UNIVERSITY FACULTY
SENATE MEETING

FEBRUARY 20, 2013
AGENDA

• Call to Order – Speaker Steve Beer (3 min)
• Announcements – Dean of Faculty Joe Burns (6 min)
• Approval of December 12, 2012 Minutes – Speaker Steve Beer (2 min)
• Report from Nominations & Elections – Associate Dean of Faculty Michael Fontaine (3 min)
• An Investigation about the Ho Plaza Demonstrations – President David Skorton (20 min)
• Senate Discussion of the Second Ho Plaza Resolution – Members (20 min)
  • Introduction: Joe Burns (2 min)
  • Members (18 min)
• The State of Sponsored Research – Senior Vice Provost for Research, Robert Buhrman (30 min)
• General Good and Welfare (6 min)
INTRODUCTIONS & ANNOUNCEMENTS
DEAN OF FACULTY
20 FEBRUARY 2013

• Tulips/Hyacinths from Hortus Forum
• Faculty Soup
  • 11:30-1:30, Regent’s Lounge, Statler Hotel
• Faculty Forum II
  • The Future of the Research Library
• Nominations Due @ DOF Office:
  Stephen H. Weiss Presidential Fellows, March 8
  Messenger and University Lecturers Fall 2013, April 1
  Elections: See N&E report
• Actions from December Meeting
  President’s Ho Plaza Committee Report Distributed
  Senate Investigation Committee:
    Rick Allmendinger, Bill Fry, Margaret Washington
Recent Deaths of Notable Faculty
Jerry Hass
Bob Richardson
Remembering Jerry Hass
A Service of Remembrance
for the James B. Rubin
Professor Emeritus of Finance

Friday, March 1, 2013 | 3:00 p.m. - 4:00 p.m. | Sage Chapel
Followed immediately by a reception in the Dyson Atrium, Sage Hall
APPROVAL OF MINUTES FROM
12 DECEMBER 2012
UNIVERSITY ASSEMBLIES (UA)

UNIVERSITY ASSEMBLY
• Ellis Lowe, College of Veterinary Medicine
• Ronald Booker, College of Arts & Sciences

CAMPUS WELFARE COMMITTEE
• Marianella Casasola, College of Human Ecology

CAMPUS PLANNING COMMITTEE
• Abraham Stroock, College of Engineering

UNIVERSITY HEARING BOARD
• Ross Brann, College of Arts & Sciences
NOMINATIONS & ELECTIONS COMMITTEE
1 Seat Open

UNIVERSITY FACULTY COMMITTEE (UFC)
5 Seats open
• 2 Senators seats
• 3 Non-Senator Seats

Please send nominations by 2/28/13 to:
deanoffaculty@cornell.edu

Further information on these vacancies can be obtained from the Dean of Faculty Office.
WHEREAS, members of the Cornell community have the right to free expression, academic freedom, and freedom of peaceable assembly, as recognized by the Cornell Campus Code of Conduct;

WHEREAS, the Campus Code of Conduct, Article III.B.1, states: “All protection and regulation of expressive conduct should be content-neutral. A group’s persuasion or point of view should have no bearing on the grant of permission or the conditions regulating that group’s expressive conduct.”

WHEREAS, the Campus Code of Conduct, Article III.B.3, states: “Because outdoor picketing, marches, rallies, and other demonstrations generally pose no threat of long-lasting exclusive use of University grounds or property, there appears to be no need for a mandatory permit procedure for such outdoor activities”;

WHEREAS, any administratively imposed requirements of a mandatory permit procedure (such as a Use of University Property Form/UUP) for outdoor picketing, marches, rallies, and other demonstrations, including rallies in Ho Plaza, are in conflict with the Campus Code of Conduct, Article III.B.3;

WHEREAS, on November 19, 2012, the Cornell police attempted to stop or restrain the rally by the Students for Justice in Palestine (SJP) on Ho Plaza, while allowing the Cornell Israel Public Affairs Committee (CIPAC) to carry out its rally on Ho Plaza;

WHEREAS, the Cornell police, in attempting to stop or restrain the SJP rally, reportedly engaged in intimidating and physically aggressive conduct, including: pushing one faculty member and interrogating at least two others and threatening them with judicial action for failing to show identification; and intimidating at least two students, including throwing one to the ground and threatening to arrest a student;
THEREFORE BE IT RESOLVED that the Faculty Senate charges the Dean of the Faculty and the University Faculty Committee to form an ad hoc committee to investigate any interference with freedom of expression, academic freedom, and freedom of peaceable assembly during the events of November 19, 2012 on Ho Plaza, including, but not limited to: obtaining statements from relevant administrators, the Cornell Police Chief, Cornell police officers present at Ho Plaza, the heads of the SJP and CIPAC, aggrieved students and faculty, and other witnesses to the events; and obtaining other evidence such as photographs or video recordings of the events;

BE IT FURTHER RESOLVED that the ad hoc investigating committee shall report back to the Faculty Senate with a written account including the committee’s findings concerning any interference with freedom of expression, academic freedom, and freedom of peaceable assembly on November 19, 2012; and the committee’s recommendations to ensure that freedom of expression, academic freedom, and freedom of peaceable assembly be upheld at Cornell, including, but not limited to: rescinding administrative policies that are inconsistent with the campus code's presumption that permits are not required for outdoor events involving freedom of expression, academic freedom, and freedom of peaceable assembly; disciplining any police engaged in misconduct during the events of November 19, 2012 on Ho Plaza; and educating and training Cornell police concerning their obligations to respect and protect freedom of expression, academic freedom, and freedom of peaceable assembly on campus.
Research Report

Bob Buhrman
Senior Vice Provost for Research
Vice President for Technology Transfer and Research Policy

Report to Faculty Senate
February 20, 2013
Cornell Research and Scholarship

Two components – as seen by federal agencies

– “Departmental Research” – not separately budgeted or reported

– “Organized Research” – separately budgeted research activities
  • Includes:
    – Externally sponsored research
    – Research supported by state and federal appropriations
    – Research supported by separately budgeted Cornell funds

Research Division’s primary concern:

Supporting and overseeing Cornell’s organized research on Ithaca, Geneva and NYC Tech campuses
Scope of Cornell’s Organized Research

- $509M research expenditures (Ithaca campus) – FY2012
  - Sponsored, state and federal appropriations, internal support (mainly contract colleges)
  - 26% of Ithaca campus budget

- ~1,900 graduate students (GRAs only)
  ~3,900 total personnel supported with sponsored funds

- ~1,100 principal investigators with active awards

- >225 department and college research administrators
Sponsored Research Expenditures

FY 2012: Ithaca down 4.5%  WCMC up 6.6%

0.5% decrease from FY2011
Research Expenditures by Major Discipline

- Medical Sciences: 43%
- Biology: 15%
- Multidisciplinary: 8%
- Agriculture: 8%
- Physics: 5%
- Astronomy: 3%
- Comp Sci: 2%
- Economics: 2%
- Chem Engineering: 2%
- Electrical Engineering: 2%
- Sociology: 1%
- Other: 9%
Sponsored Research (Direct) by Unit

- Engineering: 18%
- Arts & Sciences: w. RC's+CHESS: 26%
- Agriculture & Life Sciences: 33%
- Veterinary Medicine: 10%
- Human Ecology: 6%
- Computing & Information Sciences: 5%
- Industrial & Labor Relations: 2%

Total: 100%
Sponsored Research By Funding Source

Fiscal Year

- Data categories: Non-Profit, All Other, ST & Loc, CORP, FDN, Fed

- The chart shows an increase in sponsored research funding over the years, with a significant rise in recent years.
Fiscal Year

Federally Funded Research Expenditures

$466M

Fiscal Year

Much of drop in ‘10 due to re-categorization of flow-thru of federal funds
Sponsored Research Funding by Source

- DHHS: 39%
- NSF: 22%
- Corp.: 5%
- Found.: 12%
- DOD: 5%
- USDA: 3%
- DOE: 2%
- NASA: 2%
- AID: 1%
- Non-Profit: 2%
- Other Fed: 2%
- All Other: 0%

Cornell #3 University in NSF Research funding – FY12
in billions of constant FY 2012 dollars

Source: AAAS Report: Research & Development series. FY 2012 and FY 2013 figures are latest estimates. Basic research only. © 2012 AAAS
National Science Foundation Budget

Budget Authority in billions of constant FY 2012 dollars

Source: National Science Foundation budget requests. FY 2012 figures are latest AAAS estimates and FY 2013 figures are President's request.

© 2012 AAAS
National Institutes of Health Budget, 1998-2013
budget authority in billions of constant FY 2012 dollars

Source: AAAS Report: Research and Development series and agency budget documents. FY 2012 and FY 2013 figures are latest estimates. © 2012 AAAS
Research Division Components

1. Research Administration Units

Office of Sponsored Programs (OSP)
- ~1,900 new proposals annually
- ~3,700 active awards; 608 active sub-awards

Office of Research Integrity and Assurance (ORIA)
Faculty compliance committees
- IACUC - 500+ animal use protocols
- IRB - 1,400+ human subject research protocols
- Institutional Biosafety Committee – 240 active protocols
- fCOI Committee

Cornell Center for Technology Enterprise and Commercialization
- 390 invention disclosures, 158 patents,
- 7 startup companies, 184 new licenses
- $12.6M CCTEC gross revenue
Research Division Components

2. Research Support Facilities

Center for Animal Resources and Education (CARE)
   930 unique CU users (2012)
Biotech Institute/Life Sciences Core Facilities
   1059 unique CU users
Center for Materials Research (shared facilities) (CCMR)
   822 unique CU users
Center for Advanced Computing (CAC)
   645 unique CU users
Nanobiotechnology Center (NBTC)
   318 unique users
Cornell Nanoscale Facility (CNF)
   434 unique CU users
Cornell High Energy Synchrotron Source (CHESS),
   217 unique CU users
Cornell Institute for Social and Economics Research
Survey Research Institute
Cornell Research and Scholarship
*Excellence and Productivity*

Academic Reputation – ranked 6th by US News

US News Undergraduate Programs: Overall & Academic Reputation Ranks

<table>
<thead>
<tr>
<th>Year</th>
<th>Overall Rank</th>
<th>Academic Reputation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002</td>
<td>14</td>
<td>10</td>
</tr>
<tr>
<td>2003</td>
<td>14</td>
<td>9</td>
</tr>
<tr>
<td>2004</td>
<td>14</td>
<td>9</td>
</tr>
<tr>
<td>2005</td>
<td>14</td>
<td>9</td>
</tr>
<tr>
<td>2006</td>
<td>13</td>
<td>9</td>
</tr>
<tr>
<td>2007</td>
<td>12</td>
<td>9</td>
</tr>
<tr>
<td>2008</td>
<td>12</td>
<td>9</td>
</tr>
<tr>
<td>2009</td>
<td>14</td>
<td>10</td>
</tr>
<tr>
<td>2010</td>
<td>15</td>
<td>8</td>
</tr>
<tr>
<td>2011</td>
<td>15</td>
<td>6</td>
</tr>
<tr>
<td>2012</td>
<td>15</td>
<td>6</td>
</tr>
<tr>
<td>2013</td>
<td>15</td>
<td>6</td>
</tr>
</tbody>
</table>
Cornell Research: Excellence and Productivity

More graduate programs ranked in the top 10 by Academic Analytics’ “Faculty Scholarly Productivity Index” metric than any other university.

Third in number of graduate programs ranked in top 5

Why?

Excellence within the disciplines

More than the sum of the parts
  Graduate field system
  Efficiency and effectiveness of shared resources
  Interactions and collaborations across the disciplines
3. Interdisciplinary Research Centers and Institutes

Includes:

Center for Accelerator Based Sciences and Education (CLASSE)
Cornell Center for Materials Research (CCMR)
Center on the Microenvironment and Metastasis (CMM)
Energy Materials Center at Cornell (EMC2)
Center for Radiophysics and Space Research
KAUST-Cornell Center for Energy and Sustainability
Weill Institute for Cell and Molecular Biology
Atkinson Center for a Sustainable Future
Kavli Institute at Cornell for Nanoscience
Center for Vertebrate Genomics
Cornell Center for Comparative and Population Genomics
Cornell Humanities – More than the sum

Society for the Humanities: Est. 1966

“One of the world's leading incubators of interdisciplinary innovations in the humanities”

**Mellon Foundation Awards** – Three $1M+ awards recently, one a matching challenge for an endowment
Cornell Nanoscience – More than the sum
Kavli Institute at Cornell for Nanoscale Science

Shared nano-instrumentation facility – *in PSB*
Shared postdocs, multiple PI - team projects
23 Science and Nature Journals papers in 2.5 years

16 Faculty Members
5 KIC PDs
1 Visiting Faculty Fellow
Cornell Research: Looking Forward

- External-based (federal) prospects: Challenging, at least for short term
  - Increasing regulatory burden on researchers and institutions
  - Available federal funding
    - flat (in current dollars) at best
    - 6% or more reduction possible this year due to sequestration

- Internal prospects positive – strong and growing foundation for success
  - Faculty renewal – making good progress
  - Cornell’s research enterprise is well oriented for today’s challenges
    - Culture of success in multi-disciplinary collaborations
    - Arising from strength in the disciplines
    - Shared/core facilities that are truly shared and that efficiently meet the needs of our researchers
    - Institutes and centers that truly promote interaction and creativity