



Research & Academic Collaborations

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WE MAKE LIVES BETTER

UT HEALTH SCIENCE CENTER™

SAN ANTONIO

Catalyst for New Knowledge

- The generation of new knowledge will translate into the practical benefit for the State of Texas.
- Successful partnerships will improve the health of our citizens, provide for fundamental economic growth, and strengthen collaborations that work.
- UT System is a strong catalyst for developing solutions by capitalizing on the strengths of the system's component institutions and expanding collaboration for research and academic pursuits.

Health Research & Academic Collaborations

San Antonio Life Sciences Initiative (SALSI)

Partners UT Health Science Center at San Antonio and UT San Antonio

Projects Collaborative research projects have grown into independent federally-funded multidisciplinary programs. Examples to include joint PhD programs, Voice Communication Program, Computational Biology Program, Central Texas Consortium on Aging, Emerging Program in Nano Medicine, and the Emerging Program on Health Disparities.

Health Research & Academic Collaborations

San Antonio Life Sciences Initiative (SALSI)

Progress

- More than 95 total peer review publications generated, along with abstracts, presentations and related publications.
- The Return On Investment (ROI) for SALSI totals 153%.
- New funding of \$7,325,238 has been raised leveraging the \$4,810,473 of previously awarded funds.
- Philanthropic funds total an additional \$1 million for SALSI.
- 6 Educational Initiatives supported by SALSI - Joint PhD program in Biomedical Engineering, PhD program in Applied Statistics, Graduate Neuroscience Training Program, Planning grant for PhD program in Communication Disorders, Center for Health Care Disparities Infrastructure Core and Faculty Development Program, UTSA and UTHSCSA Medical Humanities Initiatives.

Health Research Collaborations

Institute for Integration of Medicine and Science (IIMS)

Partners UT Health Science Center at San Antonio; University Health System of Bexar County; U.S. Veterans Administration; Christus Santa Rosa; U.S. Department of Defense and military; other UT institutions.

Projects

- The IIMS is a partnership to improve community health funded through the National Institutes of Health (NIH). It will focus on advancing the discipline of clinical and translational research.
- Five key functions 1) thriving partnerships with key public and private organizations, 2) major investments in research resources and infrastructure, 3) the largest cadre of military health care and biomedical research operations in the US, 4) one of the world's largest primate research colonies, 5) a 46,000 square mile service area with a majority Hispanic population with residents affected by high rates of health disparities.

Health Research Collaborations

Institute for Integration of Medicine and Science (IIMS)

Progress

- Established the Institute for Integration of Medicine and Science (IIMS), the home for the Clinical and Translational Science Award (CTSA) Program.
- Initial process involved more than 150 individuals from the HSC and partner organizations who contributed to \$150,000 planning grant.
- Successfully competed and awarded (\$26 million) as 1 of only 3 in the State of Texas and all within the UT System.
- In addition, NIH grant award to UTHSCSA is only 1 of 36 awarded in the United States.
- CTSA Grant awarded to the IIMS on May 15, 2008.

Health Research & Academic Collaborations

South Texas Technology Management (STTM)

Partners	UT Health Science Center at San Antonio; UT San Antonio; UT Pan American; UT Brownsville
Projects	This unique joint venture leverages the intellectual collaboration of these UT institutions to combine innovative faculty expertise while expanding new commercial products for the marketplace and private sector. The UT System supports this regional program for all these components to work together to develop, bundle and manage new technologies and inventions. STTM also interfaces with private, governmental and academic units of the region to promote IP (Intellectual Property) development and commercialization.

Health Research & Academic Collaborations

South Texas Technology Management (STTM)

Progress

- Consolidated UTSA and UT Health Science Center technology transfer offices into the new STTM.
- Seed money (\$1.5 million) for POCsparc (Proof of Concept, short proposal to accelerate research commercialization) to inventors at UT Health Science Center and UTSA.
- Expanded office supports value creation activities such as marketing, licensing, new company start-ups, financial valuations, business alliances, internal and external investment in technology development.
- At least 54 new Invention Disclosure Forms (IDF) anticipated to be developed through STTM for 2008 will be more than double the IDFs for 2007.
- Total Operating Budget at more than \$2.4 million.

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Borderplex Council

Partners	UT Health Science Center at San Antonio; UT Pan American; UT Health Science Center at Houston (and their school of Public Health); UT Brownsville
Projects	The mission of the Council is to facilitate and promote multi-institutional collaboration in education and research for addressing the health challenges of the border region.
Progress	Council has agreed to fund \$500,000 for projects targeting diabetes, obesity, and nursing workforce shortages with a match from UT System. Total funding for 2 year period totals <u>\$1.157 million leveraging UT System dollars with another \$1 million from 4 partners.</u> 7 collaborative proposals funded to date.

Health Research & Academic Collaboration

- **UT System Task Force** formed to evaluate higher education research collaboration.
- Year-long report reviewing all 15 UT institutions published on August 27, 2007.
- Surveys and regional meetings show that 75 % of UT faculty already collaborates.
- **Recommendations:**
 - The UT System should develop a strategic plan for research collaborations
 - The UT System should adopt a shared resources model
 - The UT System should implement a System-wide, searchable data system to enable identification of potential partners and resources for collaboration
 - The UT System should develop mechanisms and incentives to stimulate collaborations
 - The UT System should help foster a culture of research collaboration

Health Research & Academic Collaboration

- Larger research awards and more focused research efforts with greater visibility for the UT System can be achieved by targeting areas of investment that provide maximum benefit for inter-institutional research collaborations.
- The cost of scientific research will be reduced while maintaining or improving research excellence through the cost effective sharing of assets, equipment and personnel.
- Faster creation of new knowledge and solutions to societal scientific and medical problems will be facilitated by the collaborative engagement of UT System human and physical research assets.
- The opportunities for UT System to form seamless and effective collaborations that involve multiple partners, including industry, national laboratories, and universities external to the UT System will be increased.
- Enhanced recruitment of superior talent to UT System institutions by the creation of a more attractive research environment will ensure the continued evolution of UT System to a “system of the first class.”

Health Research & Academic Collaborations

- **Lab-on-Chip** (UT Austin & UT Health Science Center at San Antonio)
- **Hispanic Health Research Center in the Lower Rio Grande Valley** (UT Brownsville & UT Health Science Center at San Antonio Regional Academic Health Center)
- **South Texas Medical Genetics Research Center** (UT Pan American & UT Health Science Center at San Antonio)
- **3 + 4 Dental Early Acceptance Program** (UT El Paso & UT Health Science Center at San Antonio)

Health Research & Academic Collaborations

- **Joint Admission Medical Program (JAMP)** (UT El Paso; UT Southwestern Medical Center; UT Medical Branch; UT Health Science Center at Houston; UT Health Science Center at San Antonio, Baylor College of Medicine; Texas Tech University Health Science Center - Lubbock; Texas Tech University Health Science Center - El Paso; Texas A&M University; University of North Texas Health Science Center TCOM;)
- **National Bio- and Agro-Defense Facility (NBAF)** (UT San Antonio; UT Health Science Center at San Antonio; Southwest Foundation for Biomedical Research, Texas Research Park; CPS Energy; San Antonio Water Systems, City of San Antonio, Bexar County, and Private sector)