Board attendees

Dr. Magi Abou-Gharbia
Dr. Joseph Allegra
Mr. Albert Brown
Dr. Paul Curcillo
Dr. Madeleine Joullie
Mr. Ira Lawrence
Mr. Jay Novik
Dr. Aileen Rothbard
Mrs. Seda Tarzian

Staff attendees

JoAnne Epps, Provost and Executive Vice President
Gregory Fornia, CST Director of Communications
Grace Hershman, Director of CST Post Baccalaureate Programs
Michael L. Klein, FRS, CST Dean
Robert Levis, CST Senior Associate Dean
Michael Lawlor, CST Assistant Dean for Undergraduate Studies
Evelyn Vleck CST Assistant Dean for Undergraduate Studies
David Miller, CST Assistant Dean for Development and Alumni Affairs
Susan Varnum, CST Associate Dean for Science Education
John R. Walker, CST Associate Vice Dean
Kallie Willets, Associate Professor of Chemistry

The meeting was called to order at 8:42AM by Dean Michael L. Klein, FRS.

Special Reports
College update – Michael Klein
Pre-Health Post-Baccalaureate update – Grace Hershman
Selected research – Kallie Willets
Professional Science Master’s and STEM update – Susan Varnum
State of the university – JoAnne Epps
Undergraduate program changes – Michael Lawlor
Development and alumni affairs – David Miller and John Walker

PowerPoint presentations for special reports are available at cst.temple.edu/BOV
Discussion

College update
Michael L. Klein

Dean Klein presented a broad overview of CST. Graduate enrollment is up. International enrollment stands at 24 percent, compared to 15 percent for the university.

A Board member asked if the college retains the additional revenue from new students.

Dean Klein responded that college revenue increased by $13 million, but due to increases in allocated costs back to the university (an increase of the university “tax” from 51.4 percent to 53.4 percent) and salary increases, the college is $3 million in debt.

The college's recruitment of new faculty has been on an “unimaginable scale.” Recent hires include Sergei Pond and Yugang Sun, who both are included in the Thomson-Reuters most influential science minds listing.

A Board member asked if new faculty members are hired for both research and teaching.

Dean Klein responded that new hires are primarily research focused, with one semester off from teaching to get research efforts going. This has accelerated the college’s move into genomics, genetics and big data.

A Board member asked if the college has done analysis of the costs and revenue of new faculty members.

The Dean responded yes, and that this positive information has been passed along to the university.

A Board member asked who does the bulk of the teaching at the college; and that it is important that research-funded faculty also teach.

The Dean responded that all professors teach, although if a faculty member has research funding he/she will have a 1/1 course load.

The Senior Associate Dean responded that department chairs have done a great job recruiting faculty who teach a 3/3 course load.

A Board member commented that there is currently no manager for the organic chemistry laboratory, and that additional money is needed to hire a qualified person.
The Senior Associate Dean responded that Michael Lawlor had to be moved quickly to his current position, and that the organic chemistry lab manager position will likely be hired by January 1, 2017.

CST’s Temple Materials Institute facility is up and running and the college is negotiating with Temple’s vice president for research to share resources. The college is also experiencing success in securing funds for research instrumentation, specifically for computing power to support data analytics, including $2 million to rebuild high-performance computing at Temple.

The college recently earned a $20 million award to be part of the Temple Brain Institute, run jointly by CST and the School of Medicine. The university is currently ranked 18th in Google Scholar citations, with CST playing a major part in that ranking. CST offers a great ‘value proposition.’ CST runs high-performance computing for the university and that impacts data analytics across a range of areas including drug discovery.

The status of the new interdisciplinary science building is unclear. The building costs likely would top $100 million, split between the university, fundraising by Temple’s Institutional Advancement office and tuition revenue from the college.

A Board member asked how much revenue differential tuition brings to the college.

The Dean responded that if accounts for $6-$7 million per year (currently in its first year), with half being allocated to the new building.

A Board member commented that university development efforts would be ‘in limbo’ for the next 2-3 years due to the Temple president situation.

A Board member asked if the football stadium was on track.

The Dean responded that the leadership of the Temple Board of Trustees is still in favor of constructing an on-campus stadium.

**University overview**

*JoAnne Epps*

The Provost stressed her role to bring stability to Temple leadership. The university continues to invest in research, teach students and transform lives.

A Board member asked if Temple Trustees continue to support football and sports.
The Provost responded that the university is committed to Division I sports, although there continues to be an ongoing conversation about costs.

A Board member asked about continued investment in campus buildings and infrastructure.

The Provost responded that the university continues to move forward on the $750 million master campus plan. The university also continues to support and invest in CST.

**Pre-health Post-baccalaureate**  
*Grace Herschman*

Herschman provided an update on the new Pre-health Post-baccalaureate program. There are 200 such program across the country. Tuition costs for the program are $26,000 in state and $32,000 out of state. The program is only enrolling individuals who are most likely to succeed.

A Board member asked how easy is it to set up the appropriate courses for pre-health.

Herschman responded that strong collaboration between CST and the School of Medicine is helping with course design.

A Board member asked if financial aid is available to pre-health students.

Herschman responded that scholarships are available.

**PSM and STEM overview**  
*Susan Varnum*

Professional Science Master’s offerings have expanded, including the new science writing program, currently in final departmental review, that offers opportunity for growth. In STEM programming, the college has had success with the Let’s Get Ready (LGR) program that prepares high-school students for college. Twenty-seven LGR students have matriculated at CST.
Undergraduate programs

*Michael Lawlor*

The undergraduate data science major has been approved by the Temple Board of Trustees. Rather than three separate majors, the program was redesigned as one major with three distinct concentrations. Per the CST Board of Visitor’s suggestion, the college changed the name of one track from Genomics to Genomics and Bioinformatics. Lower math SAT scores are associated with lower retention rates in CST programs. The college is investigating ways to improve retention of CST students with lower math SAT scores. The college will enroll students who do not meet requirements into the BA in natural science major with additional supports.

Research overview

*Robert Levis*

CST is experiencing great success in research that cuts across disciplines and departments, including data analytics, advanced materials, genetics & genomics and chemical biology and drug discovery. Collaborations are ongoing with Temple medicine, dentistry, pharmacy, engineering, public health, law, liberal arts, and business. CST’s 135 tenured faculty brought in $24 million in research grants in FY 16. Future research directions include microscopy, big data, and traumatic brain injury, as well as continuing to expand the Temple Materials Institute.

Development and alumni affairs

*David Miller and John Walker*

CST surpassed its fundraising target, reaching 115 percent of goal. Total cash received at the end of FY 16 was $1,355,014. Number of donors increased by 6.9 percent. Alumni participation was 7.51 percent.

A Board member asked about the results of the CST Faculty and Staff Giving Campaign.

Staff responded that the faculty and staff participation rate was 33 percent. The total raised was approximately $66,000.

The meeting was adjourned by Dean Michael L. Klein, FRS at 11:50PM.
Undergraduate Research Program Symposium Awards

Meeting attendees then proceeded to the Undergraduate Research Program symposium awards presentation on the mezzanine of the Science Education and Research Center. Presenting the awards were Dr. Joseph Allegra, Chair of the Board of Visitors, and Michael L. Klein, FRS, Dean and Laura H. Carnell Professor of Science. The student recipients were:

- Aaron McLeod, First Place
- Devon Riggs, Second Place

Respectfully submitted,

John R. Walker, Esq.
Associate Vice Dean