

Borders

Beyond



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

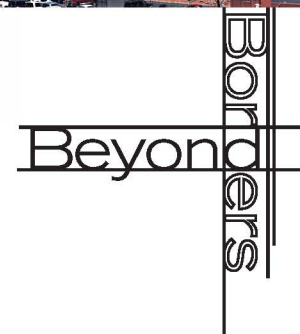


Academic Year 2009-2010 Annual Report





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PAUL FOSTER  
SCHOOL OF MEDICINE

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# Leadership

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## VISION BEYOND BORDERS

The diversity of backgrounds and knowledge our leaders represent provide our students with infinite opportunities to immerse themselves in an environment that nurtures discussion, analysis and discovery.

Leadership

Beyond  
BORDERS

## Leadership Beyond Borders

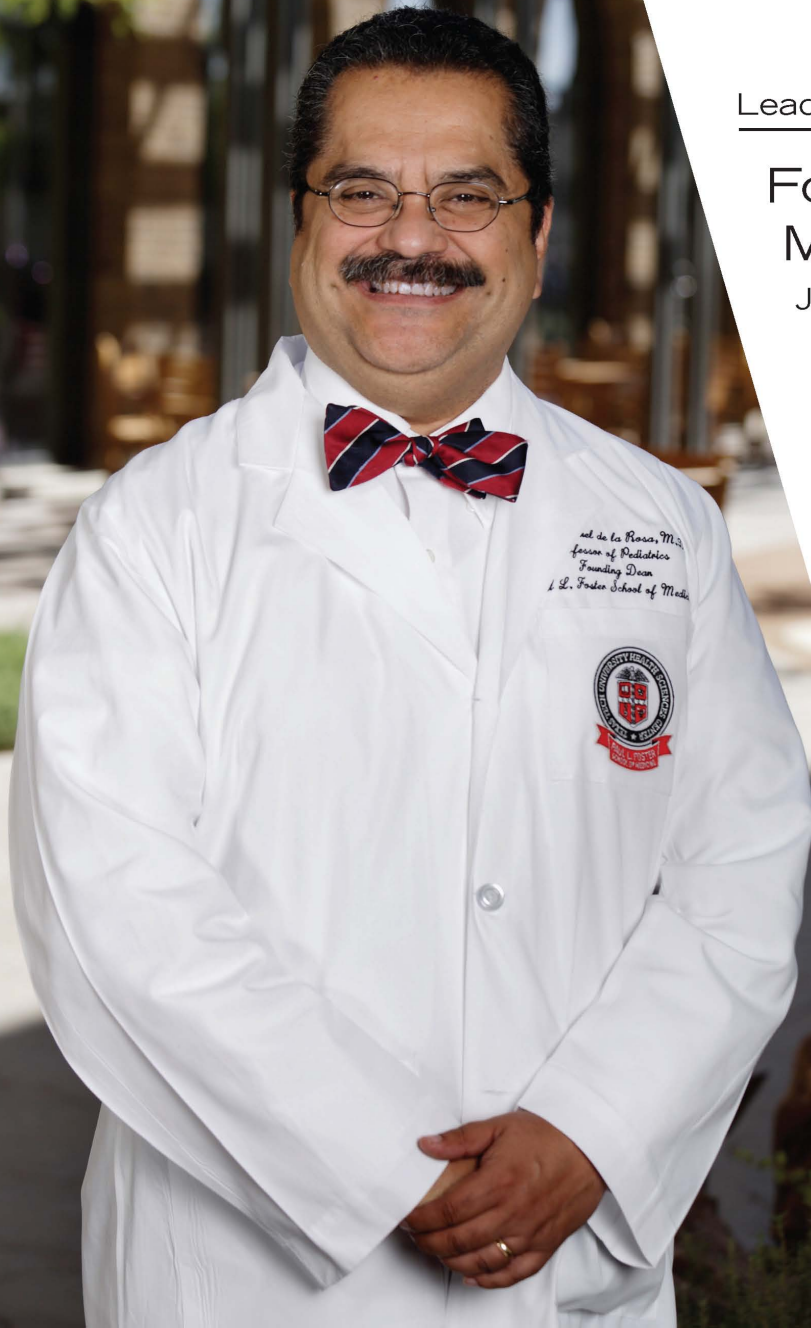
# Founding Dean's Message

Jose Manuel de la Rosa, M.D.

Our 2009-2010 Annual Report is titled “Beyond Borders.” The name is a conceptual description of the way we view medicine at the Texas Tech University Health Sciences Center Paul L. Foster School of Medicine. Our curriculum goes beyond borders because we are not confined to the traditional methods of teaching medicine. We cross intellectual borders by providing an integrated, clinically based curriculum—that includes learning Spanish—unlike any other in the country. Our research program goes beyond borders as it has the potential to affect nations. Our four centers of excellence study such illnesses as West Nile virus, HIV and breast cancer, along with other major diseases that have no geographical boundaries. Finally, our clinical program goes beyond borders by treating a myriad of illnesses as our city buttresses up against a developing nation that is experiencing challenging health conditions rarely seen in the U.S. It is a professional growth experience like no other, turning out some of the best doctors and health professionals in the world. Here at the Paul L. Foster School of Medicine we go beyond borders because we create endless opportunities for medical education, research and delivery of patient care.

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## Chancellor's Message

Kent R. Hance

Since its inception, Texas Tech University Health Sciences Center (TTUHSC) has been committed to educating future generations of health care professionals and providing quality patient care to the regions it serves. That commitment is renewed once again, as the Paul L. Foster School of Medicine at El Paso (PLFSOM) seated its second class of students this year. The PLFSOM continues to make great strides, and with its accomplishments, our future has never looked brighter.

It was more than 40 years ago when former Governor Preston Smith signed the legislation creating the Texas Tech School of Medicine in Lubbock. His mission was to bring more physicians and better health care to West Texas.

Today, Smith's vision has developed into an all-encompassing health sciences center with six schools on eight campuses, serving the health care needs of more than 2.5 million people who live throughout 108 surrounding counties. The institution has grown significantly over the years and is now home to two medical schools, one at Lubbock and the PLFSOM at El Paso.

In the last year, the PLFSOM received considerable amounts of funding from the National Institutes of Health, furthering the institution's overall



strategic goal of enhancing research. As the only four-year medical school in the United States that sits on the border with Mexico, students are offered cutting-edge curriculum, which integrates the Spanish language and Hispanic culture into its unique coursework.

Under the leadership of new President Tedd L. Mitchell, M.D., TTUHSC stands poised to reach new levels of excellence. The achievements realized over the last year will help us transform the El Paso campus into a comprehensive, free-standing health sciences center. With the support of the El Paso community, the Board of Regents and our dedicated faculty and staff, our vision for the campus is well within reach. From here, it's possible.



Leadership Beyond Borders

## President's Message

Tedd L. Mitchell, M.D.

Over the last few months as TTUHSC President, I have experienced the enthusiasm and the “can-do” attitude of the people of West Texas and the communities in which TTUHSC has a presence. This West Texas spirit, and the resilience it generates, is exemplified in the people of El Paso and in their tireless support of the TTUHSC PLFSOM.

TTUHSC has evolved into a competitive network of schools producing some of the finest health care professionals in the country while developing a top-notch research program recognized around the world.

The progress of the El Paso campus, from teaching third- and fourth-year medical school students and residents to its approval as a four-year medical school, is a remarkable accomplishment and it is exciting to see the school flourishing in its first year. The school's innovative curriculum and research opportunities, coupled with its long history as a West Texas health care provider, give me reason to believe El Paso will continue in its role as a leader and innovator in the field of medicine both in our state and nationally.

I am honored to be a part of this great institution and community.



PAUL L. FOSTER  
SCHOOL OF MEDICINE

BeyondBorders

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**Associate Academic Dean  
for Faculty Affairs  
and Development**

## Hoi Ho, M.D.

Hoi Ho, M.D., serves as the associate dean of faculty affairs and development, is a tenured professor of medicine and the director for the Advanced Teaching and Assessment in Clinical Simulation Center. Ho joined the faculty in 1986.

Born in Hoi An, Vietnam, Ho received his medical degree in 1972 and completed his residency training in internal medicine in 1977, both at the University of Saigon School of Medicine. After coming to the U.S., he completed a fellowship in hematology-oncology at the Wadley Institute of Molecular Medicine in Dallas, Texas, in 1983 and an additional residency in internal medicine at TTUHSC-El Paso in 1986. Ho is certified by the American Board of Internal Medicine in internal medicine, infectious diseases and geriatric medicine.

Ho is nationally and internationally recognized as an expert in the field of infectious diseases and is often called upon to provide expert opinion for special cases. Ho's passion is educating medical students to become the best physicians they can through the use of leading edge technology. This is evidenced by the many awards he has received over the years including the TTUHSC President's Distinguished Faculty Service Award, the TTUHSC Internal Medicine Department Residents' Outstanding Faculty Award for 17 consecutive years, the Clinical Faculty Award for Clinical Excellence, the President's Excellence in Teaching Award, the Dean's Award for Innovation in Medical Education, and the Students' Lifetime Teaching Award.



**Associate Dean  
for Student Affairs**

## Kathryn Horn, M.D.

Kathryn Horn, M.D., has served as the associate dean for student affairs since 2007. Previously, Horn served as the clerkship director in the Department of Family and Community Medicine from 2000 to 2007. She is also an associate professor in that department and served as program director and regional chair of Family Medicine from 1988 to 1993. She is board certified in family medicine.

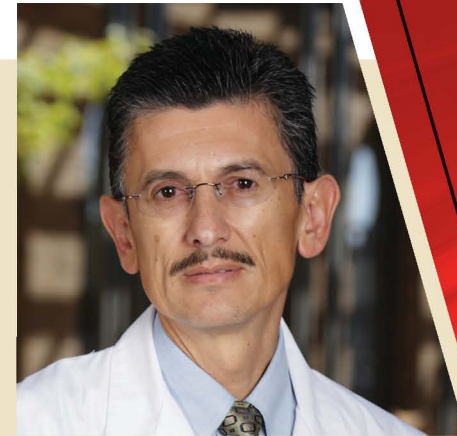
Horn received her medical degree from Baylor College of Medicine in Houston and completed a residency in family medicine at TTUHSC-El Paso. She also completed a fellowship in academic preparation in research, teaching and administration from the Faculty Development Center of Texas in Waco.

## Leadership Beyond Borders

### Armando Meza, M.D.

Armando Meza, M.D., is an associate professor of medicine, associate dean for graduate medical education and chief of infectious diseases. Meza underwent his internal medicine residency at TTUHSC-El Paso and subsequently his infectious diseases training at the University of Texas Medical Branch of Galveston. Meza has developed a career in academic medicine and from

2002 to 2009 was the Internal Medicine Residency Program director. His current focus is on the oversight of residency training programs and development of fellowship training in the context of a new medical school.



Associate Academic Dean  
for Graduate Medical Education

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

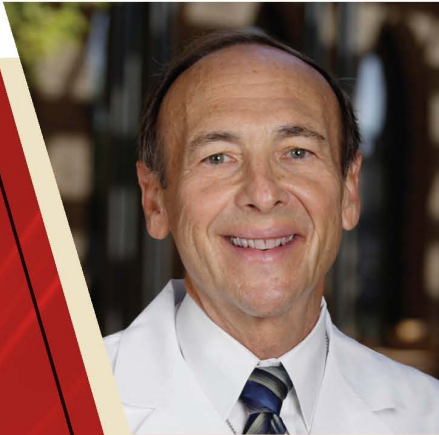
Charles C. Miller, III, Ph.D., holds appointments as professor of biomedical sciences, chair of Biomedical Sciences and associate dean for the Graduate School of Biomedical Sciences in collaboration with TTUHSC-Lubbock.

Prior to joining TTUHSC Paul L. Foster School of Medicine, he was professor and vice chair for research in the Department of Cardiothoracic and Vascular Surgery, University of Texas Health Sciences Center at Houston. He held appointments as professor at the Center for Clinical Research and Evidence Based Medicine, and as a professor of epidemiology at the University of Texas Health Sciences Center at Houston. After two years in the biotechnology industry, Miller first began his academic

career at Baylor College of Medicine in Houston in 1993 as assistant professor in the Department of Medicine, Pulmonary/Critical Care Section and Design and Analysis Unit. He then held the position of chief of the Division of Clinical Research and Outcomes, Department of Surgery, also at Baylor until 1999. He was associate professor and then professor and vice chair for research in the Department of Cardiothoracic and Vascular Surgery at the University of Texas Health Sciences Center at Houston from 1999 until his recruitment to TTUHSC in 2009.



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



Associate Dean  
for Admissions and Recruitment

### Manuel Schydlower, M.D.

Manuel Schydlower, M.D., heads the Office of Admissions. He serves as a professor of pediatrics and maintains a clinical practice in pediatrics and adolescent medicine at an off-campus community clinic.

Prior to his present position, Schydlower served as the assistant dean for medical education at TTUHSC with oversight of medical student affairs, graduate medical education and directorship of the Transitional Year Residency Program. Before joining TTUHSC, Schydlower retired as a colonel from William Beaumont Army Medical Center in El Paso, where he served as chief of the Department of Clinical Investigation, director of the

Combined Medicine-Pediatrics residency and director of the Adolescent Medicine fellowship program. During part of his time in the military, he also served as consultant to the Army surgeon general in adolescent medicine. Schydlower is a past national president of the Society for Adolescent Medicine and past national chairman of the Committee on Substance Abuse of the American Academy of Pediatrics. He has chaired or served on several committees and task forces for both organizations.



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## Leadership Beyond Borders

### David J. Steele, Ph.D.

David Steele, Ph.D., is a professor in the Department of Family and Community Medicine with a joint appointment in the Department of Medical Education. Steele joined the TTUHSC Paul L. Foster School of Medicine in July 2007. Steele is a medical educator with more than 25 years experience as a teacher and administrator. Prior to joining TTUHSC, Steele served as the associate dean for curriculum and evaluation and director of the Office of Medical Education at Florida State University College of Medicine. Steele received his honors B.A. in anthropology and psychology from the University of Utah and his master's and Ph.D. in socio-cultural anthropology, with a minor in Educational Policy Studies, from the University of Wisconsin-Madison. Upon completing his doctorate, he was awarded a two-year NIMH postdoctoral fellowship in

behavioral medicine and health psychology co-sponsored by the Department of Psychology and by the Division of General Internal Medicine in the Department of Medicine at the University of Wisconsin.

Steele's interests include physician-patient communication, innovation and change in medical education, small group teaching and learning, learning preferences and styles, and the application of the social and behavioral sciences to medical education and practice.



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

### Frank G. Stout

Frank G. Stout was appointed associate dean for finance and administration, chief financial officer for the Paul L. Foster School of Medicine and assistant vice president for fiscal affairs in February 2008.

Stout began his career at the National Cancer Institute (NCI) of the National Institutes of Health as a research biologist working on human bone marrow transplantation teams and then moved to the Office of the NCI Director managing the NCI Comprehensive Cancer Center grants and contracts awarded to universities and corporations. In 1978, he joined the Dana-Farber Cancer Institute of Harvard Medical School as the deputy director of research administration and finance and in 1981 he became the

director of research administration and finance at the New England Medical Center. In 1986, Stout became the first administrative officer for the University of Maryland Center for Advanced Research in Biotechnology.

He was recruited back to Boston in the middle of 1987 to the Tufts-New England Medical Center as the vice president for research administration and finance. In 1994, the additional responsibility of acting vice president for clinical operations was added to Stout's position. In 2000, Stout moved to Emory University/Emory Health Sciences as vice president for research administration and finance.



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

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# Education

Beyond

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## KNOWLEDGE BEYOND BORDERS

Studying at an international border introduces students to the reality that a person's circumstances, including the location of their birth, determine the quality and quantity of healthcare that person may receive. Students learn that their decision to become a physician provides them with an opportunity to help those most in need.

Education

Beyond  
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## Education Beyond Borders

# Curriculum

Integration is the key to the curriculum of the Paul L. Foster School of Medicine. Unlike a traditional medical school, which requires students to wait until their third year of studies before they are introduced to the clinical sciences, students are immersed into the basic and clinical sciences in their first year. Students learn anatomy, biochemistry, physiology and other basic science concepts and content needed to understand specific clinical presentations (e.g., the patient with chest discomfort). From the first day of medical school, students are taught to think like a doctor. Active learning comes into play when students interact with highly complex mannequins that simulate everything from cardiac arrest to a vaginal birth in our Advanced Teaching and Assessment in Clinical Simulation Center. Standardized patients—individuals trained to act out symptoms of certain conditions—help students learn how to diagnose specific conditions while also developing their people skills.

(continue on page 16)

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Curriculum (continued from page 15)

Not only is the curriculum integrative, but students are also integrated into the community. At the only four-year medical school on the U.S./Mexico border, students interact with their diverse community through the Society, Community and Individual Course. The course combines medicine and public health by providing an arena that enhances Spanish language skills, provides an opportunity to experience community medicine and home visits while interacting with members of a healthcare team, and gives students the chance to experience culturally diverse populations.

The location of the TTUHSC Paul L. Foster School of Medicine provides students with insight into afflictions and circumstances known in developing counties, while still living in the United States. In the final two years of medical school, students interact with actual patients and gain knowledge in ways that no textbook or simulated situation could ever teach. These experiences provide students with the background to lead the nation in medical care and prevention upon graduation.

## Student Body

The Paul L. Foster School of Medicine received more than 2,500 applications for its charter class. On July 9, 2009, the 40 students chosen from the applicant pool took their place in history. These 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.

These students' undergraduate universities include Texas Tech University, the University of Texas (Austin, El Paso, San Antonio, Dallas, Arlington, Brownsville, Permian Basin), Sul Ross University and the University of Houston. Other undergraduate program represented in the inaugural class were the University of Michigan, Rensselaer, Princeton, Baylor, Emory, Rice, Johns Hopkins and Harvard.

Medical students from the TTUHSC-Lubbock have been training on the El Paso campus for their third- and fourth-year for more than 38 years. Once the inaugural class begins their third year in July 2011, these TTUHSC-Lubbock students will no longer train in El Paso.



## Education Beyond Borders

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## Campus Life

The inaugural class created student organizations that build a foundation of community involvement for years to come. They are:

- American Medical Student Association
- Christian Medical and Dental Association
- Emergency Medicine Interest Group
- Family Medicine Special Interest Group
- Global and Border Health Society
- Internal Medicine Student Interest Group
- Medical Students for Choice
- Medical Student Government
- Pediatrics Student Organization
- Psychiatry Interest Group
- Student Interest Group of Neurology
- Surgery Interest Group
- Texas Medical Association



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## Our Faculty

Faculty represent a global community. These high-caliber professionals from all over the world have come to El Paso to live, teach, conduct research and provide the best in patient care in a unique and conducive environment. More than 90 percent of our physicians are board certified. These physicians work at our central clinic, one of our community clinics, or in their own private practices where students are able to train. Many are fellowship-trained in specialties and subspecialties that will impact the health and welfare of El Paso's children, adolescents and elderly population. Our faculty members have achieved regional, national and international recognition in education, research, clinical care and academically related public service.

Our clinicians comprise the region's largest multispecialty practice group and provide services in the only Level I Trauma Center in a 280-mile radius. The talents offered by TTUHSC-El Paso clinicians create the ability to address critical medical conditions affecting many living on the border and across the nation.

Our clinical and basic sciences educators have designed and implemented a highly integrated and clinically oriented medical school curriculum unique to the Paul L.

Foster School of Medicine. The clinical faculty provides training for nine residency programs and one fellowship program. In order to do this, the Paul L. Foster School of Medicine has focused on hiring the finest medical educators to continue growing generations of physicians and community medical leaders.



New Faculty 2009 / 2010

Education Beyond Borders

*Ghalib Alkhatib, Ph.D.*  
Biomedical Sciences

*Ogechika Alozie, M.D.*  
Internal Medicine

*Anoop Ayyappan, M.D.*  
Radiology

*Fernando Azarcon, M.D.*  
Radiology

*Jose Burgos, M.D.*  
Internal Medicine

*Dora Carcoba, A.C.N.P.*  
Anesthesiology

*Brenda Castells, M.D.*  
Psychiatry

*Rodrigo Ceballos, M.D.*  
Family and Community Medicine

*Rodrick Chiodini, Ph.D.*  
Internal Medicine

*Jonathan Cook, M.D.*  
Orthopaedic Surgery

*Guadalupe Dominguez, A.C.N.P.*  
Anesthesiology

*Huanyu Dou, M.D.*  
Biomedical Sciences

*Michael Escamilla, M.D.*  
Psychiatry

*Mark Francis, M.D.*  
Internal Medicine

*Maureen Francis, M.D.*  
Internal Medicine

*Amalia Geller, M.D.*  
Neurology

*Richard Guerrero, M.D.*  
Internal Medicine

*Rosalina Guerrero, R.N., A.N.P./G.N.P.*  
Internal Medicine

*Elizabeth Hare, Ph.D.*  
Biomedical Sciences

*Jesus Hernandez, M.D.*  
Internal Medicine

*Charl Holmes, W.H.N.P.*  
OB/GYN

*Courtney Holmes, R.N., F.N.P. – C.*  
Pediatrics

*David Isaac, M.D.*  
Pediatrics

*Bert Johansson, M.D., Ph.D.*  
Biomedical Sciences

*Anjali Joshi, Ph.D.*  
Biomedical Sciences

*Naomi Lacy, Ph.D.*  
Family and Community Medicine

*Cielo Manriquez, M.D.*  
Internal Medicine

*Carla Martinez, M.D.*  
OB/GYN

*Iris Martinez, A.C.N.P.*  
Surgery

*Tracey Martinez, A.C.N.P.-C.*  
Surgery

*William McIlvaine Jr., M.D.*  
Anesthesiology

*Melissa Mendez, M.D.*  
OB/GYN

*Adrian Michael, M.D.*  
Internal Medicine

*Susan Morris, M.D.*  
Internal Medicine

*Debabrata Mukherjee, M.D.*  
Internal Medicine

*Ralph Nussbaum, D.O.*  
Anesthesiology

*Alice Nyakeriga, Ph.D.*  
Biomedical Sciences

*Cecilia Olivas, F.N.P.-C.*  
Neurology

*Julian Paniagua, M.D.*  
Pediatrics

*Michael Parsa, M.D.*  
Emergency Medicine

*Jesus Peinado, M.D.*  
Pediatrics

*Mercedes Ramirez, M.D.*  
Psychiatry

*Luis Ramos-Duran, M.D.*  
Radiology

*Sonia Rebeles, M.D.*  
OB/GYN

*Roberta Romero, F.N.P.-C.*  
Internal Medicine

*Tammy Salazar, Ph.D.*  
Family and Community Medicine

*Stephen Sandroni, M.D.*  
Medical Education

*Irene Sarosiek, M.D.*  
Internal Medicine

*Gurjeet Shokar, M.D.*  
Family and Community Medicine

*Navkiran Shokar, M.D., M.P.H.*  
Family and Community Medicine

*Tariq Siddiqui, M.D.*  
Internal Medicine

*Sandesh Subramanya, Ph.D.*  
Biomedical Sciences

*Leigh Torres, R.N.C., N.N.P. – B.C.*  
Pediatrics

*Daniel Vallejo, F.N.P. – C.*  
Surgery

*Javier Vasallo, M.D.*  
Internal Medicine

*Henry Weisman, M.D.*  
Psychiatry

*Justin Wright, M.D.*  
Family and Community Medicine

*Juan Zavala, M.D.*  
Psychiatry

*Mingtao Zeng, Ph.D.*  
Biomedical Sciences

*Jun Zhang, Ph.D.*  
Anesthesiology

*Rosalia Zubia, F.N.P. – C.*  
Emergency Medicine

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## Specialty Training

### Residency Program

The Paul L. Foster School of Medicine provides specialty training to doctors from around the nation through nine residency programs: Emergency Medicine, Family Medicine, Internal Medicine, Psychiatry, Obstetrics and Gynecology, Pediatrics, Radiology, Surgery and Transitional Year. A 10th program, Orthopaedic Residency, is sponsored by William Beaumont Army Medical Center with TTUHSC-El Paso faculty supervisory participation.

It is on the TTUHSC PLFSOM/University Medical Center campus where these resident physicians experience some of the most unique and rare conditions seen by doctors anywhere due to our proximity to Mexico. Once their training ends, these specialists become a force within the community and around the nation.



### Fellowships

Fellowships provide advanced training in a specialty area. Two fellowship programs are currently established in the Departments of Radiology and Emergency Medicine. The Department of Radiology's Imaging Fellowship Program provides fellows with fundamental knowledge and skills in all aspects of diagnostic imaging and therapy related to cross-sectional imaging. Training consists of blocks of monthly rotations through computed tomography, ultrasound, and magnetic resonance imaging, including musculoskeletal and cardiac CT and MRI as well as obstetrical/gynecological ultrasound. Obligations for research in cross-sectional imaging are provided.

The Department of Emergency Medicine's Medical Toxicology Fellowship directs fellows through a two-year intensive training program that includes didactics, outpatient and inpatient toxicology consultations, research, and teaching of residents and students. Medical toxicology is a subspecialty of medicine practiced by physicians called toxicologists. Toxicologic knowledge is often used in emergency medicine, occupational medicine and pediatrics. It is applied in the assessment and treatment of acute or chronic poisoning, adverse drug reactions, overdoses, envenomations and chemical exposures.

## Education Beyond Borders

### Continuing Medical Education

The role of the Continuing Medical Education (CME) office is to provide quality educational programs for TTUHSC-El Paso faculty, community physicians and other health professionals in the region.

The educational opportunities are based on evidence-based medicine and adult learning principles. These educational programs impact the provision of health care in El Paso and beyond by capitalizing on our world-class faculty and state-of-the-art facilities. Content of activities sponsored by the CME office includes primary care, specialty and subspecialty topics that fulfill identified

needs and produce changes in physician practices resulting in improved competence, performance and/or patient care. As a result of these educational activities, the CME office fosters the continuing professional development of health professionals.



## Specialty Training

### Faculty Development

The Paul L. Foster School of Medicine features a robust faculty development program. Opportunities for faculty development include the Faculty Development Course, Advanced Teaching and Technical Writing Course, Faculty Mentoring Program, and Leadership Development. Topics covered include adult learning, effective teaching, evidence-based medicine, technology in medical education, clinical research and career development. These programs provide faculty members with an opportunity to continue to grow their teaching, leadership and research skills while interacting with colleagues from other departments.





## Education Beyond Borders



### Hispanic Center of Excellence

The Paul L. Foster School of Medicine addresses health issues specifically found in our border region through the Hispanic Center of Excellence (HCOE). The main focus of the HCOE is to improve the academic achievements of students and facilitate the advancement of Hispanic faculty members. Activities include: expanding recruitment programs; developing a pipeline of students from the border region; building and enhancing faculty development opportunities; resident leadership development; exposure to culture and medicine; facilitating research related to health issues predominant in our region; and strengthening our community presence among our underserved and disadvantaged populations.





# Patient Care

Beyond  
Borders

## CURES BEYOND BORDERS

As a teaching and patient-care entity, Texas Tech University Health Sciences Center-El Paso physicians train continuously, enabling them to diagnose and treat rare conditions that may have eluded diagnosis for years. It is our goal to go beyond expectations when it comes to patient care.

Patient Care

Beyond

BORDERS

## Patient Care Beyond Borders

*Our Physicians. Your Care.*

### Paul L. Foster School of Medicine Physicians

Our doctors have important roles: teaching future physicians, providing the highest quality patient care available and conducting research. These three areas meld together to form some of the finest doctors in the region. This requires doctors to stay on top of the latest developments in medicine in order to provide the best treatment for patients and top-notch training to resident physicians and medical students. They also use the knowledge they gain from each patient visit to delve deeper into illnesses through research. This environment creates the ideal circumstances to diagnose and treat challenging medical conditions and find associations between genetic, environmental and cultural factors that become building blocks to finding a cure.

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*Our Physicians. Your Care.*

## Resident Physicians

Resident physicians are doctors in the process of developing their area of specialty. They dedicate three to five years, depending on that specialty, to work directly with faculty who are seasoned physicians to refine their craft. At the Paul L. Foster School of Medicine/University Medical Center campus, these physicians treat not only the most common conditions in their specialty, but also the rarest. With guidance from faculty, resident physicians gain knowledge that other doctors around the country may not be privy to at this phase in their careers.

## Texas Tech Physicians

Physicians and other healthcare providers belong to a network of physicians called Texas Tech Physicians. Texas Tech Physicians is made up of more than 500 physicians, nurse practitioners and physicians assistants across four campuses...the largest network of physicians and healthcare professionals in West Texas. These providers have served El Paso and West Texas for nearly 40 years. At the core of Texas Tech Physicians are more than 200,000 patients served each year. 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 that knowledge on to medical students, residents and physicians studying in fellowships.

Our offices  
provide services  
in the following  
areas:

**(915) 783-5555**

- Family Medicine and Community Health
- Internal Medicine
- Neurology
- Obstetrics/Gynecology
- Orthopaedic Surgery and Rehabilitation
- Pathology
- Pediatrics
- Psychiatry
- Surgery
- Breast Care



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## Patient Care Summary

### General Information

Full-time Faculty	236
Part-time Faculty	38
Clinical Faculty	259
Physicians	195
Support personnel	908
Medical Students	195

### Clinical Visits by Department

Community Partnerships (Family Medicine)	8,037
Epilepsy	1,847
Family Medicine	21,551
Internal Medicine	41,944
Neurology	2,504
Neurosurgery	1,245
Obstetrics/Gynecology	33,942
Orthopaedics	16,080
Pediatrics	88,786
Psychiatry	4,964
Surgery	11,853
Ophthalmology	6,498
University Breast Care Center	7,155
<b>Total Visits</b>	<b>246,406</b>

### 2009/2010 Financial Report

State Funds	\$41,700,000.00*
General Designated	\$1,590,000.00*
MPIP Revenue	\$43,377,475.84
Restricted Grants & Contracts	\$10,000,000.00*

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

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## Patient Care Beyond Borders

# Locations

### CENTRAL

**Texas Tech Physicians of El Paso**  
(915) 545-6500  
4801 Alberta Ave.

**Texas Tech Physicians of El Paso –  
University Breast Care Center**  
(915) 545-6400  
4801 Alberta Ave.

**Texas Tech Physicians of El Paso –  
Psychiatry and Neurology**  
(915) 532-2202  
(Basement of El Paso Psychiatric Center)  
4615 Alameda Ave.



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### EAST

**Texas Tech Physicians of El Paso –  
Pediatrics - East**  
(915) 855-9037  
11861 Physicians Dr.

### NORTHEAST

**Texas Tech Physicians of El Paso -  
Family and Community Medicine Center**  
(915) 757-2581  
9849 Kenworthy St.

### SCHOOL-BASED CENTERS

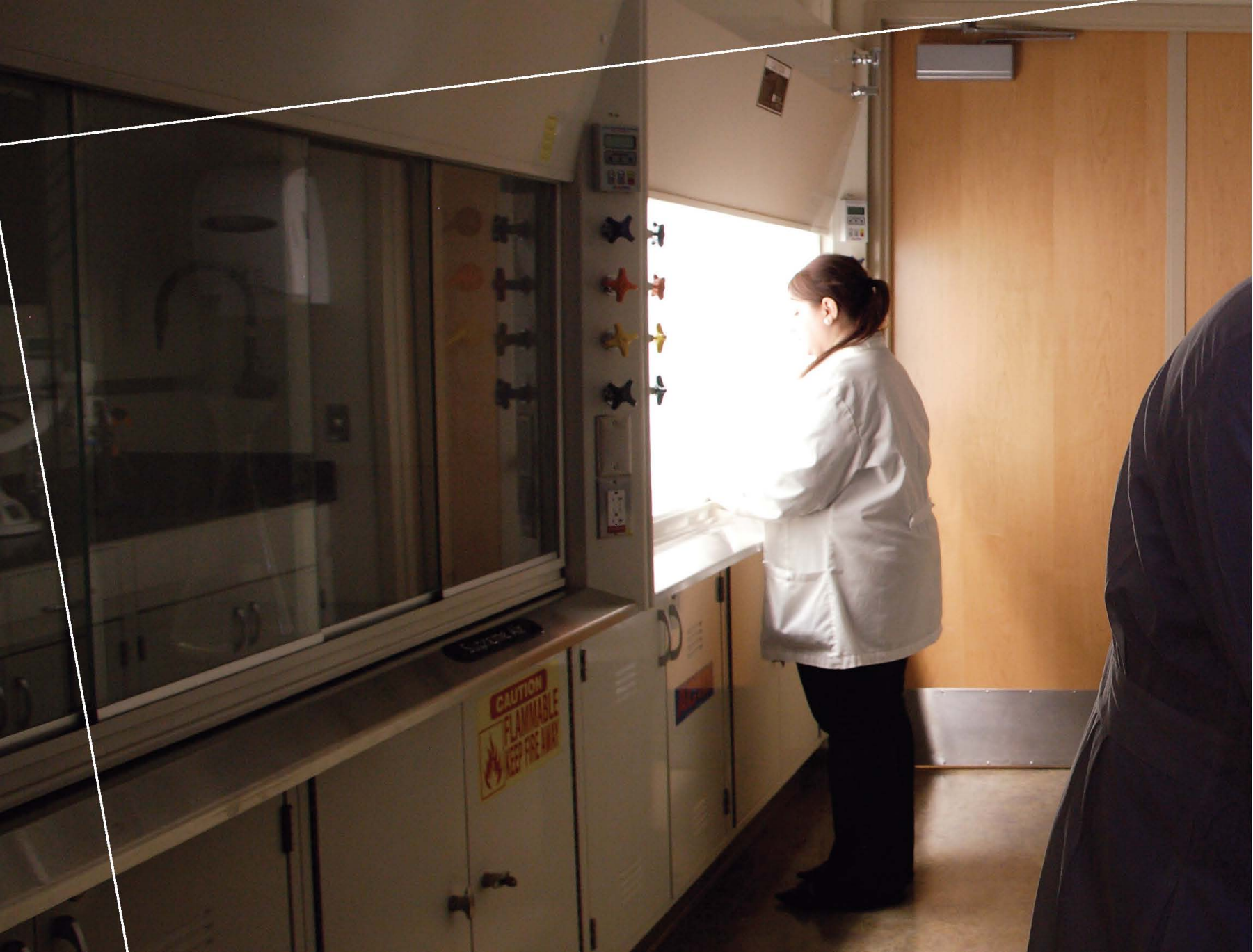
**Texas Tech Physicians of El Paso -  
Montwood Wellness Center**  
(915) 856-5760  
11950 Bob Mitchell Dr.

**Texas Tech Physicians of El Paso -  
Child Wellness Center**  
(915) 852-1380  
12583 Darrington Rd.,  
Horizon City, TX

### TEXAS TECH PHYSICIANS COMMUNITY PARTNERSHIP CLINICS

**Texas Tech Physicians Community  
Partnership Clinic – Fabens**  
(915) 764-6220  
600 NE Fourth St.  
Fabens, TX

**Texas Tech Physicians Community  
Partnership Clinic – Socorro**  
(915) 859-0817  
313 Rio Vista Road  
Socorro, TX



CAUTION  
FLAMMABLE  
KEEP FIRE AWAY



# Research

Beyond

Borders

## PASSION BEYOND BORDERS

Paul L. Foster School of Medicine researchers are dedicated to uncovering the intricacies of diseases such as AIDS, diabetes and breast cancer in hopes of finding treatments and one day cures. Here, researchers strive to end the devastation of these diseases and help patients find the quality of life they deserve.

Research

Beyond

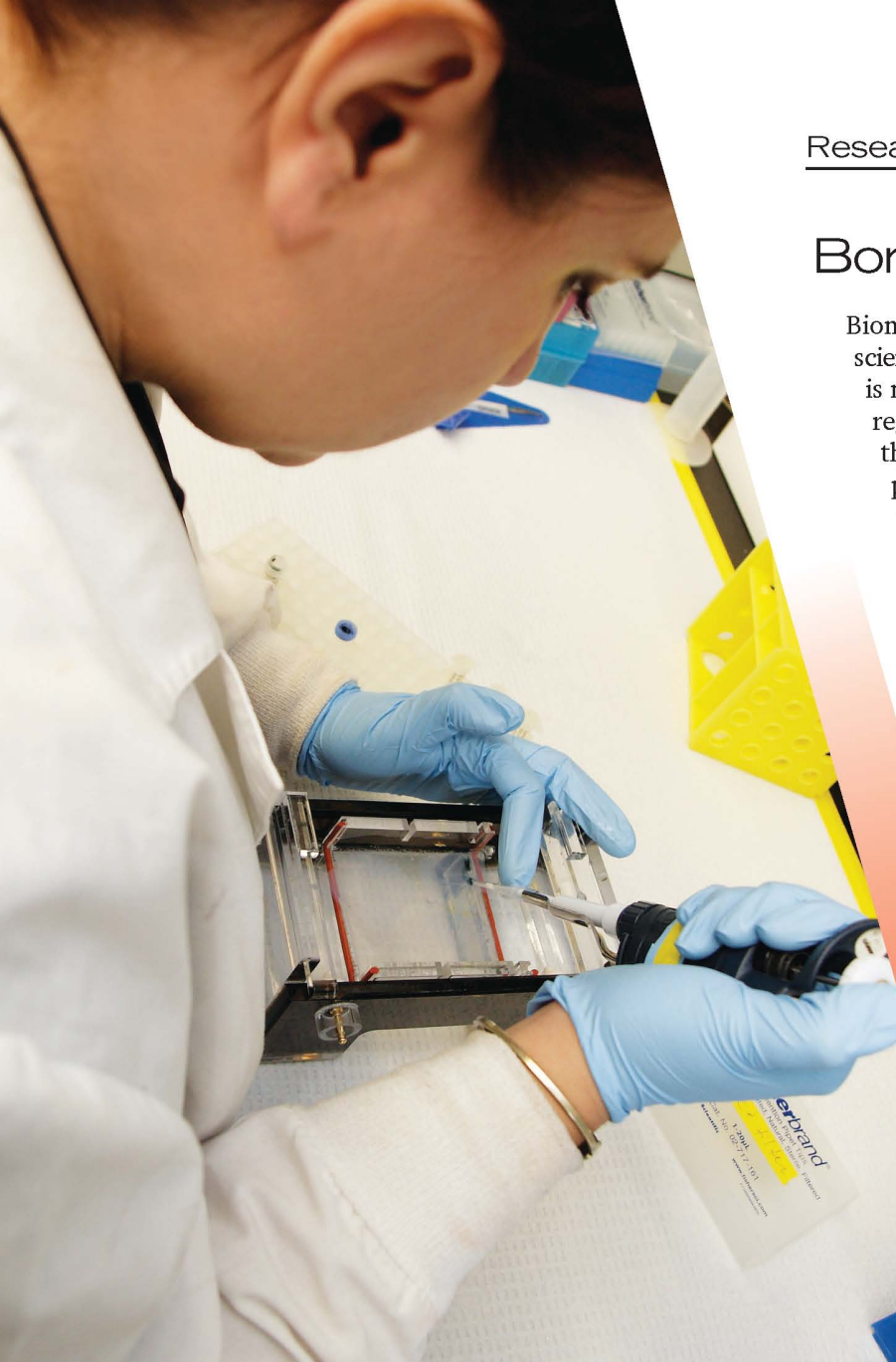
BORDERS

## Border Health Research

Biomedical research conducted locally by scientists who live and work in the community is necessary to improve health in this unique region of the country. Also of great importance is the community's engagement in these research programs to promote economic development in the immediate area and throughout the region.

Over the last year, research monies sponsored by the National Institutes of Health (NIH) increased more than threefold from roughly \$2 million to \$7 million. Internationally recognized scientists now call El Paso home thanks to the unique research opportunities along the border and its thriving health sciences industry. The Paul L. Foster School of Medicine laboratories are equipped with the latest technology vital to much of the strategic research taking place.

The Paul L. Foster School of Medicine has established biomedical research programs in four areas of significant need along the U.S./ Mexico Border. They are the centers of excellence (COE) in infectious diseases, diabetes and obesity, cancer, and neurosciences.



## Centers of Excellence

### CENTER OF EXCELLENCE IN INFECTIOUS DISEASES

Cross-border infectious disease transmission is a significant public health concern. For example, last year's H1N1 influenza epidemic started in Mexico, placing the Paul L. Foster School of Medicine on the frontlines of this epidemic.

Today, the school has developed NIH-funded programs in West Nile virus, influenza, HIV and St. Louis encephalitis. West Nile and St.

Louis encephalitis viruses can cause devastating brain infections in humans and there is no treatment or vaccine for these infections. The Center of Excellence in Infectious Diseases has a vaccine development program that is attempting to develop mucosal vaccines against ordinary seasonal infections and also against infectious agents that might be used as biological weapons.

Infectious disease research is important for human health and for border security.

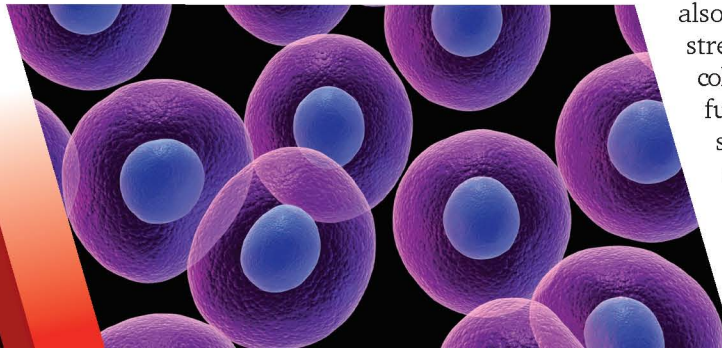
### CENTER OF EXCELLENCE IN NEUROSCIENCES

The interactions of genetics and environment in the development of psychiatric disorders such as schizophrenia and bipolar disorder

are poorly understood. This is especially true in Hispanic populations. The Center of Excellence in Neurosciences is developing a large NIH-funded program in psychiatric disorders in Hispanic populations with goals toward identifying the genes that underlie major mental illnesses and developing treatment strategies.

This research program focuses on Latino populations in the U.S. and in Latin America.

The Center of Excellence in Neurosciences is also working on developing post-traumatic stress and traumatic brain injury programs in collaboration with Fort Bliss. In addition, recent funding is allowing for the development of special senses programs in genetic diseases of the eye and in optic nerve trauma.



## Research Beyond Borders

### CENTER OF EXCELLENCE IN CANCER

The Center of Excellence in Cancer aims to apply novel concepts, methodologies and technologies related to cancer research. Members of the Center of Excellence in Cancer have full access to state-of-the-art facilities for the study of genes and proteins critical to studying cancer, especially those with disproportionate impacts on Hispanic populations on the border. For example, breast cancer represents a higher proportion of all cancer mortality among Hispanic women than among women of other ethnicities, so a significant basic science effort in Hispanic breast cancer is underway. Similarly, screening rates are low in Hispanics (44 percent of Hispanics in Texas did not have health insurance in 2007), therefore, the Center of Excellence in Cancer is developing screening research programs that target barriers to colon cancer screening in this population. This program is funded by the NIH.

### CENTER OF EXCELLENCE IN DIABETES AND OBESITY

Diabetes and obesity are significant public health problems in Hispanic populations and the El Paso region is no exception. TTUHSC-El Paso is conducting a national search for a director for this center of excellence.



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## 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 is implemented for the best translation of findings to knowledge in the care of patients, the enhancement of education and the advancement of science. The 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 all faculty members.

Division members also teach medical education curriculum 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 the Texas Tech University Health Sciences Center and other institutions through NIH-funded research projects that study problems such as vaginal microbicide development, neurologic and cardiologic degeneration due to retroviruses and their treatment, and barriers in cervical cancer screening in Hispanic populations.



## Research Beyond Borders



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## Partnerships

The Department of Research staff has worked closely with our partners at the University of Texas at El Paso, the UT-Houston School of Public Health and the Medical Center of the Americas Foundation. A common goal of these multi-institution partnerships is to raise the level of research activity and the quality of science being developed in the region. The research department is establishing relationships with the Center for Clinical and Translational Sciences at UT-Houston, and has developed medical student summer research program ties to the Methodist Hospital Research Foundation in Houston.

## Growth

Two years new, the Paul L. Foster School of Medicine is already expanding its facilities. With Medical Science Building I now filled to capacity, TTUHSC-El Paso needs to provide additional space for new hires. An additional 5,000-square-foot building adjacent to Medical Science Building I is now under construction. The additional square footage will allow for the expansion of growing numbers of personnel and programs developing under research. In the coming year, TTUHSC-El Paso will be undertaking a campus-wide strategic planning process that will include facilities planning.





# Special Events and Projects

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# White Coat Ceremony

The Paul L. Foster School of Medicine celebrated its first White Coat Ceremony for the inaugural class of 40 students—the Class of 2013—at the Plaza Theater on August 1, 2009. The ceremony is designed to clarify for students, prior to their entrance into the medical community, that a physician’s responsibility is to take care of patients and to care about patients. The students wrote their own oath and recited it after receiving their white coats.

The keynote speaker at the ceremony was Abraham Vergheze, M.D., professor of medicine and senior associate chair for the theory and practice of medicine at Stanford University. Vergheze is the author of three widely acclaimed books – the latest being “Cutting for Stone.” Other speakers were Jose Manuel de la Rosa, M.D., founding dean of the Paul L. Foster School of Medicine; Kent R.Hance, TTU System chancellor; John C. Baldwin, M.D., former TTUHSC president; Kathryn Horn, M.D., associate dean for student affairs; and Manuel Schydlower, M.D., dean for admissions.

Sponsored by the Arnold P. Gold Foundation, this time-honored ceremony is dedicated to fostering humanism in medicine. The ceremony was initiated for the entering class of the College of Physicians and Surgeons of Columbia University in New York City in 1993. Since that time, the foundation has helped sponsor white coat ceremonies at medical schools throughout the country.

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## Resident Physician Graduation

Commencement exercises were held June 10, 2010, for 59 resident physicians who completed their specialty training in the nine residency programs on campus.

These recent graduates will have an immediate impact on healthcare in the El Paso region. Twenty-six resident-physician graduates chose to stay in Texas or New Mexico, 12 entered medical practice in El Paso and three remained at the Paul L. Foster School of Medicine as faculty. They are Jose Burgos, M.D., Department of Internal Medicine; Melissa Gomez, M.D., Department of Internal Medicine;

and Jesus Peinado Fragoso, M.D., Department of Pediatrics. Additionally, 17 residents were accepted into fellowship programs. New graduates in emergency medicine, family medicine, internal medicine, obstetrics and gynecology, orthopaedics, pediatrics, psychiatry and surgery became eligible for specialty certification by American boards of each specialty. Graduates of the Transitional Year Program proceeded to begin their training in one of these areas or other specialties.



- 
- University Medical Center
  - Children's Hospital of El Paso
  - Medical Center of the Americas Foundation
  - El Paso Psychiatric Center



# Our Partners



UNIVERSITY  
MEDICAL CENTER  
OF EL PASO

# Our Partners



## University Medical Center

University Medical Center (UMC) is the primary teaching hospital for the Paul L. Foster School of Medicine. UMC is El Paso's only not-for-profit, 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 that distinction three times, and is the only Level I Trauma Center within 280-miles of El Paso.



## The El Paso Children's Hospital

The El Paso Children's Hospital is expected to open its doors in spring of 2012. Paul L. Foster School of Medicine, the El Paso Children's Hospital, and UMC are continuing to recruit new pediatric specialists that will provide services to the patients seen at the new hospital.

The El Paso Children's Hospital's mission is to provide compassionate, coordinated, family-friendly care for children with a dedicated commitment to excellent patient outcomes, inclusive leadership and innovative pediatric research and education.





## Special Events and Projects

### Beyond Borders



### Medical Center of the Americas Foundation

The Medical Center of the Americas Foundation is a 501(c)3 nonprofit organization that works to advance the development of the MCA campus and to advance the Paso del Norte community research agenda. The 140-acre MCA campus is anchored by the Paul L. Foster School of Medicine, UMC, and soon, the El Paso Children's Hospital. The vision is to position the Paso del Norte region as the premier center of health delivery, education and research concentrating on issues unique to the Hispanic, border and military populations.



### El Paso Psychiatric Center

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

EPPC 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 from the age of 5 to the age of 12 and adolescents to the age of 17.

## Development

The Paul L. Foster School of Medicine and the TTUHSC School of Nursing have continued to be the beneficiaries of generous support from individual donors, foundations, and corporate and federal partners in fiscal year 2009-2010.

New and renewed commitments to the TTUHSC-El Paso in fiscal year 2009-2010 marked another great year in support of programs, faculty, research and our inaugural class of medical students. Over \$400,000 was awarded in scholarships to the charter class and during the spring semester of 2010. The institution also held its first ever Donor Appreciation Dinner for its donors and their scholarship recipients on campus. Many scholarship donors were able to meet their scholars for the first time, share stories and enjoy an evening of thanks.

The Annual University Breast Care Center Celebrate Life event raised more than \$180,000 in support of their work for the education, research and treatment of breast disease. Along with the University Breast Care Center, the Community Partnership Clinics and the Baby Café received continued support of their services. These healthcare services would otherwise be unavailable to the residents of El Paso County.

Paul L. Foster School of Medicine  
*Class of 2013 Oath*

*Presented with the opportunity to undertake the great privilege of becoming a physician, I pledge to the best of my ability to uphold this covenant:*

*My first consideration will always be the patients for whom I take this oath. I will remember that I do not treat an illness, but a person. In my service to humanity, I will strive to do no harm.*

*I will respect the background and life experiences of my patients.*

*I will guard the trust of my patients and respect their privacy.*

*I will be an advocate for my patients and provide care free from prejudice and injustice.*

*I will respect and honor those who have taught me the ways of the good physician, while retaining the courage to question intellectual carelessness.*

*When the time comes, I will dedicate myself to the training of the generations of physicians that follow. I will remember that art and science are the twin anchors of medicine. Without either, the profession cannot render its sacred function which is to heal.*

*I will remain committed to a lifetime of learning. I will educate and collaborate with my patients in order to prevent disease and achieve the highest quality of care. I will be prudent in my decision-making, considering all possible solutions and ramifications. I will recognize that the paramount decisions that I will make as a physician will affect the lives of the people around me.*

*I will remember that the success of a physician is rooted in teamwork. I will never let pride compromise the care of my patients. I will not be restrained by fear; and will seek out my peers when I am uncertain of the proper course of action.*

*I will approach with humility the great responsibility with which I am being entrusted. I will work in partnership with other members of the community for the good of humanity.*

*To these tenets, I pledge my fidelity for as long as I learn, teach, and practice medicine.*

*- Class of 2013*





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