Agenda

- People
- Investments
- Performance
- Changes to Annual Reports and Recognition
- CFA Deliverables
People

- The outside world is recognizing talent within Northwestern Cores
  - Josh Rappoport has accepted position as Executive Director, Research Infrastructure at Boston College
  - Jinsong Wu has already started as a faculty member at Wuhan University
  - Keith MacRenaris accepted a position at Thermo

- Cores are recognizing their own high performers
  - Core specific job families are being used to streamline hiring and as a promotion mechanism
Continued Investment in Cores

- New cores created
  - **Center for Hierarchical Materials Design (ChiMAD)**
    - Under a NIST-sponsored grant to promote the Integrated Computational Materials Engineering (ICME) approach to development of new materials, the Center for Hierarchical Materials Design (CHiMaD) was founded with a focus on developing the next generation of computational tools, databases and experimental techniques to accelerate virtual design of novel materials and their integration to industry as part of the federal government’s Materials Genome Initiative (MGI). The paradigm of computational design of material systems has been shown to significantly reduce time from ideation to component qualification.
  - **DevSci’s Neurodevelopmental Resource Core (ND Core)**
    - DevSci’s Neurodevelopmental Resource Core (ND Core) recharge center provides services in support of research, education, and assessment technology related to neurodevelopmental research methods. We work with clients to determine the most scientifically rigorous and cost-effective plan. We can train your research assistants, students or postdocs to the run the studies or our team of core research assistants can collect, code and score the data for you. Our services are tiered to meet the needs of investigators new to neurodevelopmental research methods or investigators with expertise in these methods who need extra help with data collection. Are users include researchers who are experienced in studying adults who are extending their research to development, researchers and clinicians adding neurodevelopmental methods to their studies, and students and investigators who want to use our equipment and lab space to supplement their own. The DevSci Core also offers training in use and interpretation of developmentally sensitive research methods.
Continued Investment in Cores

- Expanding Capabilities

  - CleanCat → Reactor Engineering and Catalyst Testing Core (REACT) –
    - Hired Selim Alayoglu
    - Emphasizing reactor design in addition to catalyst testing
  
  - ELSC → NU Laser and Electronics Design Core (NU-LED)
    - Hired Sheena NM
    - New 600 sq ft space in Tech near research shop

  - Lab IT Support
    - Hired Jenni Hartman
    - Developing data retention guidance for cores and technical infrastructure to meet core requirements
Continued Investment in Cores

- Expanding Capabilities
  - NUFAB expansion: 1,000 sq ft
  - QBIC: Hired Carla Rosenfeld and Rebecca Sponenberg
  - NUANCE AB Infill: 6,000 sq ft
    - Occupancy schedule mid 2019
  - Simpson Querrey Institute renovations and GMP peptide production facility: ~1,100 sq ft
    - Occupancy 2nd half 2109
Continued Investment in Cores

- **Nucore:**
  - All OR cores are now in NUcore!
  - Continuing to invest in features at same rate
    - Select the Payment Source when Adding to an Order
    - Share Purchase Orders across Multiple Facilities
    - Filtering by Customer Name on Billing Pages
    - Reporting on “Billable” minutes on Invoices and Exports
    - Global Price Group for CBC Open Access users
    - Optional User Entry of End Times/Accessories on Forgotten Logoff’s
    - Refresh of the External Invoice format
    - Transfer Instrument “Access List” to New Products

- **CFaD**
  - Continuing to invest in development proposals that are likely to lead to new service lines that benefit multiple users

- **ReLODE**
  - Based on equipment survey, CFA is targeting $900K-$1M/yr investment in ReLODE

- **Small Equipment Grant**
  - Targeting $1M in FY2019
  - Goal to expand to $1.2-1.4M/yr by FY2023
Performance

External Measurements

- 2018 Cancer Center Review
  - 6 cores received "Exceptional" rating
  - 13 cores received “Outstanding” rating or higher
- UIC, Dartmoth, Umass and Uconn have adopted NUcore
- Kellogg course attracting outside users to learn what you know

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<tr>
<th>Kellogg Course Attendees</th>
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<tr>
<td><strong>Year</strong></td>
<td><strong>NU</strong></td>
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<td>2014</td>
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<td>2015</td>
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<tr>
<td>2018</td>
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<td><strong>Grand Total</strong></td>
<td><strong>67</strong></td>
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53% of all grant (by dollars), use core facilities!
Annual Report Changes

- Overall performance of cores has improved both in terms of revenue and scoring in annual reviews
- Would like to recognize cores that adopt best practices rather than limit awards to top 10% of cores
- CFA / FSM have agreed on new single report / request for operational support
- Scoring criteria will be posted on CFA site
- Trend is to include more data taken directly from databases and reduce time to prepare reports
- New award title:
  Core Facilities Service Excellence Award

- Award will come with recognition to individual core staff members from CFA
**CFA Deliverables for CFA**

- **Data Retention:**
  - In collaboration with Lab IT Support Core, finalize data retention guidelines and demonstrate technical solutions for different operating systems.

- **Sustainability:**
  - Predictive analytics: In collaboration with Electronic Research Administration, use information in public domain to link publications to cores and determine key words that cores need in advertising portfolio to attract users.
  - CFA web site must be replaced by Jan 2020.
  - Evaluate other mechanism to track equipment and advertise to external users.
  - Complete CFaD review.