FROM THE PRESIDENT

The faculty of The University of Texas at Tyler are the heart of this institution. Day by day in our classrooms, faculty members exhibit great passion for their work, extraordinary dedication to students, and an unending drive to excel in their fields.

As president, I never tire of sharing the outstanding accomplishments of the faculty at this university. Our faculty excel in areas both measurable and intangible. Inside this publication, the first of its kind for UT Tyler, you will find a lengthy list of recent academic accomplishments from our faculty members. It’s an impressive collection.

That list, compiled from the data entered into Faculty 180, reveals that our faculty are more dedicated than ever to becoming experts in their respective fields. Between 2010 and 2015, the number of scholarly contributions from our full-time faculty increased by 59%. Last academic year, the average number of scholarly contributions per full-time faculty member in 2014 was 2.44.

Our faculty members are writing more articles, authoring more books, presenting more papers and conducting more research than ever. In the past year, our faculty members have been Fulbright scholars, worked with high-level organizations such as NASA and the U.S. Army, and made their mark internationally through exhibits and research conducted beyond our borders. Truly our faculty are dedicated to expanding the influence of this university.

Our faculty members also make a substantial difference in this community. From 2012-2014, The University of Texas at Tyler faculty participated in more than 1,000 service activities, or an average of 3.8 contributions per faculty member. Through collaborations with food pantries, philanthropic organizations and health clinics, our faculty members have made East Texas a better place to live.

No university could exist without faculty, and I am proud of the extraordinary accomplishments of those who choose to be a part of this university.

Dr. Rodney H. Mabry
President, The University of Texas at Tyler
The College of Arts and Sciences is positioning itself to be the pre-professional school of choice for those increasing numbers of students who desire to go beyond the baccalaureate degree by pursuing a professional degree. The college has established and will continue to enhance its advisement and placement centers for our undergraduate majors interested in pursuing their studies in medical, dental, pharmacy, and law schools. We are also recruiting and mentoring those students who intend to go on to graduate level work. Many will remain here and secure an M.A. or M.S. degree in one of the humanities, social sciences, or natural science disciplines. Others have been or will be placed at institutions that provide doctoral or other terminal degree programs.

The college’s Department of Biology has become a leader in various areas of biological research. Conservation biology, in both aquatic and terrestrial eco-systems, has become a focus of several faculty members. With continuous and well-funded programs from federal and state agencies, projects focused on insects, freshwater mussels, fish, and reptiles have led to many peer-reviewed publications that frequently list outstanding students in the graduate program as co-authors. Additionally, molecular biology programs in agricultural and medical areas are also strongly supported. The department enthusiastically supports graduate research and adheres to the university mission to educate our students.

The college recently established a Center for Social Sciences Research with several initiatives. These include planning for the upcoming Texas Health Summit that will soon be scheduled with a firm date in 2016 and creating a political polling office for East Texas. The first poll was conducted during August and September 2014, and correctly anticipated the outcome of the November elections on a statewide level. Data from the polling are being utilized to assist scholarly research in political and social science discipline areas.
Creative Productions
Group Exhibition of the Finalists for The Hunting Art Prize, Houston, TX. Houston, TX: The Hunting Corp. LLC.
University Gallery, St. Paul, MN: Concordia University St. Paul.
Downtown Gallery, Kent, OH: Kent State University.

Journal Publications

Other
Robertson, L.C., guest curator, Between the states: Photographs of the American Civil War from the George Eastman House and The American Civil War's Impact on Tyler, Tyler Museum of Art, December 18, 2015-February 15, 2015.

Presentations

Reviews
DEPARTMENT OF BIOLOGY

Creative Productions

Journal Publications


**Poster Presentations**


**Invited Speaker**


DEPARTMENT OF BIOLOGY (continued)


Proceedings Publications


DEPARTMENT OF BIOLOGY (continued)


Other


Reviews


Funded Grants

Banta, Joshua. A Texas Golden Gladecress-based analysis of Weches Glades in San Augustine and Sabine Counties, Texas, Texas Parks & Wildlife (January 13, 2015), $18,583.00

Bextine, Blake. Insect-transmitted bacterial pathogen in tobacco, ALTRIA (September 4, 2014), $ 27,000.00

Bextine, Blake. Improved candidatus liberibacter solanacearm dectection in plants and insects, Texas A&M University (January 1, 2014), $ 19,000.00

Bextine, Blake. Assessing movement and insecticide resistance in potato psyllid populations, Texas A&M University (January 1, 2014), $ 31,000.00


Ford, Neil. Surveys of freshwater mussels in 9 units of the Big Thicket Preserve, Thicket of Diversity (April 16, 2014), $ 13,074.00

Ford, Neil. Cost effective mitigation strategy for state-listed freshwater mussels, Texas A&M University (February 2, 2015), $ 19,538.00

Kambhampati, Srinivasa. Purchase of a RT-PCR High Throughput Machine, United States Department of Agriculture (February 1, 2014), $ 49,265.00

Kellner, Katrin. Evolution of adaptive synergism between mutualistic partners during range-limit evolution, National Science Foundation (May 1, 2014), $ 68,921.00

Koukl, James. Joint Admission Medical Program FY 15, The University of Texas System (September 2, 2014), $ 12,417.00


Williams, Lance. Fort Polk Biomonitoring 2015, Quantitative Ecological Services (December 15, 2015), $ 25,000.00

Williams, Lance. Ecological niche molding and field surveys for the Kisatchie Painted Crayfish, Texas Parks & Wildlife (February 21, 2014), $ 25,920.00
DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

Creative Productions

Journal Publications

Poster Presentations

Funded Grants
Gray, Neal. Chemistry Research FY 15, *The Welch Foundation* (June 1, 2014), $ 36,181.30
DEPARTMENT OF COMMUNICATION

Chapters

Journal Publications

Presentations
Books

Chapters

Creative Productions

Journal Publications

Other

Presentations
is an n-chain in \( A \) and \( \partial(\partial c) = 0 \).

\[
\omega_{\alpha}(x) = \int_{\mathbb{R}^n} (x', \ldots, x^n) \frac{\partial^n}{\partial x'_{\alpha} \cdots \partial x^n_{\alpha}} f(x', \ldots, x^n)
\]

\[
\begin{align*}
\int_{\Omega} \omega_{\alpha} &= \sum_{\alpha = 1}^{n} \left( \sum_{k=1}^{n} (-1)^{k+1} C_{\alpha}^{k} \right) \\
&= \sum_{\alpha = 1}^{n} (-1)^{n+1} C_{\alpha}^{n} C(x_{\alpha}, \ldots, x-n_{\alpha})
\end{align*}
\]

What is \( C \)?

\( C : \mathbb{R}^n \rightarrow A \)

\( I \subseteq C(-,.) \)}
**DEPARTMENT OF MATHEMATICS**

**Journal Publications**

**Presentations**

**Funded Grants**
Milan, David. REU 2014-2017, *National Science Foundation* (June 1, 2014), $85,003.00
Smith, Nathan. Improving Teacher Quality Math/Science FY 13-14, *Texas Higher Education Coordinating Board* (February 2, 2014), $300,000.00

**SCHOOL OF PERFORMING ARTS**

**Creative Performances**
Books

Chapters

Presentations

Reviews
DEPARTMENT OF SOCIAL SCIENCES

Chapters

Journal Publications

Poster Presentations

Presentations

Proceedings Publications
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 2014 enrollment exceeded 2150 students, 1300 undergraduate and certification students and almost 850 of which are graduate students. Many of these students are involved with faculty in research projects which benefit area businesses.

In addition to the teaching and directing of student research projects, eighty-seven percent of the tenure-track faculty had a scholarly activity in the 2013-14 academic year. CBT faculty members published 125 peer-reviewed articles and presented 72 papers at academic conferences. There were three books authored and 11 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 and Fox Business Stuart Varney server as the keynote speaker for the event. The Center for Retail Enterprises (CRE) hosted a Retail Summit in February that included a moderated panel of experts in retailing from across the country. The CRE was also awarded a grant by the Texas Retail Association to expand the educational opportunities of UT Tyler students. The Center for Family & Small Enterprises hosted a Small Business Boot Camp in the fall, where five experts were brought in over five consecutive weeks to better educate East Texas small business owners. The Texas Productivity Center has merged with the East Texas Lean Consortium to expand the scope and the educational opportunities of that center.
FACULTY TO BE RECOGNIZED IN CBT FOR 2014 SCHOLARLY PRODUCTIVITY

Dr. Marina Astakhova received her Ph.D. in Organizational Behavior and Research Methods from Kent State University in 2012. Dr. Astakhova’s primary research explores person-environment fit, work passion and organizational sustainability. Over the course of less than three years since her receipt of the Ph.D. degree, Dr. Astakhova has already published 13 articles (1 sole-authored article), 2 book chapters, 3 conference proceedings and made over 20 presentations in top leading conferences in the areas of Management and Industrial and Organizational Psychology. Her research has been published in Human Relations, Journal of Business Research, Journal of Business and Psychology, Journal of Business Ethics, Journal of Managerial Psychology and others. Two of her manuscripts were published in 2013 and 2015 Best Paper Proceedings of the Academy of Management and one manuscript received Best Poster award (2014) from the Society for Industrial and Organizational Psychology. She also published two book chapters on heavy work investment and organizational sustainability. The book Green Organizations: Driving Change with I-O Psychology, in which she had an invited chapter publication, became the winner of the Academy of Management Organizations and the Natural Environments Division’s 2014 Book Award. Dr. Astakhova’s work in-progress includes research that examines cross-cultural differences in the effects of employee fit with different aspect of the organizational environment (e.g., organization, job, or team) in U.S., Chinese, Japanese and Brazilian organizations. Additionally, Dr. Astakhova is interested in cross-disciplinary research that incorporates the knowledge from the organizational behavior field and complex mathematical modeling via agent based-simulation. Dr. Astakhova actively participates in mentoring graduate students and serves on Ph.D. dissertation committees.

Dr. Andrea D. Ellinger, Ph.D., PHR is a Professor in the Department of Human Resource Development in the College of Business and Technology at The University of Texas at Tyler and Editor of Human Resource Development Quarterly. Dr. Ellinger holds a Ph.D. in Adult Education from The University of Georgia. Previously she was Assistant Professor of Adult Education and Doctoral Program Coordinator at The Pennsylvania State University-Harrisburg and Associate Professor in the Department of Human Resource Education at the University of Illinois at Urbana-Champaign. Dr. Ellinger was the recipient of the 1998 Malcolm S. Knowles Dissertation of the Year and the 2003 and 2005 Richard A. Swanson Research Excellence Award. She has also received 7 best paper awards recognizing her research. Dr. Ellinger was awarded a Cyril O. Houle Fellowship funded by The Kellogg Foundation for her research on informal workplace learning. Dr. Ellinger has received numerous awards in recognition of her service, teaching, and research. At the University of Illinois, she received the 2006 College of Education Outstanding Award for Service, and the 2008 Campus Award for Excellence in Off-Campus Teaching. Dr. Ellinger was the recipient of the 2009 Emerald Literati 2009 Network Award for Excellence, Outstanding Paper Award for her research on managerial coaching, and the 2012 College of Business and Technology Faculty Award for Research at The University of Texas. The Outstanding HRD Scholar Award for 2012 from the Academy of Human Resource Development was presented to Dr. Ellinger in recognition of her scholarly contributions, research impact, and service to the field of human resource development. She also received the outstanding reviewer award from the Journal of Workplace Learning in 2012. Dr. Ellinger’s internationally recognized research on informal learning, organizational learning, managerial coaching, the learning organization concept, and employee engagement is published in Human Resource Development Quarterly, Management Learning, The Journal of Business Research, The Journal of Management Development, The Journal of Business Logistics, Journal of Workplace Learning, The International Journal of Manpower, European Journal of Training and Development, Management Decision among others. During the past year, Dr. Ellinger is credited with 4 refereed journal articles, 1 co-edited special issue, 2 editorials, 2 book chapters, 7 proceedings and 10 conference papers.
DEPARTMENT OF COMPUTER SCIENCE

Journal Publications

Presentations

Proceedings Publications

Funded Grants
Subramanian, Narayanan. Provide subject matter expertise on Phoenix Software, PRAESES, LLC (August 26, 2014), $ 20,000.00
Chapters

Journal Publications

Other
Presentations
Adele, B., & Ellinger, A. (2014, Spring). Developing managers through reverse coaching, mentoring, and feedback interventions. AHRD.

Proceedings Publications
Adele, B., & Ellinger, A. (2014). Developing managers through reverse coaching, mentoring, and feedback interventions. In AHRD.

Funded Grants
Roberts, Paul. Principles of Technology Online Training FY 2014-2015, Texas Education Agency (September 1, 2014), $ 50,000.00
Journal Publications


Presentations


Fischer, M. (2014, November). Beyond Basic Accounting for Colleges and Universities. WACUBO Workshop. Austin, TX: WACUBO.


Fischer, M. (2014, October). Public and Independent College and University AFR. SACUBO Fall Workshop. Tampa, FL: SACUBO.


DEPARTMENT OF FINANCE AND ACCOUNTING (continued)


**Proceedings Publications**


DEPARTMENT OF MANAGEMENT AND MARKETING

Chapters


Journal Publications


**Other**


Young, Marilyn(PI). Labor Market Analysis (2014), *Tyler Economic Development Council (TEDC)*.

**Presentations**


**Proceedings Publications**


James, K., & Parker, J. (2014). HootSuite University: Integrating Industry Resources into Social Media and Promotions Course. In *Marketing and Management Association (MMA)*.

DEPARTMENT OF TECHNOLOGY

Books

Journal Publications

Presentations

Proceeding Publications
The College of Education and Psychology has a history of service projects, grant obtainment, and research that positively impact society and specifically the East Texas community. During the 2014-2015 academic year, this can be seen in three different initiatives. First, the Department of Psychology and Counseling, continuing its excellence after obtaining initial accreditation through the Council for Accreditation of Counseling & Related Educational Programs (CACREP), opened a center to identify and treat Alzheimer’s patients. The Memory Assessment and Research Center (MARC) will collaborate with the Alzheimer’s Alliance of Smith County to provide important services to the citizens of Tyler and surrounding areas. These services will not only be of benefit to the individual patients, but it will be the foundation for significant new findings in Alzheimer’s research.

Second, Drs. Julie Delello and Rochell McWhorter have provided weekly, one-on-one and small group iPad technology training to individuals residing in four independent senior apartments. The research specifically explored whether the use of iPads would increase knowledge, elicit closer family ties, decrease loneliness, and provide a greater overall connection to society for the seniors. As part of a service-learning endeavor, UT Tyler nursing students assisted with the trainings. Furthermore, in conjunction with Dr. Robert Stevens’s history students, digital memoirs were created in order for the older adults to leave a legacy of their life for future generations.

Third, the international impact in the college includes the work of Dr. Teresa Kennedy, who was a 2014 Fulbright recipient. As part of her work, Dr. Kennedy provided support and training for the professional development of in-service and pre-service teachers to advance Science, Technology, Engineering, and Math (STEM) programs in Argentina. The College of Education and Psychology faculty are committed to making a difference in society through our research and scholarship endeavors.
DEPARTMENT OF EDUCATIONAL LEADERSHIP

Books

Chapters

Journal Publications

Presentations
DEPARTMENT OF PSYCHOLOGY AND COUNSELING

Chapter

Journal Publications
Other

Poster Presentations


Presentations


Books

Chapters

Journal Publications

Poster Presentations

Presentations


**Funded Grants**

Odell, Michael. Texas Teacher Residency Program: An apprenticeship model for Texas, Texas A&M University (February 17, 2014), $ 422,760.00

Odell, Michael. Texas 21st Century Community Learning Centers, Cycle 7, Year 4, Texas Education Agency (August 1, 2014), $ 1,751,581.00

Odell, Michael. Texas 21st Century Community Learning Centers, Cycle 8, Year 2, Texas Education Agency (August 1, 2014), $ 2,200,000.00

Odell, Michael. Texas Science, Technology, Engineering and Math Grant, Cycle 2, Texas Education Agency (September 1, 2014), $ 576,985.00

Odell, Michael. Career and Technical Education Statewide Leadership Projects - Project Lead the Way, Texas Education Agency (September 17, 2014), $ 175,000.00

Odell, Michael. GEAR-UP 2014, The University of Texas at Austin (May 1, 2014), $ 160,012.00

Sherman, Cynthia. Texas Regional Collaborative Math FY 14-15, The University of Texas at Austin (November 3, 2014), $ 96,000.00

**SCHOOL OF EDUCATION (cont.)**
This has been an exciting year for the College of Engineering. There have been significant accomplishments on many fronts. First, enrollments have grown significantly during the past two years with nearly a 20 percent increase each year. The students now number over 740, with over 100 of those students being graduate students. The students hail from 63 Texas counties, 11 states, and 31 foreign countries. Upon graduation, the salaries they receive are among the highest in the UT System. This year the engineering programs were reviewed for reaccreditation by ABET. So far everything looks good for reaccreditation of our degree programs. The final statement will be issued in late July.

A significant effort of the college this year has been continued development of the Houston Engineering Center. The Center was established by the College in 2013 with help from Houston Community College to provide a cost-effective pathway for students in Houston who begin their engineering study at one of the many excellent community colleges in the region.

**DR. MICHAEL MCGINNIS**

Dr. McGinnis’s research focuses on STEM education. She specializes in strategies and practices to increase the number of students that enter the STEM pipeline with a focus on developing future engineers. To support this research focus, she has received funding from the Texas Higher Education Coordinating Board (THECB), Texas Education Agency (TEA), and the National Science Foundation (NSF). Funding from the THECB and TEA has focused on providing training to in-service teachers in the content areas of physics and energy, presentation methods of the content, instructional practices that motivate students’ learning of science and engineering. Funding from NSF has provided scholarship support to pre-service teachers who commit to teach in STEM fields in high needs schools in support of the UT Tyler UTeach program. Through relationships that have been created through the interactions with K-12 education leaders and university academics in the P-16 community, she has been able to leverage these research efforts to develop promising practices in STEM education. She has published numerous referred publications in the areas of attracting and retaining underrepresented groups in STEM, improving delivery methods in the engineering classroom, and building P-16 Engineering Collaboratives.

**DR. FREDERICKA BROWN:**

Dr. Brown’s research focuses on STEM education. She specializes in strategies and practices to increase the number of students that enter the STEM pipeline with a focus on developing future engineers. To support this research focus, she has received funding from the Texas Higher Education Coordinating Board (THECB), Texas Education Agency (TEA), and the National Science Foundation (NSF). Funding from the THECB and TEA has focused on providing training to in-service teachers in the content areas of physics and energy, presentation methods of the content, instructional practices that motivate students’ learning of science and engineering. Funding from NSF has provided scholarship support to pre-service teachers who commit to teach in STEM fields in high needs schools in support of the UT Tyler UTeach program. Through relationships that have been created through the interactions with K-12 education leaders and university academics in the P-16 community, she has been able to leverage these research efforts to develop promising practices in STEM education. She has published numerous referred publications in the areas of attracting and retaining underrepresented groups in STEM, improving delivery methods in the engineering classroom, and building P-16 Engineering Collaboratives.

**THE UNIVERSITY OF TEXAS AT TYLER**

**COLLEGE OF ENGINEERING**

Enrollments in Houston this spring numbered 161. Over half of the students studying in Houston are minorities. About twenty-five of the first students who studied only in Houston graduated this May with baccalaureate engineering degrees. Many of these students said that they would not have been able to become an engineer if it were not for UT Tyler. Offering courses in Houston leading to a degree was a natural extension for the college as UT Tyler has always been a “transfer friendly” university.

Faculty in the college continue to develop their research activities, many of these being in collaboration with other colleges on campus. Faculty continue to develop means for energy efficiency and to improve indoor air quality through TxAIRE. A significant area of external funding is the programs conducted by Dr. Fredericka Brown on STEM education and preparing successful STEM graduates. Dr. Michael McGinnis continues his experimental research program in constructed facilities. They have published several papers in national and international forums.
**DEPARTMENT OF CIVIL ENGINEERING**

**Journal Publications**

**Proceedings Publications**

**Funded Grants**
McGinnis, Michael. Feasibility analysis of ultra-high performance concrete - Phase II, *New Mexico Department of Transportation* (February 11, 2014), $ 11,986.00

**DEPARTMENT OF ELECTRICAL ENGINEERING**

**Journal Publications**

**Proceedings Publications**

**Presentations**
DEPARTMENT OF MECHANICAL ENGINEERING

Books

Poster Presentations

Proceedings Publications

Funded Grants
Brown, Fredricka. Texas Regional Collaborative Science FY 14-15, The University of Texas at Austin (May 1, 2014), $ 158,000.00
The University of Texas at Tyler College of Nursing & Health Sciences (CNHS) houses the School of Nursing (SON) and the Department of Health and Kinesiology (H&K). The SON was originally conceived as the Department of Nursing in 1975 on the campus of Texas Eastern University in response to local and regional needs for baccalaureate prepared nurses in East Texas. Since then the SON has expanded to include Palestine and Longview campuses, as well as an RN-BSN track, a Master's of Science and PhD degree programs. The School of Nursing paved the way for distance and online education for the university. The RN-BSN, MSN and PhD programs are currently online. The H&K department began as the Physical Education Department in 1974, and the institution at that time was called Tyler State College. A year later the department was moved from its original home at Roberts Junior High School to a former Safeway store at what had then become Texas Eastern University. In January of 1977, the PHE Building was completed and a 2 year-degree thesis required program (Clinical Exercise Physiology) was begun. This was the first such program in the United States, attracting students from all part of the United States, i.e., Alaska, Ohio, Michigan, Massachusetts, and many students from Texas, Oklahoma, and Louisiana stayed to complete their masters' degree. For over 20 years this was the largest program in the Health and Kinesiology Department. In the fall of the 1980, Texas Eastern University became part of the University of Texas System that is now known as The University of Texas at Tyler. The CNHS has steadily experienced growth over the past years as evidenced by an enrollment for Spring 2015 of 520 H&K students (477 undergraduate and 43 graduate), and 1,154 students in the SON (744 undergraduate, 410 graduate students that include 59 PhD students). Under the new leadership of Dr. Yong Tai Wang, the CNHS established the Institute for Integrated Healthcare in the spring of 2015 to promote health-related research. The Institute has already facilitated scholarly collaboration among H&K and SON faculty for research activities that will have regional, national and global implications. The CNHS faculty are also credited for nationally and internationally innovative programs. For example, the SON graduate program was ranked by the US News & World Report as ninth in the nation in 2014.
DR. BARBARA HAAS, David G. Braithwaite Professor in Nursing, received her PhD in Nursing at The University of Texas at Austin in 2001. Dr. Haas has been with the College of Nursing since 1992 and has served as the Associate Dean of the graduate program since 2012. With a clinical background in oncology, Dr. Haas's research is focused on health promotion to improve quality of life (QOL) for persons with cancer. Her early work in quality of life has been widely cited internationally and her QOL model has been adopted by several researchers. Since 2001, Dr. Haas has also served as the Research Director and a Board Member of the not-for-profit organization, Cancer Foundation for Life (CFFL). Over the past 14 years, the CFFL organization has expanded throughout northeast Texas and into Arizona to enhance the QOL for thousands of persons with cancer through its community based exercise program. Throughout this partnership, Dr. Haas and her colleagues from CFFL and UT Tyler have examined the effect of exercise on quality of life for persons with cancer. Specific quality of life outcomes studied include cancer-related fatigue, weight gain, pain, and peripheral neuropathy. The research conducted by Dr. Haas and her team has drawn national attention and has helped pave the way for changing the standard of care for persons with cancer. The research team is currently studying whether exercising on the day chemotherapy is delivered will decrease side effects of chemotherapy and enable patients to receive their full prescribed dose in a timely manner. They also have a pilot study underway that examines targeted exercise for chemotherapy-induced peripheral neuropathy. As the lead researcher, as a mentor to students and junior faculty, and as a collaborator with other scholars in academia and the community, Dr. Haas is credited with 7 publications, 4 presentations and 2 foundation grant awards during 2014.

DR. MELINDA HERMANNS, Associate Professor of Nursing, received her PhD from The University of Texas Health Science Center at Houston and has been with the College of Nursing since 2000. Dr. Hermanns has been devoted to disseminating knowledge through the scholarship of discovery/research. She is passionate about studying chronic illness and nursing education. She has two distinct programs of research: chronic illness with a focus on Parkinson’s disease and cancer and nursing education, specifically the application of caring and simulation within the learning environment. This area of scholarship affords her the opportunity to use research to improve professional nursing practice, teaching and service. Dr. Hermanns’ work and dissemination of evidence-based interventions that have been shown to improve quality of life for persons and families with chronic illness, has been recognized at the local and national level, having a significant impact on the local and national community as well as society at large. Additionally, her research trajectory has had a significant impact on health and well-being, beginning with her dissertation that focused on the illness experience of persons with Parkinson’s disease. As sole and collaborating author, Dr. Hermanns has published 4 scholarly articles, conducted 7 national and regional presentations, and received 2 grants during 2014.

DR. X. NEIL DONG, Associate Professor of Health and Kinesiology, has been with the Department of Health & Kinesiology since Fall 2010, and holds a master of science in engineering mechanics from Tsinghua University in China and a Ph.D. in mechanical engineering from Columbia University. His research program involves the application of basic biomechanics knowledge to solve real-life problems and to improve the quality of life for those with chronic musculoskeletal diseases. Dr. Dong is currently working on a federally funded research project from the National Institutes of Health to develop an economical and efficient technique to improve the prediction of fracture risks of human spines. This technique uses a simple, routinely acquired DXA scan to identify people at high risk of spine fractures based on the measurement of both bone mineral density and its distribution. Dr. Dong is in the process of applying for a patent and obtaining additional funding for this research project. He is collaborating with Dr. Mukul Shivaikar from Electrical Engineering, Dr. Joyce Ballard and Dr. David Di Paolo from Health and Kinesiology, and Dr. Amy Tvinernirem and Dr. Steven Idell from UT Health Northeast. Dr. Dong has published two scholarly articles and conducted three national presentations, and awarded one federal grant and continued to work another funded federal grant during 2014.

DR. BENJAMIN TSENG, Assistant Professor and Graduate Research Faculty with the Department of Health & Kinesiology, received his PhD in Rehabilitation Science and Neuroscience from the University of Kansas Medical Center and has been with the Department of Health & Kinesiology since Fall 2014. He oversees the university’s Laboratory of Brain Aging and Neuromotor Behavior. Prior to joining UT Tyler, he spent five years at the Institute for Exercise and Environmental Medicine, a world-renowned human physiology research institution that is part of the University of Texas Southwestern Medical Center in Dallas TX with special focus in integrative physiology and space medicine. Dr. Tseng has a strong background in clinical research with unique abilities in several disciplines including neuroscience, exercise physiology, MRI/neuroimaging, and motor control & learning. His previous work on aerobic training and preservation of brain tissue gained nationwide attention in 2011 and provided a foundation for conducting a current study to enhance Alzheimer’s disease research that investigates motor deficits and gait abnormalities as potential early markers in patients with Mild Cognitive Impairment, an early stage of Alzheimer’s disease. His work has recently gain media attention and is well recognized by the scientific community as demonstrated by his podium presentation at the Alzheimer’s Association International Conference in Vancouver, BC and peer-reviewed publication in Current Alzheimer Research in 2013 and 2014, respectively. His most recent publications during 2014 were in high-impact peer reviewed journals such as Current Alzheimer Research and Neuroimage. He was invited to co-author an editorial commentary regarding the use of a novel imaging method to predict stroke outcomes in Neurology, a highly reputable clinical journal. Dr. Tseng was also the recipient of the 2013 American Heart Association Postdoctoral Fellowship, a highly competitive 2-year research grant. These are exceptional accomplishments for an early-career investigator. Dr. Tseng was awarded another research grant entitled “Reduction in Arterial Stiffness and White Matter Burden Reduces Stroke Risk in Patients with Atrial Fibrillation” from the American Heart Association in 2015. These are exceptional accomplishments for an early-career investigator.
Chapters


Journal Publications


Poster Presentations


Presentations


**SCHOOL OF NURSING**

**Chapters**

**Creative Productions**

**Journal Publications**


**Others**


**Poster Presentations**

Mastel-Smith, B. (2014, Autumn). “In this group, I’m not different” National Gerontological Nursing Association Convention. San Antonio, TX.


Deal, B., & Post, J. (0, October 16). Active Learning and Technology Immersion: Jumping in with Both Feet. Assessment Strategies... Celebrating Practices Which Enhance Student Learning, Accountability and Evaluation. Galveston, Cozumel: HFenton & Associates LLC.


Greer, D., & Marzilli, C. (2014, September). Comparison of Alcohol-Based Sanitizers Versus Personal Protective Equipment on the Incidence of Hospital-associated Infections. 1st Annual Interprofessional Evidence-Based Practice Conference. The Cowan Center at The University of Texas at Tyler: Trinity Mother Frances in conjunction with The University of Texas at Tyler.

**Presentations**


He, Z., Post, J., & Deal, B. (2014, October). Using Evidence-Based Table (EBT) as a Learning/Teaching Strategy to Promote Critical Thinking for Nursing Graduate Students. The Center for Teaching and Excellent & Innovation's Faculty Development Workshop. The University of Texas at Tyler: The Center for Teaching and Excellent & Innovation


**Funded Grants**

Marzilli, Scott. Transforming Texas - Community transformation, Northeast Texas Public Health Department (February 1, 2014), $22,669.00.