servants. Dr. Ann Bebe’s work focuses on Emily Dickinson, Henry David Thoreau, E.D.E.N Southworth, and pre-1870 American leadership. Her book, Emily Dickinson: A Companion was published this year. There are many examples like these across the College of Arts and Sciences and we are proud of them all.

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

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

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PRESENTATIONS


Magnusen, K. L. (2022, January). “Giving voice to the voiceless: Aida Silvestri as Artist and Advocate for Survivors of FGM in Unsterile Clinic.” Aida Silvestri as Artist and Advocate for

PRESENTATIONS


JOURNAL PUBLICATIONS


OTHER


POSTER PRESENTATIONS


PRESENTATIONS


Greenwood, M. J., Richardson, T. L., & Dudycha, J. L. (2022, May). Do phylogenomic analyses of the phylum Cryptophyta provide taxonomic resolution or uncertainty? In Joint Aquatic Sciences Meeting 2022.


Biology (continued)

GRANTS
Azghani, A. Genetic Determinants of Antibiotic Resistance in Pseudomonas aeruginosa Clinical Isolates, University of Texas at Tyler (September 1, 2021), USD $5,000.
Banta, J. Life history tracking of an East Texas freshwater mussel in two rivers, University of Texas at Tyler (September 1, 2021), USD $6,270.
Greenwood, M. Resource Partitioning by Freshwater Mussels in a Multispecies Assemblage, University of Texas at Tyler (September 1, 2021), USD $7,397.
Williams, L. Investigation into the Genetic Relationship between the Calcasieu & Teche Painted Crayfish, Louisiana Department of Wildlife & Fisheries (May 1, 2022), USD $18,862.
Yu, R. MRI: Acquisition of Tekran mercury speciation system for mercury biotransformation and ecotoxicology research and training at UT Tyler, National Science Foundation (September 1, 2021), USD $112,576.

Chemistry and Biochemistry

POSTER PRESENTATIONS

GRANTS
Mason, R. Joint Admission Medical Program FY2022, Joint Admission Medical Program Council (September 1, 2021), USD $12,779.

Communication

CREATIVE PRODUCTIONS

JOURNAL PUBLICATIONS

PRESENTATIONS

Literature and Languages

BOOKS

CHAPTERS

CREATIVE PRODUCTIONS
Propper, T. (2022, June). "To a Statue of Mary (7:45PM)". In Literature Today.

JOURNAL PUBLICATIONS

PRESENTATIONS


Anders, K. (2021, Autumn). Graphs admitting only constant splines over \( \mathbb{Z}_m \). In Texas Number Theory and Combinatorics Seminar.

Anders, K. (2022, Spring). Characteristics of graphs admitting only constant splines over \( \mathbb{Z}_m \). In CombinaTexas.

Anders, K. (2022, Spring). Graph splines: From the basics to a characterization of graphs admitting only constant splines over \( \mathbb{Z}_m \). In Stephen F. Austin State University Department of Mathematics Colloquium.


Mathematics

PRESENTATIONS


Dawsey, M. L. (2022, Spring). A new partition statistic. In Joint Mathematics Meetings Special Session “Early career number theory research with combinatorics, modular forms, and basic hypergeometric series.”


PROCEDINGS/PUBLICATIONS


GRANTS

Milan, D. (Ph.), and Graves, C (Co-Ph). REU Site: Algebra, Graphs, and Number Theory at UT Tyler, National Science Foundation (May 1, 2022), USD $311,154.

Music

CREATIVE PERFORMANCES


Gullings, K. (2022, October). Performance of Kyle Gullings’ original composition “Jazz Chordier” by Dr. Sarah Roberts (soprano saxophone) and Dr. Kyle Gullings (piano). School of Performing Arts Showcase. Tyler, TX: University of Texas at Tyler.

Gullings, K. (2022, April). Commissioned performance of Kyle Gullings’ original composition “Trio for Trumpet, Cello & Piano” by Gavin Clarke (trumpet), Anna Grace Hardin (cello), and Mason Thomas (piano). Gavin Clarke Senior Trumpet Recital. Tyler, TX: University of Texas at Tyler.

Park, S. E. (2021, December 7). Tidings of Joy Concert Series. In Sooah Park Solo Recital. Christ Church, Ewing Square. In Christmas Concert. First Presbyterian Church, Dallas, TX.


JOURNAL PUBLICATIONS


Political Science and History

BOOKS


CHAPTERS


Political Science and History (continued)

**REVIEWS**

**GRANTS**
Owens, M. COVID-19 Vaccine Hesitancy and Confidence (COVAC-H) Survey: A Rapid Community Assessment in Texas, Department of State Health Services (February 2, 2022), USD $1,081,430.

Social Sciences

**BOOKS**

**CHAPTERS**

**JOURNAL PUBLICATIONS**

**CREATIVE PRODUCTIONS**

**OTHER**

**POSTER PRESENTATIONS**

**GRANTS**
Owens, M., COVID-19 Vaccine Hesitancy and Confidence (COVAC-H) Survey: A Rapid Community Assessment in Texas, Department of State Health Services (February 2, 2022), USD $1,081,430.
College of Education & Psychology

The College of Education and Psychology is proud to recognize the research and scholarship efforts of our faculty, students, and staff. This work represents collaborative efforts that transcend disciplinary boundaries, are responsive to the communities in which we live as well as to communities of learners and scholars, and these efforts often innovate in response to needs.

Faculty, staff and students in the College are organized into 3 units, the Department of Psychology and Counseling led by Chair Dr. Amy Hayes, the School of Education led by Interim Director Dr. Yanira Olveras, and the University Academy, a K-12 charter school with three campuses in Longview, Palestine, and Tyler, led by Dr. Jo Ann Simmons.

As a college we represent three disciplines, counseling, education, and psychology. We excel in teaching and offer 4 bachelor’s, 8 master’s and 2 doctoral degrees along with 2 certification programs, 5 College centers, and K-12 STEM education. Dr. Simmons partners with the University to help bring the new Early Career Development Center (or “daycare”) to fruition, which we envision will be a center for staff, faculty, and students.

The purpose of this publication is to celebrate scholarship and creative activity for the past academic year. In the period being recognized, members of the College of Education and Psychology participated in over 20 funded grant projects which included federal or international funding from the Department of Defense, the Substance Abuse and Mental Health Services Administration, and the Consortium for Belize Educational Cooperation. We also had funding from various national and regional foundations and organizations.

During this period, we have published and presented in diverse venues consistent with the mission and vision of the College and University. This includes journal articles, book chapters, books, presentations, colloquia, and conferences that were presented within national and international research societies, in community groups, in schools, in mental health settings, and more.

I am pleased to be able to congratulate faculty, staff, and students on your continued accomplishments in research and scholarship endeavors.

Sarah Sass, Ph.D.
Interim Dean

Psychology and Counseling

JOURNAL PUBLICATIONS


Psychology and Counseling (Continued)


POSTER PRESENTATIONS


PRESENTATIONS


School of Education

PRESENTATIONS


GRANTS

Estrada, S. Average or Outlier? Introductory statistics adjunct instructors beliefs, practices, and experiences. University of Texas at Tyler (September 1, 2021), USD $6,004.


Odell, M. R. L., & Kennedy, T. J. (2021, Autumn). The UT Tyler and T STEM Coalition GLOBE Partnerships: Preparing Preservice Teachers During the Pandemic. In International GLOBE Conference. GLOBE.


School of Education (continued)

PROCEEDINGS PUBLICATIONS


GRANTS

Dykes, F. Educator Preparation Planning Grant, Texas Higher Education Coordinating Board (July 31, 2022), USD $50,000.
College of Engineering

Engineering and construction management are transformative disciplines that leverage creativity, critical thinking, and applied math and science to synthesize innovative solutions to complex problems and grand challenges. The scholarly accomplishments of the faculty and students have helped elevate the College’s national profile. This year, US News & World Report ranked the College of Engineering 42nd in the nation amongst institutions that do not offer a doctorate in engineering. The following are just a few of the scholarly accomplishments our faculty achieved over the past year.

Dr. Javier Kypuros, Ph.D. underrepresented early career academics in cardiovascular sciences. The Cardiovascular Sciences (FOCUS) program. The program is designed to enhance the academic skills of journal Fuel. Dr. Carla Lacerda was awarded a grant from the NIH as part of the UC San Diego Future Faculty of the NSF to develop methods using data to model and analyze carbon dioxide sequestration in porous materials. Dr. Aaditya Khanal in the Jasper Department of Chemical Engineering was recently awarded over $220,000 by the NSF to develop the “Iterative On Surface Radiation Conditions” (ITOSRC) method capable of performing reliable single- and multiple-scattering analysis at a fraction of the computational cost of the current methods. This method has numerous applications, including medical imaging and intervention, sonar and radar development, non-destructive material testing, noise reduction, and Metamaterial development. Over the last year, the Mechanical Engineering faculty have published several dozen manuscripts, including journal articles and conference proceedings. The department’s chair, Dr. Neel Barokat, was selected by the US State Department Office of Cultural and Educational Affairs to serve as a Fulbright Specialist.

Dr. Aadiya Khanal in the Jasper Department of Chemical Engineering was recently awarded over $220,000 by the NSF to develop methods using data to model and analyze carbon dioxide sequestration in porous materials. Dr. Khanal’s recent paper entitled “The current techno-economic, environmental, policy status and perspectives of sustainable aviation fuel (SAF)” is at the top of the list of the “most download articles” worldwide from the journal Fuel. Dr. Carla Lacerda was awarded a grant from the NIH as part of the UC San Diego Future Faculty of Cardiovascular Sciences (FOCUS) program. The program is designed to enhance the academic skills of underrepresented early career academics in cardiovascular sciences.

Javier Kypuros, Ph.D.
Dean, College of Engineering

Chemical Engineering

JOURNAL PUBLICATIONS


Wang, X., Deb, N., & Lacerda, C. m. r. (2021). Comparison of Serotonin-Regulated Calcific Processes in Aortic and Mitral Valvular Intersitial Cells. ACS Omega, 6(30), 19494-19505. https://doi.org/10.1021/acsomega.1c01723


PRESENTATIONS


PROCEEDINGS PUBLICATIONS


GRANTS

Khanal, A. Analytical Modeling of Phase Behavior in Unconventional Reservoirs with Nanopores, University of Texas at Tyler (September 1, 2021), USD $75,500.

Khanal, A. Numerical Modeling of the Gas Flow in Nanoporous Media, American Chemical Society (September 1, 2021), USD $55,000.
Civil Engineering

JOURNAL PUBLICATIONS


POSTER PRESENTATIONS


Souliman, M. Measuring Seal Coat Rate Field Adjustments. Texas Department of Transportation (September 1, 2021), USD $34,000.

Souliman, M. Quantify Maximum Accumulated Seal Coat Layers for Stability, Texas Department of Transportation (September 1, 2021), USD $10,194.

Souliman, M. SMARTPSM: Smart pavement Monitoring, Management, and Maintenance, U.S. Department of Transportation through Louisiana State University (April 1, 2022), USD $34,000.


Electrical Engineering

JOURNAL PUBLICATIONS


POSTER PRESENTATIONS


PRESENTATIONS


Tabassum, S. (2022, February). From wearables to in vivo biosensing: next generation of electrochemical and optical biosensors for real-time monitoring of biomarkers. In University of Texas at San Antonio Faculty Research Seminar.

PROCEEDINGS PUBLICATIONS


GRANTS

Indic, P. Vital Signs in Opioid-Exposed Neonates, National Institutes of Health through the University of Alabama at Birmingham (September 1, 2021), USD $898,405.

Park, J. Caching and Streaming of 360-degree Videos for VR Applications, University of Texas at Tyler (September 1, 2021), USD $7,500.

Tabassum, S. A Wearable and Field-deployable Sensor for Crop Leaves, University of Texas at Tyler (September 1, 2021), USD $7,499.

Tabassum, S. ERI: Crop-FIT: Technology to Support Integrated Wearable Fitness Trackers for Plants, National Science Foundation (January 1, 2022), USD $200,000.

Tabassum, S. PFI-TT: A Fiber-Optic Sensing System for Multiplexed Gas Detection, National Science Foundation (March 15, 2022), USD $27,063.

Tabassum, S. Integrated Fitness Tracker for Plant Stem Toward Next Generation Smart Farming, American Association of University Women (July 1, 2022), USD $35,000.
Mechanical Engineering

JOURNAL PUBLICATIONS


POSTER PRESENTATIONS


PRESENTATIONS


PROCEEDINGS PUBLICATIONS


PROCEEDINGS PUBLICATIONS


Khajah, T., & Antoine, X. (2022, Summer). High-frequency scattering analyses at dramatically low computational cost using phase-reduced isogeometric on surface radiation conditions. 15th World Congress on Computational Mechanics (WCCM) 2022.


GRANTS

Fisch College of Pharmacy

The Ben and Maytee Fisch College of Pharmacy (FCOP), established in 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, research, and service. The College offers the Doctor of Pharmacy (PharmD) degree. The inaugural class was enrolled in 2013, with the Mission to advance the public health and wellness of the community.

Beginning in the first semester and continuing across all four years of the PharmD curriculum, pharmacy students spend nearly 2,000 hours in ambulatory care facilities and hospitals working alongside pharmacists, nurses, physicians and other healthcare practitioners providing patient care and addressing other healthcare issues. Over 700 pharmacist preceptors have B trained FCOP students within nearly 600 practice sites across Texas. TheB students are establishing positive relationships and networks throughout the state. Graduates enter the profession with the necessary knowledge, skills, and abilities for a meaningful professional career.

The FCOP includes two Departments, Clinical and Pharmaceutical Sciences, which are chaired by Dr. Rahmat Talukder and includes nine faculty members each (18 total). Scholarship areas being pursued by the faculty include (but are not limited to) drug discovery for areas such as cancer, infectious disease, pain management, and substance abuse, bio and nano technologic advances, translations of care, strategies to improve medication access, adherence and safety, and advancing student learning. Faculty scholarship initiatives are interdisciplinary both within UT Tyler and beyond, and ever expanding. Students have been actively engaged in B scholarship, working with faculty and other healthcare providers, and have shared these experiences at professional meetings. The faculty and students are actively contributing to the scholarship mission of the University.

Amy H. Schwartz, PharmD, BCPS
Dean, Fisch College of Pharmacy

Clinical Sciences

BOOKS


CHAPERS


CREATIVE PRODUCTIONS

Yett, E. S. (2022, June). Top ten things every clinician should know about sacubitril/valsartan. In iForumRx - podcast.


JOURNAL PUBLICATIONS


OTHER


Yang, T. “Cindy” (2021, November). Low Blood Sugar and Insulin Use. Safemedication.com by ASHP.

Clinical Sciences
(Continued)

PHARMACEUTICAL SCIENCES

CHAPTHERS


JOURNAL PUBLICATIONS


POSTER PRESENTATIONS


PRESENTATIONS


PROCEEDINGS PUBLICATIONS


GRANTS

Araly, S. Re-engineering Tumor Cell-Derived Extracellular Vesicles with Exogenous Tags for Downstream Analysis, National Institutes of Health (September 10, 2021), USD $405, 400.

Deba, F. Control of NP by Modulating TRP Channel Downstream Analysis, National Institutes of Health (September 1, 2021), USD $7,500.

Hamouda, A. (Pf) and Bill, B. (Co-Pf). In vitro pharmacology and in vivo neuroprotective effects of CMPI analogues in an optimized Zebrashift model of Parkinson’s disease. National Institutes of Health (May 20, 2022), USD $588,000.

POSTER PRESENTATIONS


School of Health Professions

The School of Health Professions is a new academic unit at UT Tyler with programs that span the Health Science Center and main campus. The SHP is committed to (1) advancing the quality of population health outcomes in East Texas, (2) promoting wellness through research, education, and clinical programs, and (3) training the next generation of health professionals. The School includes 25 full-time faculty members in four academic departments: Kinesiology, Public Health, Healthcare Policy, Economics, and Management, and Rehabilitation Sciences. Dr. Theresa Byrd has been named as the inaugural Dean of the School of Health Professions.

Health Professions faculty are actively involved in a wide variety of research and scholarship impacting the health and well-being of East Texans and beyond. Over the past year, SHP faculty published multiple peer reviewed research articles, presented scholarly presentations, and authored books and book chapters.

To highlight a few areas of research—Department of Kinesiology faculty are involved in interdisciplinary research groups to study balance and risk of falls in older adults. One group, led by Dr. Wooyoung Jeon is assessing how age-related changes in leg strength and biomechanics can impact balance and risk of falls. A second group, including Dr. Neil Dong and Mr. Andrew Cage is seeking to create a wearable sensor that automatically detects a fall so that medical help can be obtained quickly. Dr. Madhura Maiya in the Department of Kinesiology is examining the nutritional value of resistant starches and their potential for combating insulin resistance and type II diabetes.

Department of Public Health faculty are collaborating with researchers at UT Houston to evaluate early childhood health screening in Northeast Texas. Other faculty are involved in a Texas Department of State Health Services-funded project to establish community-based consortiums for increasing vaccine uptake in East Texas.

Department of Healthcare Policy, Economics, and Management faculty are collaborating with the School of Medicine to study COVID-19 vaccine hesitancy in community members and healthcare professionals. Department of HPEM faculty have also published articles on the ethical allocation of COVID-19 vaccines in the U.S. and the effect of COVID-19 on academic integrity.

In the Department of Rehabilitation Sciences, Dr. Tina Melamed is studying language use and development in children, using behavioral and physiological measurements to investigate how experiences, environment, and socio-economic status interact to support language development.

These are just a few of the research projects that School of Health Professions faculty are pursuing. I’m proud to celebrate the scholarship of our faculty as we work to improve the lives of all Texans.

David Criswell, Ph.D.
Interim Dean, School of Health Professions

Community Health

JOURNAL PUBLICATIONS


PRESENTATIONS


Healthcare Policy, Economics, and Management

JOURNAL PUBLICATIONS


PRESENTATIONS

Elliott, K., & Escareno, J. (2022). Pandemic Pivot: Revisiting Academic Integrity Strategies to Ensure Student Success. In Association if University Programs in Health Administration (AUPHA) Annual Meeting. Association if University Programs in Health Administration.


BMC Public Health, 21(1849), Article 1849. https://doi.org/10.1186/s12889-021-11835-0

https://theconversation.com/kenya-and-zimbabwe-are-fewer-187707

https://olympicanalysis.org/section-1/pride-and-striving-for-perfection-at-the-olympics/
School of Medicine

At the School of Medicine, our purpose is to improve the quality of life and health throughout East Texas. We want to address health care issues in the community, including the physician shortage and lack of health care access.

We have four key departments and centers that are essential to achieving these goals: the Department of Occupational and Environmental Medicine, the Department for Biomedical Research, the Department of Preventive Medicine and Population Health, and the Center for Clinical Research.

The Department of Occupational and Environmental Medicine collaborates with the CDC National Institute for Occupational Safety and Health to create safer workplaces. The faculty research how COVID-19 impacted industrial sectors to prepare US companies for future pandemics. The Southwest Ag Center is a key component of this department. A main goal of the Southwest Ag Center, led by Dr. Casanova, is to improve the health of agricultural, forestry and fishing [AFF] workers by providing outreach to the five southwest states.

At the Center for Biomedical Research, nationally recognized scientists identify novel therapies to improve human health. Their research focuses on cardiovascular disease; acute, chronic and infectious lung diseases; thoracic malignancies and immunologic problems. Students of the Master in Science in Biotechnology program have presented their research alongside their faculty mentors at international conferences and society meetings. In the last year, many of the faculty's publications included student contributions.

The Department of Preventive Medicine and Population Health functions as the community engagement arm of our four-fold mission. The faculty teach Master of Public Health and Master of Health Administration courses, instruct physicians in the General Preventive Medicine Residency and train community health workers. This department offers a variety of lifestyle change programs, including the Diabetes Prevention Program, Hypertension Workshops, Hypertension Monitoring/Support, Active Living After Cancer, Your Diabetes and Your Heart, and Tobacco Cessation. Our research focus is wide-ranging and includes infectious disease education and prevention, mitigation through testing and vaccination as well as breast and cervical cancer screening outreach grants.

The Center for Clinical Research conducts clinical trials in East Texas, delivering evidence-based, cost-effective medical care throughout the region, its studies focus on pulmonary medicine, virology, neurology and oncology. Its renowned investigators and staff are first enrollers on several industry- and grant-funded research projects for patients diagnosed with Bronchiectasis, Non-Mycobacterial Tuberculosis and Cystic Fibrosis. The center recently launched a new website, which can be accessed at clinicalresearch.utytler.edu.

The School of Medicine has done some big things in East Texas—and there’s more to come. We recently matched with 40 students, who will form our inaugural class this July. With the advent of our first class and the discoveries from both our past and current research, I’m excited to see how the School of Medicine will continue to impact the community.

Brigham C. Willis, MD, MEd, FAAP
Foundation Dean, School of Medicine

Department of Cellular and Molecular Biology

JOURNAL PUBLICATIONS


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Department of Cellular and Molecular Biology (continued)


PRESENTATIONS


GRANTS

Cuo, Q. (PI). Dedicator of cytokinesis 2 in pleural fibrosis, USD $362,800.


Lella Rao, V. Tissue Factor’s role in the pathogenesis of hypercoagulability in COVID-19, National Institute of Health (NIH) (October 12, 2022), USD $404,250.

Lu, Maolin.Conformational landscape and dynamics of HIV-1 fusion protein required for virus entry, Gilead (January 3, 2022), USD $130,000.

Lu, Maolin. Probing conformational dynamics of HIV-1 fusion protein required for virus entry, Gilead (January 3, 2022), USD $362,800.

McShane, P. Development of pulmonary nontuberculous mycobacterial disease symptom scale (NTM-SS), pulmonary NTM infection, FDA (September 30, 2021), USD $53,822.
Department of Epidemiology and Biostatistics

**CHAPTERS**


Presentations


Department of Family Medicine

**JOURNAL PUBLICATIONS**


Department of Gastroenterology

**PRESENTATIONS**


Department of Medical Education

**PRESENTATIONS**


POSTER PRESENTATIONS


PRESENTATIONS

Bhavaraju, V., Panchanathan, S., Willis, B., & Garcia-Filion, P. (24 April 2022). From Experience to Competence: Mining the Electronic Health Record to Measure Clinical Experiences in Pediatric Trainees. PAS 2022, Denver, CO.


Lewis, K. (March 2022). Applying the ASPE Standards of Best Practice. Simulation Forum at Texas Children’s Hospital, Houston, TX.

Lewis K., Yelen, M., Webster T. (June 2022). Applying the ASPE Standards of Best Practice (SOBP) to your context [Presentation]. Association of Standardized Patient Educators Conference, New Orleans, LA.

Department of Occupational and Environmental Medicine

JOURNAL PUBLICATIONS


POSTER PRESENTATIONS


PRESENTATIONS


Levin, J. L (18 April 2022). Physical Factors Affecting Health in Agriculture [Virtual Presentation]. Agricultural Workshop/Agricultural Medicine Course, Texas College of Osteopathic Medicine, Office of Rural Medical Education.

Levin, J., Sorensen, J., & Quinn, B. (27 April 2022). AgFF and OM residents: what is the relevance? [Virtual Presentation]. Didactic and Grand Rounds, Mount Sinai Hospital Occupational Medicine Residency.


GRANTS

Casanova, V. COVID-19 Health Disparities Program, Centers for Disease Control and Prevention (December 10, 2021), USD $475,001.

Casanova, V. Development and Implementation of a Mental Health and Suicide Prevention Program for Texas Farmers, Texas Department of Agriculture (September 1, 2021), USD $100,000.

Crum, M. COVID-19 Vaccine Outreach and Education, Texas Department of State Health Services (November 10, 2021), USD $293,756.
Department of Preventative Medicine and Population Health

JOURNAL PUBLICATIONS


PRESENTATIONS

Truneh, Y. M. (2021). Key steps in Conducting Scientific Presentations. CAPSA Capacity Building Workshop. UT Health Science Center at Tyler, Tyler, TX.

Department of Surgery, Division of Trauma Surgery/Department of Epidemiology and Biostatistics

JOURNAL PUBLICATIONS


Department of Surgery,
Division of Trauma Surgery/Department of Epidemiology and Biostatistics
(continued)

PRESENTATIONS


At the School of Nursing, our mission is to "empower students to excel as nurse clinicians, leaders, and scholars in a caring, learner-centered, strengths-based environment." With 2,114 students enrolled this spring in undergraduate, master’s, and doctoral degree programs, the School of Nursing comprises 24% 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.

School of Nursing faculty are not only active in the Scholarship of Practice, but also in the Scholarship of Discovery. Despite the continued challenges associated with nursing shortages and the need to focus on delivery of care, School of Nursing faculty published 30 journal articles, two book chapters, and gave 62 professional presentations, including 27 poster and 35 podium presentations, this past academic year. The work performed by faculty was supported by over $1.5 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, caring for victims of human trafficking, Covid vaccine outreach in rural east Texas, educating the next generation of nursing faculty, outreach in the greater Longview region, and providing psychological and exercise support to persons with cancer living in rural communities.

This year we were pleased to create and fill a new position for an Associate Dean for Research within the School of Nursing. Dr. Susan McBride, an internationally renowned scholar with expertise in big data science and analytics, works closely with faculty within the school, across campus, and stakeholders in the community to advance the Scholarship of Discovery. The School of Nursing is one of four health-related schools under the Health Affairs Division. Working with colleagues from the School of Health Professions, School of Medicine, and School of Pharmacy, we will continue to expand our understanding of health-related issues and address the critical healthcare needs of our region and beyond.

Barbara Haas, PhD, RN
Lee Roy and Lucy Mathis Chair in Nursing
Dean and Professor, School of Nursing


School of Nursing (continued)


OTHER TEACHING MATERIALS


POSTER PRESENTATIONS


Kimzey, M., Mastel-Smith, B., & Patterson, J. (2021, November). Nursing Students Visiting People with Dementia Online during COVID-19: A Qualitative Study. In CSA Annual Scientific Meeting. CSA.


PRESENTATIONS


School of Nursing (continued)


GRANTS

Chilton, J. Innovations in Nursing Scholarship Prepare and Inspire Robust Educators (INSPIRE), Health Resources and Services Administration (July 1, 2022), USD $321, 208.

Alfred, D. (PI), and Sorensen, W. (Co-PI). Community-Based Workforce to Increase COVID-19 Vaccinations in Underserved Communities, Health Resources and Services Administration through The University of Texas Health Science Center at Tyler (November 1, 2021), USD $655,701.
As the 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. In addition, the Hibbs Institute for Business and Economic Research continues to be a reliable source for updates and information about issues of interest to the East Texas region and beyond.

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 several leadership and editorship positions in their professional and academic field of study due to their reputation for scholarly and educational excellence.

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 ranked #53 according to Fortune magazine. 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 another year of remarkable scholarly and research success!

Dr. Krist Swimberghe
Dean, Soules College of Business

**CHAPTERS**


**JOURNAL PUBLICATIONS**


**POSTER PRESENTATIONS**


**PROCEDINGS PUBLICATIONS**


**Accounting, Finance and Business Law**

**JOURNAL PUBLICATIONS**


**PRESENTATIONS**


**REVIEWS**


**Human Resource Development**

**JOURNAL PUBLICATIONS**


**POSTER PRESENTATIONS**


**PRESENTATIONS**

Cho, Y., & You, J. (2022, September). Invited talk on the study findings of South Korean highly educated women in Korea and implications for HRD. In The YEF’s 10th anniversary ceremony, Yonsei University. YEF at Yonsei University. Korea. https://ustyler.instructuremedia.com/embed/253205be-2d0a-459c-a023-490d8a3526fa


Human Resource Development (continued)


Management and Marketing


JOURNAL PUBLICATIONS


PRESENTATIONS


Cater, J. (2021, January 5-8). Conducting qualitative research on family firms [Conference session]. USASBE Annual Conference.


Young, M., Cater, J., & Hua, L. (2022, August 4-8). Racial-minority entrepreneurs as entrepreneurs: Understanding, challenging, background, and personal experiences [Conference Session]. Academy of Management 82nd Annual Conference, Boston, MA, United States.


