Office of the Vice President for Research (OVPR)

2018 Fall Update with the President and Provost
In support of a top 50 public research university with a critical land-grant focus, the OVPR will provide:

- Investments, strategies, and business models
- A comprehensive grant management program
- Comprehensive training in safe, effective, ethical research practices
- Leadership in technology transfer & corporate partnerships
- Leadership and partnership to promote a diverse RSCAD environment and economic prosperity in Kansas
Key metrics for FY18

- Research expenditures: $350M
- Invention disclosures: >100 per year
- Master research agreements: >75 w/10 key partners
- Industry-funded research: $30M
- Increase % of faculty who are PIs
- Improve compliance environment
- Advance Kansas prosperity
Progress/accomplishments

• **Research expenditures** grew from $188.7M in FY2015 to $196.4M in FY2017
  – **We are on track to exceed $200M in FY19**, which places K-State in elite company of only 26 institutions ($200-299M), 6 of which are public, no medical school: LSU, Ore St., Miss. St., UCSB, UMass, UN-L.

• **Tech transfer**: $826K in new licensing revenue
Industry: MRAs and funding

• 67 active master research agreements
  – 21 new in FY18
  – GlaxoSmithKline, General Mills, Zoetis, Seaboard Foods, Topcon Positioning Systems, John Deere...

• Industry-sponsored research funding set new record in FY18: $27.8M
Extramural funding

- 25% increase in last three years
- 1,567 awards in FY18 for $161.5M
- Diversifying awards: 8 NSF CAREER awards in last 5 years, first-ever NSF NRT, 4 NSF MRIs 2017 and 2018, 7 DoD and NIH young investigator awards
- % of faculty PIs and co-PIs: 41% in FY2013 to 45% in FY2018 (1021 TTF, 400 NTTF in FY18)
- % of faculty single PIs: 27.7% to 30.3% in same period
Compliance & safety environment

• Created biosafety lab inspection program and hired IBC Program Manager
• Developed export controls compliance audit program and processes
• Hosting monthly FBI briefings
• Increased campus briefings and presentations and continued to encourage a culture of safety
Advancing the prosperity of Kansas

- **28 new jobs** created or committed in 2018; $37M current active total payroll, net 506
- **$5.7M private investment** made in facilities/startup capitalization ($55M)
- **Strategic partnerships and co-locations** w/global companies
- **APLU IEP & Innovation Award, UEDA award finalist**
Seek won a CASE silver medal in international competition for research publications in 2018
Preliminary FY2018 Award by College/Office
as of June 30, 2018

Selection

$160,945,529 100.00%

Total

$160,945,529
Biosecurity Research Institute

• High occupancy of BSL-3Ag animal and plant research spaces
• High research productivity
  – High-profile publication on Zika virus vaccine development and testing
  – Significant publications on African swine fever virus and potential routes of introduction into the U.S.
  – New vaccine licensed for Classical Swine Fever
• Increased educational activity: Ag Biosecurity graduate certificate, DHS fellowship grant supported 11 students, 5 USDA-NBAF fellows
• Refreshed website
OVPR priorities FY19

• **Continue to align** intellectual property, tech transfer, corporate engagement teams
• **Continue to provide excellent training**, proposal development, and compliance support for faculty
• **Continue to provide** best-in-class service for research proposal/contract/grant administration – eRA, Cayuse SP
• **Target growth areas** in federal, industry, private resources
• **Align facilities & administrative costs model** to support core services
• **Coordinate compliance with** Environmental Health & Safety
• **Communicate the value of K-State research to internal & external audiences** and align with other university messaging
Individual unit priorities

- **Office of Research Development (ORD)**
  - Expand role in limited submission and match-requiring proposals
  - Continue training sessions, early career faculty development (DC trip, writing clinics)

- **PreAward Services**
  - Implement recently acquired Cayuse SP eRA, progress toward fully automated eRA

- **University Research Compliance Office**
  - Develop robust post-approval monitoring program for animal care and use
  - Expand export controls compliance program
  - Perform Occupational Health and Safety gap analysis

- **Kansas State University Research Foundation (KSURF) – new version**
  - Increase number and quality of invention disclosures, grow diversity of inventors
  - Integrate tech transfer, research-based corporate engagement/partnerships, economic development, and strategic initiatives to advance K-State and the region.

- **Biosecurity Research Institute**
  - Develop a 10-year strategic plan and a budget model to ensure the long-term ("post-NBAF") sustainability of the BRI, including facilities upgrades to maintain safety and security.