



# Beyond BORDERS

2011-2012 Annual Report



TEXAS TECH UNIVERSITY  
HEALTH SCIENCES CENTER™  
Paul L. Foster School of Medicine



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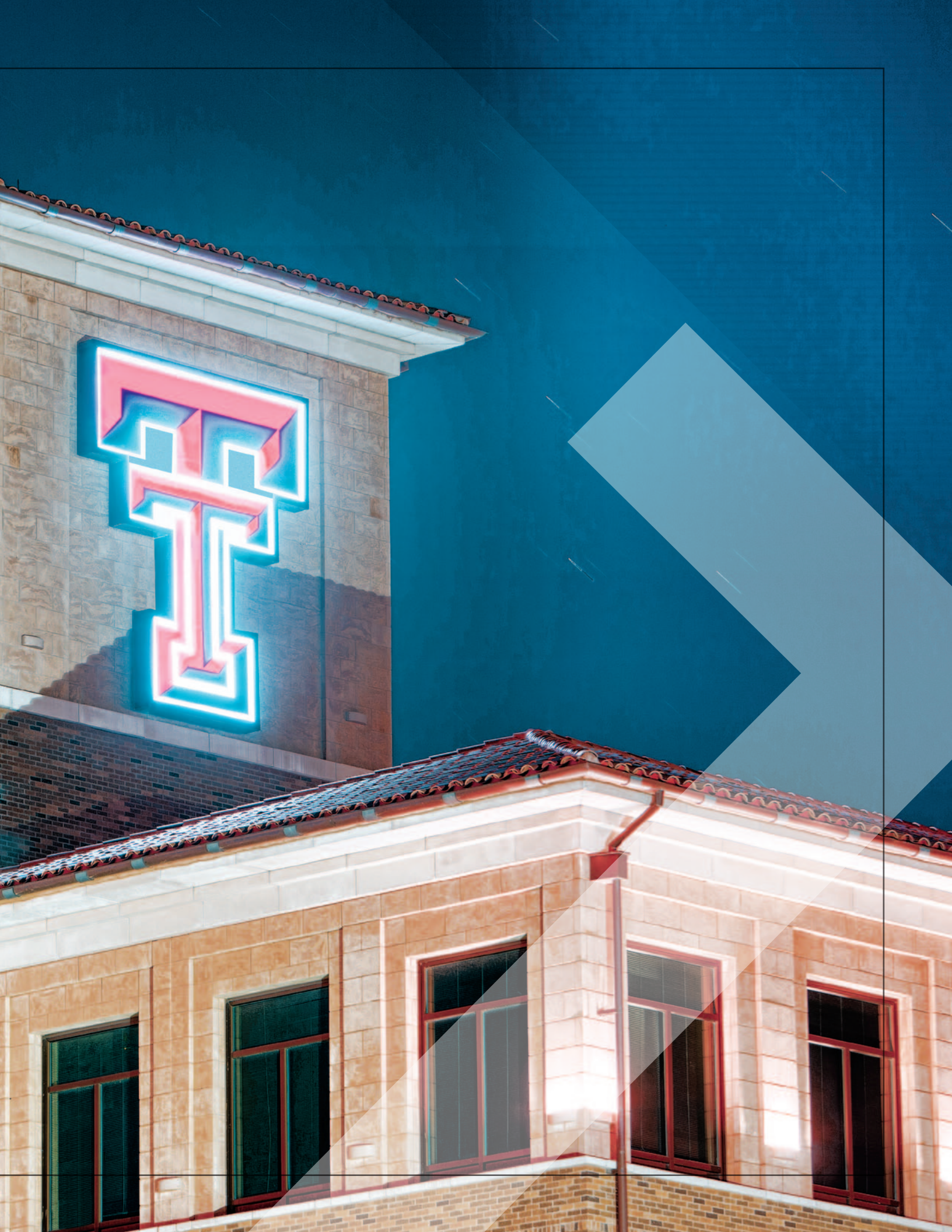
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# Leadership

INTRODUCTION



## FOUNDING DEAN'S MESSAGE

We have all four classes of the Paul L. Foster School of Medicine in session, and our patient care opportunities have been enhanced by successfully recruiting much-needed specialists to the El Paso Children's Hospital, University Medical Center and the region. We are also on a mission to incorporate successful private practice groups, like Southwest Endocrine Associates, by bringing them on board as part of Texas Tech Physicians to continue providing quality care to El Paso for generations to come. Not only has TTUHSC been a leader in patient care for more than 40 years, but the institution continues to play a key role in education by striving to enhance effectiveness and outcomes through unique methods of teaching. We embrace the diversity of our programs and the approach in which

>>It has been an exciting year at the Paul L. Foster School of Medicine at El Paso. The school is bustling.

we present them. Our educational mission crosses interdisciplinary borders thanks to the unique faculty and student population that make up the Paul L. Foster School of Medicine. On campus, student growth has brought a collegiate atmosphere to a once industrialized neighborhood. The four-year medical school was recently accredited by the Liaison Committee on Medical Education with six commendations. And with the graduation of our inaugural class in the summer of 2013, our school will meet its final requirement for full accreditation. Our research programs continue to flourish by achieving funding for border research. I invite you to read on to see the exciting work going on here at the Paul L. Foster School of Medicine.

**Jose Manuel de la Rosa, M.D.**

TTUHSC Vice President Health Affairs and  
Founding Dean Paul L. Foster School of Medicine



## CHANCELLOR'S MESSAGE

LEADERSHIP



>>Our vision of a freestanding university in El Paso became a reality during the 83rd Texas Legislative Session.

Signed on May 18, 2013, by Gov. Rick Perry, Senate Bill 120 established Texas Tech University Health Sciences Center (TTUHSC) at El Paso as a stand-alone and fourth institution in the Texas Tech University System.

Over the years, TTUHSC at El Paso has risen to the challenge of becoming a comprehensive health sciences university through excellence and continued growth in West Texas. Led by the Paul L. Foster School of Medicine, our progress in El Paso has been tremendous and was strengthened after graduating the medical school's first class at our commencement ceremony in May.

I am grateful to our Board of Regents, the El Paso community, and the staff and faculty at TTUHSC at El Paso for their unwavering dedication to the success of our campus. We all look forward to this exciting chapter.

**Kent R. Hance**

Texas Tech University System Chancellor





**PRESIDENT'S MESSAGE**

>>I would like to congratulate the faculty of the Paul L. Foster School of Medicine who diligently satisfied the requirements of the Liaison Committee on Medical Education.

The school is now accredited and graduated its inaugural class in May. Aside from this great milestone, the school continues to be a model for innovative teaching, high-quality patient care and novel border health research. With this momentum, the school is poised for greatness and a reputation of excellence in West Texas.



**Tedd L. Mitchell, M.D.**

TTUHSC President

**ASSOCIATE DEANS**

LEADERSHIP



**Hoi Ho, M.D.**

Associate Academic Dean for Faculty Affairs and Development



**Kathryn Horn, M.D.**

Associate Dean for Student Affairs



**Michael Romano, M.D.**

Associate Dean for Clinical Affairs



**Manuel Schydlower, M.D.**

Associate Dean for Admissions and Recruitment



**Armando Meza, M.D.**

Associate Dean for Graduate Medical Education



**Charles C. Miller III, Ph.D.**

Associate Dean for Research  
and Associate Dean for the Graduate School of Biomedical Sciences



**David J. Steele, Ph.D.**

Senior Associate Dean for Medical Education  
and Director for the Office of Curriculum, Evaluation and Accreditation



**Frank Stout**

Associate Dean for Finance and Administration  
and Assistant Vice President for Fiscal Affairs



# Education

INTRODUCTION



## **PAUL L. FOSTER SCHOOL OF MEDICINE**

The diverse setting of the Paul L. Foster School of Medicine provides powerful opportunities for students to receive intense educational experiences that surpass any classroom setting. The Paso del Norte region is not only historically rich, but its venue provides insight into the vastly connected cultures that populate both sides of the Rio Grande. Through the study of medicine, students decipher correlations between the environment in which disease develops and thrives, and how quickly it can transfer, in some instances, through the imaginary border that separates two countries. The curriculum provided to these students compliments the complexity of the setting in which they train.

### **CURRICULUM**

The school's nontraditional curriculum integrates basic science instruction across disciplines in the context of organ systems. The school also incorporates an approach to clinical reasoning and problem solving from the first day of class. This is accomplished by exposing medical students to more than 100 standardized patients with ailments including abdominal pain and sore throat, and providing them instruction on how experienced physicians approach these illnesses. Standardized patients are people trained to act out the medical histories and symptoms of given conditions. The rationale for this approach is that learning is facilitated and enhanced by application.

The school's integrated approach to teaching and learning foundational biomedical sciences is reinforced by our approach to teaching basic physician skills. Students learn how to take focused

medical histories and perform appropriate physical examinations on patients with clinical presentations addressed in the curriculum. These skills are mastered in an extensive simulation center that employs standardized patients and high-fidelity patient simulators. The high-fidelity patient simulators are complex, computerized mannequins that simulate everything from heart attack to birth.



## **CURRICULUM**

### >>Master's Colloquium

The Master's Colloquium consists of lectures and workshops that cover the complex, multidisciplinary aspects of professional development like critical thinking and critique; medical decision making; learning skills and the structures of knowledge; scientific literacy and the appraisal of evidence; the development of professionalism; leadership skills and citizenship in the medical community; and exploration of controversies in the socioeconomics of health care.

### >>Scholarly Activity Research Program

The Scholarly Activity Research Program (SARP) is a faculty-mentored program that emphasizes basic, clinical and transitional research, epidemiological and population-based studies, community-oriented participatory research, medical education projects and the medical humanities. Yearly, a SARP symposium is hosted so students may present posters to a panel of faculty judges that select three students to receive travel awards to attend national meetings or conferences.





## >>Research Colloquium

The Paul L. Foster School of Medicine Research Colloquium is intended to create opportunities for collaboration and enrich the scholarly atmosphere of this growing institution. Now in its sixth year, a selection of clinical, basic and translational research projects are developed on campus with community partners from the University of Texas at El Paso and William Beaumont Army Medical Center.

## >>Society, Community and Individual Course

The Society, Community and Individual course focuses heavily on the basics of public and community health, as well as exposing students to community and cultural experiences in El Paso. Students are assigned to community clinics throughout the city where they experience how care is delivered firsthand.

To round out and further solidify the curriculum, the Paul L. Foster School of Medicine was the first medical school to require students to take conversational and medical Spanish as a component of its curriculum. This benefits the students as they immerse themselves in the community they serve.



## STUDENT BODY/ADMISSIONS

The fourth class of 80 students was chosen from an applicant pool of more than 2,900. The students were selected not only for their high intellectual ability and strong record of scholastic achievement, but also for their varied backgrounds, interests, life experiences and qualities indicative of academic success. During fall 2012, 620 applicants were interviewed from a pool of 3,100 to fill the 100 slots that will comprise the fifth class — the Class of 2017.

### Paul L. Foster School of Medicine trains residents in:

- Anesthesiology
- Emergency medicine
- Family medicine
- Internal medicine
- OB-GYN
- Pediatrics
- Psychiatry
- Diagnostic radiology
- Surgery
- Orthopaedic\*

\*An orthopaedic surgery residency is sponsored by William Beaumont Army Medical Center in El Paso.

## GRADUATE MEDICAL EDUCATION

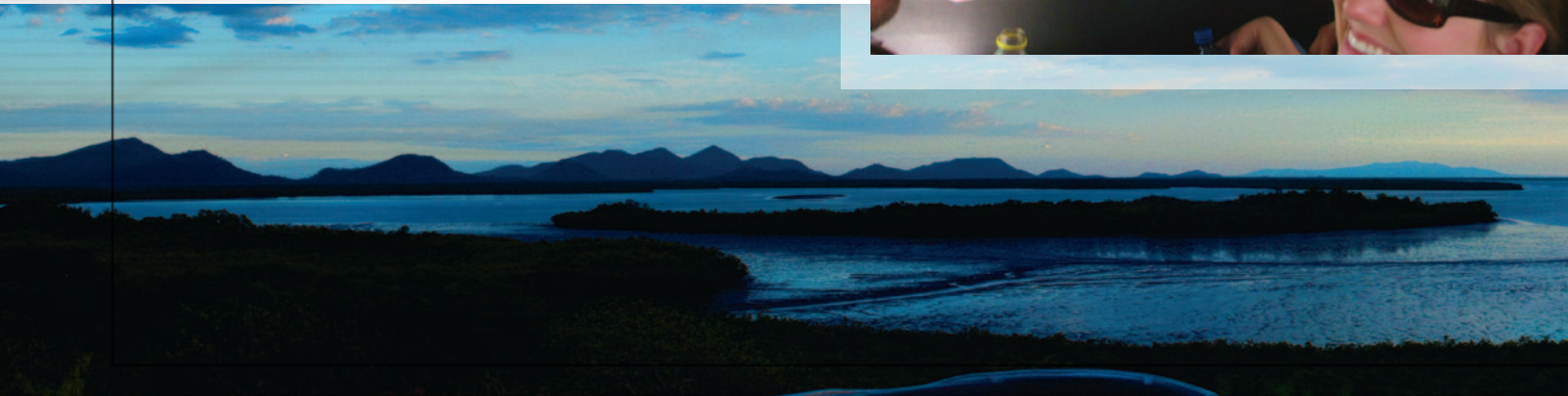
Four years of intensive medical school training is only the beginning for physicians. During their final year, medical students from the United States and around the world apply for residency programs to continue their medical training in the specialty of their choice. On a day in March known in the U.S. and Canada as Match Day, medical students find out where they will spend the next three to five years in the residency training of their specialty. The selection process begins in the fall when fourth-year medical students apply to hospitals and institutions nationwide that offer specialized training in their chosen field. They interview at several sites and in January, rank their preferences. At the same time, residency program directors rank their applicants. On Match Day, the results of these rankings are released to the students.

### The following fellowships are available at the Paul L. Foster School of Medicine:

- Sports medicine
- Cardiovascular disease
- Gastrointestinal disease
- Child and adolescent psychiatry
- Body imaging (Texas Medical Board)

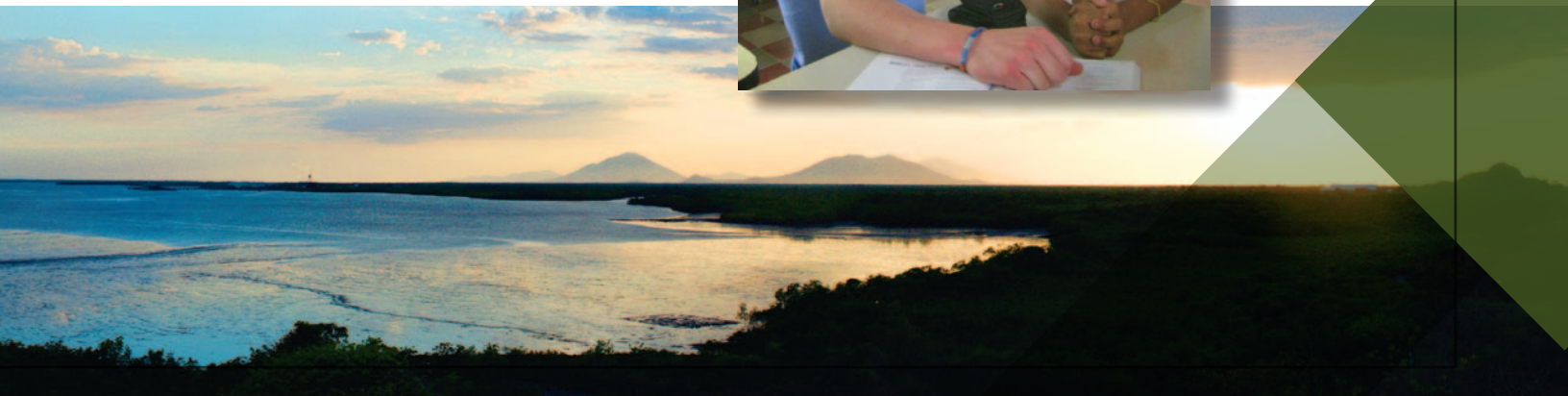


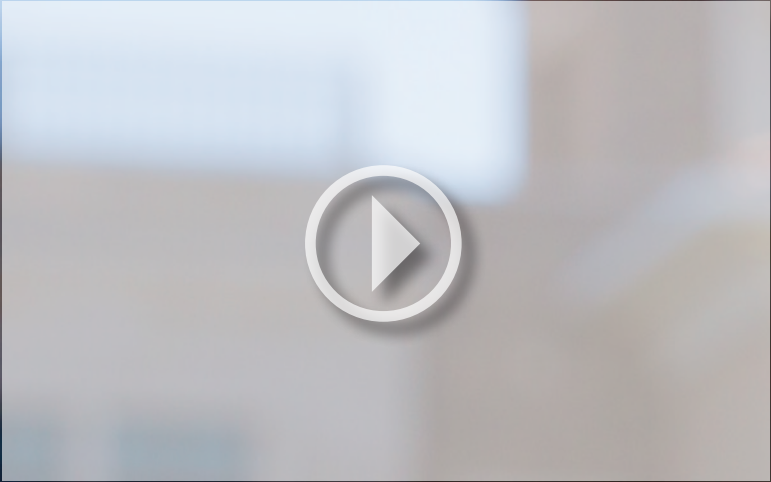
EDUCATION



## STUDENT ACTIVITIES

El Paso's inviting outdoor weather draws many students to hike in the beautiful Franklin Mountains, boulder at Hueco Tanks and compete in athletic events, including the El Paso Marathon and Eagle in the Sun Triathlon. Students also make a difference through their involvement in the pre-medical conference sponsored by the campus' American Medical Student Association, which introduces area high school and college students to the possibility of medical school — and all that it encompasses. Other student organizations include the Global and Border Health Society, Christian Medical and Dental Association and Medical Students for Choice. Students also coordinate United Blood Services Drives on campus and organize drives for homeless women and children. Lastly, students, faculty, administrators and other medical professionals from the community give back by volunteering at the Saturday El Paso Baptist Clinic. Volunteers provide free medical care to many in the region who cannot afford it. Students also travel abroad for medical missions like a recent trip to Honduras.





# Research

INTRODUCTION





## RESEARCH ON THE U.S./ MEXICO BORDER

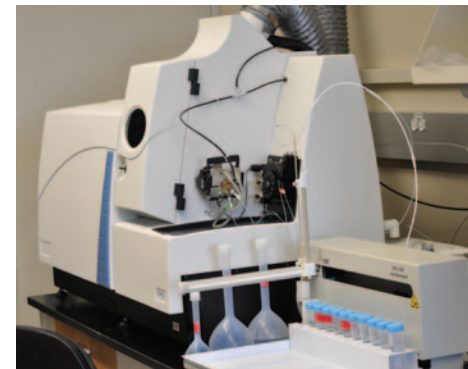
Research at the Paul L. Foster School of Medicine is organized into programmatic centers of excellence. The singular Basic Science Department is a unified Department of Biomedical Sciences. All other academic affiliations are in clinical departments or the Department of Medical Education. The centers of excellence are made up of interdisciplinary teams of clinicians and basic scientists working together to address problems at all levels of inquiry. These programmatic areas were identified as being of special relevance to communities along the U.S./Mexico border.

The four centers of excellence are in cancer, infectious diseases, neurosciences, and diabetes and obesity. They are complimented by substantial core facilities in cytometry, genomics, histology, proteomics and the Biostatistics and Epidemiology Consulting Lab.

## BORDER RESEARCH INITIATIVE

Border Health Research programs at the Paul L. Foster School of Medicine have benefitted tremendously from multiple federal equipment grants. Federal grants have enabled the purchase of state-of-the-art platforms for development of programs in molecular biology and molecular genomic research.

The institution's core grants have provided leverage to create an investigator-initiated grant portfolio with annual awards of more than \$14 million in additional peer-reviewed federal funds in the last three years, through a combination of newly developed grant applications and recruitment of star researchers from throughout the nation who transfer grants to the Paul L. Foster School of Medicine. TTUHSC at El Paso is well on its way to building the most sophisticated genomics laboratory in West Texas and among the finest in the Southwest.

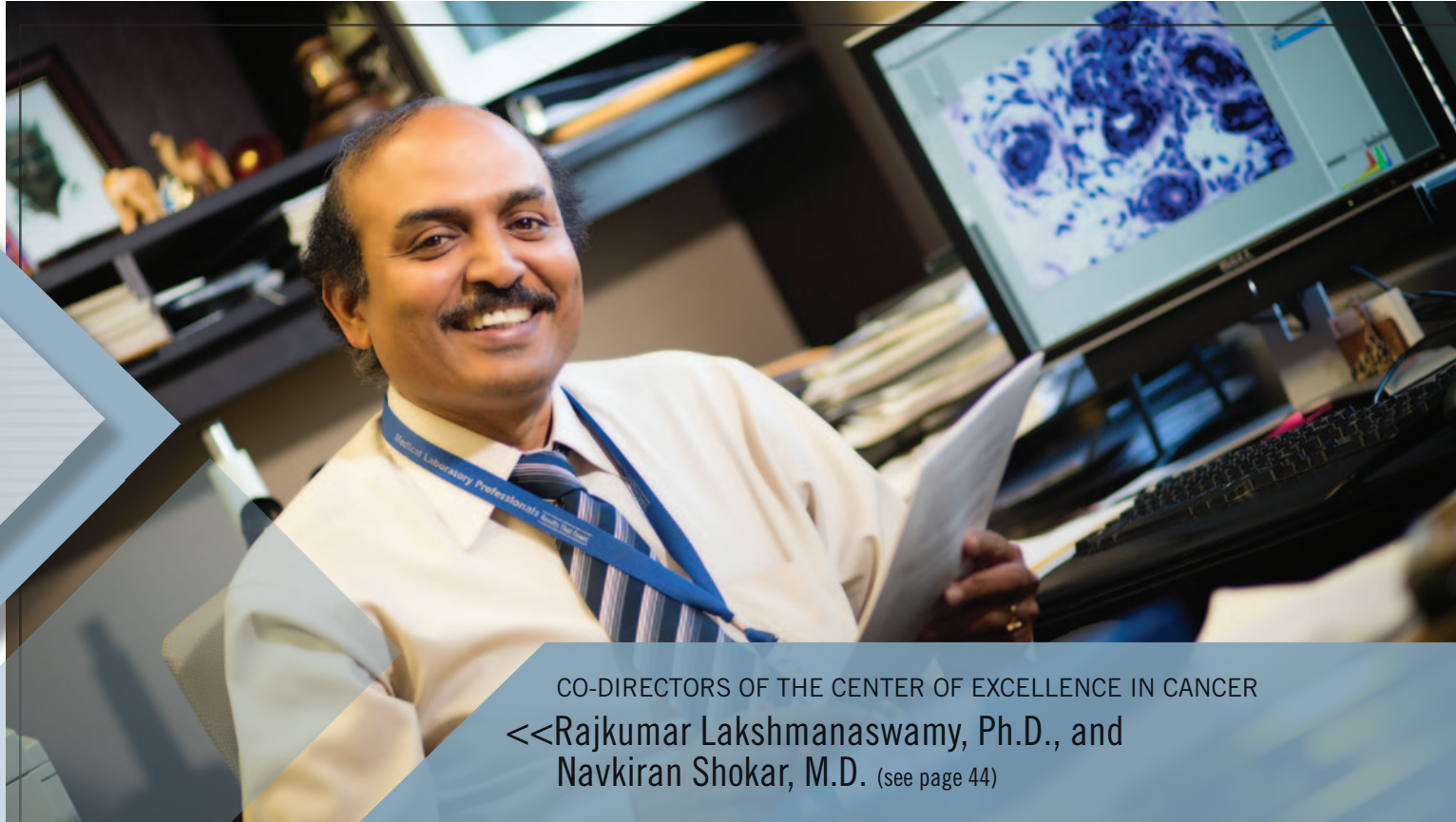






## CENTERS OF EXCELLENCE

RESEARCH



CO-DIRECTORS OF THE CENTER OF EXCELLENCE IN CANCER


<<Rajkumar Lakshmanaswamy, Ph.D., and  
Navkiran Shokar, M.D. (see page 44)

### CENTER OF EXCELLENCE IN CANCER

The Center of Excellence in Cancer is developing basic, translational and clinical programs in cancers with disproportionate impact on Hispanic populations on the border. Breast cancer represents a higher proportion of all cancer mortality among Hispanic women than women of other ethnicities. As a result, a significant basic science effort in Hispanic breast cancer is under way. Hormone-mediated cancers in general are a significant concern in this population, and the institution generated six new National Institutes of Health (NIH) grants in the El Paso area in 2011. Similarly, screening rates are low in Hispanics (44 percent of Hispanics in Texas did not have health insurance in 2007). Researchers are developing programs targeting barriers to colon cancer screening in this population. The institution currently has a NIH-funded program in colon cancer screening research, and recently received large grants in this area from the Cancer Prevention and Research Institute of Texas (CPRIT), and from the federal Health Resources and Services Administration.

## CENTER OF EXCELLENCE IN INFECTIOUS DISEASES

Cross-border infectious disease transmission is a significant public health concern. For example, the 2009 H1N1 influenza epidemic started in Mexico. The center has developed NIH-funded programs in West Nile virus, HIV and influenza. The center also has a vaccine development program that is attempting to generate mucosal vaccines against ordinary seasonal infections, and against infectious agents that could be used as biological weapons.



<<Premlata Shankar, M.D.

Professor and Co-Director of the Center of Excellence in Infectious Diseases

>>Manjunath N. Swamy, M.D.

Co-Director of the Center of Excellence in Infectious Diseases

## CENTERS OF EXCELLENCE

RESEARCH

### CENTER OF EXCELLENCE IN NEUROSCIENCES

The population of the U.S./Mexico Border and the Paso del Norte region is heavily Hispanic. The interactions of genetics and environment in the development of psychiatric disorders like schizophrenia and bipolar disorder are poorly understood, especially in Hispanics. The Center of Excellence in Neurosciences is developing a large NIH-funded program in Hispanic psychiatric disorders. In addition, a population cohort bio-bank is being developed to generate unique control population samples for research. These can be used to inform studies in neurosciences, cancer, diabetes and other important health challenges for the region. Also, NIH-funded data sharing agreements can be used to increase the statistical power for minority populations in genome-wide association studies currently unable to address many questions in medically underserved Hispanic minority patients. Other areas of interest are the development of post-traumatic stress disorder and traumatic brain injury programs in connection with Fort Bliss, one of the country's major military installations. Lastly, the Center of Excellence in Neurosciences is developing special programs in genetic diseases of the eye and in optic nerve trauma. New NIH-funded programs in Parkinson's disease and spinal muscular atrophy were introduced to the campus in 2011.

### CENTER OF EXCELLENCE IN DIABETES & OBESITY

Diabetes and obesity are significant public health problems in Hispanic populations, and the El Paso region is no exception. The institution is currently conducting a national search for a director for this Center of Excellence.



<<Michael Escamilla, M.D.

Director of the Center  
of Excellence in Neurosciences

## **DIVISION OF BIostatISTICS AND EPIDEMIOLOGY**



>>Patrick Tarwater, Ph.D.

Professor and Chief of the Division  
of Biostatistics and Epidemiology

### **DIVISION OF BIostatISTICS AND EPIDEMIOLOGY**

The Division of Biostatistics and Epidemiology maintains a focus on the development of analytic methods for the design, conduct and analysis of research studies in the basic, educational and clinical sciences. The novel application of statistical methods to data collected by investigators within the Paul L. Foster School of Medicine is implemented for the best translation of findings to knowledge in the care of patients, the enhancement of education and the advancement of science. Researchers in the division have extensive experience in health sciences research with specific expertise in the design of experiments, the conduct and analysis of longitudinal and cohort studies, and the interface of epidemiology, biostatistics and information science. The division developed and manages the Biostatistics and Epidemiology Consulting Lab for collaboration with Paul L. Foster School of Medicine faculty.

Division members also teach medical classes and offer many short courses and workshops for other universities across the country as well as at the Infectious Disease Institute in Uganda. Current and ongoing research includes collaborations with scientists within TTUHSC and other institutions through NIH-funded research projects studying problems like vaginal microbicide development, neurologic and cardiologic degeneration due to retroviruses and their treatment, and barriers in cervical cancer screening in Hispanic populations.



# Patient Care

INTRODUCTION

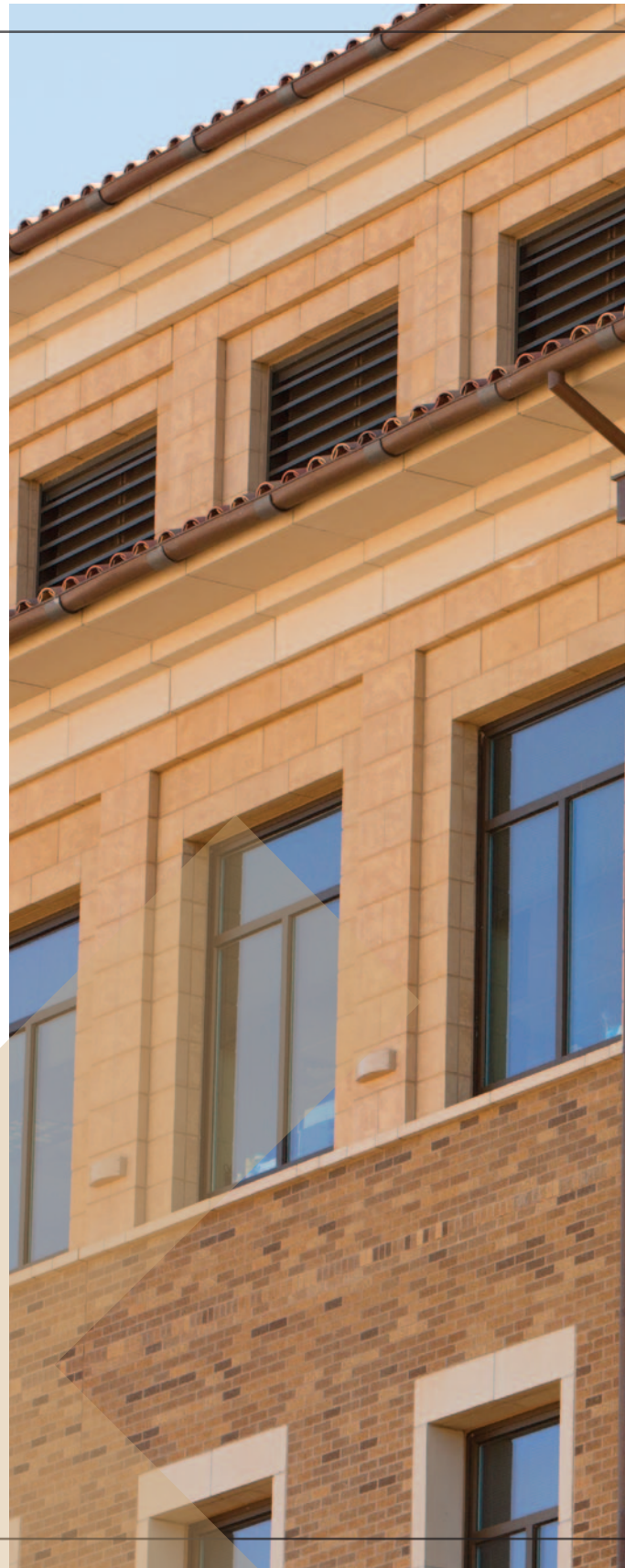


## PHYSICIANS

Doctors at the Paul L. Foster School of Medicine belong to a network of physicians called Texas Tech Physicians. The network includes more than 500 physicians, nurse practitioners and physician assistants across four Texas Tech University Health Sciences Center (TTUHSC) campuses -- the largest network of physicians and health care professionals in West Texas.

These providers have served El Paso and West Texas for more than 40 years. At the core of Texas Tech Physicians are more than 225,000 patients served each year in El Paso alone.

Because our physicians are also teachers, they must remain up to date on new treatments and diagnostics, not only to care for patients, but to pass the knowledge on to medical students, resident physicians and physicians studying in fellowships.



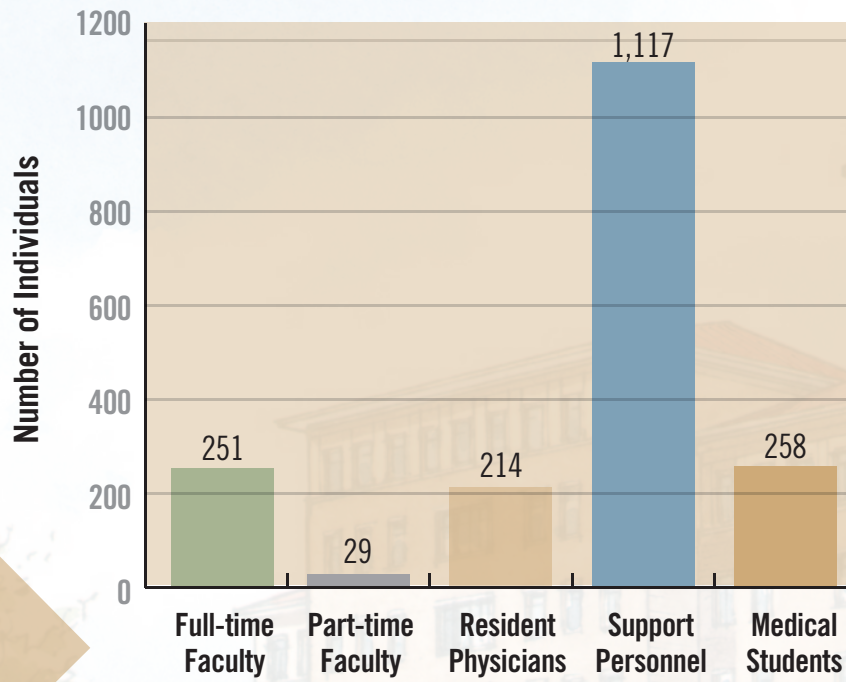




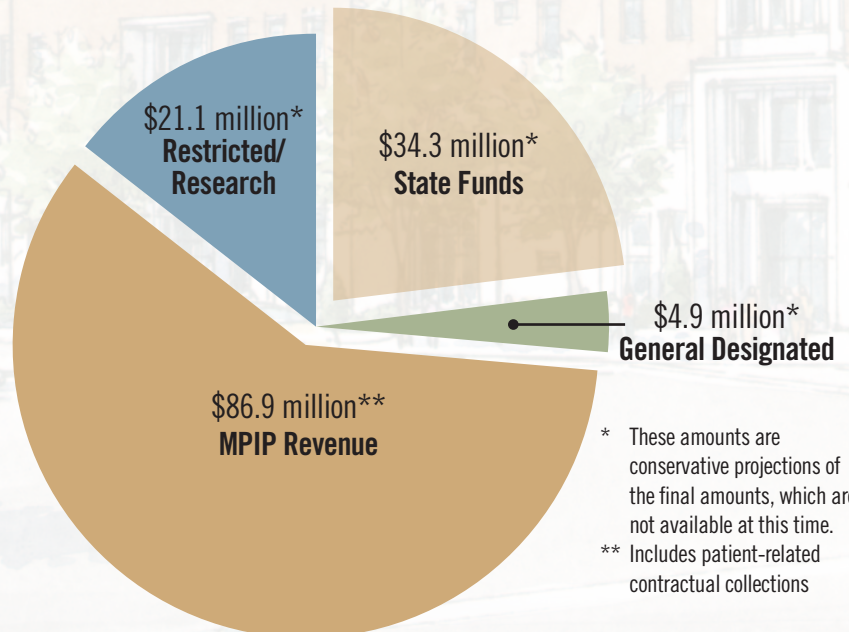
## PATIENT CARE SUMMARY

PATIENT CARE

### GENERAL INFORMATION



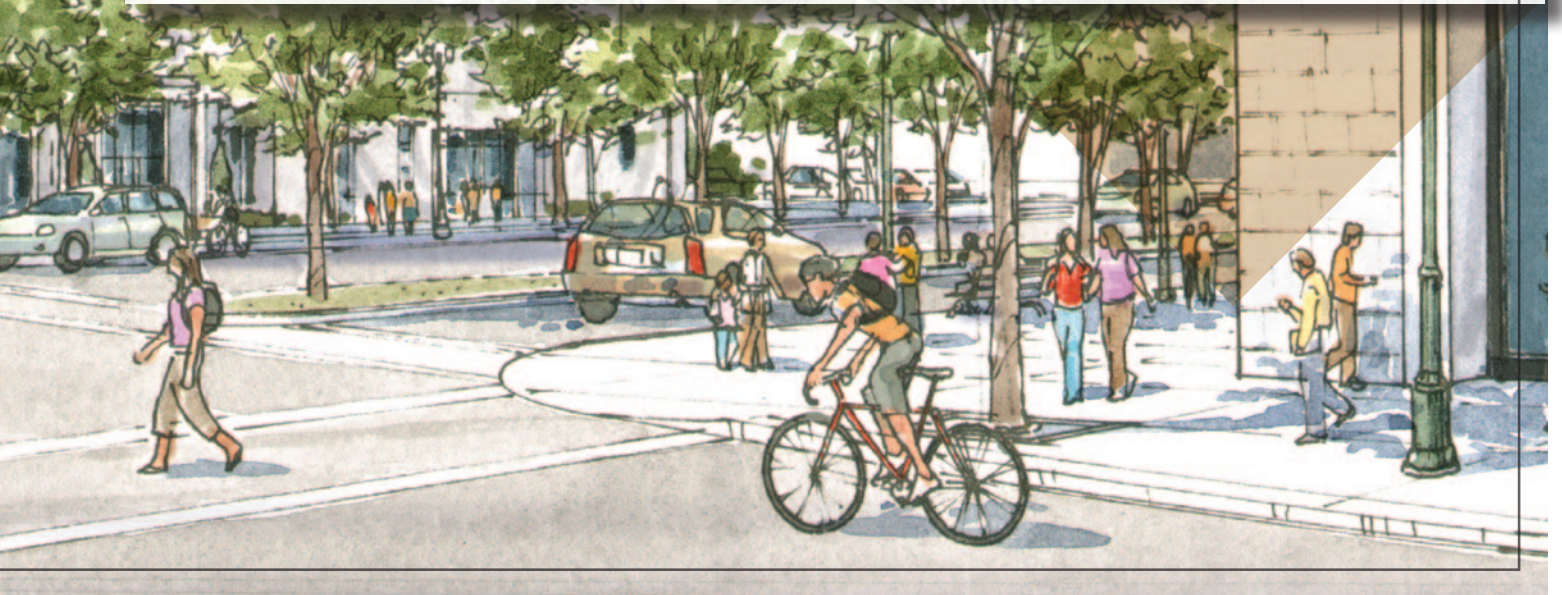
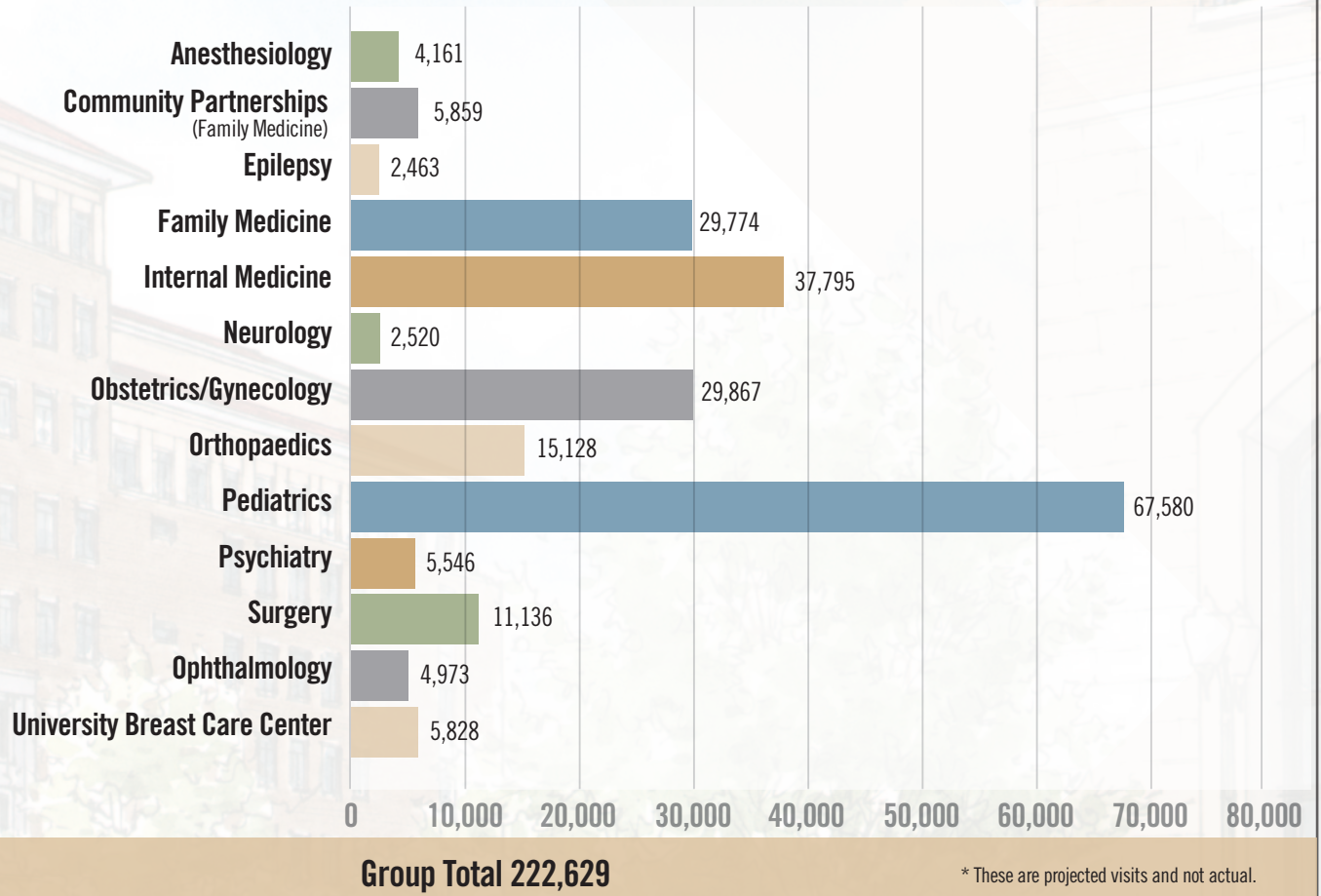
### 2010-2011 FINANCIAL REPORT



\* These amounts are conservative projections of the final amounts, which are not available at this time.

\*\* Includes patient-related contractual collections

**CLINICAL VISITS BY DEPARTMENT\***



## THE SPECIALISTS

At Texas Tech Physicians, we do more than practice medicine. Among our 180 physicians are world-class researchers, scientists and educators. As the medical practice of the TTUHSC Paul L. Foster School of Medicine, our patients can take comfort in knowing that their health care is in expert hands. Patients may be seen individually by a faculty member, attending physician, or in conjunction with resident physicians or students. Resident physicians are always accompanied and supervised by attending physicians.

For some patients needing care beyond the scope of current standard treatment, the opportunity to receive pioneering treatments through clinical research studies, commonly called clinical trials, is also available. Trials are often another option that offers a treatment plan that may better address the patient's needs

and improve their quality of life. These trials test the safety and effectiveness of new, experimental medications and treatments. Many of these clinical trials are not available in other El Paso hospitals or health care facilities.

For example, the Cancer Clinical Research Core Facility (CCRC) at the Paul L. Foster School of Medicine provides cutting-edge cancer research clinical trials for patients in El Paso. This is possible thanks to a \$1.5 million CPRIT grant. The CCRC is staffed with investigators, nurses and research coordinators to facilitate the conduct of state-of-the-art cancer clinical trials that will improve the quality of life for many cancer patients.

# *The* Specialists

in Hematology/Oncology

Javier Corral, M.D.,  
Sumit Gaur, M.D., and  
Zeina Nahleh, M.D.,



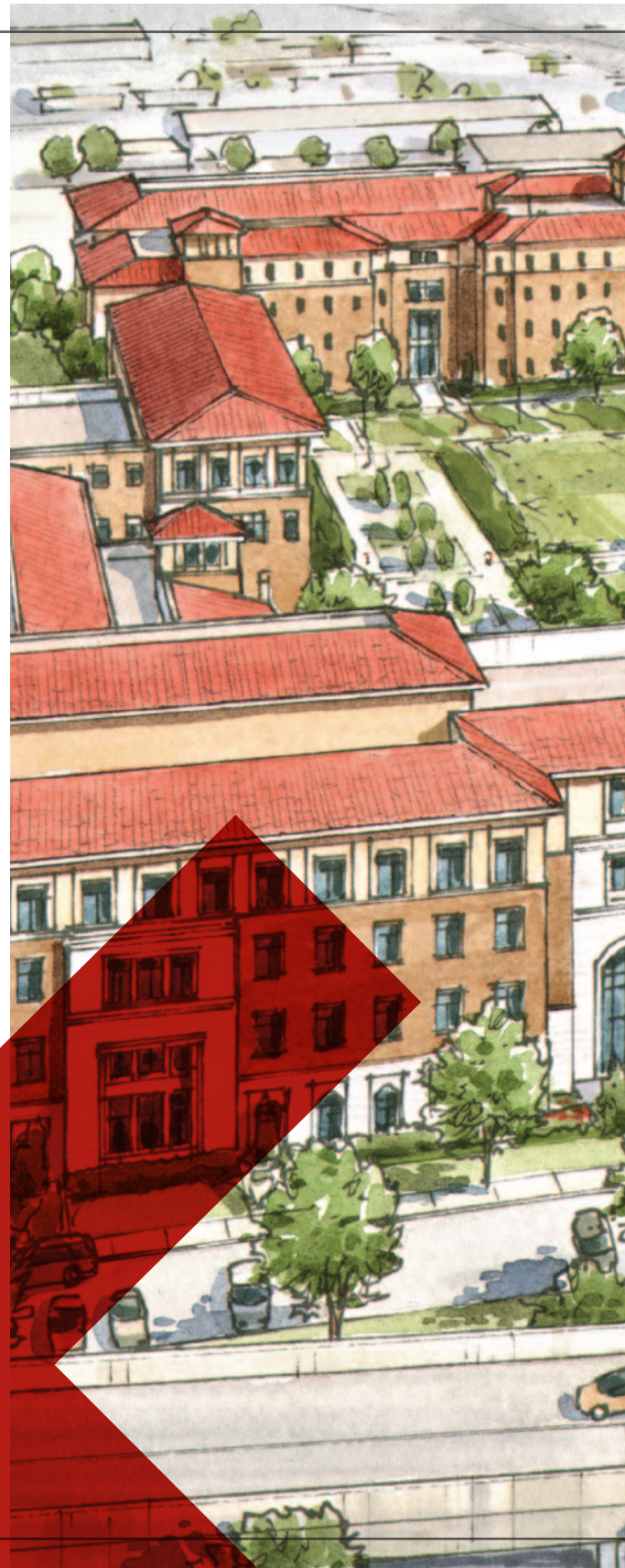


# Faculty



## GROWTH

When the Paul L. Foster School of Medicine was still in its infancy — before new buildings and new medical education faculty — the campus took great pride in its clinical prowess. More than 200,000 patient visits a year were common at the Texas Tech Medical Center. When the decision was made to build a four-year medical school, administrators knew it would be built on a bedrock of clinical excellence with the help of nationally and internationally known faculty consisting of the most dedicated of basic medical educators, committed and caring clinicians, and distinguished scientists. These faculty members have become the essence of the medical school. They have embraced the innovative curriculum and as a result, other medical schools with long histories of teaching traditional medicine are looking to the Paul L. Foster School of Medicine to serve as a model for their programs.







## NEW FACULTY MEMBERS IN 2012

### >> Anesthesiology

Vera Barbosa, M.D.  
Marc Orlandi, M.D.  
Thomas Poulton, M.D.  
Adeel Qaisar, M.D.

### >> Biomedical Sciences

Alok Dwivedi, Ph.D.  
Melchor Ortiz, Ph.D.

### >> Emergency Medicine

Scott Crawford, M.D.  
Priscilla Reyes, M.D.

### >> Family and Community Medicine

Michael Watson, M.D.

### >> Internal Medicine

Dwight Deter, P.A.-C  
Sucheta Gosavi, M.D.  
Sangmesh Jabshetty, M.D.  
Elvis Jacome, P.A.-C  
Hasan Salameh, M.D.  
Tracy Short, P.A.-C  
Wilbur Strader, M.D.  
Robert Young, M.D.

### >> Medical Education

Dolgor Baatar, M.D., Ph.D.  
Dan Blunk, M.D.  
Maureen Francis, M.D.  
Helena Spartz, M.D., Ph.D.

### >> OB-GYN

Rachel Brooks, CNM  
Michael Cardwell, M.D.  
Michele Follen, M.D.  
Sanja Kupesic, M.D., Ph.D.  
Michele Manting, M.D.  
Sireesha Reddy, M.D.

### >> Orthopaedic Surgery and Rehabilitation

Michael Machen, M.D.

### >> Pathology

Harry Wilson, M.D.

### >> Pediatrics

Ines Anchondo, Dr.P.H.  
Benjamin Carcamo, M.D.  
Sastry Chamarthi, M.D.  
Lynn Hernan, M.D.  
Krystina Kypuros, M.D.  
Ashish Loomba, M.D.  
Aldo Maspons, M.D.  
Indu Pathak, M.D.  
Eduardo Rosas-Blum, M.D.  
Shravan Vallala, M.D.

### >> Psychiatry

Octavio Gutierrez, M.D.  
Amelia Leony-Carrete, LCSW  
Rebecca Pasillas, Ph.D.  
Leonora Petty, M.D.

### >> Radiology

Nassim Akle, M.D.  
Luis Ramos-Duran, M.D.

### >> Surgery

Victor Olivas, M.D.



## PAUL L. FOSTER SCHOOL OF MEDICINE DEAN'S AWARDS- ACADEMIC YEAR 2011-2012

FACULTY

**Sanja Kupesic, M.D.** has been called a brilliant physician and academician. Shortly after arriving at TTUHSC at El Paso, Kupesic spearheaded the campaign to integrate the clinical component of the curriculum with the basic science component at the Paul L. Foster School of Medicine. Within months, she also developed a training strategy on how to present the work case example sessions the school uses. She conducts her lectures using evidence-based medicine and humor. Kupesic is also credited with initiating and starting the Medical Imaging Library, which is used throughout the curriculum. She has also involved the majority of the Department of Medical Education faculty to write about the integrative process in the Donald School Journal of Ultrasound in Obstetrics and Gynecology. Lastly, medical students voted her Outstanding Professor of the Year, and radiology residents also awarded her the Clinical Faculty Teaching Award.

Dean's Excellence  
in  
Teaching  
Award

<<Sanja Kupesic, M.D.

Professor of OB-GYN, Radiology and Medical Education





>> Gordon Woods, M.D., M.P.H.

Associate Professor of Medical Education and Internal Medicine

Called the gracious hero of the Department of Medical Education, **Gordon Woods, M.D.** has accomplished the monumental task of developing and directing a new and longitudinally integrated first- and second-year curriculum in medical skills for the Paul L. Foster School of Medicine. His medical skills course is well-received and highly innovative. The course is fully coordinated with the learning objectives of the scientific principles of medicine course, creating a synergistic educational experience in which medical skills instruction directly reinforces the underlying scientific principles and fundamental clinical decision processes students are learning during the same week. Woods also worked with another medical education faculty member to spearhead implementation of Tankside Grand Rounds and a Donor Electronic Medical Record to integrate basic science and clinical knowledge, and to foster all six Accreditation Council for Graduate Medical Education core competencies through the anatomy laboratory.

Dean's  
Innovation Award  
*in*  
Medical  
Education

**PAUL L. FOSTER SCHOOL OF MEDICINE DEAN'S AWARDS-  
ACADEMIC YEAR 2011-2012**

FACULTY

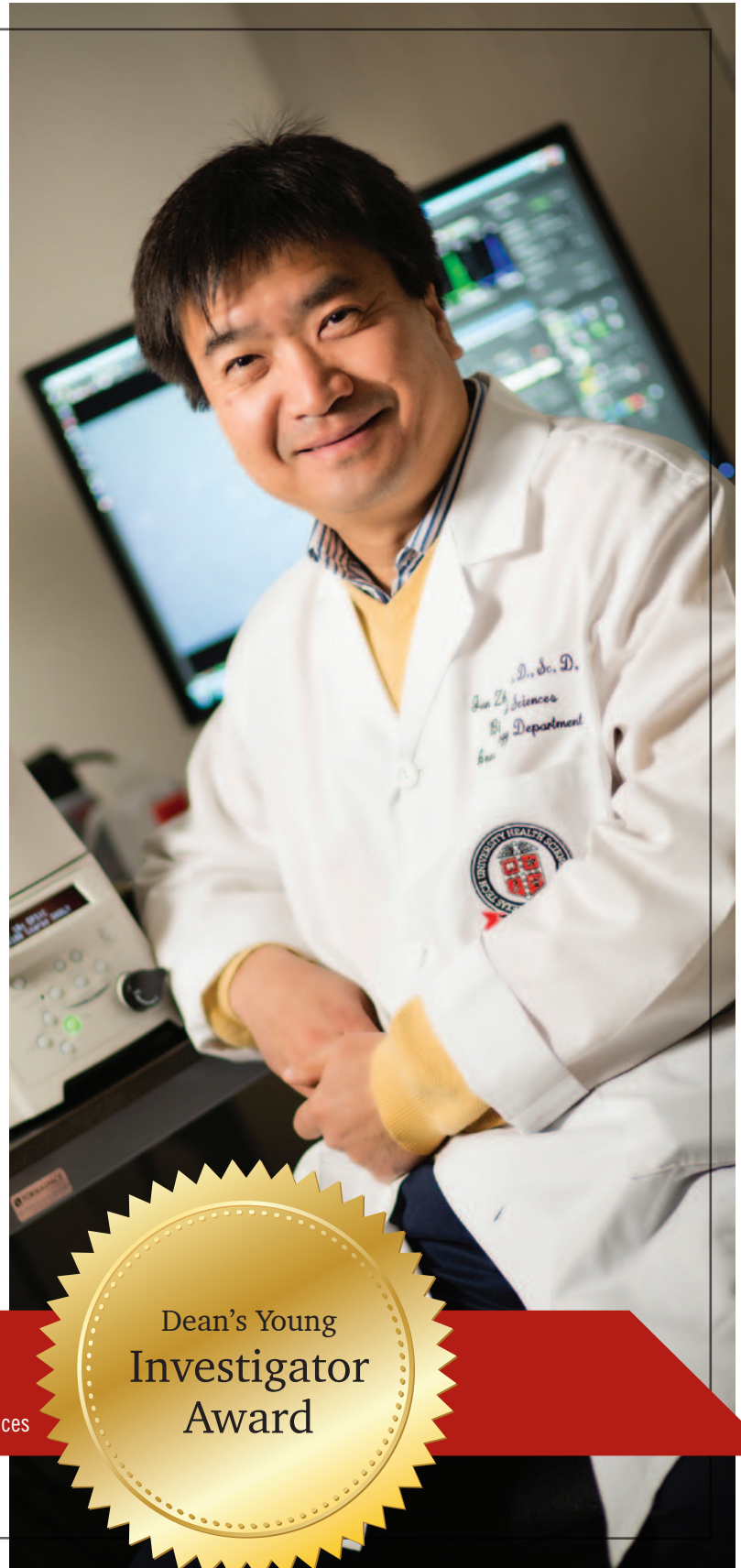


**Navkiran Shokar, M.D.** has been recognized as a primary care/family medicine researcher and has had a significant impact on research at TTUHSC at El Paso. Her research focus is cancer prevention and control and health promotion, and throughout this last year, she has successfully transitioned her NIH career development award research to TTUHSC and the El Paso community. Besides conducting focus groups throughout El Paso County to better understand the local community's knowledge and beliefs about cancer, particularly colorectal cancer, she has implemented a diabetes education project, a study of beliefs about weight loss among employees, and a study investigating the management of obesity in the outpatient setting. In addition, she has been successfully funded for a \$2.7 million prevention research grant through CPRIT that focuses on colon cancer prevention in the community, bringing together 20 academic and community entities throughout El Paso. Under her guidance, research faculty currently have eight major ongoing projects, one extramural grant application submitted and eight national/international research presentations accepted to the North American Primary Care Research Group, a premier international primary care research organization.

<<Navkiran Shokar, M.D.

Associate Professor of Family Medicine and Community Health

**Jun Zhang, Ph.D.** has distinguished himself at the Paul L. Foster School of Medicine since he arrived two and a half years ago. He has received an NIH R21 grant; funding from the L.C. Coldwell Foundation and three seed grants from TTUHSC at El Paso. He has several other grants pending. Zhang also advises medical students and has published 10 articles in peer-reviewed journals. He was recently appointed to serve on the Review Editorial Board of *Frontiers in Neurogenetics*, a specialty of *Frontiers in Genetics*. Zhang was also named neurogenetics session chair for the Hydrocephalus 2011 Conference of the International Society for Hydrocephalus and Cerebrospinal Fluid Disorders in Copenhagen where he presented an abstract.



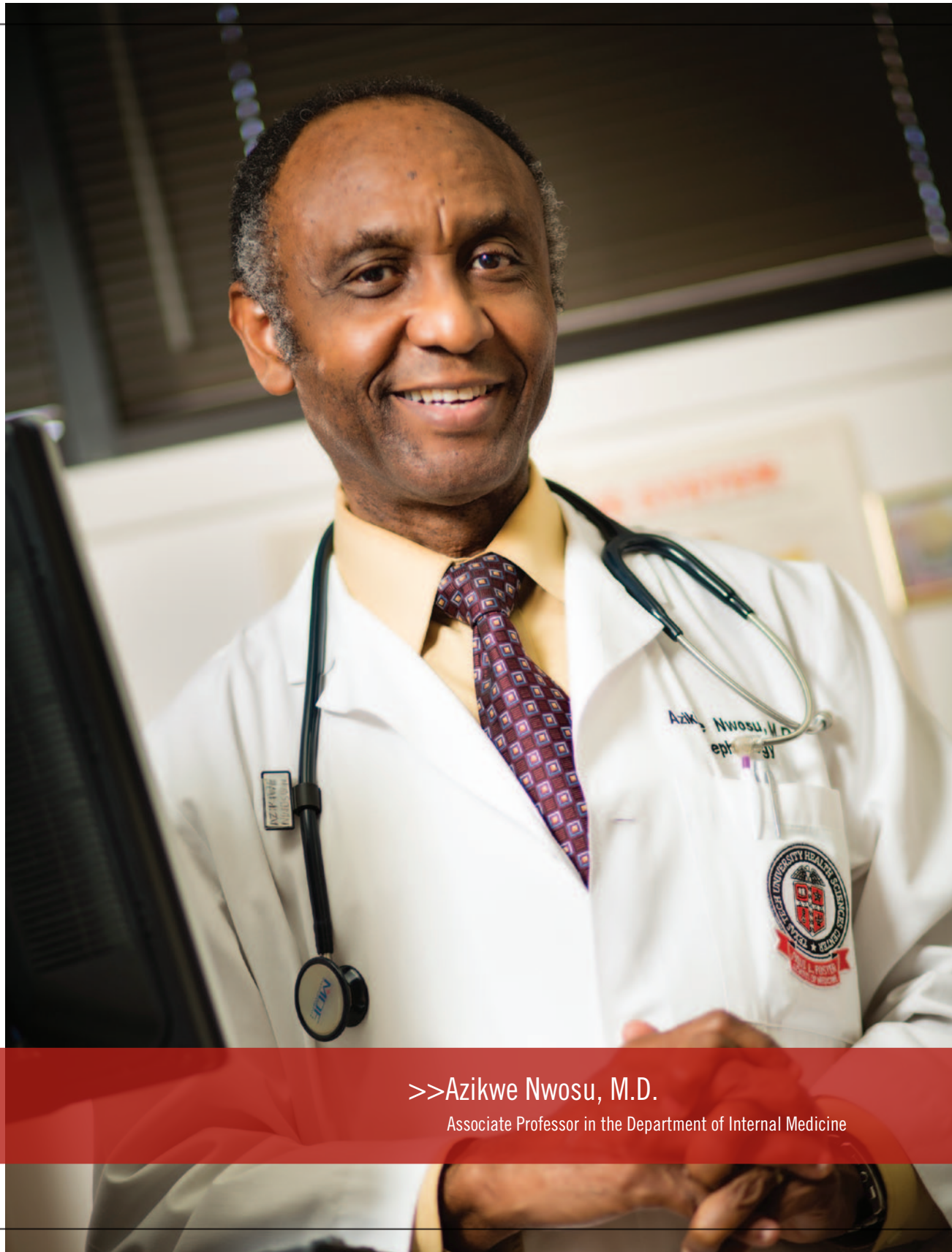
## >>Jun Zhang, Ph.D.

Assistant Professor in the Departments of Anesthesiology and Biomedical Sciences and the Center of Excellence in Neurosciences

Dean's Young  
Investigator  
Award

**PAUL L. FOSTER SCHOOL OF MEDICINE DEAN'S AWARDS-  
ACADEMIC YEAR 2011-2012**

FACULTY



>>Azikwe Nwosu, M.D.

Associate Professor in the Department of Internal Medicine



When **Azikwe Nwosu, M.D.** first arrived in El Paso 16 years ago, the renal dialysis service at TTUHSC at El Paso was virtually non-existent. For many years, this quiet and unassuming physician was a one-person division, where he served as the single inpatient renal consultant, the single outpatient dialysis clinic nephrologist for TTUHSC at El Paso, the single TTUHSC at El Paso renal clinic attending, while at the same time also serving as a medicine ward attending. Most people would have quit given these vast responsibilities. Instead, Nwosu carried on, providing excellent clinical, teaching and administrative service to the medical school. Through his efforts and tireless dedication, the renal program has grown to serve approximately 270 chronic dialysis patients and more than 30 kidney transplant patients. Under his leadership, nephrology faculty has grown from a division of one to four full-time and two part-time members. Many of the internal medicine residents have chosen to pursue a career in

nephrology, and at least three of El Paso's nephrologists are former resident-trainees of Nwosu. One currently serves as faculty as well as the director of the internal medicine residency program. In addition, through Nwosu's initiative, a partnership was forged with DaVita, a national dialysis treatment facility, to provide needed clinical services. Through his vision and leadership, TTUHSC opened two outpatient dialysis clinics in partnership with DaVita. The renal division now serves patients at five different hemodialysis clinics, has a large home peritoneal dialysis program and provides post-transplant clinical outpatient care at Las Palmas Transplant Clinic and also provides renal care for inpatients at UMC of El Paso, Las Palmas Medical Center, Las Palmas Rehabilitation Hospital, Providence Memorial Hospital, Sierra Medical Center, Del Sol Medical Center, Highlands Rehabilitation Hospital, and Sierra Providence East Medical Center.



Dean's Distinguished  
Service  
Award

A nighttime photograph of a large, modern hospital building with a multi-story structure and a parking lot in the foreground. The building is illuminated from within, and the surrounding area is lit up by streetlights and city lights. In the background, a city skyline is visible under a dark blue sky, with a prominent mountain peak illuminated by a bright light. A large, diagonal yellow graphic element is overlaid on the left side of the image.

# Partners



## EL PASO CHILDREN'S HOSPITAL

TTUHSC at El Paso is helping elevate the quality and scope of medical care in the El Paso region by partnering with the new El Paso Children's Hospital. Together, the Paul L. Foster School of Medicine and El Paso Children's Hospital provide unmatched excellence in specialized pediatric patient care, research and education. Other important partners are University Medical Center (UMC) of El Paso, The University of Texas at El Paso, William Beaumont Army Medical Center, Columbia University, University of South Alabama and El Paso Community College. Additionally, El Paso Children's Hospital is an anchor facility of the Medical Center of the Americas campus.

El Paso Children's Hospital, located near the U.S./Mexico border, is the largest expansion of pediatric medical services

in West Texas. The 225,000-square-foot hospital is the first and only separately licensed, independent, nonprofit children's hospital in the El Paso region and is the only dedicated pediatric hospital within a 250-mile radius.

Opened in February 2012, the facility's aesthetics were designed to promote a healing environment filled with abundant light, soothing colors, vibrant art and panoramic views of the geographic region ranging from the Franklin Mountains to the Rio Grande River. The hospital thrives on family-centered care because family plays an important role in the healing and well-being of children. The facility features 122 private pediatric rooms, state-of-the-art equipment and technology, playrooms, a family resource center, kitchenettes, washers and dryers and a playground.

### EL PASO CHILDREN'S HOSPITAL BY THE NUMBERS

*(as of October 2012)*

<b>Pediatric Beds</b>	<b>122</b>	<b>Emergency Department Visits</b>	<b>14,000</b>
<b>Pediatric Sub-specialists</b>	<b>+40</b>	<b>Operations and Procedures</b>	<b>1,100</b>
<b>Credentialed Physicians</b>	<b>+200</b>	<b>Inpatient Surgical Cases</b>	<b>600</b>
<b>Employees</b>	<b>+600</b>	<b>Outpatient Surgical Cases</b>	<b>500</b>
<b>In-patient Admissions</b>	<b>2,400</b>	<b>Average Number of Children Hospitalized Per Day</b>	<b>65</b>
<b>Patient Days</b>	<b>13,000</b>	<b>Radiology Procedures</b>	<b>13,000</b>
<b>Outpatient Hematology/Oncology Clinic Visits</b>	<b>5,000</b>	<b>Laboratory Tests</b>	<b>100,000</b>
<b>Rehabilitation Visits</b>	<b>3,400</b>	<b>Respiratory Therapy Treatments</b>	<b>42,000</b>

Each private room has a children's bed and a sofa-bed allowing parents or designated loved ones to stay with their child at all times.

El Paso Children's Hospital is now home to more than 40 pediatric subspecialists, more than 200 credentialed pediatricians, and the only pediatric neurosurgeon and pediatric radiologists in El Paso County.

El Paso Children's Hospital pediatric subspecialties include emergency medicine, rehabilitation, radiology, general surgery, neonatology and perinatology, respiratory therapy, cardiac services, anesthesiology, neurosurgery, orthopedic surgery, intensive care, gastroenterology, endoscopy, ophthalmology, maxillofacial surgery, pathology, hematology and oncology. In the past year, El Paso Children's Hospital had more than 14,000 emergency department visits, admitted 2,400 patients and conducted 1,100 surgeries and procedures. Pediatric specialists and technicians performed more than 13,000 radiology procedures, 100,000 laboratory tests and 42,000 respiratory therapy treatments.

El Paso Children's Hospital is accredited by The Joint Commission and the College of American Pathologists. It is one of eight children's hospitals in Texas and is a member of the Children's Hospital Association of Texas. El Paso Children's Hospital is one of 221 members of the Children's Hospital Association, and is the designated hospital in El Paso County for Children's Miracle Network.



## OTHER COMMUNITY PARTNERSHIPS



### >> University Medical Center of El Paso

UMC of El Paso is the primary teaching hospital for the Paul L. Foster School of Medicine. UMC is El Paso's only nonprofit community-owned hospital and health care system, and a regional referral center for patients in need of specialty care. It is the only El Paso hospital ever to be named one of America's Top 100 hospitals, having earned the distinction three times, and is the only Level I Trauma Center within 280 miles of El Paso.



### >> William Beaumont Army Medical Center

Since 1921, William Beaumont Army Medical Center has provided care for military personnel and eligible family members. It specializes in complete medical care, hosts a medical education program and serves as a trauma center for the surrounding community. William Beaumont Army Medical Center is also the sponsor of the Paul L. Foster School of Medicine Orthopaedic Residency Program.

#### The Paul L. Foster School of Medicine also partners with:

- Centro de Salud Familiar La Fe
- Centro San Vicente
- Sierra Providence Health Network
- Las Palmas Del Sol Healthcare



### >>El Paso Psychiatric Center

The El Paso Psychiatric Center is an accredited 74-bed psychiatric hospital. The hospital is managed by the Department of State Health Services and contracts with the Department of Psychiatry for physician services.

The center provides services for adults in two acute and one sub-acute/specialty unit. It also has a child and adolescent unit that provides services to children ages 5 to 12, and adolescents to age 17.



### >>Medical Center of the Americas Foundation

The Medical Center of the Americas (MCA) Foundation is a nonprofit organization that works to advance the development of the Medical Center of the Americas campus and to advance the Paso del Norte community research agenda. The 140-acre MCA campus is anchored by TTUHSC at El Paso, University Medical Center, El Paso Psychiatric Center and El Paso Children's Hospital. The vision of the MCA is to position the Paso del Norte region as the premier center of health delivery, education and research concentrating on issues unique to Hispanic, border and military populations.



PARTNERS

## DEVELOPMENT

Our multicultural economy, the generosity of our donors and the leadership of our medical campus have positioned us to lead the way in health care. Great progress was made in 2012 including \$15 million awarded for research — which is expected to spur \$40 million in economic activity. In addition, 30 new faculty members were recruited — which equals \$7.5 million in new household income. This success could not be realized without our donors investing in our future. It is the heart of our community and the passion that drives us forward. We are the leaders in bicultural and bilingual health care education, setting the bar high with the goal of fighting health disparities. TTUHSC at El Paso has recruited the best and the brightest into our community, so that they will one day walk the halls of hospitals and laboratories serving future generations of families and children.

We look forward to continuing to impact El Paso's economy through donor generosity.

### <<Paige Carlisle-Stewart

Director of Development  
TTUHSC at El Paso





## **CLASS OF 2016 OATH**

I charge myself with promoting the health of my patients. I will weigh the benefits of my actions against the potential risks. I will develop a partnership with my patients and their families, treating each patient as an individual.

I will invest in the community by embracing its diversity and unique medical needs. I will advocate for the preservation of human dignity through my actions, while maintaining a focus on community service and activism. I will promote health care accessibility and healthy living through education of the community.

I will offer assistance to any colleague in need and have the humility to ask for help. I will respect and appreciate their commitment to medicine. I will value each team member and call upon his or her knowledge and experience to improve the quality of care.

I will acknowledge the sacrifices of friends and family, and in return support their needs. I will strive to preserve the values that strengthen and support our relationship, through challenge and triumph.

For myself, I will respect my limits, acknowledge my faults and strive for improvement. I will embrace the knowledge of the past and contribute to the knowledge of the future. I pledge to remain true to my convictions, while remaining open to other ideas. I will practice with professionalism while advancing the field of medicine.

I will humbly remember the reason I began this journey.

## LOCATIONS

**Main Phone Number:**  
**(915) 215-4003**

### CENTRAL

Texas Tech Physicians of El Paso  
4801 Alberta Ave.

Texas Tech Physicians of El Paso - Neurology  
(*El Paso Psychiatric Center*)  
4615 Alameda Ave.

Texas Tech Physicians of El Paso - Psychiatry  
(*El Paso Psychiatric Center*)  
4615 Alameda Ave.

University Breast Care Center  
4801 Alberta Ave.

### DOWNTOWN

El Paso Baby Café  
(*Gayle Greve Hunt School of Nursing*)  
415 E. Yandell St.

### EASTSIDE

Texas Tech Physicians of El Paso – Pediatrics  
11861 Physicians Dr.

### NORTHEAST

Texas Tech Physicians of El Paso  
Family Medicine Center  
9849 Kenworthy

Texas Tech Physicians of El Paso  
Pain Management  
9839 Kenworthy, Ste E

### SCHOOL-BASED CENTERS

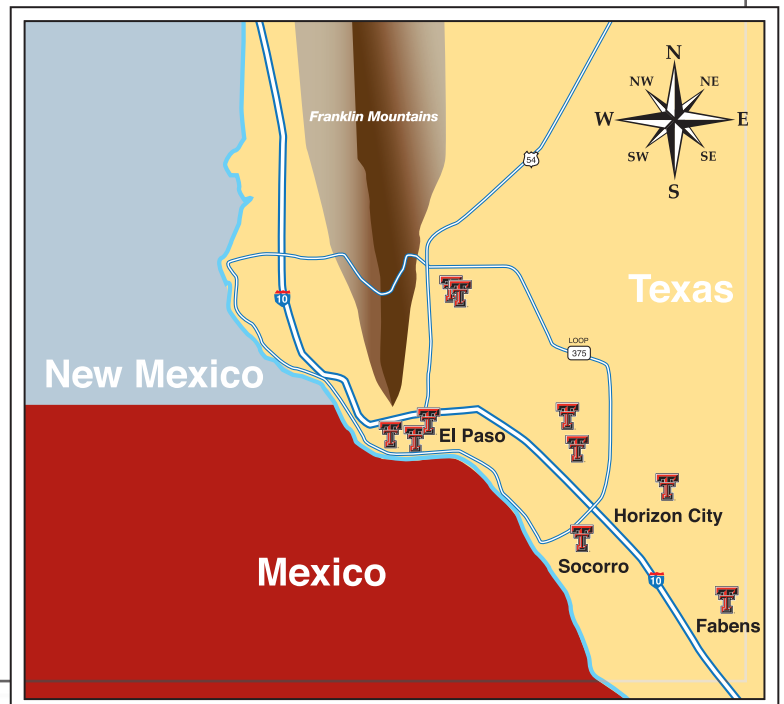
Texas Tech Physicians of El Paso  
Montwood Wellness Center  
11950 Bob Mitchell

Texas Tech Physicians of El Paso  
Child Wellness Center  
12583 Darrington Rd.  
Horizon City, TX

### COMMUNITY PARTNERSHIP CLINICS

Texas Tech Physicians  
Community Partnership Clinic - Fabens  
600 NE 4th St.  
Fabens, TX

Texas Tech Physicians  
Community Partnership Clinic - Socorro  
313 Rio Vista Rd.  
El Paso, TX



PARTNERS/  
CONTACT US





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HEALTH SCIENCES CENTER  
Paul L. Foster School of Medicine

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