

**Present:** Drs. Becker, Born, Bourdeaux, Burstein, Chang, Connelly, Daley, Donoff, Dunn, Earp, Farrell, Fishman, Haigis, Khoshbin, King, Klig, Kohane, Mehrotra, Morton, Nagler, Padwa, Podolsky, Pomahac, Poussaint, Samuels, Sieberg, Slanetz, Stone, Struhl, Wagers

**Guests:** Drs. Bates, Buckley, Flanagan, Garber, Golan, Hundert, Muto, Roberts

**Staff:** Ms. Hecht; Dr. Lensch

Dean Daley called the meeting to order at approximately 4:05 p.m. He asked for and received acceptance of the minutes from the December 13, 2017 meeting, as presented. He apologized for missing that meeting and thanked Dean Tarbell for chairing the meeting in his absence.

Dean Daley went on to say he was briefed on the key points from the December meeting's discussions and thanked the Council for their time and voice on the subject. He mentioned that he has accepted the Council's recommendation to approve the Grievance Procedures policies.

Next, Dean Daley discussed the agenda for the meeting, which began with the annual visit from Harvard's Provost, Alan Garber, followed by an update on the post-clerkship Pathways medical curriculum from Dean Hundert and Dr. Flanagan.

Dean Daley introduced Provost Garber.

Provost Garber holds professorship appointments at four Harvard schools, but his HMS professorship is his primary. He is invested in the success of HMS and cares deeply about HMS as Provost but also as a faculty member. He touched on a few big issues.

Provost Garber discussed mental health among students and a request from a dean of another Harvard school to look at how the University handles student mental health. At the undergraduate level, there has been a huge increase over the last year with self-diagnosis (anxiety and depression) and with utilizing services. University Health Services (UHS) has seen a big increase in 3 or less visits, which is overwhelming for UHS to provide care. He mentioned how this is not unique to Harvard, also a problem at other Ivy League schools.

Provost Garber went on to discuss an economic survey that looked at other areas including quality of life and mentorship. There are many points of contact for students (PIs and advisors) but students are afraid to share stresses with their bosses. Advisors and PIs haven't really been trained to provide guidance to those who come to them. The next step from the survey will be a review of the mental health services and Provost Garber welcomes ideas on mental health from the Faculty Council.

A discussion on this topic followed.

Next, Provost Garber gave a Student Unionization update. There have been a series of appeals and January 11, 2018 is the day where there will be a final count of ballots that were cast over a

year ago. He provided a brief background on the history of the Student Unionization voting process. If the union wins, the students unionize. If the union loses, there will be another election, likely in March 2018. If there is another election, Provost Garber encourages faculty involved with students to make sure they vote and to be informed, while at the same time, not lobbying. It is important to note that students who do not vote, or vote against it, will still be subjected to the bargaining agreement.

Next, Provost Garber discussed the new US tax law and how it will impact the University. The University is still waiting to hear from the IRS for guidance, but pointed out that the tax for grad students as income was not included in the law. Harvard will be responsible for 15% of revenue collected under the tax.

Provost Garber spoke briefly on the Harvard Presidential Search. The Corporate and three members of the Board of Overseers are the search committee and the hope is to have a new president in place July 1, 2018, when President Faust steps down. They are not looking at an interim President.

Lastly, Provost Garber discussed the Life Sciences Strategy Committee he and Dean Daley are on. There are representatives from industry, MIT, the attorney general's office, hospitals, the Governor's office and the Mass Life Science Center. Bill Lee and Provost Garber have met with both the governor and the attorney general to make the point that the Boston region is the center of the universe for life sciences, and that everything should be done to make sure we don't lose this, like the area did with the tech industry 30 years ago before losing it to Silicon Valley.

There was some discussion before Dean Daley thanked Provost Garber and introduced Dean Hundert and Dr. Flanagan to give an update on the post-clerkship Pathways medical curriculum.

Dean Hundert began giving an overview of the new curriculum design rolling out and the tracks for HST, Pathways and MD/PhD students and showed a detail map of the Pathways curriculum. He focused on Year III and the elements of Post-PCE.

Requirements of Post-PCE phase of HMS Pathways Curriculum include:

- Advanced Integrated Science Courses: 2 x four-week courses, at least one in Year III- new innovation courses
- Essentials II: four-week course, October or March, Year III or IV- everyone has to take. Population and Social Medicine aspects starting for first time in March 2018, will be the first time collaborating with HBS faculty.
- Clinical electives: At least 3 x four-week clinical electives at HMS affiliated hospitals
- Everyone must do Sub-Internship in Medicine or Pediatrics – 1 x four weeks by July before graduation- most do Medicine.
- New innovation that everyone has to do is Clinical Capstone: 1 x four weeks – January, February, March or April, Year IV (includes 3 weeks of sub-I level clinical work). Second

sub-internship, a hybrid course with one week in classroom to prep as intern and three weeks sub-internship.

- Scholarly project: Proposal due April 15 Year III; product due March 1 of graduation year
- Comprehensive Clinical Skills Exam everyone has to pass: Summer after PCE
- Passing Steps 1, 2CS and 2CK required for graduation
- Maintain full-time enrollment

One of the most exciting developments of Pathways courses is the chance to bring quad-based faculty into the classroom. Dr. Flanagan discussed the Advanced Integrated Sciences Courses (AISCs). Each course is four weeks with about 20 students per course. Students are required to take 2 AISCs, at least one in year III.

Dr. Flanagan acknowledge those who served on the AISCs committee and developed the AISCs:

John Flanagan  
Eli Miloslavsky  
Henrike Besche  
Andy Lichtman  
Rich Schwartzstein  
Steve Calderwood  
Randy King  
Bernard Chang  
Rick Mitchell  
Peter Howley  
Connie Cepko  
Tio Thomas

The basic overall idea of AISCs is to provide students with skills to engage with clinically-relevant science at the research frontier. Dr. Flanagan discussed the dual goals for each course. Each course has course- specific content and set generalizable skills that all AISCs would convey:

- Find and critically evaluate research information
  - Communicate scientific information to peers or patients
  - Understand how research influences patient care
  - Formulate questions and ideas for research and progress

In terms of broad design concepts of the courses, Dr. Flanagan explained that they want to leave plenty of time for self-directed learning. They want courses to have some sort of clinical integration (i.e. clinical/industry experiences about 2 half-days a week and recognize applications of science, coming up with unanswered questions). Collaborative learning approaches like case-based methods and flip classroom education methods. There will be deep dives at the frontier with three to four examples of exciting clinically-relevant research, fuel for engagement in research frontier.

Lastly, Dr. Flanagan reviewed the 2018 AISCs (8 courses). Discussed the initial concerns of unbalanced distribution of courses, but found that they courses were relatively distributed with more than 90% of students receiving their first choice and all students receiving their first or second choice.

Dean Hundert stated that they are looking to add 2-5 additional courses because two times as many students will be taking AAICs, and are looking to increase offerings. If anyone on Faculty Council has ideas for other courses to develop for 2019, they are still deciding courses and should contact [Dr. Flanagan](#).

Drs. Burstein, Golan and Kohane spoke about their courses, which started a week ago, to give the Council an idea on how things are going and the reactions so far, one-week in. They all commented on how exciting it is.

Some questions and discussion followed.

Faculty Council Vice Chair, Dr. Burstein, informed the Council that the February meeting would be dedicated to a discussion on faculty burnout.

Dean Daley adjourned the meeting at 5:40pm.