

**Excellence at Scale**  
*Over 150 Years of Pursuing Innovation*





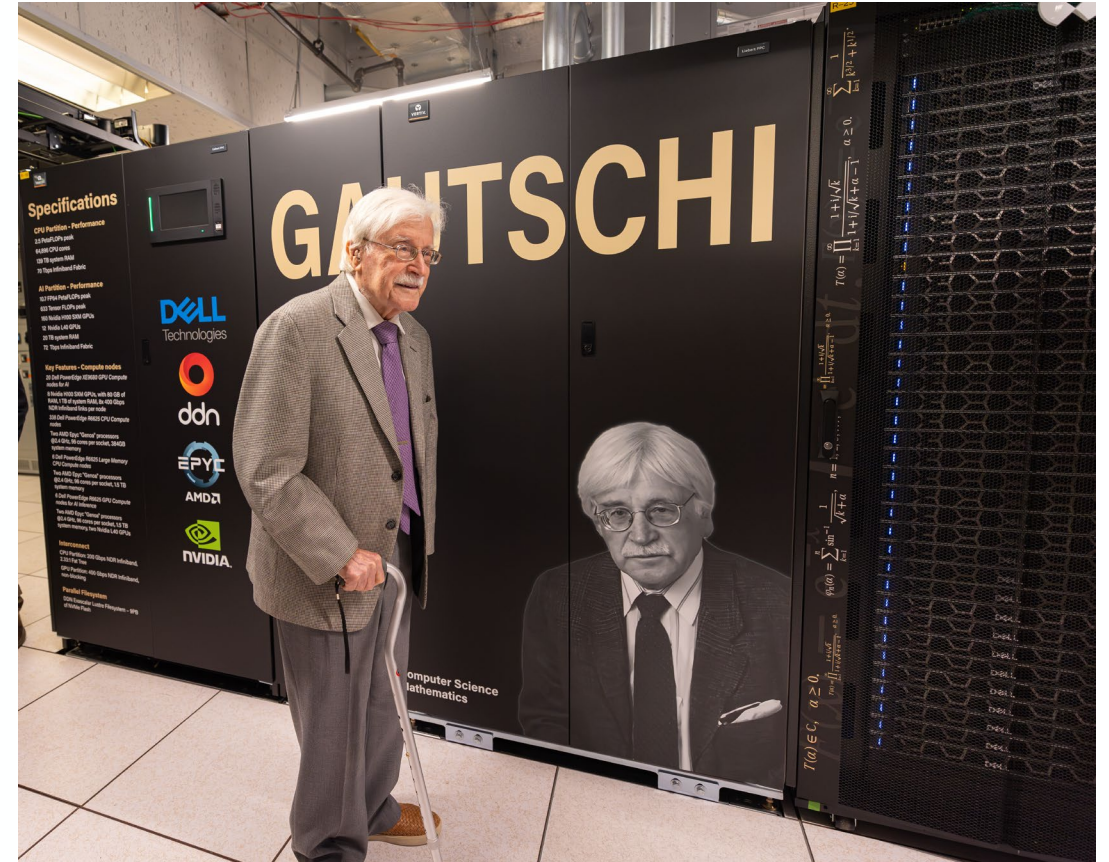
# *We are here to help you succeed in your scholarship*

- Submit Proposals (new PERA System)
- Help with Grant Opportunities
- Find Colleagues
- Get involved with Purdue's initiatives
- Work with Industry
- Communicate your work to an external audience
- Introduce you to federal agencies
- Ensure your work complies with federal guidelines
- Reward your success



# *New Investments in Research*

- 25% increase in staffing for SPS
- Computing Infrastructure – Gautschi AI - \$6M
- Purdue Excellence in Research Administration - \$10M
- Investment in research awards above \$5M
  - \$350K/year
- SPARK program investments
  - \$800K - \$1,000,000/year
- NIH programs
  - \$500K/year
- Books and reviews articles
  - \$250K/year
- Life Sciences Research Building (pending - \$160M))



# Behind the scenes – research portfolio

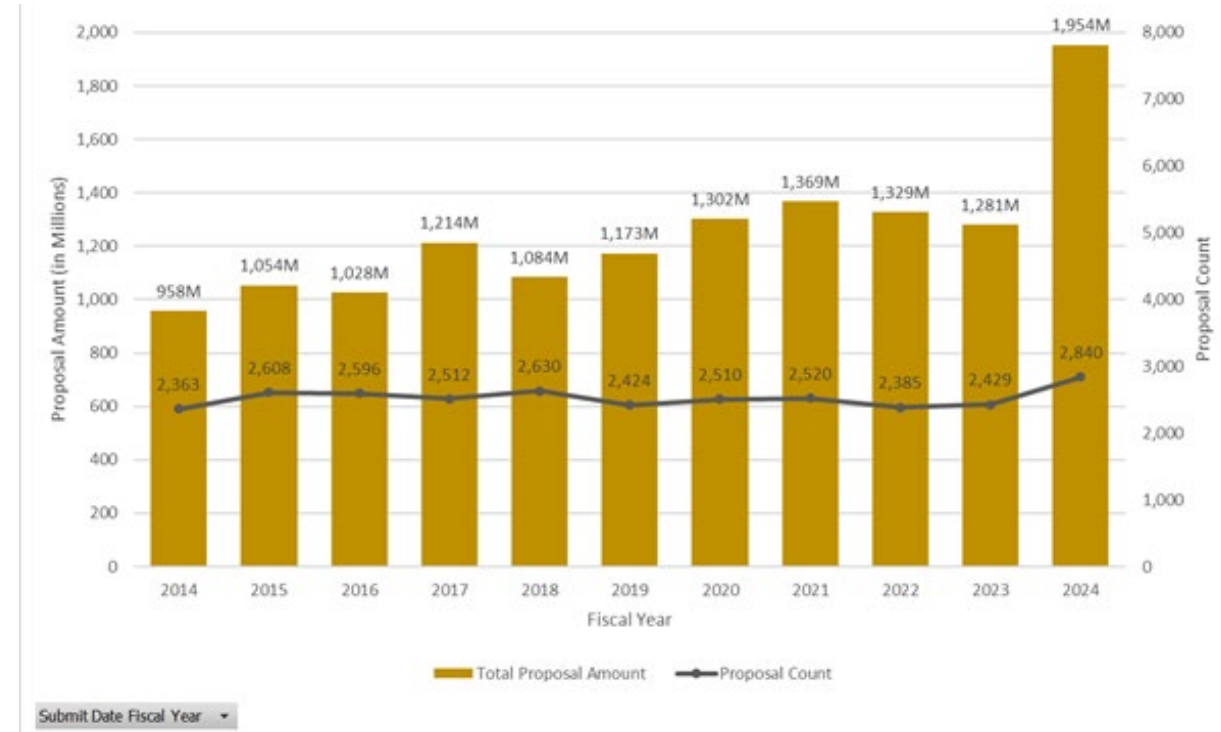
## ■ Proposal Submissions - 2023 to 2024 YTD

- Number of proposals increased by 17% from 2,429 to 2,840
- Dollars increased 53% from \$1.28B to 1.95B requested
- 42 proposals greater than \$5M were submitted totaling \$709M

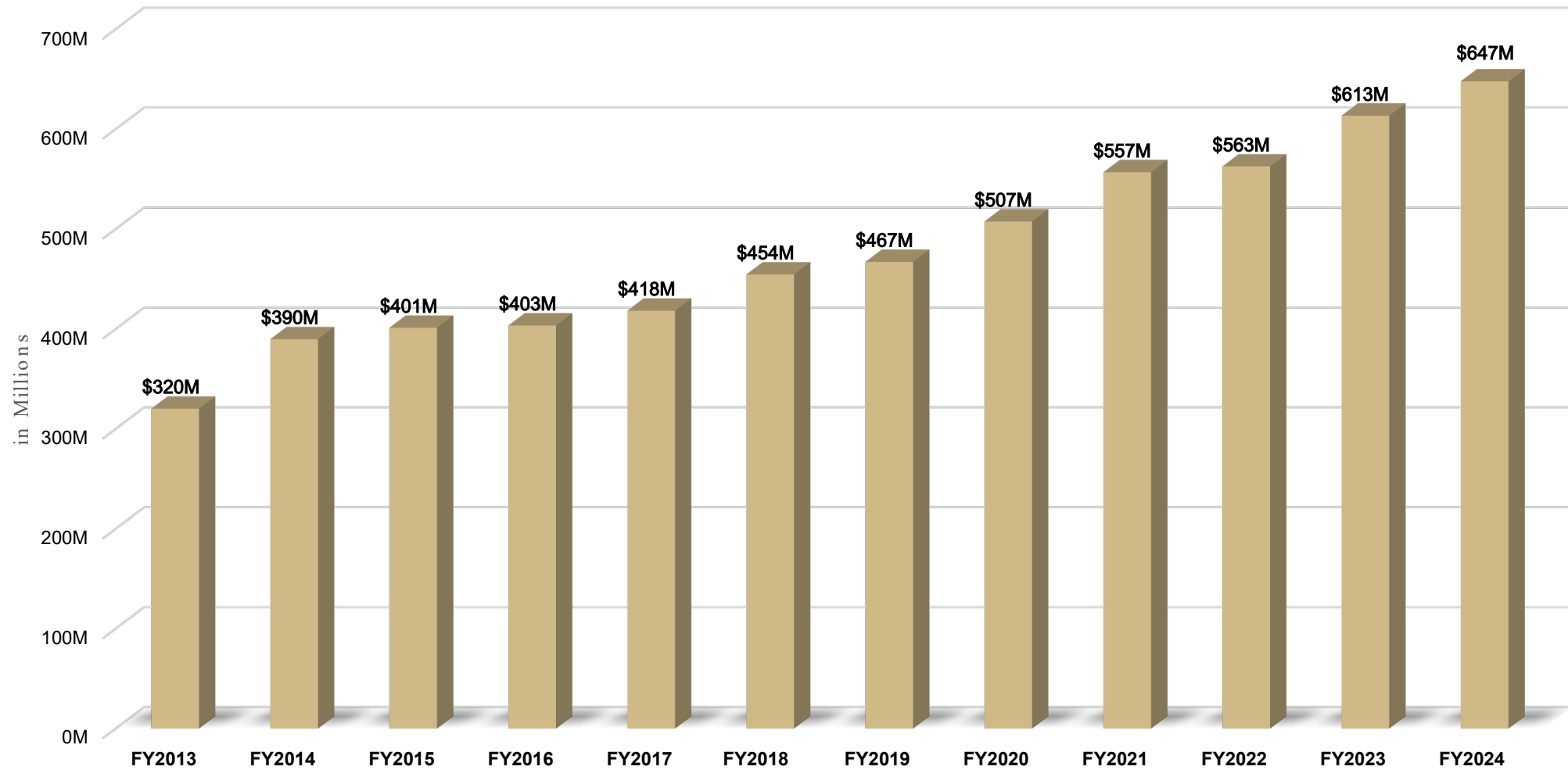
## ■ Total Active Research Portfolio - \$3.1B

- increase of 39% over the last 5 years

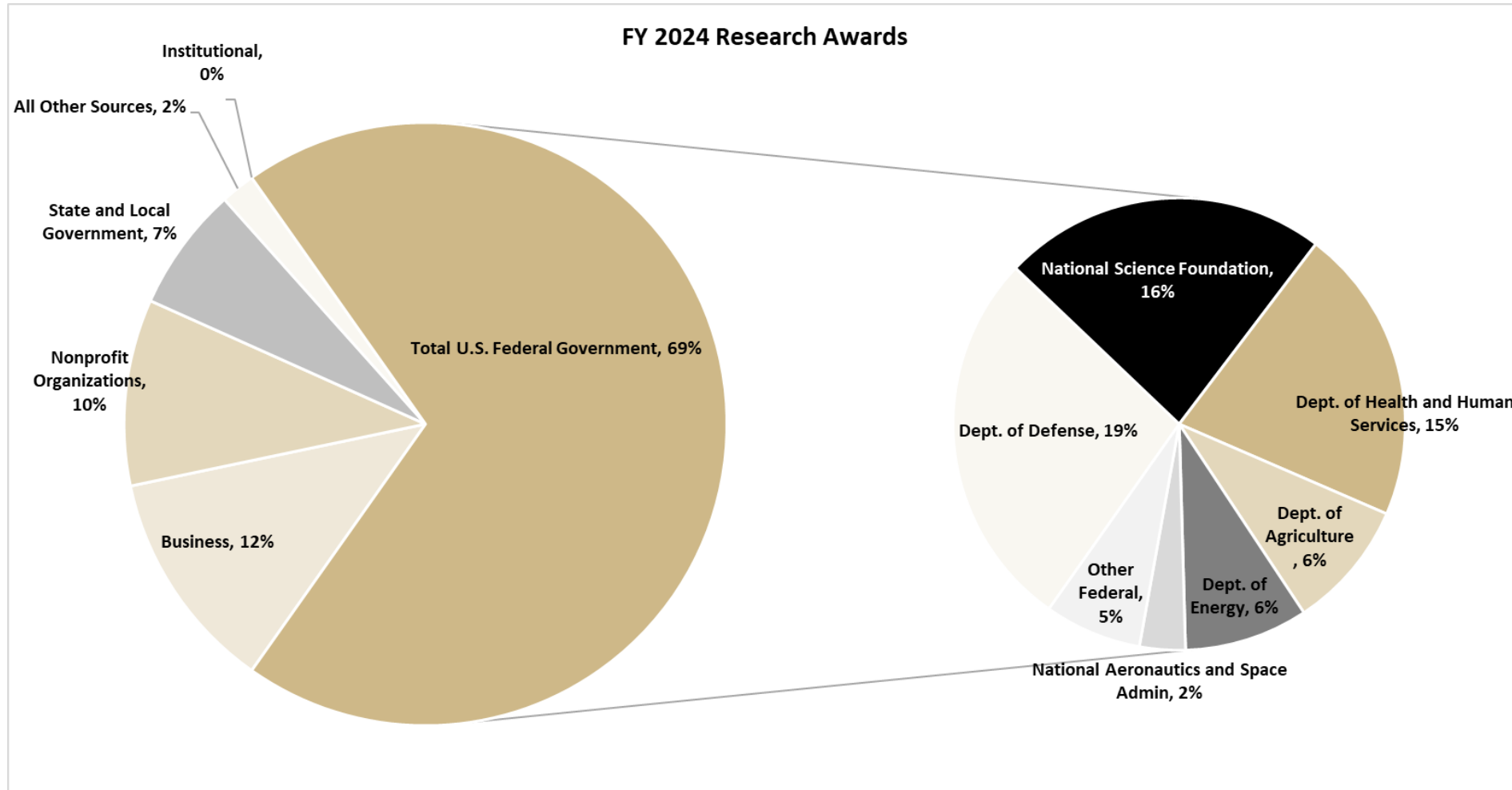
### Proposals Submitted



# *Record research awards: \$647M in FY2024*



# *Purdue has a diversified funding portfolio*





# Purdue Research: great industry partnerships

Productivity of Master Agreements 2012-23: \$184+ million



# *Behind the scenes – federal compliance*

- **Fiscal Year 2023**
- 2777 Executed Agreements
  - Industrial, Non-disclosure agreements, sub-contracts, material transfer, data use agreement
- 646 Institutional Animal Care and Use Committee reviews
- 3826 Institutional Review Board (Human Subject) Reviews
- 872 Conflict of Interest Reviews
- 360 Export Control Reviews
  - 120 Technology Control Plans (3X increase over two years)

## **New Requirements - National Security Presidential Memorandum-33 (NSPM-33) & CHIPS and Science Act**

- Creating a paradigm shift in research administration for any university receiving federal funding
- Disclose foreign engagements and mitigating risks
- Key Elements of NSPM-33
  - Cybersecurity Training and Processes
  - Foreign Travel Security
  - Export Control Training
  - Research Security Training
  - International Engagement Reviews
  - New federal uniform disclosure requirements
  - Risk management plans for fundamental research
  - Visiting Scholar Reviews
  - Outreach and training



# National and Economic Security: Providing a safe and secure livelihood for all



Advancing Life and Health Sciences



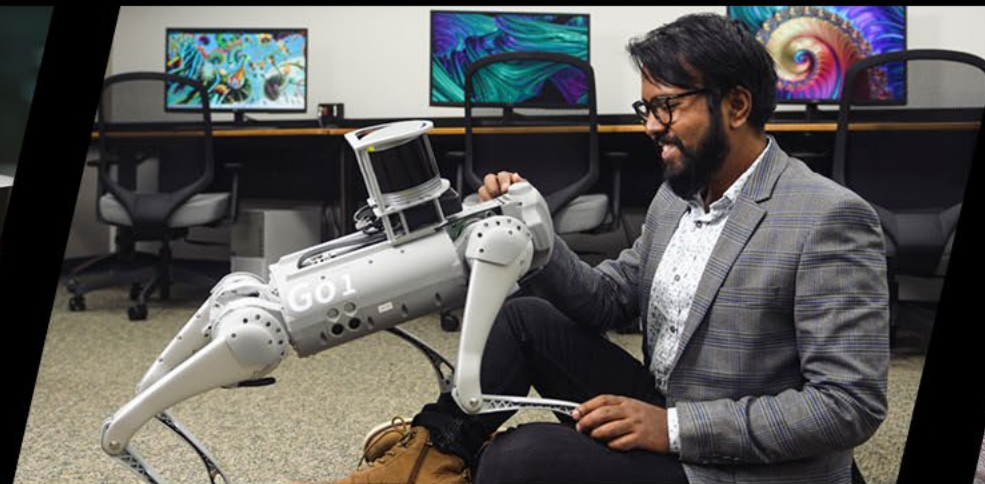
Providing National Security and Defense



Saving Energy and Protecting the Environment



Modernizing our Infrastructure



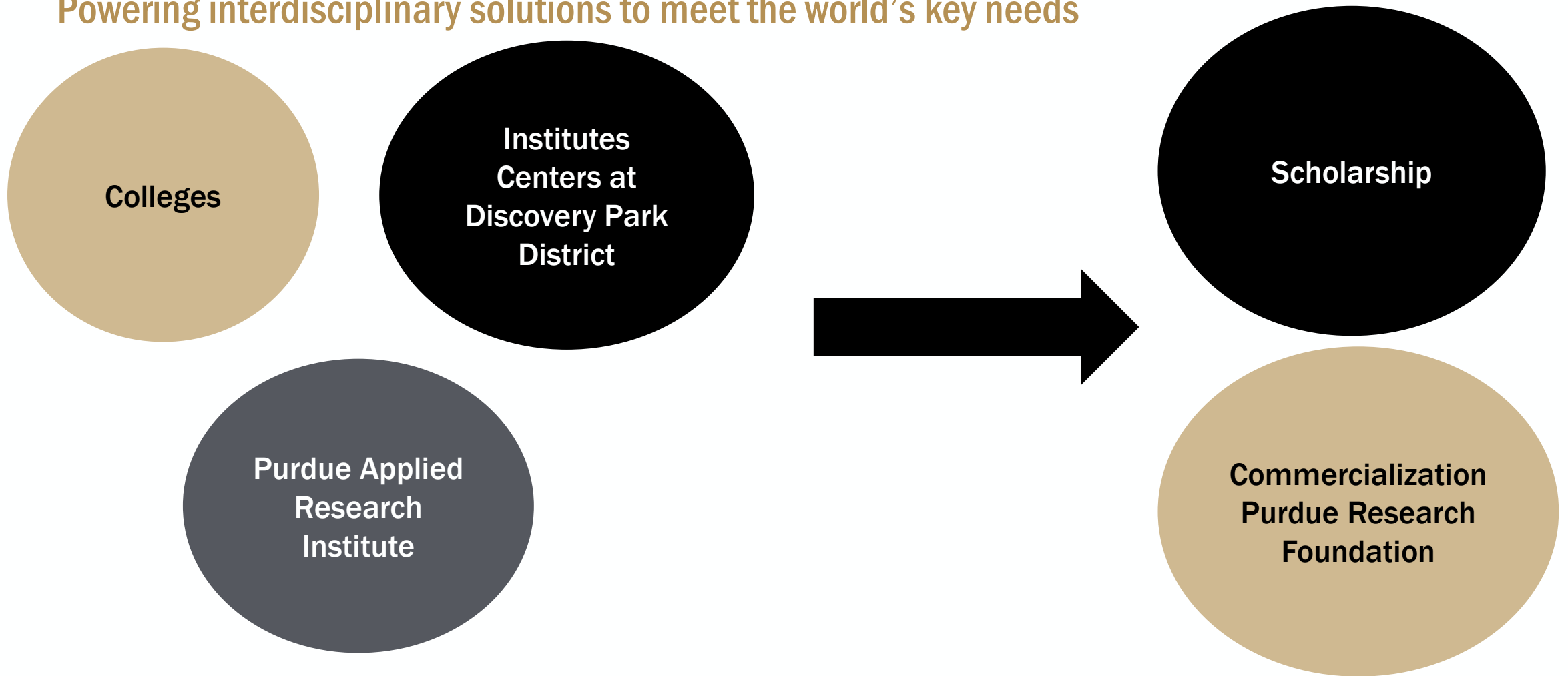
Ensuring Economic Prosperity through  
Data Science and AI



Feeding the World

# *Purdue's Unique Innovation Ecosystem*

Powering interdisciplinary solutions to meet the world's key needs





# PURDUE Students, Staff, Faculty

“Enabling our people to achieve breakthroughs and drive innovations in support of solving the world’s most critical problems”



## Discovery Park District (DPD) Institutes and Centers

### Institutes and Centers

- 1 Center for Education and Research in Information Assurance and Security
- 2 Birck Nanotechnology
- 3 Policy Research Institute
- 4 Network for Computational Nanotechnology
- 5 Institute for National Security
- 6 Institute for a Sustainable Future
- 7 Center for Science of Information
- 8 Center for Global Food Security
- 9 Quantum Science and Engineering Institute

### Health/Life Sciences Cluster

- 1 Bindley Bioscience Center
- 2 Institute for Drug Discovery
- 3 Institute for Cancer Research
- 4 Institute for Inflammation, Immunology, and Infectious Disease
- 5 Institute for Integrative Neuroscience
- 6 William D. Young Institute for Advanced Pharmaceutical Manufacturing
- 7 Lilly Purdue Research Center

### Affiliated Entities

- 1 Joint Transportation Research Program
- 2 Center for Innovative and Strategic Transformation of Alkane Resources
- 3 Emergent Mechanisms in Biology of Robustness Integration and Organization Institute
- 4 Women's Global Health Institute
- 5 Scalable Asymmetric Lifecycle Engagement
- 6 Natural Hazards Engineering Research Infrastructure
- 7 Digital Enterprise Center
- 8 Center on AI for Digital, Autonomous, and Augmented Aviation
- 9 Clinical and Translational Sciences Institute

1 2 3 4 5

6 7 8 9 1

2 3 4 5 6

7 1 2 3 4

5 6 7 8 9

- World-Class R&D Facilities
- Vertically-integrated design for system of system capability
- Marrying virtual with physical, digital twins, and AI as enablers
- Co-locating academia, industry, and national labs

OVER  
**1000**  
Engaged  
Faculty

Translating Innovation  
with DPD Industry  
Partners

**\$177M**

Collaborative Research  
Expenditures  
in FY 2023





# *Purdue Applied Research Institute (PARI) opens new partnership possibilities*

An agile platform to scale applied research

PARI is Purdue's nonprofit applied research arm that launched in July 2021

- Hypersonics Lab
- Microelectronics Lab
- Energetics Lab
- Global Development and Innovation Lab
- Infrastructure Lab



HYPULSE shock tunnel at the Purdue Hypersonics and Applied Research Facility



# *Driving towards excellence*

- New AI tools for researchers
  - Scite.ai, iThenticate 2.0, Proof-fig, Rohan
- Celebrating faculty excellence
  - Aday, McCoy, Bement Awards, \$1M Acorn Award
  - Faculty Enhanced Research Appointment Program
- Incentivizing books and review papers
- SPARK Program for large proposals
- New NIH and training grant support
- Equipment program
- Research Speaker Training Platform



[About the Office of Research - Office of Research \(purdue.edu\)](http://purdue.edu)

# Access to PERA System

Open Office Hours and virtual meetings are available to assist you with PERA. Visit [PERA Help](#) to view days, times, and locations.

## Website Landing Page

<https://pera.research.purdue.edu/>

### Grants Module

Utilize to create, edit, and submit a proposal. Access award documents and information, including Just-In-Time.

LOGIN →

### Agreements Module

Initiate, edit, and track funded or unfunded sponsored agreements and contracts.

LOGIN →

### IACUC Module

(Institutional Animal Care and Use Committee) Create a protocol for the use of animals in research and submit to the IACUC for review.

LOGIN →

### Research Account Dashboard

Access your current portfolio of grants and faculty allocation accounts, including total budget, expenditures, commitments and available balances.

LOGIN →

### Safety-IBC Module

**Coming February 2026;** will allow researchers to create a protocol for the use of biohazardous materials in research and submit to the Institutional Biosafety Committee for review.

### IRB Module

**Coming in Winter, 2026.** Continue to use Cayuse until further notice.

### Export Control Module

Coming in Summer, 2026

### Conflict of Interest / Conflict of Commitment Module

Coming in Fall, 2026



# PERA Training Resources

## PERA training website

Resources are organized according to the Research and Compliance Lifecycle, shown below.



Research and Compliance Lifecycle at Purdue University.





## Additional Questions?

### PERA Support:

- Email: [perahelp@purdue.edu](mailto:perahelp@purdue.edu)
- Call: 765-494-6555
- Submit Support Tickets

### Assistance by Area

- Pre-Award Bookings
- IACUC Bookings

[https://pera.research.purdue.edu/  
help/](https://pera.research.purdue.edu/help/)

[perahelp@purdue.edu](mailto:perahelp@purdue.edu)



# *Some key individuals who can help you*



**Karen Plaut**  
EVP, Research

[kplaut@purdue.edu](mailto:kplaut@purdue.edu)



**Dan Delaurentis**  
Institutes & Centers at  
Discovery Park District

[ddelaure@purdue.edu](mailto:ddelaure@purdue.edu)



**Jamie Mohler**  
Research Compliance, Integrity &  
Security

[jfmohler@purdue.edu](mailto:jfmohler@purdue.edu)



**Ken Sandel**  
Sponsored Program Services

[sandel@purdue.edu](mailto:sandel@purdue.edu)



**Preeti Sivasankar**  
Strategic Interdisciplinary  
Research

[preeti@purdue.edu](mailto:preeti@purdue.edu)



**Joey Wallace**  
Purdue in Indianapolis

[jwalla78@purdue.edu](mailto:jwalla78@purdue.edu)

[www.purdue.edu/research/oevprp](http://www.purdue.edu/research/oevprp)