Thank You for the Invitation to Brief the Senate on Research and Northeastern: Present and Future

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Impact of Partial Government Shutdown

- On universities – was minimal
  - Major impacts reported in the media referred to certain federal labs
- At Northeastern
  - Federal funding is about 80% of our research funding
  - NIH and DoD were not shutdown, therefore no impact
  - NSF - We floated ongoing projects - $4.6 MM, all recovered since reopening
  - If shutdown reoccurs – no reviews, panels, PI meetings, award processing
    - Funded work can continue
    - The university will float approved programs that have not received official award
  - Short term shutdown should have minimal impact
  - Long term shutdown could have an impact on our research funding trajectory
    - We will make sure no current students are harmed
Reorganization of Research Offices

- Newly formed Research Enterprise Services (NU-RES)
- All three groups merged under Senior Vice Provost, Research
- New Vice Provost for Research Administration – search underway
  - Jeff Seo is Interim VPRA
- Co-located in 177 Huntington
Progress on Research Support Processes

- Systematic Approach – capture data; consistently work to improve metrics
- Increase training programs for our central and college research support professionals
- Integration of new tools and systems

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<tr>
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<th>Award Acceptance</th>
<th>Compliance Verification</th>
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<tr>
<td>Dec 2017</td>
<td>Dec 2018</td>
<td>Oct 2017</td>
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<tr>
<td>Days</td>
<td>57</td>
<td>38</td>
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<td>Oct 2018</td>
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<td>79</td>
<td>18</td>
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Median Days to Complete - % Change

- Industry NDA: 43
- Industry SRA: 39
- Gov/NP NDA: 35
- Industry MTA: 18.5

Red bars represent Median Days '18, White bars represent Median Days '19.
Process Improvement Initiatives

• Streamline review of industry sponsored research agreements
  ➢ Interim VPRA works closely with RPOC
  ➢ Streamline review of industry agreements with implementing guidelines around number of exchanges with sponsors
  ➢ Encourage transition of University NDAs into personal NDAs where applicable
  ➢ Assess IP risk early in the process
  ➢ Tracking median days to execution of industry agreements

• Reduce, consolidate communications from NU-RES

• Updated internal forms for ease of use / comprehension
  ➢ Award Obligation Set-Up
  ➢ Transaction Form
  ➢ Subaward Request Forms
Process Improvement Initiatives

• Electronic Proposal Award Workflow System (ePAWs) Phase 1 implementation underway
  • Complete award process management → Ensures transparency for faculty
  • Dashboard for each user (including faculty)
  • Proposals & Awards Database → Virtual Database
  • Budget Calculators
  • **Review & Routing Statuses for ALL contracts / grants** (faculty access to status of all his/her grants and contracts)
  • Reports (does not track spending – will be a separate tool)
  • Tool Tips & Embedded Training

• Pilot on desktops - Spring 2019
Training Initiatives

• NU-RES developed internal cross-training courses for RA / RF teams

• New RA certification training program to be developed in 2019

• New in-person Responsible Conduct of Research (RCR) Training Workshops for new researchers to be launched in 2019

• New annual awards to recognize outstanding research administrators nominated by supervisors
Center for Research Innovation – CRI
Protecting, Accelerating and Commercializing Innovation

CURRENT FUNCTIONS

• Inventor Services
• Faculty and Student Education
• Business Development and Commercialization
• Transition Support

KEY PROGRAMS

RISE
RESEARCH INNOVATION SCHOLARSHIP ENTREPRENEURSHIP

InnoEd
WHERE INNOVATORS LEARN

Northeastern University
GapFund360
TECHNOLOGY: LAB TO LICENSE

Pathways to Partnership
New Initiatives – Focus on Faculty

• Institutes

  | CILS | CSI | GRI | ICP | IER | KRI | NSI | WIOT |

• Core Facilities

• Director of Entrepreneurship

• A/VP of Research Safety
Research across the Global Network

- We already have significant international engagement through collaborations
- The Campus Node View
  | Boston | Burlington | Charlotte | London | Nahant | San Francisco |
  | San Jose | Seattle | Toronto | Vancouver | Washington | ....
- I-Team Summer 2018
- RPOC
- In the earliest stages