

## Remarks to Joint Meeting of the Senate and House Higher Education Committees

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### **Texas Research Incentive Program (TRIP):**

#### 1. Why TRIP was created:

- Texas needs more major, nationally competitive, tier-one research universities in an increasingly competitive, knowledge-based, innovation-driven economy
- Premise: State does not have enough money to accomplish this alone – Texas needs to leverage its investment with private supporters
- The program targets key parameters for developing research capacity:
  - Top faculty (chairs and professorships)
  - Top graduate students (fellowships)
  - Research equipment and infrastructure
  - Research program support

#### 2. What TRIP is:

- \$50 million matching gifts program
- Not a “hand out” – universities must earn TRIP funds
- Qualifying gifts are for endowed chairs, professorships, facilities, research equipment, research program costs, or graduate stipends or fellowships
- Gifts over \$2 million are matched 1:1, gifts between \$1 and \$2 million are matched 0.75 to 1; gifts between \$0.1 and \$1 million are matched 0.5 to 1
- Essentially all of the \$50 million in matching gifts funds were earned on the opening day of the program when the universities raised \$60 million in qualifying gifts
- The state invested \$50 million in TRIP funds to obtain \$110 million of value for the emerging research universities, or 45 cents of state money for each \$1 the university received

3. The UT Dallas Experience:
  - In September, UT Dallas deposited 17 gifts totaling more than \$16.9 million – seven of them in amounts of \$1 million or more
  - Through TRIP, the State provided matching funds of more than \$15.2 million
  - Thus, the total new money raised by UT Dallas equaled \$32.1 million
  - Without TRIP, we would have raised an estimated \$2 million
  - Thus, TRIP gifts earned UT Dallas \$30 million that would not have developed without TRIP and matching funds
  
4. Selected Examples of TRIP Gifts Making a Difference at UT Dallas:
  - \$7.3 million – This gift supports faculty chairs and graduate student fellowships; all of the gift has been committed to faculty chairs
  - \$2 million – This gift supports research in the UT Dallas Center for BrainHealth, which is studying how school children can improve their learning and reasoning skills, and how to manage quality-of-life issues such as aging
  - \$2 million – This gift creates the Dee Wyly Distinguished Chair for BrainHealth
  - \$1.145 million – This gift supports research and graduate students working in micro- and nano-electronics technology
  - \$1 million – This gift creates a distinguished chair in the Arts and Technology Program, and provides support for faculty and graduate students in that program
  - \$1 million – This gift supports research in the visual arts
  - \$1 million – This gift supports endowed professorships and an endowed chair for engineering and computer science
  
5. Regarding the Future of TRIP:
  - No improvements in HB51 are suggested – TRIP parameters were very well thought out
  - If TRIP can be sustained for several sessions, it will have a profound effect on developing more nationally competitive research universities in Texas – dozens of top professors recruited as a result of the newly created chairs and professorships, Texas will attract and retain more of the nation’s best graduate students, and Texas will significantly expand research capabilities

## How Is UT Dallas Doing in Expanding Its Research?

Fiscal Year	Total Research (millions)	Restricted Research (millions)	Federal Research (millions)
2007	\$47.9	\$32.8	\$18.8
2008	\$64.3	\$36.8	\$21.4
2009	\$66.8	\$36.9	\$26.3
2010 (est.)	\$80.0	\$41.0	\$30.0

In the past three years, 2007 to 2010:

- Total Research, up 67%
- Restricted Research, up 25%
- Federal Research, up 60%

## How Is UT Dallas Doing in Expanding Its Enrollment and PhD Production?

Year	Fall Total Enrollment	Undergraduate Enrollment	Graduate Enrollment	PhD's Awarded
2007	14,556	9,266	5,290	139
2008	14,994	9,393	5,551	119
2009	15,783	9,801	5,982	124
2010 (est.)	16,500	10,200	6,300	199

## **How Does Becoming a Major Research University Improve the Undergraduate Experience at UT Dallas?**

- Many more degree programs are now available for students, e.g., emerging media and communications, arts and technology, and mechanical engineering
- Research opportunities are accessible for undergraduates, including funded research that enhances learning and provides financial support for the student
- Courses incorporate cutting-edge research discoveries, and future directions in a field, and not just book learning
- Students have the opportunity to learn from professors who are defining the state of knowledge in their fields
- Research creates learning opportunities for area high school students in summer laboratory experiences. Example: 16-year-old Amy Chyao of Richardson attended the UTD NanoExplorers summer research camp, studied and worked with Prof. Kenneth Balkus, and subsequently bested more than 1,600 students from 59 countries to win Intel's first-place Gordon E. Moore Award and the \$75,000 prize. Ms. Chyao won the prize for her work to develop a photosensitizer for photodynamic therapy (PDT), an emerging cancer treatment which uses light energy to activate a drug that kills cancer cells
- Great research universities have a "halo effect" and attract companies that depend on advanced knowledge and discoveries from the local university – this halo effect increases high-value employment and summer intern opportunities for students in their field of study
- The very best companies often proactively recruit students from the great research universities – graduating from a major research university gives many students a competitive advantage in job hunting