TEXAS TECH UNIVERSITY SYSTEM™

TTUS: Strategic report on research collaborations and growth

2/23/2023

+

BUILDING RESEARCH TEAMS

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

PROGRESS UPDATE

- Researchers from ASU and MSU met on November 11, 2022 at the Abilene campus of the TTHSC.
- A total of fifteen research faculty representing several programs attended.
- Discussions focused on research interests, funding sources, and active projects.
- Discussions also included teaching methods and materials.
- After the meeting, communication about sharing resources has continued, (e.g. Geology).

Disciplines represented at 11/11 meeting	
Angelo State University	Midwestern State University
• Geosciences • History • Mathematics • Physics	• Chemistry • Computer science • Engineering • Geosciences • History • Mathematics

ASU + MSU TEXAS

BUILDING RESEARCH TEAMS

FUTURE PLANS

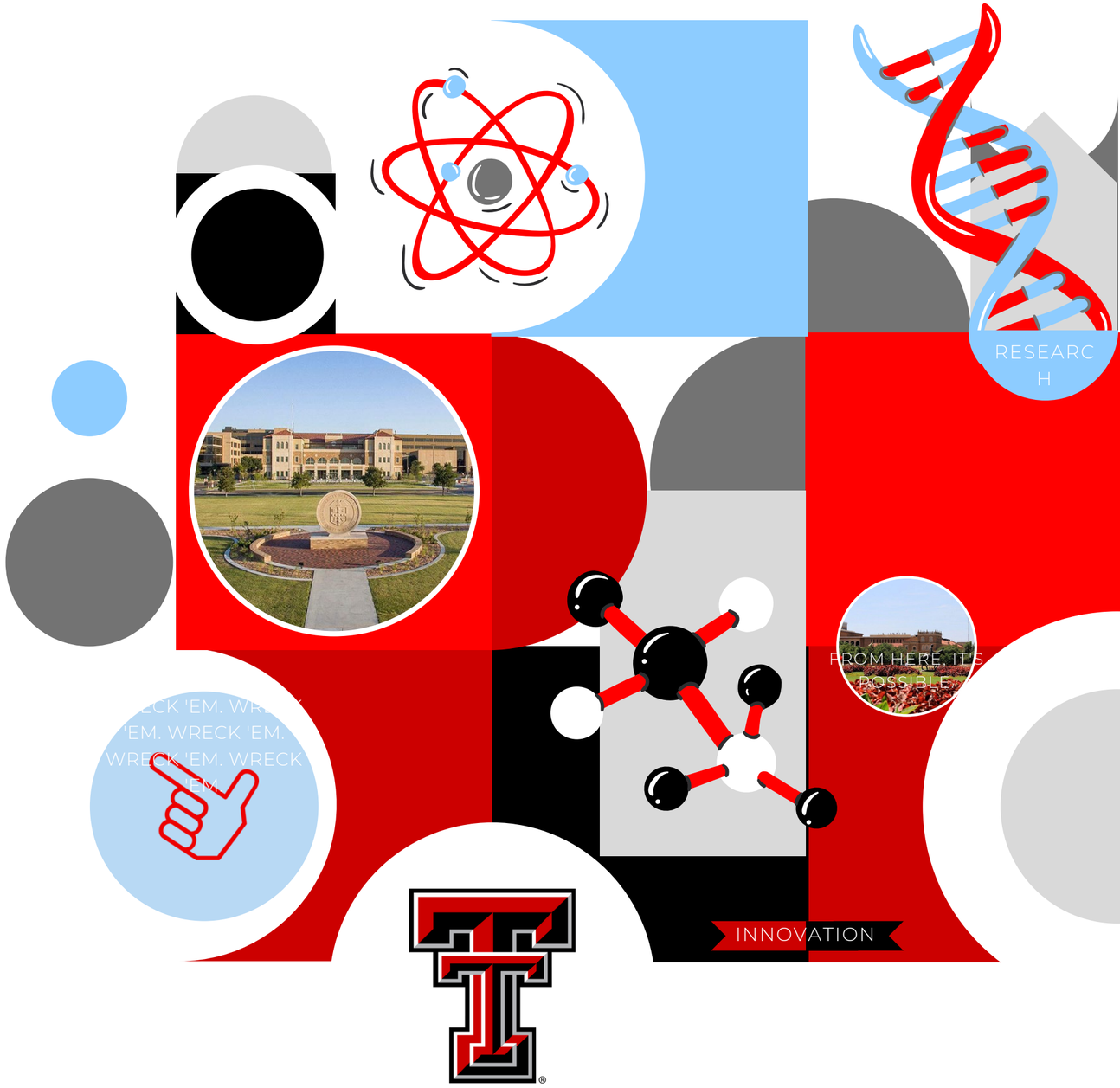
- Additional meetings between ASU and MSU are planned.
- These meetings need to be at each other's respective campuses in order to examine facilities, equipment, and collections.
- Mid-April is the target time period for the next meeting (at ASU).
- We will review collaboration opportunities over the summer.
- We believe that we are still on track for the submission of at least one collaborative research proposal by spring 2024.
- September meeting (at MSU) with a plan to meet with an NSF program officer.

ASU + MSU TEXAS

BUILDING RESEARCH TEAMS

THE IMPACT OF TOGETHERNESS

Inter-institutional collaboration involving TTU and TTUHSC.



TEXAS TECH UNIVERSITY
From here, it's possible.™

TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER™

JOSEPH A. HEPPERT, Ph.D.

TTU Vice President
for Research and Innovation

LANCE R. McMAHON, Ph.D.

TTUHSC Senior Vice President
for Research and Innovation

522

Joint publications

108

Joint grant proposals

COLLABORATIONS FROM

57

Joint grant awards

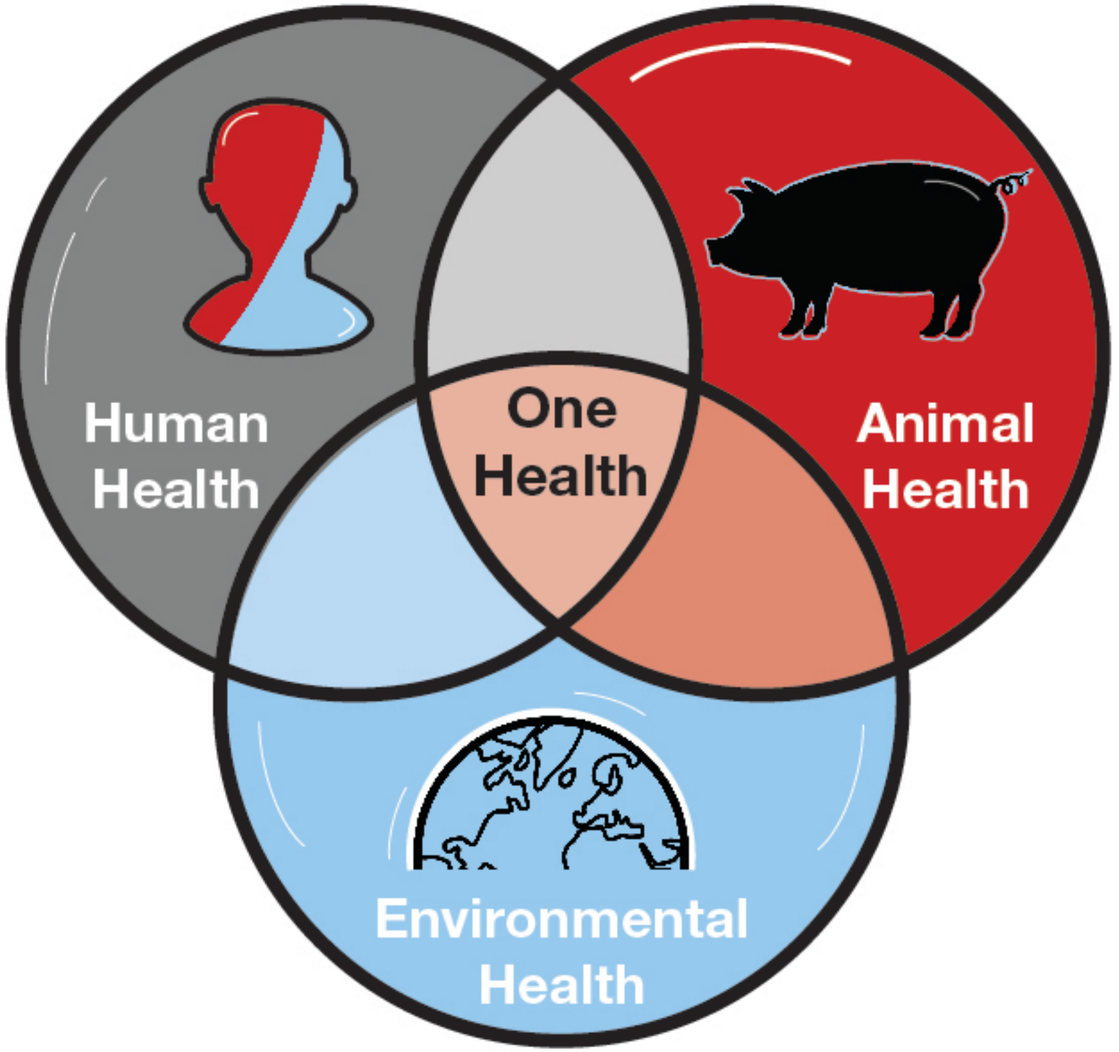
Joint Research Funding for: cancer, addiction studies, pain therapy, aging-related diseases, autoimmune disorders, genetics, drug interactions, speech therapy, medical devices.

National Endowment for the Arts Research Lab on the Arts, Health, and Social/Emotional Well-Being.

INSTITUTE FOR ONE HEALTH INNOVATION

Vision: Establish a One-Health Innovation initiative that substantially enhances TTU and TTUHSC funding from federal sources (i.e., NIH).

The One Health Innovation research umbrella allows us to employ all TTU & TTUHSC research strengths in human and animal health research, public health, veterinary science, biomedical engineering, and agricultural research to address critical regional and national needs in health-related research.



OUR FOCUS:

Develop plans for a common research and academic building (~120,000 square feet) holding between 30 and 40 TTU and TTUHSC lead investigators.

Researchers will work within three or four common research foci under the One-Health Innovation theme.

Space will include core facilities and shared equipment to support all researchers.

Governance of the Institute, management of space and infrastructure, and cost of facilities maintenance will be equally shared among the institutions.

PROGRESS UPDATE

Three inter-institutional teams have been established: Governance, Research, and Curriculum.

GOVERNANCE TEAM:

- Defining structure and reporting relationship of OHI to TTU & TTUHSC
- Defining decision-making processes and strategies for use of budget
- Finalizing processes for TTU/TTUHSC joint hires
- Developing subsequent LAR to the State

RESEARCH TEAM:

- Defining broad research themes,
- Analyzing existing research capacity and identifying gaps that would give us a competitive edge
- Creating a needs list of instrumentation, facilities, and personnel

CURRICULUM TEAM:

- Putting together a plan for the development of One Health Innovation curricula,
- Outlining accreditation requirements
- Developing a timeline and cost estimates

WHAT HAPPENS NOW?

Submission of $4.9M 2023 LAR planning request. (COMPLETE)

Summer 2023 meetings to refine initial research and curricular foci.

Late Summer through Fall 2023 consultant visits to refine research and curricular foci.

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

Fall 2023 recruitment of preliminary design contractor.

October 2024 complete comprehensive IOHI LAR request for legislature.

THANK YOU

JOSEPH A. HEPPERT, Ph.D.

TTU Vice President
for Research and Innovation

LANCE R. McMAHON, Ph.D.

TTUHSC Senior Vice President
for Research and Innovation

COMPREHENSIVE

HEALTH SCIENCES

COMPREHENSIVE

Medicine (2)

Nursing (2)

Biomedical Sciences (2)

Dental Medicine

Population and Public Health

Health Professions

Pharmacy

Veterinary Medicine

HEALTH SCIENCES

COLLABORATION: RESEARCH INFRASTRUCTURE

- Clinical & Translational Research
- Human Subjects Protections
- Institutional Review Board Alignment
- Tissue Repository

TTUHSC and TTUHSC El Paso Offices of Research
5 Year Strategic Plan

- Engage in clinical research/trials
- Clinician scientists hired
- Center for Community Outreach Research Center of Emphasis
- Clinicians and PhD’s engaged in research and scholarly activity
- Retain top research faculty

TTUHSC and TTUHSC El Paso Offices of Research
5 Year Strategic Plan

Engage in clinical research/trials

Year 1

Clinical & Translational Science Awards: sign; establish goals & objectives

Establish Clinical Research Office

Identify funding for clinical research administrators

Streamline Institutional Review Board & contract processes

Year 3

Clinical & Translational Science Awards activity begins

TTUHSC and TTUHSC El Paso Offices of Research
5 Year Strategic Plan

Clinician scientists hired

Year 1

Joint appointments

TTUHSCs strategically partner to recruit clinician scientists:

focus on mission priorities

Startup packages: chairs, deans & research offices share costs

Year 3

Establish onboarding hiring practices for clinician scientists

TTUHSC and TTUHSC El Paso Offices of Research
5 Year Strategic Plan

Center for Community Outreach Research Center of Emphasis

Year 1

Collaborative seminar series

Identify NIH funding for community outreach

Community Outreach Center of Emphasis: develop shared business plans

Joint hires

Year 3

Onboard jointly appointed NIH funded community researchers

TTUHSC and TTUHSC El Paso Offices of Research
5 Year Strategic Plan

Clinicians and PhD's engaged in research and scholarly activity

Year 1

Increase jointly developed NIH grant submissions by 3

Collaborative educational programs for faculty: grant writing & scholarship

Collaborative data repositories

Develop a clinical scientist research program

Year 3

Increase jointly developed NIH grant submissions by 7

Establish strong "bench" of faculty clinical scientist mentors

TTUHSC and TTUHSC El Paso Offices of Research
5 Year Strategic Plan

Year 1

Incentivize faculty

Celebrate faculty successes

Understand conditions that lead to research success

Year 3

Develop research incentive program

Retain top research faculty

THANK YOU

Deborah J. Clegg, PhD.

Joseph A. Heppert, PhD.

Lance R. McMahon, Ph.D.