A Celebration of Scholarship and Creativity

Annual Review

September 2016-August 2017
Those who dedicate their lives to discovery and creation of knowledge form the foundation of a thriving university. With the overall goal of creating an educated citizenry, public universities are best positioned to meet their mission when their faculty are equally passionate about teaching, research, and scholarship. I witness that dedication every day in the faculty at The University of Texas at Tyler.

Our faculty understand scholarship means much more than just great teaching, although that is certainly a significant part of student success. They know students truly succeed by witnessing and participating in every aspect of scholarship, from classroom learning to research, conference presentations, and community outreach. Only when they see the whole picture can students fully understand learning is lifelong and reciprocal.

Faculty research at The University of Texas at Tyler enriches student learning and engagement, but also plays a crucial role in advancing the communities of East Texas and beyond, from strengthening K-12 education to establishing best practices for economic development. As evidenced by the many awards and publications cited within these pages, our faculty are among the best in their fields. I am honored to share their accomplishments with you.

The medical field is among the fastest growing sectors for East Texas, and many of our accomplishments demonstrate our role as a key partner in that expansion. The College of Nursing and Health Sciences, for example, is training nurse leaders for advanced careers through the new Doctor of Nursing Practice program. And students are being accepted into the Master of Occupational Therapy program, which begins classes in fall 2018.

Fisch College of Pharmacy is in its third year of classes and continues to establish itself in the field. Along with delivering an impactful, innovative Doctor of Pharmacy curriculum, faculty are dedicated to advancing research and scholarship, publishing in professional and peer-reviewed journals and presenting at national and international conferences on diverse topics, from drug development to the use of pharmacology to prevent and treat disease.

The College of Education and Psychology is addressing educational attainment and mental health issues in the region through a series of research-based educational centers, including the K-12 Literacy Center, the East Texas Center for School Based Research and Instruction, the Memory Assessment and Research Center, and the advancement of STEM education through the Ingenium Center. Faculty in the College of Education and Psychology have engaged students in significant research programs, including the development of wearable sensors and predictive analytics for preterm infants in the Department of Electrical Engineering and the creation of a bike lane network throughout Tyler, a collaborative project of the Department of Civil Engineering and the city of Tyler.

College of Business and Technology faculty directed more than 30 student research projects involving 671 undergraduate and graduate students, and more than 80 percent of tenure-track faculty had scholarly articles published in 2016-17. Several faculty received "Best Paper" awards at national and international conferences.

Over the past year, College of Arts and Sciences faculty received 11 of 14 prestigious Regents’ Outstanding Teaching Awards from the University of Texas System. They also published more than 100 articles, authored or co-authored eight scholarly books, and presented at regional, national, and international conferences.

Through outstanding teaching, strong research programs that speak to students, and excellent scholarship, University of Texas at Tyler faculty continue to do great things. We are excited about the opportunities to come as we work together for the benefit of our students and our communities.

Dr. Michael Tidwell
President, The University of Texas at Tyler

The Arts and Sciences faculty at the University of Texas at Tyler are second to none in the academic world. And it’s a young and dynamic faculty. A third of has been recruited over the last five years. Over just the last year, the faculty has published over a hundred articles in professional and peer-review journals, authored or co-authored eight scholarly books published by prestigious outlets. And others are in the works. In addition, many dozen presentations at professional conferences at regional, national, and international settings were provided over the last year. And a large proportion of these are undergoing editorial reviews for publication in scholarly journals.

The faculty also continue to earn recognition for their effective and innovative teaching achievements. Eleven of fourteen Regents’ Outstanding Teaching Awards, the most prestigious teaching recognitions provided by the University of Texas system, on this campus have been received by faculty in the Arts and Sciences. Faculty have also received several other teaching awards.

The Talon student newspaper, Debate Club, and Model United Nations are all housed in the Arts and Sciences and are the recipients of numerous awards and recognitions at regional and national competitions. The Debate Club program is considered one of the top ten in North America. All of these activities are open to students regardless of their major and home college and are coordinated by well-credentialed members of the faculty.

The Arts and Sciences sponsors two international experiences each academic year that include a deep immersion in Spanish during a six week summer session and a spring recess Study Tour to Israel during the spring semester recess in March. Both programs have been successfully pursued for nearly a decade with steady growing enrollments. Each experience is designed to annually provide dozens of students with access to and experience with other cultures during which they receive course credit.

The College of Arts and Sciences has become for East Texas the pre-professional school of choice. Our advisors are strong advocates for the double major, an initiative that can, with planning, be completed in a four-year time period. Every year our graduates are leaving to pursue their studies to complete advanced degrees in dentistry, medicine, law, and pharmacy. Others are staying with us and entering graduate programs in their area of interest in the humanities, social sciences, and natural sciences. The college has as its main mission to be instrumental in building and sustaining the middle class in its service area.

Arts and Sciences are the heart and soul of a university dedicated to the education of every student to fulfill the requirements of their major and home college and to coordinate by well-credentialed members of the faculty.

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 2016-2017. Information was compiled from FacultyDB, the University's platform for faculty activity reporting.
ART

Creative Productions


BIOLOGY

Journal Publications


Poster Presentations


Presentations


Hertweck, K. L. (2017, Spring). Plant systematics to cancer biology: Transferable skills and evolutionary thinking in bioinformatics. Invited seminar at University of Texas at Austin Department of Integrative Biology.

BIOLOGY continued

Funded Grants

Banta, Joshua. The Metabolism and Genomics of Industrial vs. Wild Strains of Clostridium Acetobutylicum, US Army Research Office (September 1, 2016), USD $20,000.
Placyk, John. RFP No. 207c for Endangered species Research Projects for the Freshwater Mussels, Region 2, East Texas: Extension for Pigtoe Genomic Research, TX Comptroller of Public Accounts (February 13, 2017), USD $130,314.
Williams, Lance. Aquatic Fauna Surveys on Camp Swift Training Center, Texas Military Department (August 1, 2017), USD $33,487.
Williams, Lance. Aquatic Fauna Surveys on Fort Wolters Training Center, Texas Military Department (August 1, 2017), USD $33,487.
Williams, Lance. Survey of Kisatchie Painted Crayfish at Ft. Polk, Quantitative Ecological Services (March 8, 2017), Inc. USD $100,810.
Williams, Lance. Texas Comptroller Survey of Freshwater Mussels, TX Comptroller (August 15, 2016), USD $96,574.

CHEMISTRY

Journal Publications


Poster Presentations


Funded Grants

COMMUNICATION

Books

Journal Publications

Poster Presentations

Presentations

LITERATURE & LANGUAGES

Books

Chapters

Other

Presentations
LITERATURE & LANGUAGES continued

The University of Cincinnati.


Wu, H. (2017, May). Foundation and Approaches to Academic Writing. Education University of Hong Kong Seminar. UT Tyler: UT Tyler and Education University of Hong Kong.


Reviews


MATHEMATICS

Journal Publications


Presentations


Funded Grants

Milan, David. NSF REU (Research Experiences for Undergraduates) Site at Tyler 2016, National Science Foundation (May 1, 2017), USD $254,443.
Creative Performances


Rose, C. J. (2016). Conductor: Come Sing With Me: UT Tyler Patriot Singers & Concert Chorale Fall Concert. First Presbyterian Church, Tyler: School of Performing Arts.


Creative Productions


Other


Presentations


POLITICAL SCIENCE & HISTORY

Books


Chapters


Journal Publications


Other


Presentations


Reviews

SOCIAL SCIENCES

Books


Chapters


Journal Publications


SOCIAL SCIENCES continued

Poster Presentations


Presentations


Funded Grants


Other


The College of Business and Technology (CBT) has built a reputation as the best business school in the region by providing high quality business education, research that includes the creation of both basic and applied knowledge and service within the represented professional disciplines and the stakeholders of the East Texas region. The CBT has experienced double digit growth during each of the last five years. The fall 2016 enrollment exceeded 2700 students, 1300 being graduate students. Both undergraduate and graduate students are involved with faculty in research projects which benefit area businesses. Over 60 student research projects involving 675 students were conducted during the year.

The Center for Retail Enterprises (CRE) hosted a Retail Summit in both Tyler and Longview. The Center for Family & Small Enterprise hosted a Small Business Boot Camp, where experts were brought in to educate East Texas small business owners, and the Texas Productivity Center provided the Lean Six Sigma certification for area industry. The Leadership Speakers Series featured Lou Holtz. Computer Science held the first Cyber Patriot Games Hackathon and its Robotics team placed 5th at the Texas Tournament.

There were two books authored and 36 chapters were published in academic books. The outreach centers within the College of Business and Technology have had a significant impact on the East Texas region this year through their efforts. The Hibbs Institute for Business and Economic Research hosted the East Texas Economic Development summit with Laila Assanie from the Dallas Federal Reserve Bank the keynote speaker.

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HUMAN RESOURCE DEVELOPMENT

Books


Chapters


Journal Publications


Poster Presentations


Presentations


Proceedings Publications


Journal Publications


Presentations


MANAGEMENT & MARKETING

Books

Chapters

Journal Publications


Other

Other Teaching Materials

Poster Presentations

Presentations


Proceedings Publications


MANAGEMENT & MARKETING continued
DEPARTMENT OF TECHNOLOGY

Books

Journal Publications

Presentations
Donaldson, E. S., & Goris, T. (2016, November). Addressing the challenges of preparing science teachers to introduce engineering to early learners in elementary and middle schools. ATMAE Annual Conference. Orlando, Florida: ATMAE.
Donaldson, E. S. (2016, November). Can Lean Six Sigma be implemented in Higher Education while ensuring that all customer needs are being met? IAJC. Orlando, Florida: IAJC.
Donaldson, E. S. (2016, November). Can Lean Six Sigma be implemented in Higher Education while ensuring that all customer needs are being met? IAJC. Orlando, Florida: IAJC.
Donaldson, E. S., & Newton, K. A. (2016, November). Underrepresented minority students’ progression to graduate school in technology. IAJC. Orlando, Florida: IAJC.

Proceedings Publications

COLLEGE OF EDUCATION & PSYCHOLOGY

The College’s core purpose is to prepare competent, caring, and qualified professionals in the fields of education, psychology and counseling and to advance the knowledge base in our respective disciplines. Our commitment is to help each individual become an Architect of Human Potential. It is an awesome responsibility and a tremendous public trust.

We embrace this trust by:
1. preparing the next generation of educators and mental health professionals,
2. expanding the knowledge base in our respective disciplines,
3. providing service to improve the quality of life within our region and state.

The College of Education and Psychology consists of a community of scholars charged with enriching the knowledge base within our respective fields. This is accomplished through the research and scholarship that our faculty pursue. This past year, the College published three books, 24 chapters, 52 journal articles and presented 23 poster sessions and 45 presentations. In addition, the College in conjunction with the Ingenuity Center generated 3.6 million dollars in external funding.

A major initiative of the College of Education and Psychology is addressing the pressing issues of our region. Two of the biggest issues impacting East Texas is educational attainment and mental health. The College is addressing these issues through a series of educational centers focused on conducting and/or disseminating research based practices to concentrate on these challenges. The K-12 Literacy Center is engaged in a number of research based projects designed to promote literacy with a special emphasis on early literacy in East Texas. The Ingenuity Center’s is addressing the issue of science, technology, engineering and mathematics (STEM) by recruiting more STEM majors in education and more professionals in the field. The Memory Assessment and Research Center (MARC) is working in conjunction with the Alzheimer Alliance to provide free dementia screening and family counseling for East Texans. The newest center in the College is the East Texas Center for School Based Research and Instruction and is designed to provide high quality, research-based professional development activities for teachers and administrators that promote student achievement.

As George Bernard Shaw said, “You see things; and you say why? But I dream things that never were; and say why not?” Through the research and scholarship being conducted in the College we are expanding the knowledge base and addressing the pressing societal needs of East Texas.
EDUCATIONAL LEADERSHIP

Books

Chapters

Journal Publications

Other

Presentations

Proceedings Publications

PSYCHOLOGY AND COUNSELING

Chapters

Journal Publications

Poster Presentations


Presentations


Funded Grants


Books


Chapters


Creative Productions


Journal Publications


**SCHOOL OF EDUCATION continued**


**Poster Presentations**


**Presentations**


**Funded Grants**

Delello, Julie. Orion Journey to Mars: Bringing NASA Programming to Diverse Rural Settings, Texas Space Grant Consortium (September 1, 2016), USD $75,000.

Lamb, John. Pathways of Promise 2.0: Middle School Math Project, E3 Alliance for Greater Texas Foundation (June 1, 2017), USD $203,296.

Odell, Michael. Texas 21st Century Community Learning Centers, Cycle 8 Year 5, Texas Education Agency (August 1, 2017), USD $2,200,000.

Odell, Michael. Robert Noyce Teacher Scholarship Program Evaluation, National Science Foundation through The University of Texas at Arlington (July 13, 2017), USD $4,500.

Odell, Michael. Umbrellas Agreement for Technical Support for Statewide Water Quality Management, TCEQ (September 1, 2016), USD $500,000.

Sherman, Cindy. 2016-2017 Texas Mathematics & Science Partnership Professional Development Network: Computer Science, Texas Education Agency through The University of Texas at Austin (January 13, 2017), USD $75,000.
The College of Engineering at The University of Texas at Tyler strives to be the preeminent engineering institution in the region with a national reputation for scholarly excellence and transformational regional impact. As a college, we seek to enhance the intellectual and economic vitality of the region, the state, and the nation through teaching, research, and outreach.

This past academic year has been one of growth and change in the College of Engineering (COE). We are pleased to welcome Dr. Javier Kypuros as the fourth Dean of Engineering in the college’s 20-year history. Dr. Kypuros joins us from The University of Texas Rio Grande Valley, where he served as the Associate Dean of Academic Affairs for the College of Engineering and Computer Science. He is passionate about student success in engineering education, as evident from his two current projects funded by the National Science Foundation; one on an ecosystem for success in engineering and the other on social identities in engineering education and practice. He has also been funded for his research on dynamic systems and control by NASA and the Texas Space Grant Consortium. His passion and skill in the teaching arena are evinced by his recognition as a UT System Regent’s Outstanding Teaching Award winner in 2014. Elsewhere in the college, the Department of Electrical Engineering received over $730K in both federal and industry research funding, while in our Department of Mechanical Engineering, our faculty and students have continued to successfully collaborate with NASA to support training for the NASA Orion Spacecraft. Overall, the College published 33 journal articles and 26 conference papers while submitting 50 research proposals to external funding agencies, with 26 of those proposals being awarded.

The funded research projects of faculty members such as Drs. Premanda Indic and Mena Souliman are representative of how the work we do in the College of Engineering at The University of Texas at Tyler has measurable, positive, societal impact on the people of East Texas and beyond.

DR. PREMANDA INDIC in Electrical Engineering is studying Wearable Sensors and Predictive Analytics for Preterm Infants. This research program, in collaboration with UT Austin and the University of Alabama at Birmingham, is sponsored by the National Science Foundation (NSF) and the National Institutes of Health (NIH). One in eight infants are born prematurely and these infants have life threatening events such as pauses in breathing (apnea), slow heart rate (bradycardia) and oxygen de-saturation (hypoxia). A group, led by Dr. Indic, is developing a technology for the prediction and intervention of life threatening events in vulnerable infants. One of Dr. Indic’s graduate students, Apurupa Ampereyani, who is working on this project, was invited to present her work at the renowned Computing in Cardiology Conference held last year in Rennes, France.

Related results from this research have led to other applications including the use of biometrics to monitor suicidal ideation indicators. Suicidal ideation indicators have quantifiable physical effects that can be measured with wearable sensors. Through a partnership with the Department of Veterans Affairs, Dr. Indic and his team are developing methods for measuring and algorithmically analyzing biometric signals to flag in real-time when suicidal ideation occurs. Similar biometric signal analysis could have widespread applications for a variety of physical and mental health issues. This past year, Dr. Indic was recognized as the College’s Alpha Chi Honor Society Outstanding Faculty.

DR. MENA SOULIMAN in Civil Engineering was recently funded by the Texas Department of Transportation (TxDOT) to analyze the current aggregate classification system used for asphalt mixes. As the best quality aggregate types become increasingly scarce, there is an increased need for identifying alternatives and updating classification methods to better quantify and predict quality. In collaboration with the Texas Transportation Institute, Dr. Souliman and his team will comprehensively analyze traditional aggregates and compare them to newer alternatives. Moreover, they will assess the validity of established practices and, using more modern approaches, will attempt to devise more rigorous metrics for categorizing asphalt.
Journal Publications


Poster Presentations


Presentations


Proceedings Publications


Reviews


Funded Grants

Hawley, Harmonie. A School Composting Project to Increase Environmental Awareness in Children, Association of Engineering Education & Science Professors Foundation (September 1, 2016), USD $5690.

McGinnis, Michael. Experimental Investigation of Ultra High Performance Concrete Behavior, New Mexico Department of Transportation through New Mexico State University (July 1, 2017), USD $18,000.

McGinnis, Michael. Experimental Investigation of Adobe Wall Behavior, National Science Foundation through New Mexico State University (June 15, 2017), USD $3,000.

McGinnis, Michael. Trane Funding for the Building Air Quality and Energy Houses Center, Trane U.S. Inc. (4/1/2017), USD $60,000.

Saygili, Gokhan. Natural Hazards Engineering Research Infrastructure: Cyberinfrastructure, National Science Foundation through The University of Texas at Austin (January 1, 2017), USD $21,946.

Souliman, Mena. Documenting the Impact of Aggregate Quality on Hot Mix Asphalt (HMA) Performance, Texas Department of Transportation through Texas A&M Transportation Institute (TTI) (September 1, 2017), USD $25,000.

Souliman, Mena. Transportation Consortium of South-Central States (Tran-SET), U.S. Department of Transportation through Louisiana State University (April 21, 2017), USD $40,000.

Souliman, Mena. Mechanistic and Economical Benefits of Fiber-Reinforced Asphalt Mixtures, FORTA Corporation (March 6, 2017), USD $9,484.

Souliman, Mena. TEXO Education & Research Foundation Grant, TEXO Association (February 21, 2017), USD $2,500.

Souliman, Mena. Retail Merchants 2016 Bike Path, Retail Merchants of Tyler (August 17, 2016), USD $20,000.
ELECTRICAL ENGINEERING

Books

Journal Publications

Proceedings Publications

Funded Grants
Indic, Premaranda. Pre-Vent Apena, National Institutes of Health through the University of Alabama at Birmingham (August 22, 2016), USD $58,749.
Indic, Premaranda. Smart and Connected Health, National Science Foundation (September 1, 2016), USD $344,754.
Indic, Premaranda. Detecting suicidal ideation from actigraphy data, Department of Veterans Affairs (December 1, 2016), USD $22,360.
Indic, Premaranda. Pilot Data Collection and Protocol for Clinical Study of Biometric Effectiveness of Addiction Treatment, University of Massachusetts Medical School, Clinical Agreement with Continue You, LLC (December 18, 2016), USD $5,800.

MECHANICAL ENGINEERING

Journal Publications

Poster Presentations

Presentations

others
The College of Nursing and Health Sciences (CNHS) offers outstanding degree programs that equip graduates for successful leadership roles in the health professions and movement sciences. Our graduates are well prepared to practice in a variety of complex, continually changing environments. The CNHS currently houses the School of Nursing, Department of Health & Kinesiology and Institute for Integrated Healthcare. The CNHS enrollment continues to grow with 2,517 students in Fall 2017.

The School of Nursing accounts for approximately 21% of the total enrollment at UT Tyler; about 30% of all in-coming freshmen declare pre-nursing as their major. In spite of program growth, the School of Nursing maintains the rigor of its programs. The BSN graduates exceed a 95% pass rate on the national licensure exam (NCLEX), the MSN Family Nurse Practitioner (FNP) students maintained a pass rate greater than 90%; the post-master's students achieved 100% on the FNP certification exam in 2017. Recent national recognition of our online nursing graduate programs was reflected by an impressive ranking of #5 in the country and #1 in Texas by US News & World Report in 2018 (https://www.usnews.com/education/online-education/nursing/rankings).

Our B.S. in Kinesiology program was recently recognized by the National Strength and Conditioning Association (NSCA) as a Certified Strength and Conditioning Specialist (CSCS) preparatory program. All degree programs in the Department of Health & Kinesiology are accredited by the Southern Association of Colleges and Schools, Commission on Colleges (SACSCOC).

The Institute of Integrated Healthcare continued to support faculty research (eight faculty members’ research projects were funded), to enhance student education in research (student research seminar/workshop) and to promote community health (offered two community Tai Chi — mind-body exercise programs for local seniors in 2017).

New Programs in the CNHS
1. The new Doctor of Nursing Practice (DNP) program received SACSCOC approval, and we have admitted two classes of DNP students, meaning UT Tyler moved to Level IV designation for doctoral programs.
2. The New Master of Occupational Therapy (MOT) program received approvals from UT System, THECB, SACSCOC and ACOTE. Students are being admitted now to begin classes in Fall 2018.

International program activities increased in 2017. The College sponsored 8 Visiting Scholars from various international universities. The CNHS has conducted three international Teaching and Research workshops, two for international faculty from different Universities in China and one for graduate students from the Education University of Hong Kong. In summary, the CNHS leadership team, faculty and staff have worked diligently in 2017, and our student enrollment, faculty’s scholarly productivity and external grant funding continued to increase.

Funded Grants
Fumo, Nelson. Senior Undergraduate Project Grant: Auto Self-Balanced Zoning System, American Society of Heating, Refrigerating and Air-Conditioning Engineers (September 1, 2016). USD $5,000.
Goh, Chung Hyeon. SIMNET Contract: An Intelligent Model for Improving Cost Estimating Relationship Estimation, SIMNET Ltd (September 1, 2016), USD $90,000.
University of San Ignacio de Loyola (USIL),


Dong, X. N. (2017, January). A portable EMG-Based biofeedback system to alleviate chronic neck pain. National Science Foundation Smart & Connected Health Workshop. The University of Texas at Tyler: National Science Foundation (NSF) through the Smart and Connected Health Program.


Francis, J. (2017). Development of a Class II Medical Device: Ideation through Production (or the AH HA moment). National Science Foundation Smart & Connected Health Workshop. Tyler, TX.


Funded Grants
Sorensen, William. Enhanced Surveillance of Leishmania Diseases, Texas Department of State Health Services (March 1, 2017), USD $207,830.

Sorensen, William. Testing for Soil Transmitted Helminths, Texas Department of State Health Services (March 1, 2017), USD $68,336.

Wang, Yong Tai. Wheelchair Tai Chi Ball Training Program for People with Spinal Cord Injury, Paralyzed Veterans of America (June 1, 2017), USD $50,000.

northeast Texas. Presented at Texas Public Health Association annual conference, Fort Worth, TX.


Reviews


Other Teaching Materials

Poster Presentations

Presentations

SCHOOL OF NURSING

Greer PhD, D. B. (2017). 3rd Annual Interprofessional Evidence-Based Practice Conference. 3rd Annual Interprofessional Evidence-Based Practice Conference. Greater Houston Area: Sigma Theta Tau Church Crosswalk Center: STT, UTHEalth Northeast, AT, Texas Nurses’ Association, Christus TMC-UT Tyler.
Lee, S.Y. The new trend of sleep research (June, 2017, School of Nursing, Harbin Medical University, Daqing, PR. China.
Lee, S.Y., Health care for elderly-resist the important of sleep in elderly (June, 2017). School of Nursing, Harbin Medical University, Daqing, PR. China.
Lee, S.Y., Strategies to develop research proposal (January 2017). School of Nursing, Peking Union Medical College, Beijing, PR. China.
Lee, S.Y. Infant developmental care: a focus on preterm infant. (January 2017). Yuanlin Christian Hospital, Yuanlin, Taiwan.
Parker, C. D. (April 2017). Supporting Clinicians’ Cognitive Workload – Technology’s Role. 3rd Annual Interprofessional Evidence-Based Practice Conference. 3rd Annual Interprofessional Evidence-Based Practice Conference. Greater Houston Area: Sigma Theta Tau Church Crosswalk Center: STT, UTHEalth Northeast, AT, Texas Nurses’ Association, Christus TMC-UT Tyler.
Petersen, S. (2017) The PARO Robotic Pet Sea: A Treatment Modality for Symptoms of Depression and Anxiety in Dementia. the 31st SNRS Annual Conference; Addison, TX.
disturbances among nurses in China by using back-propagation neural network model. AASM & SRS, Boston, MA.

Proceedings Publications

Funded Grants
Fineout-Overholt, Ellen. Faculty and Employer Perceived Importance of Quality and Safety Competencies (FEQSC) for Newly Graduated Registered Nurses, Sigma Theta Tau International Honor Society of Nursing (June 1, 2017), USD $4,219
Rizer, Carol. Advanced Nursing Education Workforce, Health Resources & Serviced Administration (July 1, 2017), USD $1,393,800.
Rizer, Carol; P: Petersen, S.; Roberta, A.; McInnis, A.; Crisp, M.; Schlemmer, T.; Oliver, A. NTUNE: An Academic-Practice Partnership Providing Immersive Clinical Traineeships in Diverse Populations for Primary Care Nurse Practitioners. June 2017-2019; HRSA: $1.4 million
Wang, YT; Goh, C. H.; Liao, T. Wheelchair Tai Chi Ball Training Program For People With Spinal Cord Injury, PVA Education Foundation Grant, Awarded June 2017 for June 1, 2017 – May 31, 2018; $50,000.

SCHOOL OF NURSING continued

THE BEN AND MAYTEE 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, the pioneer class of 82 students was enrolled and the faculty began delivering an integrated curriculum using an innovative pedagogy that emphasizes communication, critical thinking, and teamwork. Students embraced the team-based learning method of teaching as it offered greater engagement during class and the opportunity to work in student teams to solve real-world problems.

The Fisch College of Pharmacy is housed in the award-winning W.T. Brookshire Hall which offers leading edge technology in an elegant and comfortable setting. Classrooms are specifically designed to facilitate cooperative learning as faculty facilitate discussions amongst student teams. With faculty offices, classrooms, and laboratories at the center of each floor, the building’s design encourages interactions between faculty and students which reinforces the student-focused approach to the Doctor of Pharmacy program.

Two departments are the academic components of the Fisch College of Pharmacy. The Department of Pharmaceutical Sciences, chaired by Dr. Rahmat Talukder, consists of eight faculty members with scholarship interests ranging from novel drug delivery systems to team-based learning through virtual reality. The Clinical Sciences Department is chaired by Dr. Brad Brazil and consists of 15 faculty members and continues to grow. Areas of practice specialty are varied to meet the needs of the students and patients in East Texas. Scholarship interests include clinical trials design, health literacy, antibiotic stewardship and a host of other topics.

Although a great amount of the faculty’s time and effort has been spent on establishing the College, crafting policies, and developing a creative and impactful curriculum, faculty have also been active in advance research and scholarship in the pharmaceutical and clinical sciences. In 2018, the Fisch College of Pharmacy will complete construction of over 4500 sf of new research space designed for collaborative, interprofessional research.
Journal Publications


Presentations

Cho J. (2017, August) Levofloxacin and ceftriaxone: should they be used in combination for the treatment of community-acquired pneumonia? Longview Regional Medical Center. Longview, TX.

Cho J. (2017, June) Administering antibiotics via IV push. Longview Regional Medical Center. Longview, TX.


Cho J. (2017, April) New kids on the block: Ceftolozane/tazobactam (Zerbaxa) and Ceftazidime/avibactam (Avycaz). Longview Regional Medical Center. Longview, TX.

Cho J. (2017, March) CLSI breakpoints and clinical decision-making. Longview Regional Medical Center. Longview, TX.

Cho J. (2017, March) Orrivancin (Oribactin) for the treatment of acute bacterial skin and skin structure infections. Longview Regional Medical Center. Longview, TX.

Cho J. (2017, March) Dalbavancin (Dalvance) for the treatment of acute bacterial skin and skin structure infections. Longview Regional Medical Center. Longview, TX.


Cho J. (2017, January) Techniques and implications for antimicrobial stewardship. Longview Regional Medical Center. Longview, TX.

Cho J. (2017, January) Extended infusion of antimicrobials. Longview Regional Medical Center. Longview, TX.


Cook E, Gill T, Taylor S. (2016, May) Unit equivalency of insulin glargine to insulin detemir. Midwest Pharmacy Residents Conference. Omaha, NE.


Cook E. (2016, November) Pharmacological therapy of asthma. Tulsa Technology Center. Tulsa, OK.


Parmentier B. (2017, January) Pharmacists’ Role in Substance Use Disorders. Tyler Independent School District Career and Technology Center Health Sciences Class. Tyler, TX.

Parmentier B. (2017, January) Marijuana and Synthetic Marijuana. Tyler Independent School District Career and Technology Center Health Sciences Class. Tyler, TX.


Shoair OA. (2016, October) Deprescribing Medications in Older Patients: Priorities, Challenges, and Barriers. 25th Annual Regional Education on Aging, Caregiving, and Healthcare (REACH) Conference. Longview, TX.


Yu F. (2017, May) Team-Based Learning Comes to Texas Christian University. presented to faculty and course design staff. Texas Christian University. Fort Worth, TX.

Poster Presentations

PHARMACEUTICAL SCIENCES

Journal Publications

Other

Poster Presentations

Presentations
Brunner LJ, Coyne LC, Takemoto JK, and Yu F. (2017, May) Developing Team-Based Learning, Texas Christian University, Fort Worth, TX.
Brunner LJ, Coyne LC, Takemoto JK, and Yu F. (2017, August) Beginning Team-Based Learning, Collin College, Frisco, TX.
Takemoto JK, Coyne L, Yu F, Brunner LJ. (2017, May) Team-Based Learning Comes to Texas Christian University. Texas Christian University. Fort Worth, TX.

Proceedings Publications

Funded Grants
Glavy, Joseph. Regulation of Pore Membrane Proteins during NPC Release and Dispersal in Open Mitosis, National Institutes of Health (June 1, 2017), USD $214,404.