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FOR
HEALTH AFFAIRS COMMITTEE**

Committee Meeting: 8/23/2017

Board Meeting: 8/24/2017
Austin, Texas

R. Steven Hicks, Chairman
Ernest Aliseda
David J. Beck
Jeffery D. Hildebrand
Janiece Longoria
Sara Martinez Tucker

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Convene	<i>10:30 a.m.</i> <i>Chairman Hicks</i>		
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6. U. T. Health Science Center - Houston: Report on participation in the \$500 million National Heart, Lung, and Blood Institute's Trans-Omics for Precision Medicine program	<i>11:20 a.m.</i> Report/Discussion <i>Dr. Eric Boerwinkle</i> <i>UTHSCH</i>	Not on Agenda	239
Adjourn	<i>11:30 a.m.</i>		

1. **U. T. System Board of Regents: Discussion and appropriate action regarding Consent Agenda items, if any, assigned for Committee consideration**

RECOMMENDATION

The proposed Consent Agenda items assigned to this Committee are [Items 50 - 86](#).

2. **U. T. System: Discussion and appropriate action regarding guidance to the health-related institutions for submission of tuition and fee proposals for FY 2019, based upon recommendations from the presidents after a consultative process with broad student engagement**

RECOMMENDATION

Committee Chairman Hicks and the Executive Vice Chancellor for Health Affairs, with the concurrence of the Chancellor, the Deputy Chancellor, and the institutional presidents, recommend that the U. T. System Board of Regents provide guidance to the health-related institutions for submission of tuition and fee proposals for Academic Year 2018-19 based upon recommendations from the presidents after a consultative process with broad student engagement.

BACKGROUND INFORMATION

On May 15, 2014, the Executive Vice Chancellor for Health Affairs presented to the Board of Regents a proposed five-year tuition and fee plan developed by the health-related institutions for their academic programs. The first four years of the plan have been approved by the Board of Regents, with minor modifications in specific program recommendations. In order to implement the fifth and final year of the plan, authorization is being requested from the Board of Regents to initiate the institutional internal review processes necessary to bring tuition and fee recommendations for Academic Year 2018-2019 to the Board of Regents for review and approval.

Further, the institutions will be requested to develop a new tuition and fee plan for the succeeding four years.

3. **U. T. System: Discussion and appropriate action regarding reaffirmation of Mission Statements for U. T. Medical Branch - Galveston and U. T. Health Science Center - San Antonio**

RECOMMENDATION

The Chancellor concurs in the recommendation of the Deputy Chancellor, the Executive Vice Chancellor of Health Affairs, and the institutional presidents that the Mission Statements for U. T. Medical Branch - Galveston and U. T. Health Science Center - San Antonio, as set forth on the following pages, be reaffirmed by the U. T. System Board of Regents.

BACKGROUND INFORMATION

In 2013, the Texas Legislature repealed *Texas Education Code* Section 61.051(e), which directed the Texas Higher Education Coordinating Board to review the mission statements of public institutions, typically, every four years. However, each institution is required to have a mission statement under *Texas Education Code* Section 51.359. Section 51.352 of the Code, regarding the Responsibility of Governing Boards, requires governing boards to "insist on clarity of focus and mission of each institution under its governance." Regents' *Rules and Regulations*, Rule 10402, states that the Academic Affairs Committee or the Health Affairs Committee must review proposed changes to institutional mission statements. Further, approval of this item will help to ensure compliance with the Southern Association of Colleges and Schools (SACS) requirements regarding the periodic review and approval of each institution's mission statement by its governing board.

Pursuant to a directive by the Board of Regents on March 26, 2008, each Mission Statement must include a statement regarding the commercialization of university discoveries.

Mission Statements were last approved as follows:

- U. T. Medical Branch - Galveston: last approved by the Board of Regents on November 11, 2010
- U. T. Health Science Center - San Antonio: last approved by the Board of Regents on November 10, 2011

U. T. Medical Branch – Galveston

CURRENT Mission Statement – no change

Mission, Vision, and Values Statement

Preamble

The University of Texas Medical Branch at Galveston's mission is to improve health for the people of Texas and around the world. UTMB is an inclusive, collaborative community of forward-thinking educators, scientists, clinicians, staff, and students dedicated to a single purpose - improving health. We prepare future health professionals for practice, public service, and lifelong learning through innovative curricula and individualized educational experiences. We advance understanding and treatment of illness and injury through groundbreaking research, in the lab and at the bedside, including the commercialization of such research, as appropriate. We deliver skilled and patient-centered health care, and we continue to shape the future of health sciences education, research, and clinical care by always asking, "What's next?"

Mission

UTMB's mission is to improve health for the people of Texas and around the world.

Vision

We work together to work wonders as we define the future of health care and strive to be the best in all of our endeavors.

Values

Our values define our culture and guide our every interaction.

- We demonstrate **compassion** for all.
- We always act with **integrity**.
- We show **respect** to everyone we meet.
- We embrace **diversity** to best serve a global community.
- We promote excellence and innovation through **lifelong learning**.

U. T. Health Science Center - San Antonio

CURRENT Mission Statement – no change

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.

4. **U. T. System: Approval to distribute a portion of The University of Texas System Professional Medical Liability Benefit Plan premium returns and approve rates for the Plan**

RECOMMENDATION

The Chancellor concurs in the recommendation of The University of Texas System Professional Medical Liability Benefit Plan (Plan) Management Committee, chaired by the Vice Chancellor and General Counsel and comprised of the Chair, the Executive Vice Chancellor for Health Affairs, and the Executive Vice Chancellor for Business Affairs, after consultation with Milliman, Inc., actuary for the Plan, that:

- a. overall premium rates remain unchanged;
- b. \$6 million in premiums be returned to the participating U. T. System institutions based on a methodology that considers each institution's losses; and
- c. \$2.5 million be designated for Health Affairs Collaborative Projects, as identified by the Executive Vice Chancellor for Health Affairs.

The proposed distribution of \$8.5 million is set forth on the following page as Exhibit 1.

BACKGROUND INFORMATION

With the implementation of tort reform in 2003, the Plan Management Committee (Committee) has consistently recommended significant reductions in total Plan assets to bring the reserve levels to those generally accepted by the industry. The Committee continues balancing Plan revenue from premiums charged and investment income with adequate capitalization from which to pay Plan claims, reserves for future claims, and administrative expenses. As part of this effort, Plan premiums were significantly reduced for several years immediately following tort reform adoption, and since 2007, the premium rates have either been reduced or unchanged. However, Plan premiums are adjusted annually for institutional loss experience.

For the coming year, the Committee recommends maintaining overall premiums at the current rates. Based on Plan investment income and efficient management of claims, the Committee recommends a return to the contributing institutions of \$6 million so that excessive reserves are not maintained. The combination of unchanged rates along with this distribution should still allow for adequate capitalization of the Plan.

The methodology for distribution of \$6 million to participating institutions considers the proportion of each institution's payment into the Plan as well as each institution's loss experience. Thus, those institutions with higher claims receive lower distributions.

In addition to the \$6 million to be distributed to participating institutions, \$2.5 million is recommended for U. T. System efforts in patient safety enhancement through projects, as identified by the Executive Vice Chancellor for Health Affairs.

Exhibit 1
The University of Texas System Professional Medical Liability Benefit Plan
Proposed Distribution of Plan Returns
 FY 2017

<i>Institution</i>	<i>Premium Paid</i> <i>2015-2017</i>	<i>Claims Expense</i> <i>2015-2017</i>	<i>Net Contribution Amount</i>	<i>Rebate based on Net Contribution</i>
UT Arlington	7,311	-	7,311	2,280
UT Austin	176,443	1,941	174,502	54,412
UT Dallas	1,596	-	1,596	497
UT El Paso	948	-	948	295
UT Rio Grande Valley ¹	319,191	-	319,191	99,527
UT San Antonio	3,777	-	3,777	1,178
UTSWMC	6,712,492	2,967,539	3,744,953	1,167,715
UTMB	4,576,493	1,281,322	3,295,171	1,027,469
UTHSCH	6,092,676	2,240,744	3,851,932	1,201,073
UTHSCH Medical Foundation	2,585,790	950,993	1,634,797	509,747
UTHSCSA	5,092,158	1,003,732	4,088,426	1,274,814
UTMDACC	3,647,067	1,669,142	1,977,925	616,738
UTHSCT	388,622	246,693	141,929	44,255
Subtotal	\$ 29,604,564	\$ 10,362,106	\$ 19,242,458	\$ 6,000,000
Patient Safety Enhancement Projects				\$ 2,500,000
TOTAL PROPOSED DISTRIBUTION				<u><u>\$ 8,500,000</u></u>

¹ Premium of \$784 for FY 2015 was paid by UT Pan American.

5. U. T. Health Science Center - Houston: Approval to establish a Doctorate in Health Informatics degree program in the School of Biomedical Informatics at Houston

RECOMMENDATION

The Chancellor concurs in the recommendation of the Deputy Chancellor, the Executive Vice Chancellor for Health Affairs, and the institutional president that authorization, pursuant to the Regents' *Rules and Regulations*, Rule 40307, related to academic program approval standards, be granted to

- a. establish a Doctorate in Health Informatics degree program in the School of Biomedical Informatics at Houston at U. T. Health Science Center - Houston; and
- b. submit the proposal to the Texas Higher Education Coordinating Board for review and appropriate action.

BACKGROUND INFORMATION

Program Description

The proposed practice doctorate in Health Informatics (DrHI) at the UTHealth School of Biomedical Informatics (UT-SBMI) in Houston is a unique, first-of-its-kind program in the nation with the goal of providing executive-level informatics leaders with the terminal education required to translate evidence from original research, evaluate current practices, and utilize critical thinking to accelerate the adoption of best clinical practices, following the nationwide implementation of electronic health records (EHRs). In light of the current health care trends, the objective of the practice doctorate program is to provide executive-level informatics leaders with the terminal education required to translate evidence from original research, evaluate current practices, utilize critical thinking to accelerate the adoption of best practices related to using health information technology to prevent, diagnose and treat disease. These goals are intended to ultimately improve patient outcomes regardless of care setting and prevent medical errors. The program requires 63 semester credit hours beyond the master's degree. Courses have been designed to provide advanced training in health informatics practice including change management, vendor relations and contract negotiation, as well as evidence-based health informatics evaluation.

Need and Student Demand

Over the past few years, some applicants for the existing UT-SBMI doctoral degree already hold the master's in health or biomedical informatics and wish to continue to earn a terminal degree. Many of these applicants are in practice, rather than research or academia, and wish to continue in those roles. They have difficulty articulating a research question that would be appropriate for the Ph.D. dissertation. After conducting focus group interviews with health informatics executives from the major health care organizations in the Texas Medical Center, the State of Texas, and the Department of Defense, it became clear that there is overwhelming support to offer a program of this caliber to fill the educational need for the informatics specialty.

Currently, of the students, master's and Ph.D., graduating from UT-SBMI, 95% are employed in the field within three months. This program requires experience in health informatics prior to enrollment and these students are expected to be employed upon matriculation. These graduates are expected to progress in their careers while also filling an acknowledged need for health informatics executives to possess a higher level of knowledge and skills.

Program Quality

Four core faculty and four supporting faculty from the UT-SBMI will support the practice doctorate program for the first three years. New faculty are projected for hire in Years 4 and 5. The applied core and support faculty already teaching at UT-SBMI bring many decades of experience in health informatics and leadership in various aspects of the health industry.

The UT-SBMI saw a 69% student enrollment increase from Fall 2014 to Fall 2016 for all graduate programs (certificates, masters and doctoral). Both the school and its graduate programs continue to grow as more health care organizations in the Texas Medical Center and beyond seek professionals with advanced education in health informatics. The school is currently in candidacy status for the new applied health informatics specialty accreditation from the Commission on the Accreditation of Health Informatics and Information Management education programs.

In addition to working with industry advisors and stakeholders on the design of the program, the UT-SBMI will engage with them and other industry experts for lectures, projects, and other parts of the curriculum. The program evaluation will be qualitative when graduates are interviewed and surveyed to determine which skills and competencies have proven useful. The quantitative assessment plan is to demonstrate the cost-effectiveness of the practicum projects for the health care industry.

More the 45,000 square feet of space is currently being added to the University Center Tower (UCT) building devoted to the UT-SBMI for its teaching and research. Plans are to include four new classrooms that can hold a minimum of 40 students each, with the ability to be set up in variable configurations.

Revenue and Expenses

Projected Enrollment	5-Year Total
Number of Full-Time Student Equivalents (FTSE) Used for Formula Funding Calculation	72
Number of Full-Time Student Equivalents	72

Expenses	5-Year Total
<i>Faculty</i>	
Salaries	\$1,972,400
Benefits (not applicable paid by state fund)	\$0
<i>Graduate Students</i>	
TA Salaries	\$0
TA Benefits	\$0
GRA Salaries	\$0
GRA Benefits	\$0
<i>Staff & Administration</i>	
Graduate Coordinator Salary	\$0
Administrative Staff Salaries	\$314,655
Staff Benefits (not applicable paid by state fund)	\$0
<i>Other Expenses</i>	
Equipment	\$98,850
Total Expenses	\$2,385,905

Revenue	5-Year Total
<i>From Student Enrollment</i>	
Formula Funding	\$1,256,040
Tuition and Fees	\$1,724,537
<i>From Institutional Funds</i>	
Provost Graduate Student Support	\$0
<i>From Grant Funds</i>	
Not required	\$0
<i>From Other Revenue Sources</i>	
Provost and Dean – Start-up packages	\$0
Total Revenue	\$2,980,577

Coordinating Board Criteria

The proposed program meets all applicable Coordinating Board criteria for new doctoral degree programs.

6. **U. T. Health Science Center - Houston: Report on participation in the \$500 million National Heart, Lung, and Blood Institute's Trans-Omics for Precision Medicine program**

REPORT

Eric Boerwinkle, Ph.D., Dean of the School of Public Health at U. T. Health Science Center - Houston, will report on participation in the \$500 million National Heart, Lung, and Blood Institute's Trans-Omics for Precision Medicine program. A PowerPoint presentation is set forth on the following pages.

BACKGROUND INFORMATION

U. T. Health Science Center - Houston, in collaboration with the Human Genome Sequencing Center at Baylor College of Medicine, is a participant in the \$500 million National Heart, Lung, and Blood Institute's Trans-Omics for Precision Medicine (TOPMed) program. The TOPMed program is designed to generate scientific resources to enhance the understanding of fundamental biological processes that underlie heart, lung, blood, and sleep disorders.

Precision Medicine: 'Individualizing' Medical Care to Advance Human Health



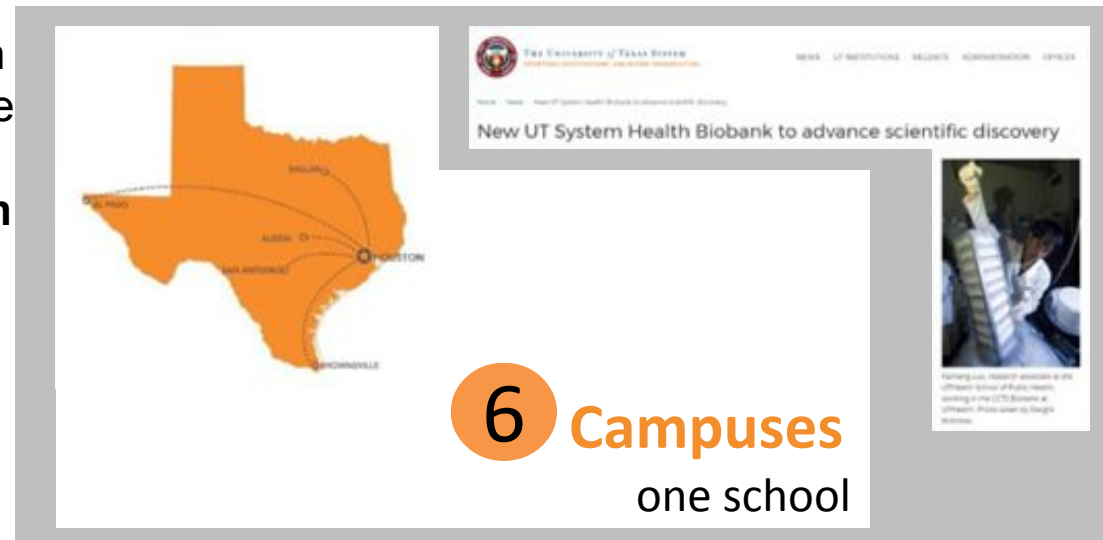
U. T. System Board of Regents' Meeting
Health Affairs Committee
August 2017

Eric Boerwinkle, Ph.D.
Dean, School of Public Health
The University of Texas Health Science Center at Houston

U. T. Health School of Public Health:

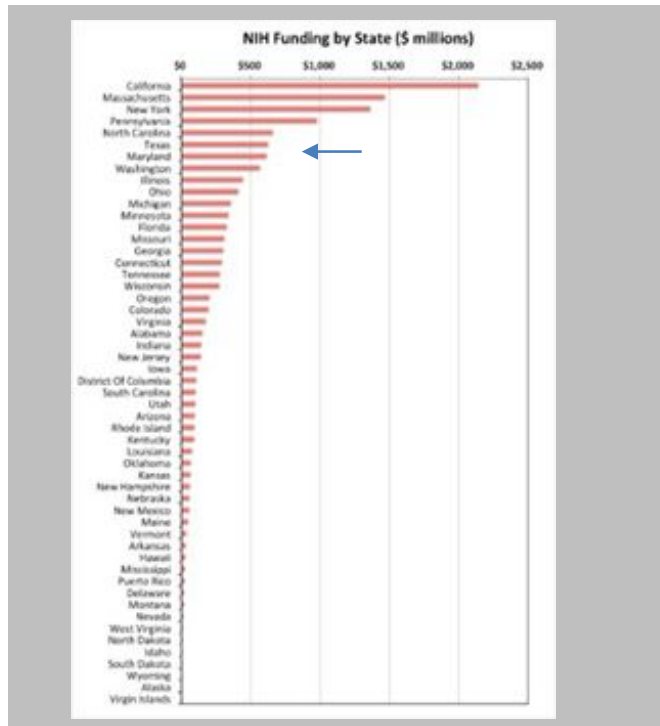
Helping Save Millions of Lives Every Day

The U. T. Health Science Center - Houston (U. T. Health) School of Public Health is the **fourth largest public health school in the United States**, has **trained more than 28,000 people** through continuing education programs, is the **largest MD/MPH program in the nation**, and operates **joint MPH programs with schools of dentistry, nursing, social work, law, and business.**



6 Campuses
one school

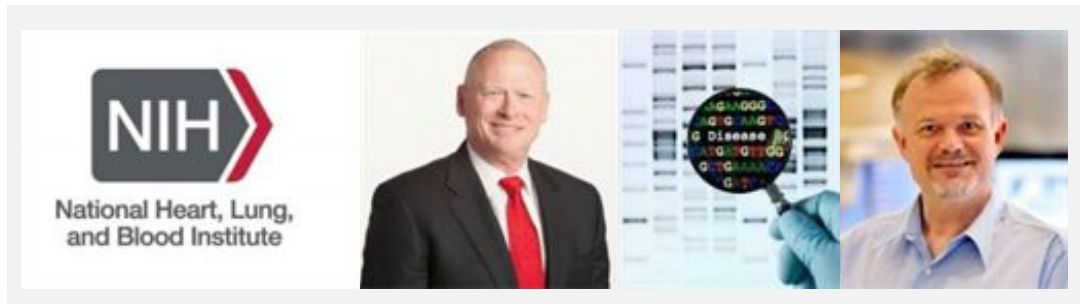
Trans-Omics for Precision Medicine: National Institutes of Health



Trans-Omics for Precision Medicine: “Bringin’ Home the Bacon”

HOUSTON★CHRONICLE

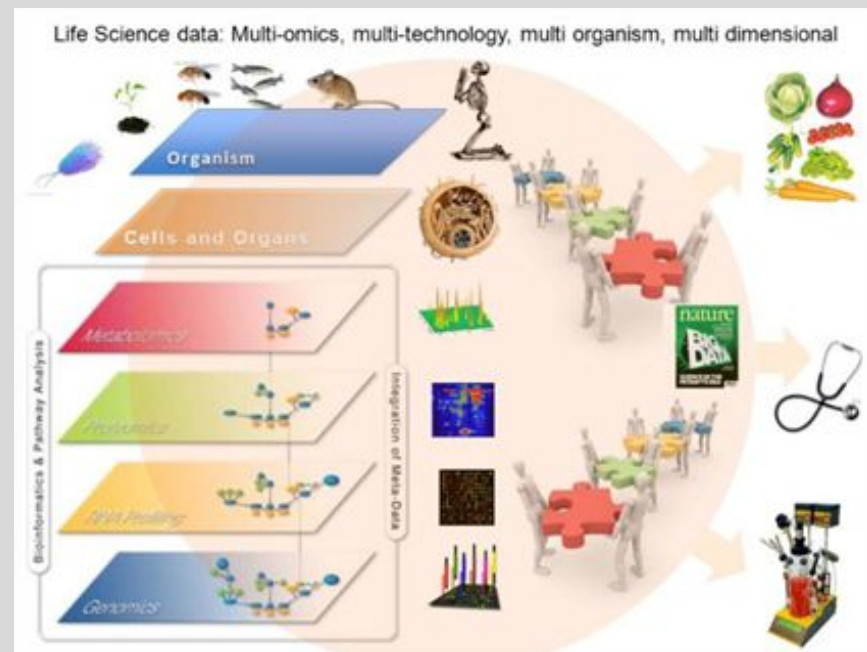
**Baylor and U. T. Health Awarded
\$500M NIH Contract**



Data Integration and Discovery

Trans-Omics for Precision Medicine (TOPMed):

Goal is to identify the fundamental genetic and biologic mechanisms of heart, blood, and lung diseases



The Future of Genomics



**U.S. corn production in
2014: 1.3×10^{15} kernels**

**DNA sequencing in 2016:
 20×10^{15} bases**

