



# Office of the Vice President for Research

## 2011-2021 Outcomes and Progress Report

### 2021 Fall Update with the President and Provost

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

**KANSAS STATE**  
UNIVERSITY

# Positive impacts of K-State 2025

**RSCAD** emphasis has resulted in faculty across campus being interested in seeking sponsored projects, including:

- More interest in training
- Broader participation in the sponsored research enterprise
- Increased proposals, awards and other activities, especially by early career faculty

**Increased coordination with the Graduate School due to Graduate Scholarly Experience** emphasis

- Jointly conducted information and training sessions

**Development of an institutional *Economic Prosperity Plan* combining RSCAD with engagement, extension, outreach and service**

- Builds on our 2017 *APLU Innovation and Economic Prosperity Designation*

# Progress/accomplishments

**Research expenditures** grew from \$169M in FY 2011 to \$213.9M in FY 2020, down slightly from \$218.6M in FY 2019

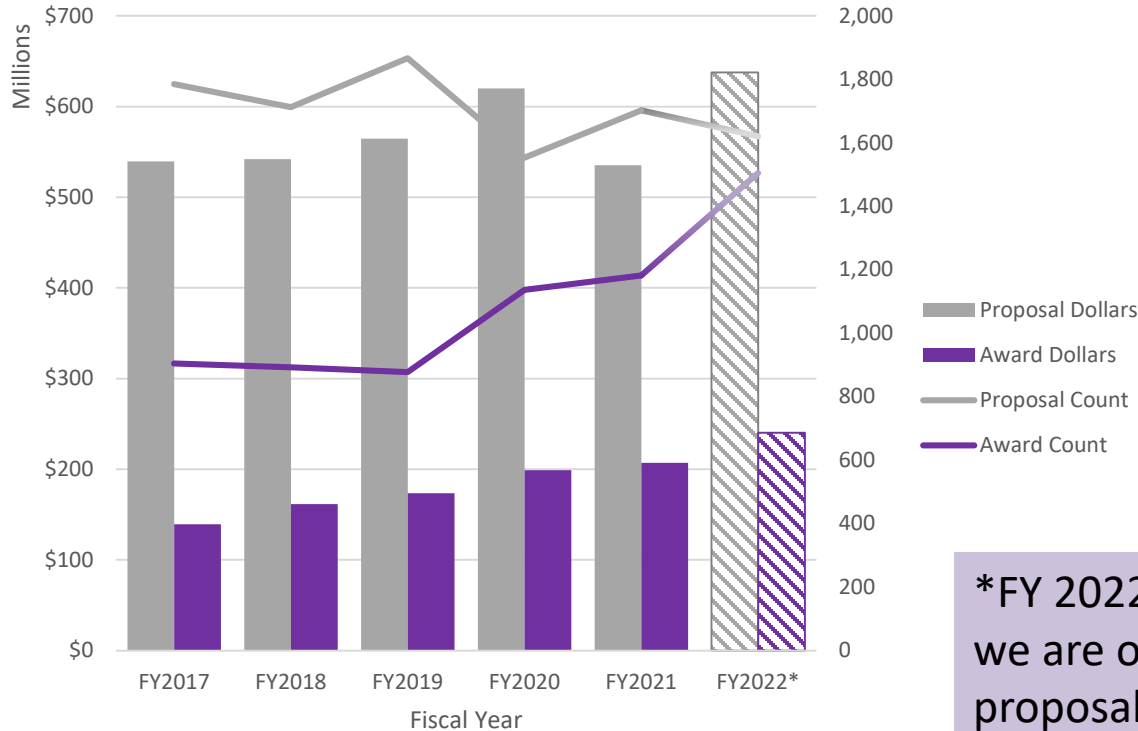
- **We are on track to exceed \$240M in FY 2021**, which places K-State in the elite company of only 26 institutions (\$205-302M), only 6 of which are public with no medical school

**Extramural funding: 1182 awards in FY 2021 for \$206.9M**

**Prestigious awards in diverse fields:**

- 19 NSF CAREER awards 2011-2021, first-ever NSF NRT, 12 NSF MRIs 2011-2021, 9 DoD, DoE and NIH young investigator awards
- USAID Feed the Future Labs renewed (4 at K-State, leads the nation)
- USDA \$10M Sustainable Ag Systems award
- Konza LTER and JR Macdonald Lab awards renewed (more than \$20M)

## Proposals & Awards - Count and Dollars



Award count and dollars continue to increase

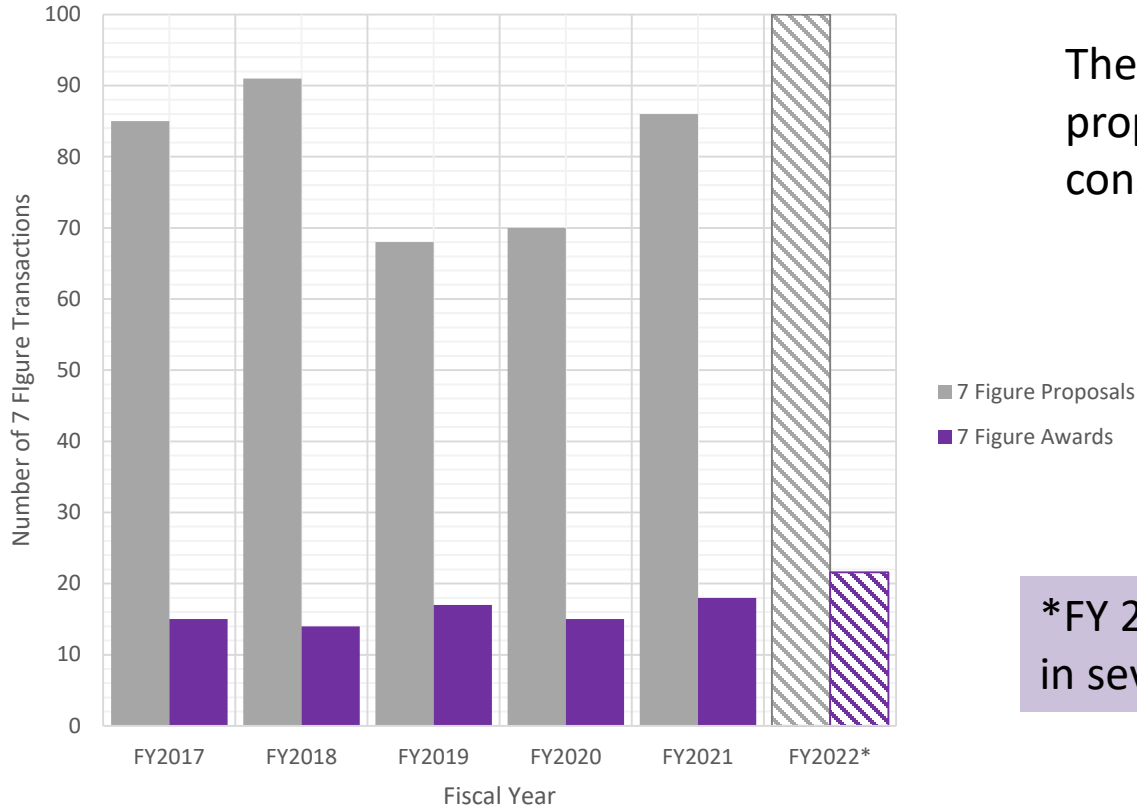
FY 2011 values:

- \$124.6M/955 awards
- \$223.8M/1379 proposals

- ✓ More proposals
- ✓ Greater success (awards)
- ✓ Service meeting the challenge

\*FY 2022: Projections for FY 2022 indicate we are on pace for records in award count, proposal dollars and award dollars

## Seven-figure Proposals and Awards > \$1M



The number of seven-figure proposals has increased for three consecutive fiscal years

\*FY 2022: On pace for a record year in seven-figure proposals and awards

# Progress/accomplishments

**Implementation of major business process improvements and systems development to facilitate all aspects of research administration**

- **Cayuse SP:** Proposals and awards electronic repository and system
- **IRB Manager:** Electronic research compliance system
- **CITI** online compliance training system
- **RADAR:** Research and Discovery Activity Reporting
- **RISE:** Research Information Secure Enclave, Controlled Unclassified Information (CUI) and other sensitive research

# Progress/accomplishments

## **Comprehensive approach to research compliance to address ever-increasing requirements**

- Dedicated export controls staff member hired
- Select Agent Program enhanced and refined allowing the BRI to be the first non-federal facility to work on African Swine Fever Virus and other agents
- Agreement between BRI and the K-State Veterinary Diagnostic Lab to obtain National Animal Health Laboratory Network Tier 1 Laboratory status, allowing KVDL to pivot rapidly to SARS-CoV-2 test processing in 2020
- Coordination with other campus units to develop Public Health Service Federal Conflict of Interest (COI) training and reporting and European Union (EU) General Data Protection Regulations privacy notice

# Progress/accomplishments

## **Total new corporate sponsored research in FY 2021:**

159 projects totaling \$8.5M; 89 current industry master agreements (4 in FY 2011)

\$470K in new licensing revenue

- FY21 total = \$3.7M, five-year total = \$15.9M

22 license agreements in FY21, 3 address COVID-19 directly

- Five-year total = 134 agreements

124 new jobs created or committed in 2020; \$34.4M current payroll

- 687 jobs and 23 companies attracted to the region since 2011

\$10M in private investments made in facilities/startup capitalization

- \$57M total since 2011

**Strategic partnerships advanced:** Elanco Animal Health, John Deere, Topcon Agriculture, Ceva, Compass Minerals



# Progress/accomplishments

- More than 40 different pathogens studied at the **BRI**
- Nearly 600 people trained for high-containment work
- Funding and agreements signed related to training for **NBAF**
- More than \$151M of funding related to **BRI** activities
- More than 18 projects and 12 related peer-reviewed publications related to **SARS-CoV-2** since 2020
- More than **29K COVID tests** conducted at the BRI (by VDL staff) for the local community and others

# Key metrics

**Research expenditures: total \$\$ and HERD ranking**

**Award numbers and \$\$**

**Number of invention disclosures**

**National AUTM ranking metrics**

- License/options per 100 disclosures
- Total licensing revenue
- License revenue per active license

# Top priorities moving forward: Compliance

- Research Security and Integrity Working Group tasks to be completed and implemented
- Achieve DoD Cybersecurity Maturity Model Certification (CMMC) Rank Level 3 and continue to be a leader in the secure and sensitive research security field
- Work with Conflict of Interest policy committee to modernize Conflict of Interest and Conflict of Time Commitment processes, resulting in compliance with state and federal regulations and a modern, efficient process for employees
- Continue to facilitate all research activities in an efficient manner with a focus on customer service while maintaining compliance mandates

# Top priorities moving forward: Economic development

- Advance strategic private sector partnerships that produce **quantifiable economic development activity** for K-State
- Collaborate with K-State's economic growth partners to advance community and economic prosperity plan
- Focus on cross-campus collaboration to continue to drive innovation generation
- Deliver educational opportunities and tools for faculty with interest in working with industry

# Top priorities moving forward: BRI

- Enable more researchers to conduct projects at the **BRI**
- Increase the number of funded projects submitted at K-State that include use of the **BRI**
- Solidify agreements with USDA to build on our relationship with **NBAF**
- Work with K-State leadership to develop a five-year and 10-year strategic plan and a committed budget to ensure the long-term future of the **BRI**

# Closing thoughts

## Vice President for Research

**RESEARCH:** research operations, research growth/strategy, research opportunities and team building, research advocacy and promotion, state and federal relations

**ECONOMIC DEVELOPMENT:** K-State's Economic Prosperity Plan, corporate engagement and partnership development, MHK/K-State innovation ecosystem, state/federal/city relations

## Office of the Vice President for Research

A team of talented professionals dedicated to advancing the research mission of Kansas State University, supporting and enabling faculty success, ensuring compliance and effectiveness, and modeling professionalism.

**WE WILL** provide concierge-level service that enables faculty and researcher success.

**WE WILL** seek efficiencies, lower barriers to success, and remove burdens on investigators.

**WE WILL** be national leaders within our specialties in research administration.

**WE WILL** communicate the value of K-State research to internal and external constituents.

**WE WILL** be an exemplar office on campus for efficiency, effectiveness, integrity, and professionalism.

# STATE OF POSSIBILITY

## ECONOMIC PROSPERITY

As the country's first operational land-grant institution, K-State has always focused on advancing economic growth for the state. Extending that history into the future, the university has embarked on a bold new initiative to leverage 150-plus years of practical excellence to create thousands of new jobs and capture billions of dollars in new outside investment for Kansas.

Food and Agriculture  
Systems Innovation

Digital Agriculture and  
Advanced Analytics

Biosecurity and Biodefense

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