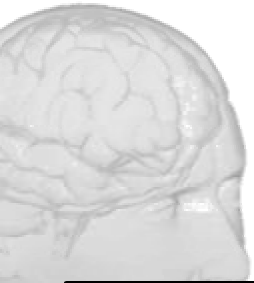


Testimony Before Texas Joint Committee on AD

Rachelle S. Doody MD PhD

Baylor College of Medicine and

**Texas Alzheimer's Disease
Research and Care Consortium**

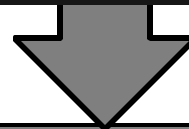


History of TARCC

Established by the State in 1999

Four Institutions (Now 5)

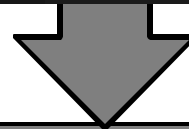
Shared Minimum Dataset



Initial Funding in 2005

7 Specific Research Aims

Biomarkers and Genome Study



Cohort Study

Added in 2009

Initially AD and Normal

Addition of MCI and Hispanics

TARCC Sites



 TEXAS TECH UNIVERSITY
HEALTH SCIENCES CENTER

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 UNIVERSITY of NORTH TEXAS
HEALTH SCIENCE CENTER

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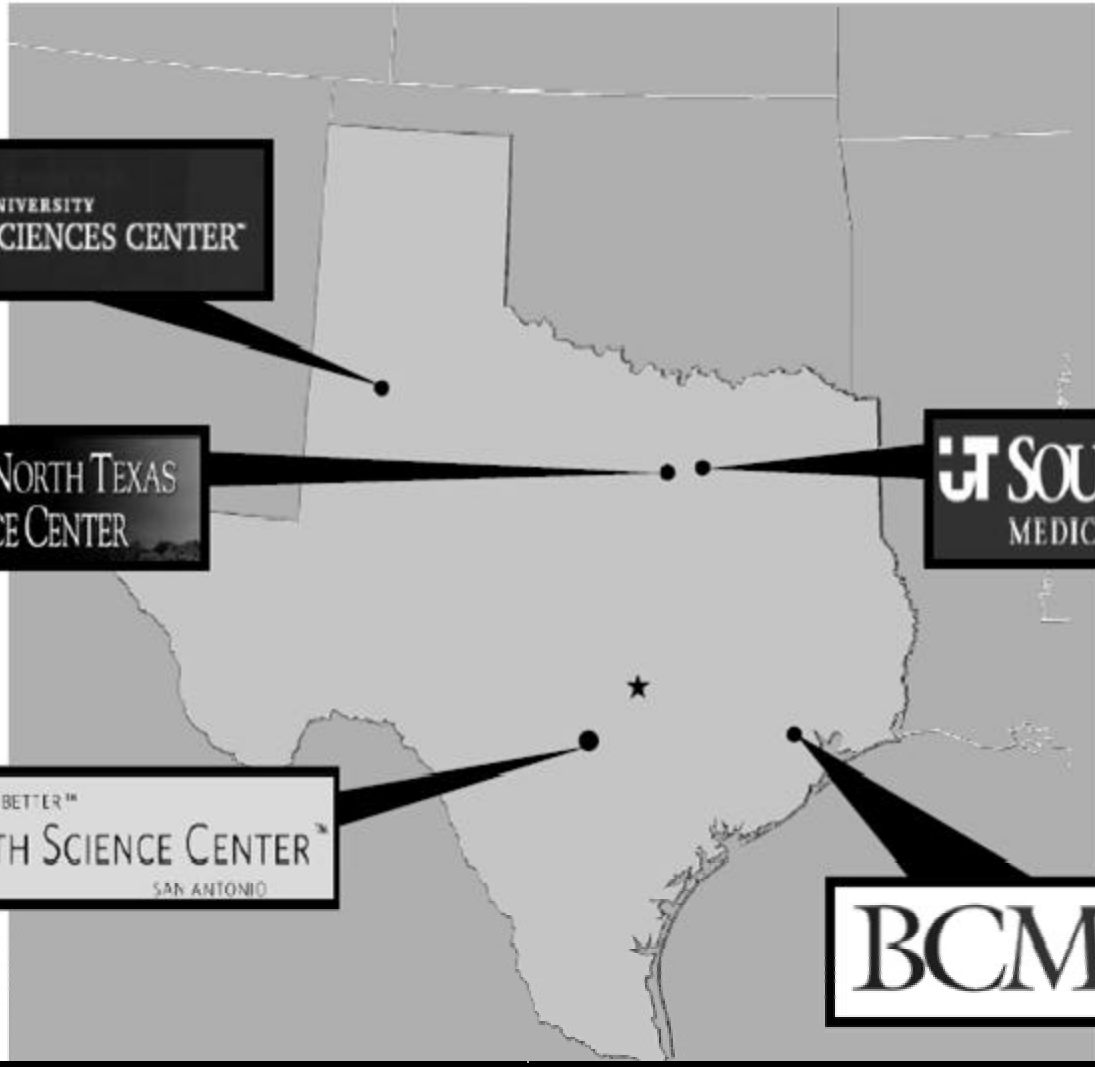
 SOUTHWESTERN
MEDICAL CENTER

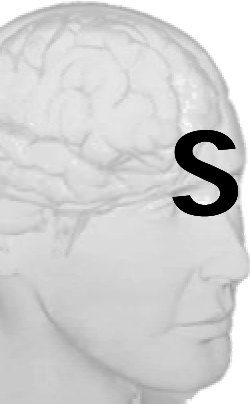
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 WE MAKE LIVES BETTER™
UT HEALTH SCIENCE CENTER™
SAN ANTONIO

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 BCM
Baylor
College
of Medicine

A callout box with a white background and black text, pointing to a location in the southeastern part of Texas.



Specific Aims and Progress

Aims

- ◆ Identify novel genes associated with AAO
- ◆ Identify genes related to inflammation
- ◆ Compare inflammatory profile in cases/ controls
- ◆ See if inflammation mediates CV risk

Discovery

- ◆ CNV chromosome 14
- ◆ Multiple possibilities in progress
- ◆ Reduction of several inflammatory markers
- ◆ No it did not



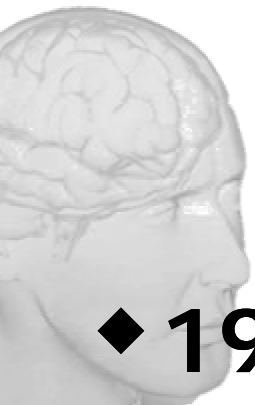
Specific Aims and Progress

Aims

- ◆ Test effects of LpPla2 and Homocysteine on onset/progression
- ◆ Examine influence of hyperinsulinemia on cognition
- ◆ Identify a biomarker panel for diagnosis

Discovery

- ◆ Homocysteine and LpPla2 elevated but LpPla2 interacts with CVD
- ◆ Affects cognitive ability in normal people at risk
- ◆ Published and replicated, Patent pending



Current Considerations

- ◆ **1999 Statute called for standardization of first rate clinical centers and outreach in addition to research**
- ◆ **2010 Texas State plan called for best practices in cognitive health and disease management in addition to expansion of research**



National Alzheimer's Project ACT

- ◆ **Signed by the President in 2011**
- ◆ **Comprehensive analysis and reform of the approaches to care, research-- including drug development, education and training**



Status of NAPA related activities

- ◆ **Draft framework posted in January 2012**
- ◆ **Advisory committee and public review**
 - LEAD recommendations
 - Alzheimer's Association recommendations
 - NIH recommendations



Recommendation 1

- ◆ **Take a new look at how AD is managed in the State**
- ◆ **Consider a special office with restricted staff and assets**



Recommendation 2

- ◆ **Create a registry in the State of all persons at risk, and quantify that risk**
- ◆ **Offer clear analysis of all news releases to those in the registry**
- ◆ **Offer prevention trials to people in the registry**



Recommendation 3

- ◆ **Perform a rigorous study across the State to identify the need for primary care, specialty care, and other care for memory impaired persons**
 - Include acute and chronic psychiatric care
 - Include paid caregiver services
 - Include transportation



Recommendation 4

- ◆ **Create geographically distributed Memory Evaluation and Treatment Centers affiliated with the TARCC sites to serve as the locus of care and research translation**



Recommendation 5

- ◆ **Advocate to the federal DHHS to improve reimbursement for memory related care and to add special reimbursement to the Memory Centers**



Recommendation 6

- ◆ **Incentivize public-private partnerships to fill the gaps in care**



Closing remarks

- ◆ **Texas has shown vision and leadership in creating TARCC**
- ◆ **We can devise a Texas framework that is prepared to interface successfully with NAPA**
- ◆ **We can be a leader in the national effort to prevent, diagnose and manage memory disorders and AD**