Our HOPE *Makes* HISTORY...

The Future of Research

AS THE ONLY FOUR-YEAR MEDICAL SCHOOL ON THE U.S./MEXICO BORDER, the Texas Tech University Health Sciences Center Paul L. Foster School of Medicine will play a crucial role in identifying research that impacts those living along the border, primarily within the Hispanic population. But our focus will not end there.

Four Centers of Excellence have been established to provide an interdisciplinary and cross-discipline approach to translational, clinical and basic science research. The Centers will focus on Infectious Disease, Obesity/Diabetes, Breast Cancer Research and Neuroscience. This will help with medical student, resident and post-doctorial training in critical areas of science and medicine.

Manjunath Shankar, M.D., Ph.D, and Premlata Shankar, M.D., Ph.D., professors and co-directors of the Center for Infectious Diseases

Current research projects taking place include the study of whether small amounts of lead in the blood might cause chronic kidney disease; breast carcinogenesis; developing RNA interference (RNAi)-based treatment methods for HIV infection; and testing the therapeutic applicability of small molecules called siRNAs, to prevent and cure West Nile and St. Louis encephalitis viruses.

Medical Science Building I is home to the Department of Biomedical Sciences, which is committed to advancing knowledge through basic and clinical research. The design of the labs located there encourages the dissemination of knowledge between researchers – increasing collaboration and the potential for successful outcomes. Core labs focus on proteomics, genomics, cytometry and histology.

Gudmundur Thordarson, Ph.D. and Walter Imagawa, Ph.D.

The Biomedical Sciences Department is dedicated to establishing leadership in biomedical investigation and to training the next generation of researchers.

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

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