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**Committee Meeting:** 11/10/2011

Robert L. Stillwell, *Chairman*  
James D. Dannenbaum, *Vice Chairman*  
Paul L. Foster  
Printice L. Gary  
Wallace L. Hall, Jr.

**Board Meeting:** 11/10/2011  
Austin, Texas

	<b>Committee Meeting</b>	<b>Board Meeting</b>	<b>Page</b>
<b>Convene</b>	11:00 a.m. <i>Chairman Stillwell</i>		
1. <b>U. T. Medical Branch - Galveston: Discussion featuring research opportunities, accomplishments, and challenges</b>	11:00 a.m. <b>Discussion</b> <i>Dr. Shine</i> <i>President Callender</i>	Not on Agenda	<b>73</b>
2. <b>U. T. System: Report on the Supply Chain Alliance Strategic Plan</b>	11:12 a.m. <b>Report/Discussion</b> <i>Mr. Richard St. Onge</i> <i>Mr. John Joshua</i>	Not on Agenda	<b>86</b>
3. <b>U. T. Health Science Center - San Antonio: Discussion and appropriate action regarding proposed revisions to Mission Statement</b>	11:22 a.m. <b>Action</b> <i>President Henrich</i>	<b>Action</b>	<b>86</b>
4. <b>U. T. System: Discussion regarding the changing health care environment</b>	11:25 a.m. <b>Discussion</b> <i>Dr. Shine</i> <i>Health Presidents</i>	Not on Agenda	<b>87</b>
<b>Adjourn</b>	12:00 p.m.		

1. **U. T. Medical Branch - Galveston: Discussion featuring research opportunities, accomplishments, and challenges**

DISCUSSION

Executive Vice Chancellor Shine will introduce President Callender for a discussion concerning research opportunities, accomplishments, and challenges at U. T. Medical Branch - Galveston using the PowerPoint presentation on Pages 74 - 85.

The University of Texas System Board of Regents  
November 10, 2011

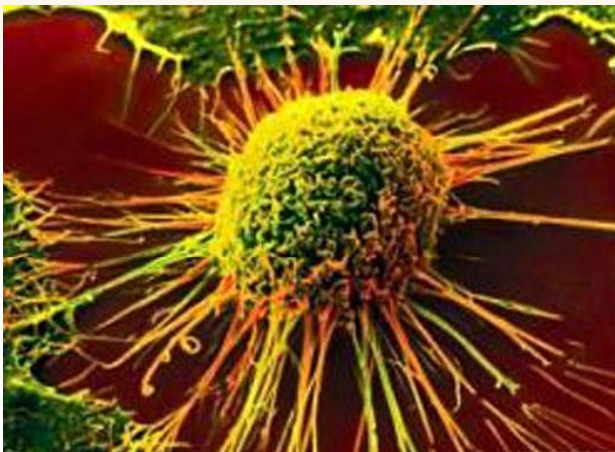
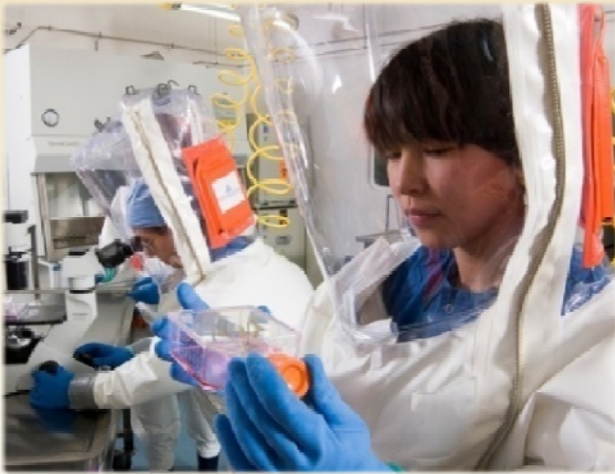
The University of Texas Medical Branch

# Research: Advancing Knowledge, Improving Health

**David L. Callender, MD, MBA, FACS**

President

# Abundant Research Excellence



- Aging
- Chronic diseases
- Infectious diseases/vaccine development
- Neuroscience and degenerative neurological conditions
- Women's health
- Molecular cardiology
- Environmental health and medicine
- Cancer (particularly solid tumors)
- Burns, wound healing, and inflammation

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# National Rankings in NIH Funding

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National Rank	School of Medicine Department	\$ Value
4	Microbiology & Immunology	\$9,981,324
8	Obstetrics & Gynecology	\$6,120,297
12	Pathology	\$22,365,061
19	Biochemistry & Molecular Biology	\$11,895,806
20	Neuroscience & Cell Biology	\$5,302,738
23	Anesthesiology	\$3,482,387
24	Surgery	\$6,361,276

Source: Blue Ridge Institute for Medical Research, 2010

# Research Enterprise Highlights

- Galveston National Laboratory - only national laboratory in Texas and only one of its type on a U.S. university campus
- Largest vaccine development program at a U.S. university - testing universal flu vaccine, vaccines for chronic diseases
- Department of OB/Gyn - only one in nation to be included in all four Child Health and Human Development research networks (NIH)
- Named among Top 100 Institutions in Federal Dollars for Science 2009 (*Chronicle of Higher Ed*, Sept. 2011)
- Growing focus on translational research - Clinical and Translational Science Awards (CTSA)

# CTSA: Excellence in Action

- Transforming the research and training environment to enhance efficiency and quality
- \$24 million (2009-2014) from the National Center for Research Resources (NCRR), with institutional support to:
  - Facilitate translational research as a rigorous discipline
  - Enhance the continuum of translational research training
  - Bridge all three types of translational research:
    1. Turning lab bench results into new treatments
    2. Implementing results of clinical studies in everyday practice and health care decision-making
    3. Integrating evidence-based guidelines into health practice, through delivery and dissemination
  - Collaborate with the 55-member national CTSA Consortium

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# Partnerships Key to Progress

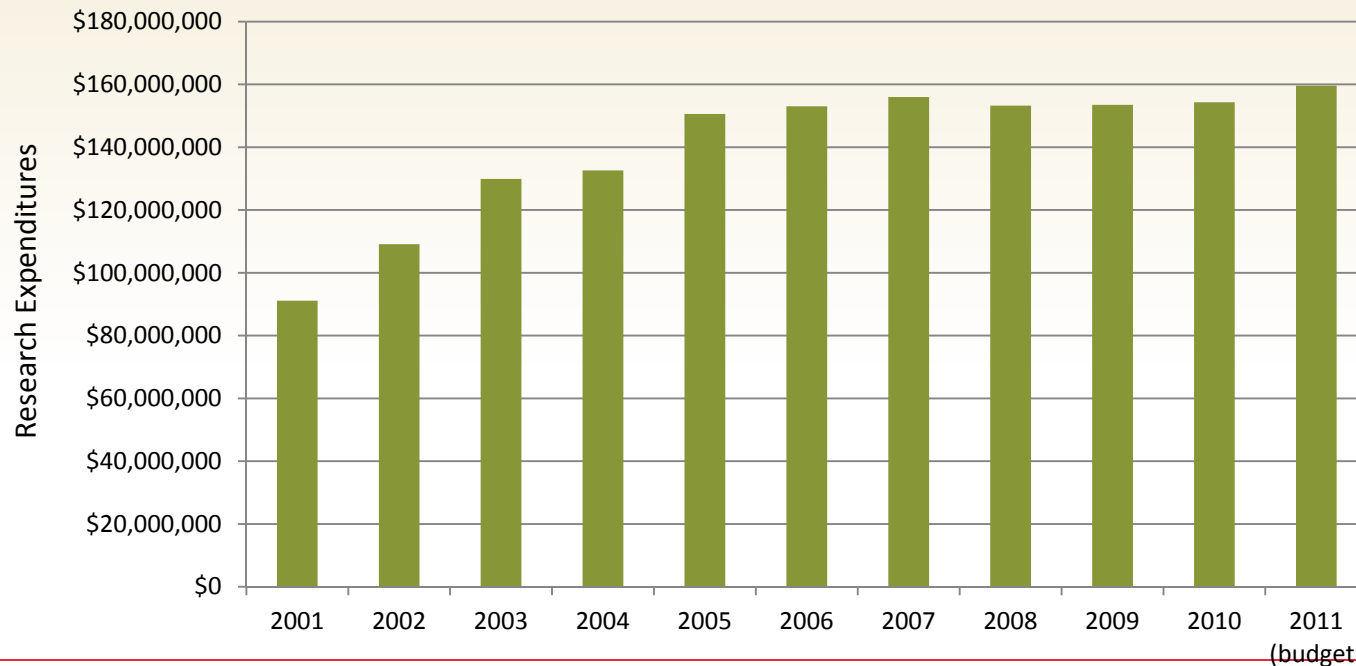
- Sandia National Laboratory
- Texas Medical Center institutions
- Gulf Coast Consortia
- Federal agencies (e.g., NIAID, NASA, DOD)
  - Western Regional Center of Excellence for Biodefense and Emerging Infectious Diseases (lead agency)
- Mission Connect
- Shriners Hospitals for Children
- U. T. System Research Cyberinfrastructure (UTRC)
- Gulf Coast Health Alliance

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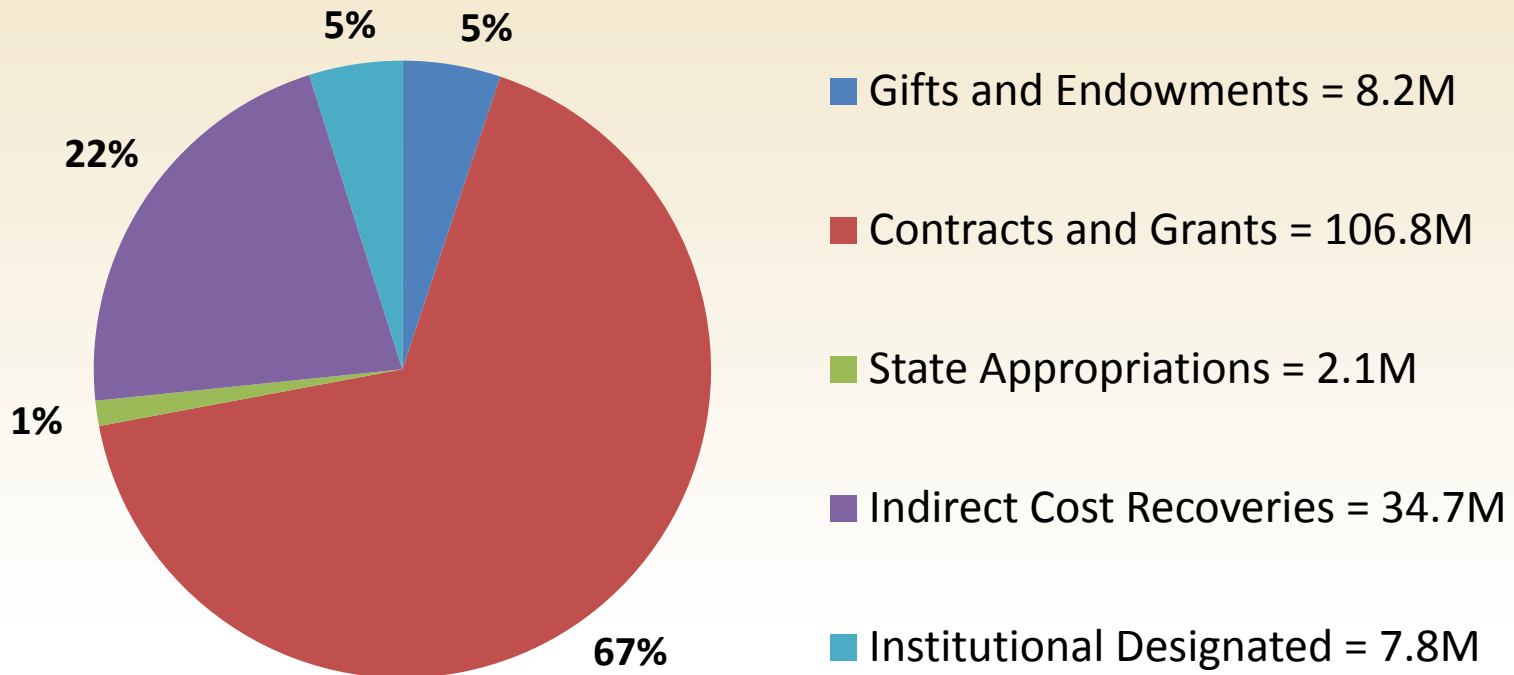
# Growth of Research Programs

- \$159.6 million in FY11 research spending
  - Average annual growth rate: 5.77%
- More than \$125 million grants/contracts; includes \$87 million in NIH awards (FY11)
- Research faculty: 487 full- and part-time



# Research Funding By Source

81



Source: UTMB Research Services, FY11

# Facility Expansion

- 170,000 square feet of research space added since 2001 (33% increase)
- Total of 560,000 square feet



# Recent Discoveries

- Lower levels of ubiquitin found in brains of Alzheimer's sufferers – D. Boehning, J. Barral, A. Oberhauser
- New defense blocks common hospital-acquired infection – T. Savidge
- Experimental vaccine against chikungunya, mosquito-borne emerging virus – S. Weaver
- Previously unknown virus identified as cause of high-mortality Chinese outbreak – X. Yu
- New mouse lungs grown using 'skeletons' of old ones – J. Nichols, J. Cortiella

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# Recent Discoveries (cont.)

- Muscle loss in aging linked to blood vessels' failure to dilate – E. Volpi
- Development of personalized medicine for asthma – A. Brasier
- Clinical trials of universal flu vaccine show promise – C. Turley
- Many older Americans found to receive unnecessary repeat colonoscopies – J. Goodwin
- Injectable birth control linked to weight gain, body-mass changes – A. Berenson

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**2. U. T. System: Report on the Supply Chain Alliance Strategic Plan**

Mr. Richard St. Onge, the Associate Vice Chancellor for Health Affairs, and Mr. John Joshua, Director of the U. T. System Supply Chain Alliance, will present a report on the U. T. System Supply Chain Alliance Strategic Plan.

**REPORT**

The U. T. System Supply Chain Alliance ("Alliance") was approved by the U. T. System health institutions and began operations on September 1, 2007. Over the past four years, the Alliance has delivered demonstrative value and cost savings to the U. T. System academic and health institutions by leveraging the purchasing power of the U. T. System on commonly procured equipment, services, and supplies. In October 2011, the Alliance published its five-year strategic plan that focuses on strategic sourcing collaboration, marketing and outreach, historically underutilized businesses, business intelligence, and people. The new objectives, initiatives, and success measures in the 2012 - 2016 Strategic Plan will be augmented by annual work plans to ensure innovative solutions that reduce operating expenses continue to be achieved.

The Strategic Plan is included in the back pocket of the notebooks for members of the Board.

**3. U. T. Health Science Center - San Antonio: Discussion and appropriate action regarding proposed revisions to Mission Statement**

**RECOMMENDATION**

The Chancellor concurs with the recommendation of the Executive Vice Chancellor for Health Affairs and President Henrich that proposed changes to the U. T. Health Science Center - San Antonio Mission Statement as set forth below be approved by the U. T. System Board of Regents and forwarded to the Texas Higher Education Coordinating Board for approval.

**Proposed Revised Mission Statement**

The mission of The University of Texas Health Science Center at San Antonio is to make lives better through excellence in education, research, health care and community engagement.

Strategies for achieving this mission are:

- Educating a diverse student body to become excellent health care providers and scientists.
- Engaging in research to understand health and disease.
- Commercializing discoveries, as appropriate, to benefit the public.
- Providing compassionate and culturally proficient health care.
- Engaging our community to improve health.
- Influencing thoughtful advances in health policy.

### **Current Mission Statement**

The mission of The University of Texas Health Science Center at San Antonio is to:

- educate a diverse student body to become excellent health care providers and scientists
- engage in biomedical research focused on seeking information fundamental to the prevention, diagnosis and treatment of disease
- provide compassionate and culturally competent state of the art clinical care
- enhance community health awareness, education and practices thereby improving the wellness of the citizenry.

### **BACKGROUND INFORMATION**

Section 61.051(e) of the *Texas Education Code* requires the Texas Higher Education Coordinating Board (THECB) to periodically review the role and mission statements of public institutions of higher education. The U. T. Health Science Center - San Antonio Mission Statement was last approved by the U. T. System Board of Regents on November 9, 2007. The THECB made nonsubstantive revisions and approved the Mission Statement in 2008. Recently, the Mission Statement was extensively discussed among all U. T. Health Science Center - San Antonio's Executive Committee members. The revised Mission Statement reaffirms the U. T. Health Science Center - San Antonio's foci in education, research, health care, and community engagement.

#### **4. U. T. System: Discussion regarding the changing health care environment**

### **DISCUSSION**

Executive Vice Chancellor Shine and the presidents from the six health institutions will lead a panel discussion on the changing health care environment.