CPI Meeting Agenda
March 4, 2015 (11:30 a.m. – 1:15 p.m.)
Rudder Tower, room 601

(11:30 – 11:45)  Lunch

Call to order/Opening remarks – Dr. Mary Bryk, CPI Chair

Texas A&M Chemical Laboratory Safety Committee – Dr. Susanne Talcott, CPI member and Associate Professor, Nutrition and Food Science, College of Agriculture and Life Sciences

Update from Mr. Michael O’Quinn, Vice President for Government Relations, Texas A&M University

Update from Dr. Brett Giroir, Executive Vice President and CEO, Texas A&M Health Science Center

Other business – Dr. Mary Bryk, CPI Chair

(1:15)  Adjournment

Attachments:
- March CPI newsletter; presentatoin slides


The CPI is sponsored annually through equal funding from Texas A&M University Division of Research, Texas A&M Health Science Center, Texas A&M AgriLife Research, Texas A&M Engineering Experiment Station, and the Texas A&M Transportation Institute
Included in this issue:

- Update from Dr. Mary Bryk, CPI Chair
- Upcoming CPI Executive Committee meetings
- Strategic Planning Open Forums
- Update from the Council for the Built Environment (CBE)
- Promoting Research Excellence – Spring Symposium Sponsored by the Division of Research
- Dr. Sally Rockey, Deputy Director for Extramural Research at NIH presented “Rock Talk: The NIH Extramural Nexus" at Texas A&M on February 24, 2015
- 2nd Texas A&M ENG-LIFE Workshop – April 24, 2015, Receiving Abstracts Now
- Texas A&M University 2015 Immigration Symposium
- Alternative Performance Evaluation Form for Research Staff
- Sign up for notifications about Limited Submission Proposal (LSP) opportunities
- Governor Abbott lists research funding among emergency items
- Bulletin for Principal Investigators – Issued weekly by the Division of Research, Texas A&M University
- Upcoming Seminars and Workshops for Texas A&M Researchers
Update from Dr. Mary Bryk, CPI Chair

To aid the CPI in bringing items to the attention of the administration, please send any broad research-related issues (and subsequent solutions) to my attention at cpi@tamu.edu or contact me directly at bryk@tamu.edu or 979.862.2294.

Research Development Fund

During recent meetings with System administrators in December 2014 and February 2015, the CPI Executive Committee discussed the possibility of the System contributing funds to the Research Development Fund (RDF) for the good of the Brazos county-based Texas A&M research enterprise. Chancellor John Sharp has decided to commit funds to the RDF from the Chancellor’s Research Initiative (CRI). This represents a new use of the CRI funds to support the creation and enhancement of core facilities for the Brazos county-based Texas A&M research enterprise to attract new researchers and to benefit our great existing faculty.

Research Development Fund Advisory Committee

The members of the Research Development Fund Advisory Committee (RDF-AC) who were appointed by the CPI, held their first meeting on February 13th (see membership here). Dr. Penny Riggs was selected as Chair of the committee and sent an update on February 16th to the PI community on the committee’s current activities (see here).

As noted in the update from February 16th, the committee initiated the development of a request for applications (RFA) and guidelines for submission of RDF proposals. Once the RDF application information, procedures, and other materials are available, they will be posted on an RDF dedicated website. The URL for the website will be broadly distributed when these items are finalized. The first RDF announcement of the RFA should be expected in April.

Upcoming CPI meetings and new calendar

As reported in previous newsletters, one of the goals of the CPI is to support beneficial communication between PIs and administrators. Over the next three months, the CPI has scheduled administrators from HSC, AgriLife Research and TEES to come and discuss current research activities and new research initiatives at each of these units. To see the full CPI schedule for the next three months, go to cpi.tamu.edu/meetings/2014-15.

I am pleased to announce that a new CPI calendar has also been created that includes CPI monthly meetings and other events that may be of interest to the PI community and allows users to see events in a day, week or monthly view. See the new calendar at cpi.tamu.edu/meetings/calendar. Email suggestions to improve the calendar to cpi@tamu.edu.

As a reminder, meetings are webcast live at ttvn.tamu.edu/webcasts on Channel 20, and videos are stored on the “Archives” section of the CPI website.

Upcoming CPI Executive Committee meetings

The next CPI Executive Committee coordination meeting with research administration representatives from AgriLife, HSC, Texas A&M, TEES and TTI will be on April 1, 2015. The next CPI EC meeting with Chancellor Sharp is scheduled for April 2, 2015. Summaries of these meetings will be provided for the April newsletter.

Strategic Planning Open Forums

On January 30, Interim President Mark Hussey announced a series of Strategic Planning Open Forums. Two of the four forums have been held to date. The next open forum, dialog on strategies for excellence at Texas
A&M, will take place **Friday, March 13th, at 11:30 a.m. in Rudder 601.** Beverages and cookies will be provided. Please feel free to bring your own brown-bag lunch.

As a starting point for discussion, a draft working document and materials from the first forum have been posted on the strategic planning website [stratplan.tamu.edu](http://stratplan.tamu.edu) together with other relevant documents and information. The materials from the 2nd forum on February 26th are expected to be posted soon and the video is available [here](http://stratplan.tamu.edu).

All the strategic planning open forums will be live-streamed. To watch the forum from a remote location, go to [http://ttvn.tamus.edu/index.php?p=Streams](http://ttvn.tamus.edu/index.php?p=Streams) and click on “Channel 6 - Scheduled Live Webcasts.” Select “Strategic Planning Open Forum, Feb 10, 11:30AM-1:30PM.” You may actively participate in the forum by submitting comments or questions to vision2020@tamu.edu.

The Office of the Provost and Executive Vice President warmly encourages individuals to participate fully in this planning process that will plot the direction Texas A&M University will take over the next five years.

**Update from the Council for the Built Environment (CBE)**

CBE has created a task force for planning for major renovations and new buildings. TAMU is required to have a capital plan ([http://budget.tamu.edu/capital-planning-debt-service/](http://budget.tamu.edu/capital-planning-debt-service/)) which prioritizes projects to be realized; relative to when funding becomes available. Because of cost/structure changes and emerging funding opportunities, relatively frequent updates are necessary. The task force will look at revising the prioritization process and make it more strategic, so that revisions of the plan during any given year can be kept to a minimum. For details, please see the CBE minutes from the January 2015 meeting ([http://cbe.tamu.edu/2015M.aspx](http://cbe.tamu.edu/2015M.aspx)).

Contact:
Dr. Emil Straube (voting member – 2015) – [Straube@math.tamu.edu](mailto:Straube@math.tamu.edu), 979.845.3721
Dr. Penny Riggs (non-voting member – 2015; voting member – 2016) - [riggs@tamu.edu](mailto:riggs@tamu.edu), 979.862.7015

**Promoting Research Excellence – Spring Symposium Sponsored by the Division of Research (and win one of six Kindle Fires)**

All Texas A&M researchers and graduate students are invited to attend the Division of Research Spring Symposium on March 9, from 8:30 a.m. to 5 p.m., in the Memorial Student Center. This year’s theme is “Promoting Excellence in Research,” with sessions and workshops that will deliver useful, practical information you can put to work immediately to enhance your research.

The keynote lunch address, “*Why We Can’t Stay Out of the Water*,” will deal with mitigating risk in scientific research. Executive Director Jim Welch from the Elizabeth R. Griffin Research Foundation will illustrate key concepts using stories from the movies.

In additional sessions are offered:

*“Best Practices for Protecting Yourself and Your Research in a Connected World”* with Special Agent Ronald Wooten of the Defense Security Service in San Antonio. (There will be two sessions. The morning session is restricted to U.S. citizens and permanent residents, and requires an RSVP by sending an email to [outreachrcb@tamu.edu](mailto:outreachrcb@tamu.edu) or by calling 979.458.1467. The afternoon session is open to all.)

*“Time for a Change? A Scientist's View of Public Interests in Animal Research and Welfare”* with Dr. Allyson Bennett, an assistant professor from the University of Wisconsin-Madison.

The symposium also will feature two workshops about human subjects research. The morning workshop will focus on international research. The afternoon workshop will emphasize Internet-based research.
All who attend the symposium are eligible to win one of six Kindle Fires. For more information on the sessions and speakers, including a time schedule, please visit the event page at rcb.tamu.edu/spring.

The event flyer can be found at rcb.tamu.edu/iris/RDSSpringEventFinal.jpg. Email outreachrcb@tamu.edu to RSVP.

Dr. Sally Rockey, Deputy Director for Extramural Research at NIH, presented “Rock Talk: The NIH Extramural Nexus” at Texas A&M University on February 24, 2015

Interim President Mark Hussey invited the campus community to attend a February 24th presentation, “Rock Talk: The NIH Extramural Nexus” by Dr. Sally Rockey, Deputy Director for Extramural Research at the National Institutes of Health.

In her talk, Dr. Rockey discussed the latest NIH funding trends, including the impact of NIH funded research and discoveries on the health of the US population. She noted an effort of the organization to distribute future extramural funding more broadly to a greater number of researchers and institutions and that Texas A&M is in a good position to take advantage of this new approach.

NIH is making progress with lawmakers to implement a recurring annual increase for allocations to the organization so external funding can be more predictable from year to year. Several other topics were discussed and can be found on Dr. Rockey’s blog “Rock Talk” at nexus.od.nih.gov/all/category/blog/ and in the February 24th presentation slides at cpi.tamu.edu/resources/rock_talk_slides_2.15/.

2nd Texas A&M ENG-LIFE Workshop – April 24, 2015, Receiving Abstracts Now

The Texas A&M research community is invited to the 2nd Texas A&M ENG-LIFE workshop on April 24th (Friday from 8:00 a.m. – 4:30 p.m.) at the Texas A&M Health Science Center campus on Highway 47. Following the successful workshop in the fall of 2013 where more than 120 participants attended, the organizing committee (see below) hopes this event will bring together researchers from diverse disciplines, promoting multidisciplinary interaction and scientific communication in the field of engineering and life sciences. The workshop flyer can be found at cpi.tamu.edu/resources/eng_life_workshop/.

Abstracts for poster presentations are now being accepted and are due March 29th. This will be a great opportunity to showcase individual research and provide a mechanism for students and researchers in different fields to engage each another. Although there is no registration fee, registration is still required. The featured speaker will be announced soon. More information can be found at http://biomems.tamu.edu/eng-life/.

ENG-LIFE 2015 Organizing Committee:
Dr. Arum Han – Electrical and Computer Engineering
Dr. Paul Hardin – Biology
Dr. Arul Jayaraman – Chemical Engineering
Dr. Allison C. Rice-Fitch – Texas A&M Health Science Center (TAMHSC)
Dr. Jane Welsh – Veterinary Medicine & Biomedical Sciences, Texas A&M Institute for Neuroscience (TAMIN)

SAVE THE DATE: SORC – NIH Training IBC 101 – April 24, 2015

The NIH will provide a training opportunity, “IBC 101” in College Station on April 24, 2015 from 8:30 a.m. – 12:00 p.m. at the Annenberg Presidential Conference Center. The training is open to anyone and will cover most of the information found in the NIH Guidelines. More details regarding the training will follow in the next newsletter.
Texas A&M University 2015 Immigration Symposium
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On April 6, 2015 the International Faculty and Scholar Services will be hosting the Texas A&M University 2015 Immigration Symposium. There are two sessions in this year’s symposium that are of specific interest to principal investigators:

**Exchange Visitors Program for Scholars and Student Interns** – This session will provide principal investigators with a unique insight to the benefits of sponsoring J-1 exchange visitors under the Department of State Exchange Visitors Program (short/long term scholars and student interns) as well as the requirements that principal investigators and the exchange visitors need to satisfy in order to successfully host exchange visitors at Texas A&M University.

**All You Need To Know About Export Controls** – Knowing about Export Controls is a must for every principal investigator. This session will provide principal investigators with an overview of Export Controls, highlight issues that could be of concern, and provide principal investigators with guidance and available resources.

Faculty and principal investigators can attend in person or virtually via Zoom. A flyer with a description of these two sessions is available at [http://cpi.tamu.edu/resources/immigration-symposium/](http://cpi.tamu.edu/resources/immigration-symposium/).

Registration is available at [http://ifss.tamu.edu/2015/symposium/PI](http://ifss.tamu.edu/2015/symposium/PI). All principal investigators are encouraged to attend these two important sessions.

Contact:
Mr. Mario Rojo del Busto – mrbusto@tamu.edu, 862.1719

Alternative Performance Evaluation Form for Research Staff
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An **Alternative Performance Evaluation Form** for research staff is now available on the Division of Research Research Titles and Staffing webpage. If approved by your department head and dean, this form may be used in accordance with Standard Administrative Procedure 33.99.03.M0.01 to meet the requirements for position description review and acknowledgement, for creating a performance plan, and to assess employee performance. Certain information from the form must be uploaded into the PATH system by the supervisor or other user.

Please note, University SAP 33.99.03.M0.01 requires that the performance plan be documented in the PATH system; this may be done by entering a note that a performance plan is on file rather than entering goals into the system. The SAP also requires that the evaluation be uploaded and that the overall rating be entered into PATH. A supervisor or designated other user must enter the required information into PATH; the employee must acknowledge these items in PATH, and the supervisor or other user must close the evaluation in PATH.

Contact:
Ms. Martha Tackett – tackett@tamu.edu, 845.1882

Sign up for notifications about Limited Submission Proposal opportunities
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The list of current Limited Submission Proposal (LSP) opportunities, maintained by the Division of Research, is available at [https://u.tamu.edu/LSP](https://u.tamu.edu/LSP).

To receive notifications about new LSP opportunities as soon as they are announced, email Ms. Shelly Martin at shelly.martin@tamu.edu.

Governor Abbott lists research funding among emergency items
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In his State of the State address, Governor Abbott identified higher education research funding as his second emergency item. See more at [http://www.texastribune.org/2015/02/17/abbott-lists-5-emergency-items-session/](http://www.texastribune.org/2015/02/17/abbott-lists-5-emergency-items-session/).
The Division of Research at Texas A&M University issues a brief weekly bulletin for Principal Investigators that highlights research accomplishments and projects, funding opportunities, honors and promotions, workshops, and other items that may be of interest to the PI community.

Click here to subscribe or unsubscribe to the bulletin. Click here to submit items for consideration for an upcoming bulletin.

Upcoming Seminars and Workshops for Texas A&M Researchers

The Division of Research (DOR) offers seminars and workshops throughout the year relating to professional development in research proposal planning and writing. All of these events are coordinated by Research Development Services (RDS), a DOR unit providing a wide range of support to Texas A&M researchers. The new RDS calendar can be found at vpr.tamu.edu/researchdevelopment/calendars/events/.
TAMU Chemical Laboratory Safety Committee

CPI representative
Susanne Talcott, Ph.D.
Assoc. Professor,
NFSC COALS

Discussed Topics

- EHS leadership changes
- Chemical Inventory Tracking System
- Safety Evaluation of Syllabi for Chemical Classes
- Regulation of Safety for non-employee students in research laboratories
- Cost for hazardous waste
- Generation of general lab safety videos
EHS Leadership Changes

• Christina Robertson – Director for Environmental Health & Safety
• Brad Urbanczyk - Asst. Director for Environmental Health & Safety

Chemical Inventory Tracking System

• Chemical Tracking System for TAMU Chemical Purchases and Transfers
• Evaluation of different vendors in 2014
• Decision to not implement a complete chemical tracking system at this point due to high personnel involvement
Chemical Inventory Tracking System

- Currently implemented tracking system: CHEMICAL FACILITY ANTI-TERRORISM STANDARDS [6 CFR 27]
- Listed substances that may present a threat according to 6CFR27 are tracked through Aggie Buy
  - [http://cfr.regstoday.com/6cfr27.aspx](http://cfr.regstoday.com/6cfr27.aspx)

Safety Evaluation of Syllabi for Laboratory Classes

- General laboratory safety for students is not federally regulated through OSHA
- EHS currently cannot legally implement safety regulations for students (only for space and employees).
- Possible Update of University Rules needed
- Simplification of uniform evaluations of laboratory class syllabi in discussion
- Changes to LSA frequency per request from the TAMU, Academic Operations Committee (AOC)
Cost for Hazardous Waste

• No changes occurred within TAMU or EHS
• TAMU charges TEES, AgriLife, TTI etc for hazard. Waste disposal and changes to cost-structure happened within the agencies

Generation of Lab safety videos

• EHS is planning to produce a series of general lab safety videos for PI and laboratory use and is seeking input from PIs and instructors as well as existing videos.
Questions

Susanne Talcott
smtalcott@tamu.edu
Welcome to the March 4th CPI meeting

- Update on Texas A&M Chemical Laboratory Safety Committee – Dr. Susanne Talcott, CPI member, Agriculture and Life Sciences
- 84th Legislative Session Update – Mr. Michael O’Quinn, Vice President for Government Relations, Texas A&M University
- Update from Dr. Brett Giroir, Executive Vice President and CEO, Texas A&M Health Science Center

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Questions

?  

Susanne Talcott  
smtalcott@tamu.edu
## 84th Legislative Session Update

Mr. Michael O’Quinn, Vice President for Government Relations, Texas A&M University

### Where we at?

<table>
<thead>
<tr>
<th>General Revenue</th>
<th>Texas A&amp;M</th>
<th>A&amp;M GR Variance</th>
<th>TAMUG</th>
<th>TAMUG GR Variance</th>
<th>A&amp;M HSC</th>
<th>HSC Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HB 1</strong></td>
<td>$540,603,703</td>
<td>$35,910,373 (+7.1%)</td>
<td>$35,459,901</td>
<td>$2,588,279 (+7.9%)</td>
<td>$244,479,505</td>
<td>$5,840,499 (+2.4%)</td>
</tr>
<tr>
<td><strong>SB 2</strong></td>
<td>$540,603,703</td>
<td>$35,910,373 (+7.1%)</td>
<td>$35,459,901</td>
<td>$2,588,279 (+7.9%)</td>
<td>$244,479,505</td>
<td>$5,840,499 (+2.4%)</td>
</tr>
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</table>
Overview

• Little overall general revenue difference between House and Senate bills for Higher Education; no difference for each A&M entity.

• Both bills fund formulas for student SCH/FTE growth.

• GAI (General Academic Institution) and HRI (Health Related Institution) formulas increased.
  – $181.4 million added for GIA’s.
  – $60.3 million for HRI’s. (Because HRI growth is relatively smaller than GAI’s, hence lower % increase).

• for GAI’s and GME for HRI’s also loom. Healthy South Texas Initiative is among System priorities.

Overview – cont.

• Even though growth was funded, formula rates were not increased. Thus, less general revenue per student. Updated base period for SCH's will change the numbers above, but not too much.

• Non-monetary variance: HB 1 creates the Texas Research University Fund (TRUF) for Texas A&M and UT-Austin. The Competitive Knowledge Fund (CKF) was eliminated and the remaining institution’s funding via the CKF was placed in the Texas Research Incentive Program (TRIP). No structural change to status quo in SB 1 for CKF.
Overview – cont.

• No ornaments on the tree (no Special Item increases for GA’s and HRI’s)

• Likely House-driven priorities for GAI’s: (1) Capital Construction (2) Formulas (3) Research Funds. For HRI’s same, maybe not in this order; include GME.

• Institutional GAI and HRI priorities continue to be formula (dollars and rates), research funds (dollars and rates) and capital construction. Hazlewood for GAI’s and GME for HRI’s also loom. Healthy South Texas Initiative is among System priorities.

Bottom line

• Good starting point

• House mark-up begins soon. Numbers will change; not dramatically

• We have miles to go before we sleep

• Questions?
Brett P. Giroir, M.D.
Executive Vice President and Chief Executive Officer
Professor, College of Medicine and
The Dwight Look College of Engineering
@AggieTopDoc

Presented to
Council of Principal Investigators
Texas A&M University

Texas A&M Health Science Center is a Rapidly Evolving Institution

1976 College of Medicine formed under Texas A&M University
1986 Institute for Biosciences and Technology (IBT) established in the TMC to foster creative research related to medicine, agriculture, animal sciences and engineering.
1995 Founding of the School of Rural Public Health
Baylor College of Dentistry joins Texas A&M System
1999 HSC separated into independent administrative structure within the Texas A&M System
2006 Founding of the Irma Lerma Rangel College of Pharmacy
2008 Founding of the College of Nursing
2013: Academically Merged with Texas A&M University

TAMHSC remains an independent state agency and legal entity, with separate budget and legislative appropriations request.

Texas A&M Health Science Center
Organizational Chart

Michael Young
President
Texas A&M University

Brett Giroir
Executive Vice President & CEO

Patricia Haigwood
Chief of Staff

Vernon Tesh
Vice President for Academic Affairs

Jenny Jones
Vice President for Governmental and Public Affairs

Barry Nelson
Vice President for Finance and Administration

Paul Ogden
Interim Vice President for Clinical Affairs

Gerald Parker
Vice President for Public Health Preparedness & Response

Allison Ficht
Interim Vice President for Research

Cheryl Walker
Director, Institute for Biosciences and Technology

Theresa Maldonado
Special Assistant to the EVP/CEO

Lawrence Wolinsky
Dean, College of Dentistry

Paul Ogden
Interim Dean, College of Medicine

Indra Reddy
Dean, Irma Lerma Rangel College of Pharmacy

Jay Maddock
Dean, School of Public Health

Sharon Wilkerson
Dean, College of Nursing

Sharon Wilkerson
Dean, College of Nursing
Texas A&M Health Science Center
The Most Comprehensive Academic HSC in Texas

Medicine
Pharmacy
Nursing
Dentistry
Public Health
IBT

Ten-Year Enrollment
The HSC has undergone rapid expansion

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Fall 2004: 1,147
Fall 2005: 1,170
Fall 2006: 1,312
Fall 2007: 1,432
Fall 2008: 1,695
Fall 2009: 1,844
Fall 2010: 1,958
Fall 2011: 2,122
Fall 2012: 2,286
Fall 2013: 2,417
Fall 2014: 2,467

HSC
COM
Texas A&M Health Science Center

Facts and Figures

- Enrollment: 2,467
- Degrees Awarded (2014): 624
- Budget (FY’15): >$266 million
- Total FT Faculty: 535
- Tenure / Tenure Track: 230
- Clinical Faculty: 1,259

Diversity:
- Dental School ranks #1 nationally for underrepresented minority students at 40%
- Pharmacy ranked #1 or #2 nationally the last 3 years for Hispanic graduates at 38%
- Medicine ranks in the top 15% nationally for Hispanic student enrollment
- Medicine ranks in the top 22% nationally for underrepresented minority faculty
- SPH ranks #4 for student diversity according to USNWR
How has the College of Medicine performed relative to other institutions?

### Student Pass Rates for Licensing Exams on First Attempt

<table>
<thead>
<tr>
<th>Certification Examination</th>
<th>TAMHSC</th>
<th>National Average</th>
<th>Rank (TX Programs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>USMLE (MD) – Step 1</td>
<td>95%</td>
<td>95%</td>
<td>1 / 7</td>
</tr>
<tr>
<td>USMLE (MD) – Step 2 CK</td>
<td>98%</td>
<td>98%</td>
<td>1 / 7</td>
</tr>
<tr>
<td>USMLE (MD) – Step 2 CS</td>
<td>98%</td>
<td>97%</td>
<td>1 / 7</td>
</tr>
<tr>
<td>NBDE (DDS)</td>
<td>98%</td>
<td>94%</td>
<td>NA</td>
</tr>
<tr>
<td>NCLEX (BSN)</td>
<td>100%</td>
<td>93%</td>
<td>1 / 32</td>
</tr>
<tr>
<td>NAPLEX (Pharm.D)</td>
<td>92%</td>
<td>96%</td>
<td>4 / 8</td>
</tr>
</tbody>
</table>
## USNWR Rankings of Medical Schools 2015

<table>
<thead>
<tr>
<th>Institution</th>
<th>Research Rank</th>
<th>Primary Care Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baylor College of Medicine</td>
<td>21</td>
<td>12</td>
</tr>
<tr>
<td>UT Southwestern</td>
<td>26</td>
<td>22</td>
</tr>
<tr>
<td>UTHSC Houston</td>
<td>56</td>
<td>NA</td>
</tr>
<tr>
<td>UTHSC San Antonio</td>
<td>NR</td>
<td>NR</td>
</tr>
<tr>
<td><strong>Texas A&amp;M HSC</strong></td>
<td><strong>81 (82)</strong></td>
<td><strong>75 (84)</strong></td>
</tr>
<tr>
<td>Texas Tech</td>
<td>NR</td>
<td>NA</td>
</tr>
<tr>
<td>University of North Texas</td>
<td>NR</td>
<td>48</td>
</tr>
<tr>
<td>UTMB</td>
<td>NR</td>
<td>NR</td>
</tr>
<tr>
<td>University of Florida</td>
<td>42</td>
<td>75</td>
</tr>
<tr>
<td>UAB</td>
<td>22</td>
<td>43</td>
</tr>
<tr>
<td>Arkansas</td>
<td>84</td>
<td>40</td>
</tr>
<tr>
<td>Vanderbilt</td>
<td>15</td>
<td>29</td>
</tr>
</tbody>
</table>

153 Medical and Osteopathic Schools; 114 supplied data
( ) indicates 2014 ranking

## Total Research Expenditures for Texas Health Related Institutions (2013)

- TAMHSC is highly competitive on a per faculty basis.
The Texas A&M HSC faculty, staff, and students have embraced new aspirations for excellence
“Texas A&M HSC 2.0”
What Will the HSC Look Like in 2019?

The Texas A&M Health Science Center will be nationally recognized as the most rapidly emerging, research-intensive, innovation-driven, health science center in the nation.

- **COLLEGE OF MEDICINE**
  Will be recognized as a top 60 medical school in research, education, primary care; a top 40 medical school in 10 years.

- **SCHOOL OF PUBLIC HEALTH**
  Will be recognized as a top 20 program with global impact

- **COLLEGE OF PHARMACY**
  Will be recognized as a top 35 program

- **COLLEGE OF DENTISTRY**
  Will continue recognition as a premier Dental College, and will double research expenditures (top 20 NIH)

- **COLLEGE OF NURSING**
  Become a National Center of Excellence for nursing education; establish doctoral program.

- **INSTITUTE FOR BIOSCIENCES AND TECHNOLOGY**
  Double faculty and research expenditures; Recognized as a global destination of choice for elite basic and translational scientists

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Reinventing the Academic Health Science Center
Texas A&M HSC Research Strategy

1. Develop a bold shared vision of excellence
2. Recruit diverse disciplines into the health mission (physics, engineering, agriculture, etc.)
3. Develop interdisciplinary centers that leverage TAMHSC and TAMU core strengths
4. Target recruitment of physician scientists
5. Build a “DARPA-like” culture of creativity
6. Enhance research infrastructure and increase seed funding for PI’s and collaborations
7. Implement incentives for core facilities and align rewards for team science
8. Reward translational, deliverables-directed research and commercialization of discoveries
9. Expand collaborations with academically-driven health systems
HSC Participates in Research Development Fund
But Overall IDC Allocation Different that TAMU

- HSC Central Administration: 40% (not 60%)
- College Dean: 20% (not 0%)
- Department or Unit Housing PI: 15%
- Research Development Fund: 15%
- P.I. Incentive Funds: 10%

TAMHSC Research Expenditures
2014 Demonstrates Immediate Progress

<table>
<thead>
<tr>
<th>Year</th>
<th>External</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY01</td>
<td>17.8</td>
<td>24.3</td>
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<tr>
<td>FY02</td>
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<td>78.8</td>
</tr>
<tr>
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<td>53.2</td>
<td>75.5</td>
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<tr>
<td></td>
<td>80.6</td>
<td>100.6</td>
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</table>
### TAMHSC Regents-Designated Centers and Institutes

<table>
<thead>
<tr>
<th>Cardiovascular Research Institute</th>
<th>Southwest Rural Health Research Center</th>
<th>Ergonomics Center</th>
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</thead>
<tbody>
<tr>
<td>Institute for Ocular Pharmacology</td>
<td>Center for Community Health Development</td>
<td>Center for Community Health Development</td>
</tr>
<tr>
<td>Center for Craniofacial Research &amp; Diagnosis</td>
<td>USA-Center for Rural Public Health Preparedness</td>
<td>Center for Airborne Pathogen Research and Tuberculosis Imaging Resources</td>
</tr>
<tr>
<td>Center for Microencapsulation and Drug Delivery</td>
<td>Center for Health Organization Transformation</td>
<td>Institute for Public Health Improvement</td>
</tr>
<tr>
<td>Rural and Community Health Institute</td>
<td>Emergency Medical Preparedness and Response</td>
<td></td>
</tr>
</tbody>
</table>

### Emerging TAMHSC Inter-Disciplinary Themes, Programs, Centers, and Institutes

**Strategy:** Fully leverage leading Texas A&M University strengths, and new collaborative relationships throughout the region.

- Distributed Health and Patient Empowerment
- OptiEngineered Biotherapeutics
- Convergence Institute for Biopharmaceutical Development
- Clinical and Translational Neuroscience
- Epigenetics and Disease Prevention
- Translational Cancer Research and Prevention
- Applied NanoTherapeutics
Texas Medical Center Presence

A critical asset for translational research

The Texas Medical Center, Houston

Home of the Texas A&M HSC IBT

- Largest medical center in the world
- 58 hospitals, schools, research and other institutes
- 7.2 million patient visits per year
- $2 billion in research expenditures
Established in 1986

- 20+ Texas A&M HSC faculty, plans to double in size; 37 PhD students
- Leading HSC in biotech spin-offs
- IBT Centers (No Departments)
  - Translational Cancer Research
  - Stem Cell and Cancer Biology
  - Inflammatory and Infectious Disease
  - Translational Environmental Health Research
  - Epigenetics and Disease Prevention

IBT faculty are among the highest funded per researcher in the A&M System

P30 Center Grant
(\(\sim 7\) million over 5 years)

- Includes 66 participating faculty with \(>80\) million in direct grant support

To improve human environmental health by integrating advances in basic, biomedical, and engineering research and promoting translation of these advances from bench to bedside to the community....
“Field to Clinic Initiative”
Leveraging TAMU Agriculture for Natural Ingredients that Combat Cancer, Support Stem Cells - NIH P01 Center Grant

“Field to Clinic Initiative”
Leveraging TAMU Agriculture for Natural Ingredients that Combat Cancer, Support Stem Cells - NIH P01 Center Grant

Strategic Goal #1:
Provide the necessary knowledge and synthesis activities to understand the state of the Gulf as a large marine ecosystem.

Strategic Goal #2:
Link human and environmental health in addressing Gulf issues to the benefit of both.

A Center of Excellence created as part of the ongoing implementation of the federal RESTORE Act, which requires that the five Gulf states affected by the oil spill establish centers for conducting research on the Gulf Coast region.

The center will serve as a hub of study into the effects of such man-made and natural disasters to help guide research and restoration efforts.
Partnership Announcement
July 1, 2014

Premier Partnership to Enhance Medical Education and Research Innovation

- Begins MD training for 24 MS3s and 24 MS4s
- Expands MD-PhD training opportunities in the Texas Medical Center
- Develops “fast track” for best College of Engineering students to enter medical school and train at Methodist
- Reciprocal research appointments – shared core facilities and technologies

Mauro Ferrari, Ph.D.
Ernest Cockrell, Jr. Presidential Distinguished Chair
President and CEO
Houston Methodist Research Institute

CENTER FOR INNOVATION
IN ADVANCED DEVELOPMENT & MANUFACTURING
TEXAS A&M HEALTH SCIENCE CENTER
“And we are launching a new initiative that will give us the capacity to respond faster and more effectively to bioterrorism or an infectious disease - a plan that will counter threats at home and strengthen public health abroad.”

President Barack Obama
State of the Union
January 2010

DHHS Centers for Innovation in Advanced Development and Manufacturing

OBJECTIVES

- Provide 50 million vaccine doses to the US within 4 months of a pandemic influenza outbreak.
  (GSK will manufacture seasonal influenza vaccine in Texas during normal flu seasons)

- Lead the development of new vaccines and therapies for the US strategic national stockpile
  (Solves “valley of death” for biotech start-ups within Texas)

- Train the U.S. workforce in all aspects of biopharmaceutical development
  (Fills major Texas gap for expanding the biotech industry)

Total contract value ~$3 billion over 25 years, with an estimated economic impact to Texas of >$41 billion and >6,000 jobs
US biodefence facilities ramp up

“The future of the US government’s biodefence strategy sits in a warehouse in rural Texas.”

Healthy South Texas Initiative
American Healthcare is in Critical Condition

The New York Times
Spending More and Getting Less for Health Care
November 21, 2013, 2:51 pm

Targeted Healthy South Texas Region

- Vibrant and growing region
- Population ~2.4 million (2012)
- Adult obesity rate ~40%
- Adult overweight rate ~31%
- Adult Diabetes ~20%
An unprecedented, comprehensive, regional initiative to reduce preventable diseases and their consequences by 25% by the year 2025 in 26 counties in South Texas.

Program Objectives

**IMPACTS**

- **Diabetes Prevention:** Empower individuals via access to evidence-based education and monitoring in areas including prenatal care, weight management, and nutrition.

- **Asthma Prevention and Control:** Engage individuals via education, environmental control, and integration of services for the purpose of preventing and reducing the consequences of asthma.

- **Infectious Diseases Elimination:** Implement initiatives to reduce the burden of selected infectious diseases, including childhood parasites, with an emphasis on prevention and vaccination.

**OUTCOMES**

- Reduction of emergency department visits and hospitalization
- Reductions in complications including kidney failure, amputations, blindness
- Reduction in Body Mass Index; improved blood sugar control (A1c)
- Cost savings to the state, payors, and employers
- Reduction in days of work lost/productivity
Challenges: Faculty and Space

TAMHSC College of Medicine
TAMHSC is Woefully Short of Faculty: Hiring Plan Initiated

50 New Full-Time Faculty Needed Over the Next 5 Years

Total Medical Students

COM Full Time Faculty
TAMHSC Lacks Space

2013 Data for Texas A&M System: THECB Model

The HSC has a severe space deficit before accounting for current growth in students and research, and future plans for excellence.

Texas A&M HSC Infrastructure Projects

Medical Research and Education Building, Bryan (TRB Request)
- Estimated 160,000 square feet including vivarium
- Emphasis on flexible laboratories and shared core facilities
- Dedicated space for interdisciplinary initiatives

Dental Clinical Education Facility, Dallas (TRB Request)
- New Construction: patient clinic/operatories, 198,000 square feet
- Retrofit: flexible, interdisciplinary educational space and clinical simulation suite laboratories
**Concept**
Originated from year long TMC Strategic Planning Initiative to establish TMC as: “The World Leader in Life Sciences Research and Health Care”

**Core Shared Institutes – Funded by TMC and Participants**
Innovation, Clinical Trials, Genomics, Policy, Regenerative Medicine

**Location**
30 acres south of TMC clinical center; focus on translational research, clinical trials, biotech start ups; co-location of commercial pharma and venture capital

**Project Anchor Tenants**
MD Anderson Cancer Center, Baylor College of Medicine, UT HSC Houston, Texas A&M HSC (Other TAMU Colleges Invited!)
Thanks and Gig’em!
Other business

Acknowledgements

Thank you for attending today’s meeting.

Copies of today’s presentation materials are be available at http://cpi.tamu.edu/meetings

The next CPI meeting will be on March 4th in Rudder 601.

Activities and staff assistance for the CPI is provided through equal annual funding support by the Texas A&M AgriLife Research, Texas A&M Health Science Center, Texas A&M Engineering Experiment Station, the Texas A&M Transportation Institute, and the Texas A&M University Division of Research.