



TEXAS TECH UNIVERSITY SYSTEM™

TTUS Biannual Status Report University Research Collaborations

8/10/2023

TEXAS TECH
UNIVERSITY SYSTEM



Key Collaboration Initiatives

- ASU-MSU Faculty: Curriculum and Research
- TTU-TTUHSC: One Health Initiative
- TTU-TTUHSC-TTUHSC EP: Health Sciences



BUILDING RESEARCH TEAMS

- Create a community of researchers
- Foster innovative collaboration
- Encourage external proposal submission

Update on previous meetings

- November 2022 – has generated conversations, specifically in the Geosciences, with additional activity pending further follow-up
- April 2023 – virtual meeting between Biology and Chemistry; good participation, but widely varying research specialties and interests may limit potential for collaboration.

Upcoming meeting

- September 2023 – Focus on Engineering. NSF-CMMI program director will visit Wichita Falls to meet with faculty & give a seminar on NSF opportunities and proposal writing.

GrantForward: Matchmaking for researchers

Faculty are setting up profiles in GrantForward, a funding opportunity database to which both ASU and MSU have subscriptions. In addition to searching for targeted grant opportunities, faculty can use GrantForward to search for other researchers with interests in related areas, and filtering by institution can help us locate potential collaborators.



First joint proposal submission planned: NSF GRANTED Program

The proposed collaborative project aims to build and strengthen the research support and service enterprise at MSU Texas and ASU by creating and/or enhancing the services and infrastructure necessary for faculty and eligible staff to seek, apply for, and successfully manage research and education grants from NSF and other federal agencies.



- Concept outline submitted July 2023
- Full proposal submission target: early Fall 2023 (pending NSF feedback on concept outline)
- Principal Investigators:
 - Brittany Norman, Interim Director of Sponsored Programs & Research, MSU Texas
 - Katie Plum, Director of Sponsored Projects, ASU



BUILDING RESEARCH TEAMS

Hat Tip: Thanks to TTUHSC for IRB Assistance!

ASU recently received assistance from TTUHSC regarding an IRB reliance agreement with a local healthcare facility. The TTUHSC team led by Kristyn Sorensen, and including Karen Douglas, Shelby Grubelnik, and Leslyn Boyles, have been extremely helpful. They have freely shared policies, procedures, documents, and their experience. Leslyn Boyles is continuing to help us as we finalize our agreement. This truly represents the core value of 'community' that the system aims to cultivate among our institutions.

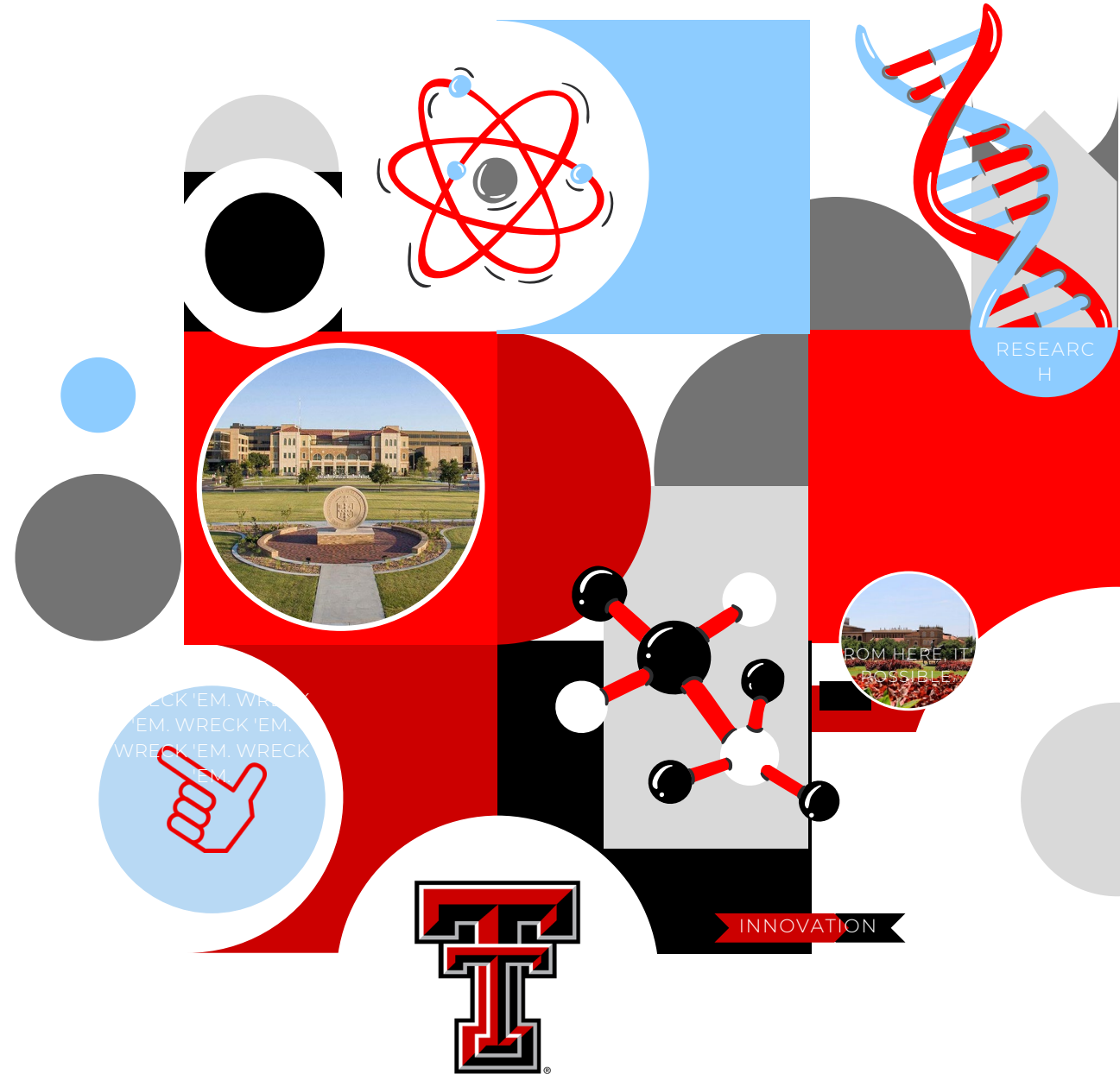


**INSTITUTIONAL
REVIEW
BOARD**



BUILDING RESEARCH TEAMS

Institute for One Health Innovation



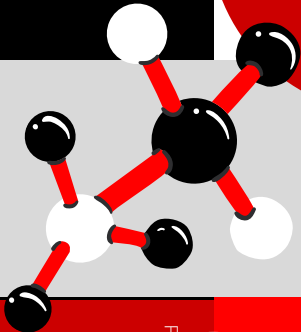
PROGRESS UPDATE

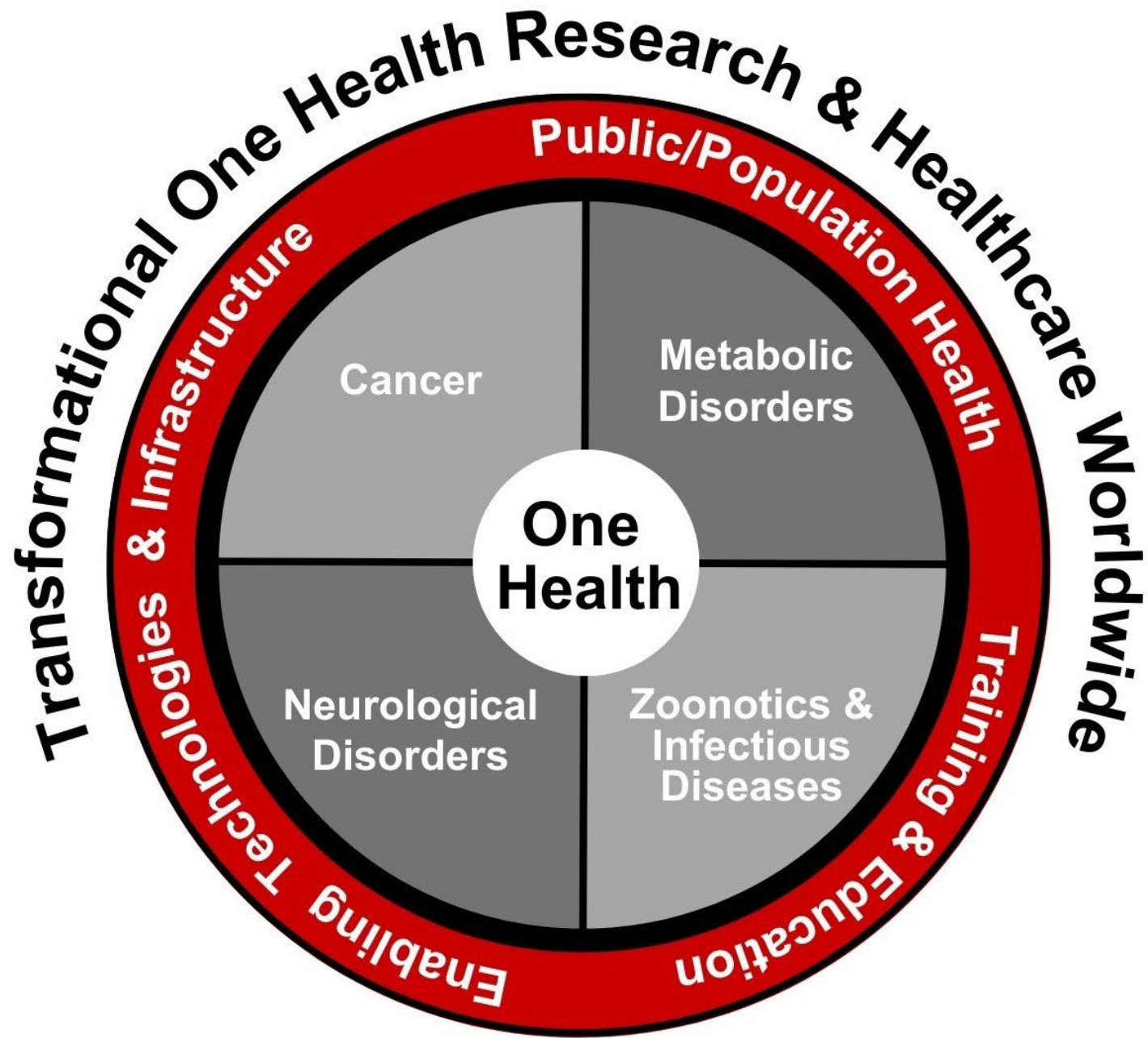
- Sustained increases in joint grant proposals and awards. Multiple joint research proposals in development.
- Finalized position description for Institute Center Director.
- Created charter for Institute, outlining mission, vision, structure, and operations.
- Identified courses and faculty qualified to teach in the One health doctoral program.
- Initiated the SACSCOC approval process for the first ever Joint Degree delivered between TTU and TTUHSC.
- Identified current research strengths, enabling technologies and infrastructure, and overarching research themes.



FROM HEALTH
TO RESEARCH

RESEARC
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6

Joint grant awards

\$1.1M

Funded

COLLABORATIONS LAST 6 MONTHS



4

Joint grant proposals

\$6.4M

Proposed

WHAT HAPPENS NOW?

Submission of \$4.9M
2023 LAR planning
request
(unsuccessful)

Late Summer Due to
unsuccessful LAR in the 2023
session, operational plans will
focus on Institute Director hire
with support staff

Fall 2023 Begin
recruiting next cohort
of PhD students for
Joint Degree

Summer 2023 meetings to
refine initial research and
curricular foci
(completed)

Late Summer/Early Fall
2023 initiate search for
initial OHI leader.

October 2024 complete
comprehensive OHI LAR
request for legislature with
specific items necessary for
advancing OHI



Texas Tech University System

Health Sciences

Collaboration Update

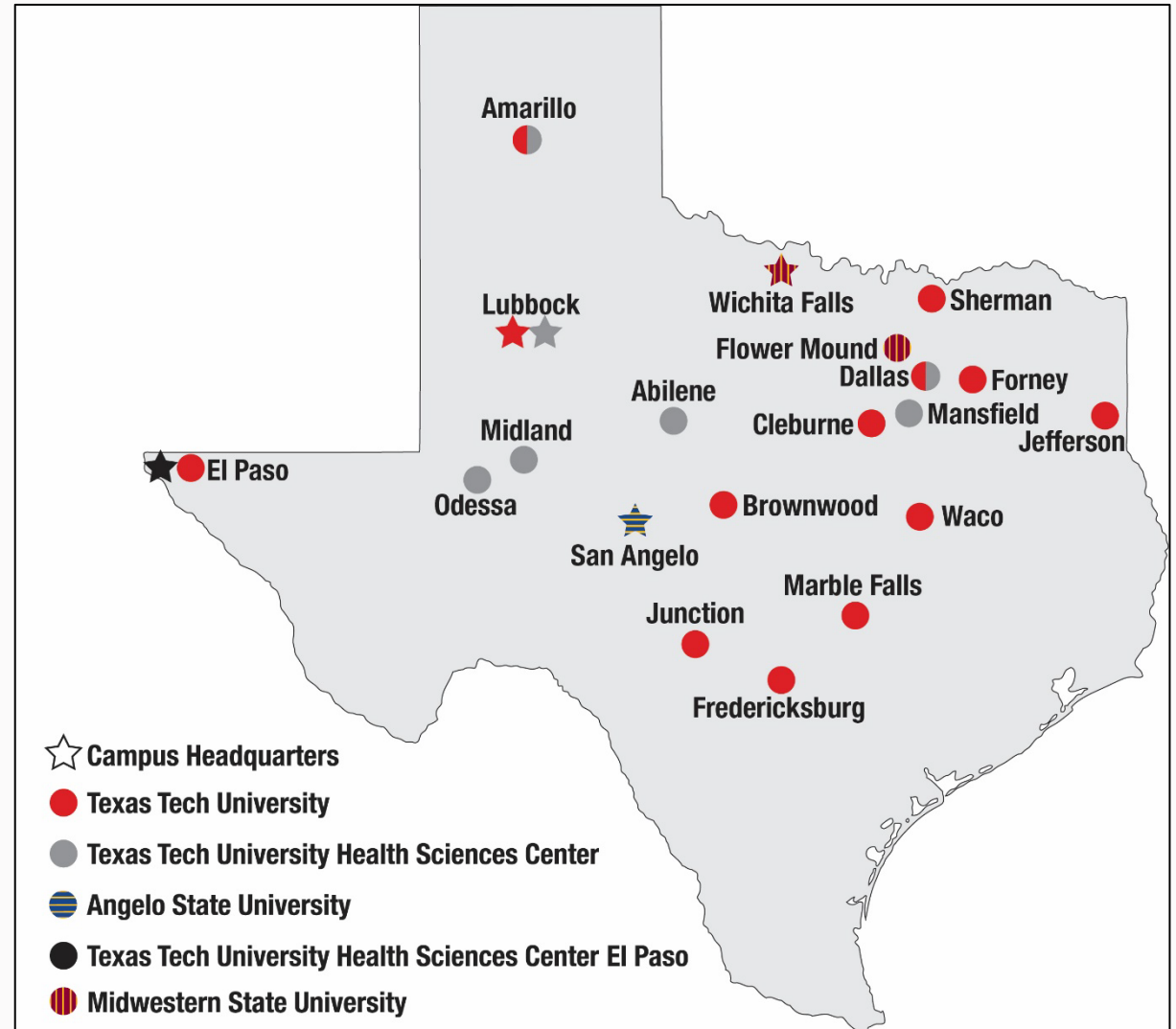
Board of Regents Meeting

August 10-11, 2023



Health Sciences Collaboration Update

- Cancer Centers
- Brain Repository
- Telemedicine/Telehealth
- Metabolism/Diabetes



Cancer Centers

- **System Totals Cancer Extramural Funding 2023**

 - \$9.6M Cancer Prevention and Research Institute of Texas 3 new awards**

 - \$3.5M National Cancer Institute 10 new and continuing awards**

- **TTUHSCs Cancer Centers**

 - Translational research**

 - Pediatric and adult cancers**



- **Hospital Partnerships**

 - University Medical Centers Lubbock and El Paso**

 - Covenant Hospital Lubbock**

Collaborative Brain Repository

- **TTUHSC EP Southwest Brain Bank**
- **TTUHSC Garrison Institute on Aging Brain Bank**
- **Standardize protocols and cataloguing**
- **Joint NIH Grant Submissions**



National Institute on Aging Alzheimer's Disease Research Centers

Telemedicine/Telehealth

- TTUHSC Institute for Telehealth and Digital Innovation
- TTUHSC and TTUHSC EP harmonizing approaches
- Share medical specialists
- Developing “apps” to prevent and treat disease
Permian Basin Internal Medicine and Diabetes



Metabolism/Diabetes

- TTU, TTUHSC and TTUHSC EP
- Joint meeting in Lubbock
- Joint grant submissions

Maternal health and nutrition

NIH “Food as Medicine”

Obesity Research Institute 8th Annual Meeting Diabetes: A Texas Sized Issue

May 3rd 10:00am-4:45pm
TTUHSC Lubbock

Featured speaker
Dr. Ralph DeFronzo

“Treatment of T2DM: A Rational Approach
Based Upon Its Pathophysiology”

Followed by:

- Student poster competition
- Short research highlights by TTUS Faculty on diabetes and other relevant topics
- Student and postdoc professional development session

**Register by
April 20th!**



THANK YOU

Deborah J. Clegg, PhD.

Joseph A. Heppert, PhD.

Lance R. McMahon, Ph.D.