

## Center Highlights 2016

### 1. Center for Membrane Protein Research (2008)

- a. Over \$8 million in current external funding.
- b. Published over 40 peer-reviewed papers from November 2015 to November 2016.
- c. 17 members from 8 departments in 2 schools.
- d. Mentoring Program, and very successful Annual Meeting.
- e. Involvement and training of medical students, graduate students (PhD, MD/PhD and Masters students) and undergraduate students.
- f. Website: <http://www.ttuhschool.edu/cmpr/default.aspx>

### 2. TTUHSC School of Medicine Cancer Center (2008)

- a. From 2014-2016, published 90 peer-reviewed papers and received almost \$28 million in external funding.
- b. 26 faculty members from basic and clinical departments across TTUHSC.
- c. The center has sponsored 5 active FDA IND's, developed 7 phase I and II active oncology clinical trials, and in 2014-2016 banked over 1300 cancer specimens.
- d. Established several grant-funded national resource labs, involved medical students and graduate students in clinical and translational research
- e. Formed a company (CerRx) to perform clinical trials using drugs developed by members of the Cancer Center.
- f. Website: <http://cancer.ttuhschool.edu>

### 3. Center for Ethics, Humanities & Spirituality (2010)

- a. Excellent resource for student, faculty and the community for education in ethics and humanities.
- b. Offer a four-year Certificate Program in Medical Humanities and Ethics. Over seventy students are enrolled in the program. Sixteen students have graduated from the program.
- c. Seminars on Ethics, Humanities and Spirituality are offered throughout the year. Ethics and Humanities are being incorporated into the medical school curriculum.
- d. Website: <http://www.ttuhschool.edu/som/centerforethics/default.aspx>

### 4. Breast Center of Excellence (2010)

- a. Received accreditation by the National Accreditation Program Breast Centers (NAPBC) in 2010. Received re-accreditation from the NAPBC in 2013.
- b. In 2013 an Interdisciplinary Breast Fellowship Program with accreditation from the Society of Surgical Oncology was created. Four fellows have graduated from this program. In 2016, the program added an optional year with MPH program.
- c. Awarded over \$3 million from CPRIT for access to breast and cervical care. As a result, expanded services to include cervix cancer, and developing a program director's guide and lay training curriculum for Texas. Received \$300,000 grant from CPRIT in 2016 for development of dissemination products on establishing a screening program that can be replicated in other parts of Texas.
- d. The center has expanded to Lubbock in collaboration with the Southwest Cancer Center.

- e. Dr. Rahman led the task force to develop procedural guidelines for the American Society for Breast Surgeons.
- f. Website: <http://www.ttuhschool.edu/bce/>

**5. Center for Tropical Medicine and Infectious Diseases (2011)**

- a. Significant funding from the Bill and Melinda Gates Foundation and NIH/SBIR program.
- b. President's Collaborative Research Initiative Award (Drs. Siddiqui and Nes).
- c. Current total awards to center members over \$10 million.
- d. 34 publications and 2 patents
- e. Website: <http://www.ttuhschool.edu/tropicalmedicine/>

**6. TTUHSC Surgery Burn Center of Research Excellence (2013)**

- a. Investigators who are members of the center have 8 grants totaling approximately \$1.4 million from NIH, CH Foundation, TTUHSC SOM, Army research office, CHD Bioscience and LWBIWH. This includes three collaborative research grants involving at least two members of the center.
- b. Published over 19 papers in 2014-2015. Medical students, graduate students and residents were included in publications and presentations.
- c. Website: <http://www.ttuhschool.edu/som/surgery/research/burn.aspx>

**7. Center of Excellence for Translational Neuroscience and Therapeutics (2015)**

- a. New center with new Chair of the Department of Pharmacology and Neuroscience, Dr. Neugebauer, as Director.
- b. 29 faculty members from basic science and clinical departments at TTUHSC (Lubbock, Permian Basin, Abilene), and TTU. Several newly recruited faculty as members, Drs. Benamar, Guindon, Karamyshev, Lawrence, Reddy.
- c. Developed seminar series, regular meetings, and annual symposium (120 attendees, 50 poster presentations, key note speaker).
- d. Developed and supported with seed funds several collaborative projects (16 collaborative publications, 16 grant applications, 8 funded).
- e. Neurophysiology Core with Multiphoton Imaging System.
- f. Website: <http://www.ttuhschool.edu/ctnt/>

**8. Center of Excellence in Clinical Simulation Education and Research SimCentral (2015)**

- a. The Director is a Certified Healthcare Simulation Educator.
- b. SimCentral was first created in 2009 and has been used by 35,161 individuals with a total of 147,020 contact hours.
- c. Construction has begun on a new SimCentral facility with expected completion in 2017.
- d. Center includes a Mobile Simulation Lab or Mobile Sim.
- e. Website: <http://www.sim-central.com>

**9. Center for Super Heroes (2016)**

- a. Only center in West Texas and Eastern New Mexico to provide services for victims of childhood trauma.
- b. Recognized as a National Child Traumatic Stress Network Affiliate.
- c. Funding from MEDCARES and Forensic Assessment Center Network.

d. Able to provide direct services for children and adolescents with PTSD and/or disruptive behavior problems using scientifically supported treatments such as Trauma-Focused CBT and Parent Child Interaction Therapy.

e. Only center in a 300 mile radius that can provide treatment of problematic sexual behaviors in children ages 3 to 18.

f. One of only centers in a 300 mile radius that can provide evaluations that can simultaneously assess Autism Spectrum Disorders and Traumatic Stress in foster children.

g. Training site for Trauma-Focused CBT Certification (next closest geographic site is Laredo or Oklahoma City).

**10. Diabetes and Endocrinology Center of Excellence in the Permian Basin (2016)**

a. New Center approved December 2016