



# Office of the Vice President for Research (OVPR)

2018 Fall Update with the President and Provost

**K-STATE**  
**2025**

**KANSAS STATE**  
UNIVERSITY

# Vision for the OVPR

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

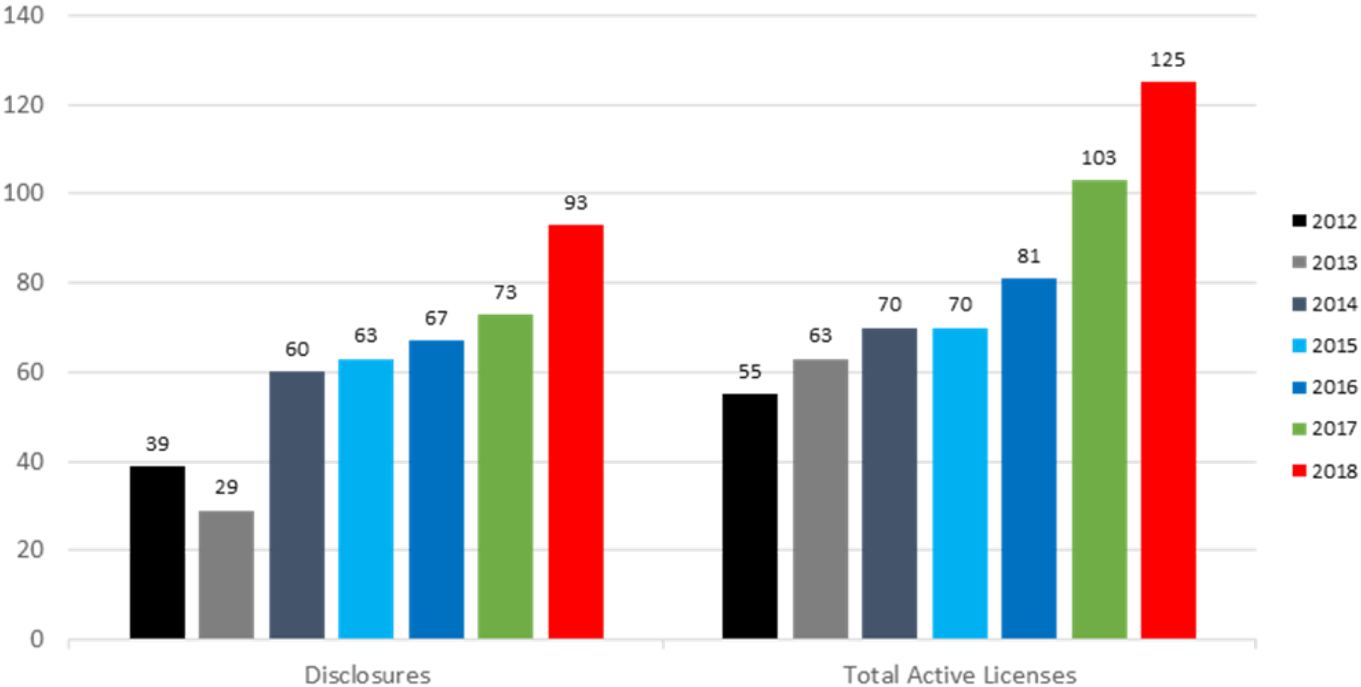
- Research expenditures: \$350M
- Invention disclosures: >100 per year
- Master research agreements:  
>75 w/10 key partners
- Industry-funded research: \$30M
- ✓ Increase % of faculty who are PIs
- ✓ Improve compliance environment
- ✓ Advance Kansas prosperity



# Progress/accomplishments

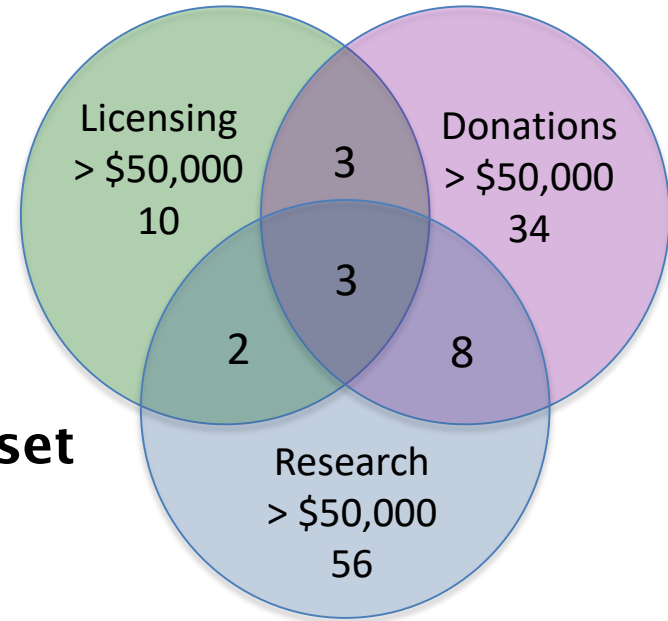
- **Research expenditures** grew from \$188.7M in FY2015 to \$196.4M in FY2017
  - **We are on track to exceed \$200M in FY19**, which places K-State in elite company of only 26 institutions (\$200-299M), 6 of which are public, no medical school: LSU, Ore St., Miss. St., UCSB, UMass, UN-L.
- **Tech transfer: \$826K** in new licensing revenue

# Inventions and Licensing



# Industry: MRAs and funding

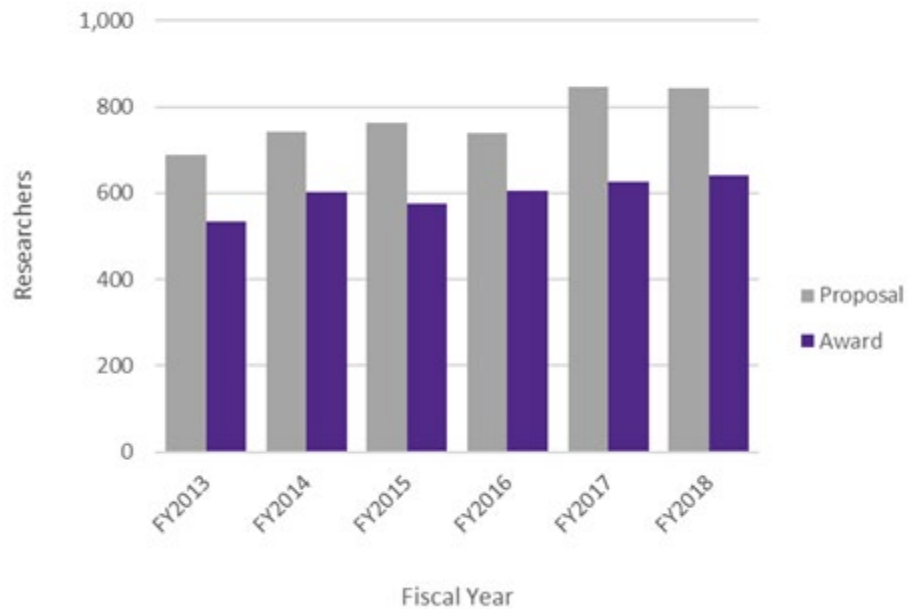
- **67 active master research agreements**
  - 21 new in FY18
  - GlaxoSmithKline, General Mills, Zoetis, Seaboard Foods, Topcon Positioning Systems, John Deere...
- **Industry-sponsored research funding set new record in FY18: \$27.8M**



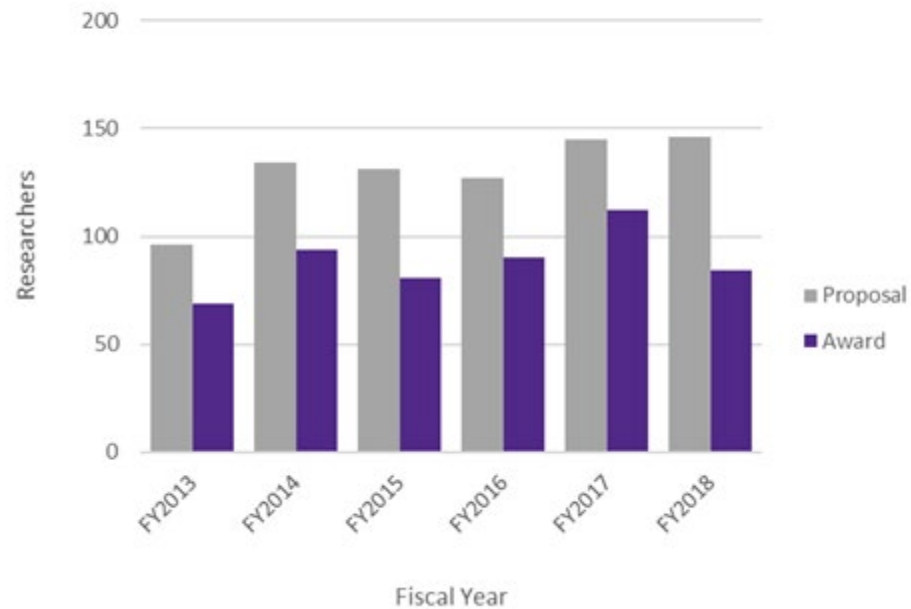
# Extramural funding

- **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

### Number of Researchers by Proposal & Award



### Initial Proposal & Award by Researchers





# 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

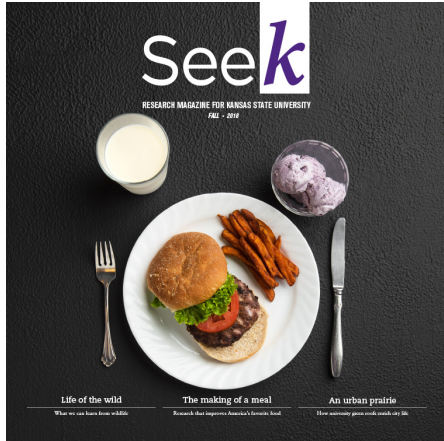




# Communication



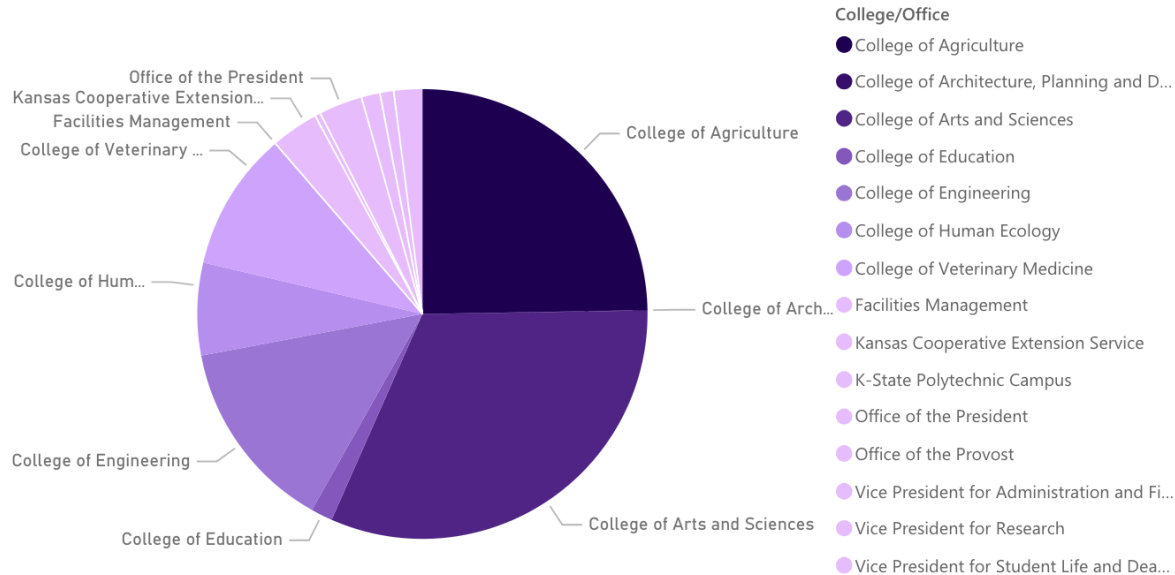
**RESEARCH WEEKLY**  
Resources for research, scholarly, and creative activity at K-State



*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**
  - **First U.S. studies** of Japanese encephalitis virus in swine, Rift Valley fever virus in North American wildlife, and Usutu virus in North American mosquitoes
  - **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.