Board of Trustees Meeting

June 6, 2025



January 2025

Principal Investigator and Department	Sponsor	Grant Title	Total Project Award Amount
Jie Chen College of Engineering – Mechanical Engineering		Dose Analysis for Translating Animal Based Vibrational Force Study for Accelerating Orthodontic Tooth Movement to Clinic	\$1,320,505.00
Senay Purzer College of Engineering – Engineering Education		Socially Transformative Engineering Pedagogy (STEP) for a Sustainable Future	\$2,586,924.00
Gregory Scofield PARI Hypersonics Lab – Hypersonics Advanced Manufacturing Technology Center		Novel Testing Methods for Measuring Critical Gas Phase Interactions in Hypersonic Ground Test	\$1,200,000.00
Michelle Thompson College of Science – Earth, Atmospheric, and Planetary Sciences	National Aeronautics and Space Administration	Purdue Resources Empowering Coordinated Investigations for Sample Exploration (PRECISE)	\$5,220,382.00



February 2025

Principal Investigator and Department	Sponsor	Grant Title	Total Project Award Amount
Arnab Banerjee College of Science – Physics and Astronomy	W.M. Keck Foundation	Uncovering Elusive Kitaev Topological States with Metasurfaces	\$1,200,000.00
Eduardo Barocio Vaca College of Engineering – Composite Manufacturing and Simulation Center	U.S. Department of Energy	Additive Manufacturing of Modular Tool Designs for Large-Scale Wind Blade Manufacturing	\$1,999,578.00
Antonio Bianchi College of Science – Computer Science	Defense Advanced Research Projects Agency	FLARE: A Multi-layered Approach to Exploit-chain Generation	\$2,269,537.00
Rajamani Gounder College of Engineering – Chemical Engineering	Susteon Inc. / Advanced Research Projects Agency – Energy	ECHO-SAF: Electrified CO2 Hydrogenation to Olefins for Sustainable Aviation Fuel	\$1,750,000.00
Michael Langemeier College of Agriculture – Agricultural Economics	Chicago Mercantile Exchange	CME Group farm Economy Barometer Project	\$4,044,703.00
Andrew Mesecar College of Agriculture – Biochemistry	Indiana University / Public Health Service- National Institutes of Health-National Institute on Aging	IUSM TREAT-AD Center	\$4,275,877.00
Partha Mukherjee College of Engineering – Mechanical Engineering	U.S. Department of Energy	MonaLiSa: Mechanistic Modeling and Analytics of Li-S Batteries	\$1,752,714.00
R. Byron Pipes College of Engineering – Composite Manufacturing and Simulation Center	Institute for Advanced Composites Manufacturing Innovation / U.S. Department of Energy	IACMI 2.0 - Total	\$4,100,000.00



February 2025

Principal Investigator and Department	Sponsor	Grant Title	Total Project Award Amount
Senay Simsek College of Agriculture – Food Science	Riley Children's Foundation	Heartland Children's Nutrition Collaborative	\$1,250,000.00
Zhong-Yin Zhang College of Pharmacy – Medicinal Chemistry and Molecular Pharmacology	Public Health Service-National Institutes of Health-National Cancer Institute	Primary Screening and Hit Follow Up to Identify the First Selective Inhibitors of PLC?1 and PLC?2	\$1,507,558.00
Fu Zhao College of Engineering – Environmental and Ecological Engineering	U.S. Department of Energy	Integrated Technoeconomic, Lifecycle, and Circularity Analyses Tool for EV Batteries	\$1,631,000.00



March 2025

Principal Investigator and Department	Sponsor	Grant Title	Total Project Award Amount
Daniel DeLaurentis Centers & Institutes	Stevens Institute of Technology / U.S. Department of Defense	DCTC WRT-1098- Research in support of the Defense Civilian Training Corps (DCTC) Program Development, Piloting, and Instrumentation	\$999,082.00
Catherine Hill College of Agriculture – Entomology	Gates Foundation	NECTAR Pillar 2: Toolkit for Natural Products Focused Screening on the African Pharmacopeia	\$1,690,247.00
Guillermo Paniagua-Perez College of Engineering – Mechanical Engineering	Universidad Politecnica de Madrid / European Research Council	Discovering Flow Control in Turbine Diffusing Passages-DIFFUSE	\$3,904,372.00
Tom Shih College of Engineering – Aeronautical and Astronautical Engineering	Ames Laboratory / U.S. Department of Energy	Thermal Management of Advanced Gas Turbines with Zero-to-Near-Zero CO2 Emission	\$1,200,000.00
Steven Son College of Engineering – Mechanical Engineering	Defense Advanced Research Projects Agency	Solid Propellant Liquid Infusion Technology (SPLIT) concept demonstration.	\$999,999.00
Zhong-Yin Zhang College of Pharmacy – Medicinal Chemistry and Molecular Pharmacology	Public Health Service-National Institutes of Health-National Cancer Institute	Structure/Function of Protein Tyrosine Phosphatases	\$1,765,823.00



April 2025

Principal Investigator and Department	Sponsor	Grant Title	Total Project Award Amount
Emily Dykhuizen College of Pharmacy – Medicinal Chemistry and Molecular Pharmacology	Public Health Service-National Institutes of Health-National Cancer Institute	Development of Inhibitors to Selectively Target the CBX8 Chromatin Reader Domain	\$2,145,615.00
Shelley MacDermid Wadsworth College of Health and Human Sciences – Human Development and Family Science	Henry M. Jackson Foundation for the Advancement of Military Medicine / Uniformed Services University of The Health Sciences	Extending the Reach of SBHP, FY 25, Y6 (NGB)	\$1,394,486.00
Jose Enrique Pietri Cotty College of Agriculture – Entomology	Public Health Service-National Institutes of Health-National Institute of Allergy and Infectious Disease	Biological Vector Borne Transmission of Salmonella by Cockroaches	\$1,127,357.00
Karthik Sankaranarayanan College of Agriculture – Agricultural and Biological Engineering	National Science Foundation	Ideas Lab: USPRD:Programmable Small Molecule Biosynthesis	\$7,199,398.00



May 2025

Principal Investigator and Department	Sponsor	Grant Title	Total Project Award Amount
Xiaoping Bao College of Engineering – Chemical Engineering	Public Health Service-National Institutes of Health-National Cancer Institute	CAR Neutrophils Produced in Vivo to Remodel Tumor Microenvironment and Treat Glioblastoma	\$3,211,159.00
Luciano Castillo College of Engineering – Mechanical Engineering	Office of Naval Research	ONR Blue Integrated Partnership (BIP 2.0): A Consortium for Mentoring a Vibrant STEM Workforce Ready to Solve Tomorrow's Grand Challenges	\$9,892,031.00
Qingfei Zheng College of Pharmacy – Medicinal Chemistry and Molecular Pharmacology	Public Health Service-National Institutes of Health-National Institute of General Medical Sciences	Development of a Chemical Biology Toolbox to Investigate Histone Monoaminylation	\$1,535,587.00



Resolutions of Appreciation

Phil and Joan Low Purdue Institute for Drug Discovery	\$20M
Greg and Amy Baker College of Pharmacy	\$20M
Sam and Marsha Allen Mitch Daniels School of Business	\$8M
Anonymous College of Health and Human Sciences	\$6M
Anonymous College of Science and College of Health and Human Sciences	\$4.4M
Anonymous Purdue Institute for Cancer Research and Intercollegiate Athletics	\$3M
Jaquish & Kenninger Foundation Purdue Military Research Institute	\$2.5M



Resolutions of Appreciation

Lennar Foundation Purdue Polytechnic Institute	\$2M
Gates Foundation College of Agriculture	\$1.6M
Riley Children's Foundation College of Agriculture	\$1.25M
Chaney Family Foundation Mitch Daniels School of Business	\$1M
Kenneth Neavel College of Science	\$1M
William and Sherry Young Davidson School of Chemical Engineering	\$1M
Rick Ralston College of Engineering	Undisclosed



Namings

- Request to name the Construction
 Management Technology Construction
 Lab the Lennar Foundation Construction
 Lab
 - Donor: Lennar Foundation

- Request to name the Open Collaboration area in the Mitch Daniels School of Business the Chaney Family Collaboration Hub
 - Donor: Chaney Family Foundation



PURDUE FOR LIFE FOUNDATION UPDATES

Board of Trustees Stated Meeting – June 6, 2025

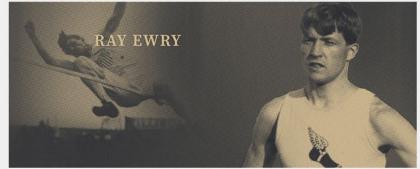














Processes to Date

- Quiet phase July 2022 January 2025
- Public phase February 2025 early 2030
- Identified top 250 campaign prospects
- Launched Campaign Planning Committee (internal)
- Launched Campaign Steering Committee on April 30 (external)
- Structured around four strategic initiatives
- Case statement and marketing materials in production for October kickoff
- Will track dollars raised and engagement (giving, volunteering, attending, communicating)



Campaign Steering Committee

Co-chairs: Vanessa Castagna, Bill Elmore, and John and Fran Edwardson

Sam and Marsha Allen

Snehal Antani

Irene and Brian Binash

Bill Bindley

Janine Black and Barry Arkles

Drew and Brittany Brees

Chris and Susan Burke

Marc Carlson and Jacque DuPont

Jim and Carol Cure

Bill Dudley

Norm and Lioubov Gilsdorf

Jason and Virginia Girzadas

Mike and Rhonda Graff

Dave and Alice Hagar

Marc and Sharon Hagle

Brenda and Mike Harris

Keith Krach

Marshall and Susan Larsen

Chris and Melinda Lister

Tim and Jane McGinley

Norm and Karyn Nabhan

Matt and Sherry Painter

Patti and Eric Poppe

Mary and Melanie Richardson

Rusty and Patti Rueff

Jen and Jim Rumsey

Bill and Carla Young

John and Lori Zehner



Activities and Events

- Regional events in Austin, Atlanta, D.C., Colorado Springs, Orange County,
 SF Bay Area, with more than 750 attendees
- Coming next to Chicago (6/12), New York City (6/21), Philadelphia (6/25), and Boston (6/27)
- October 24–25: West Lafayette campaign launch
 - First Campaign Steering Committee meeting
 - PC Event and Mackey Arena celebration
 - Victories & Heroes-themed Boilermaker Boulevard
 - Homecoming football game



Priorities

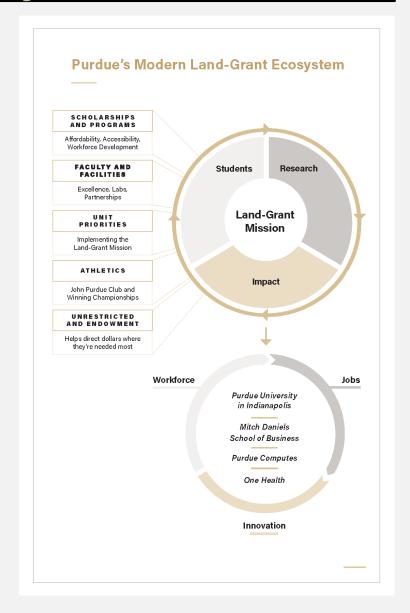
- Strategic Initiatives:
 - Purdue University in Indianapolis
 - Mitch Daniels School of Business
 - Purdue Computes
 - One Health
- Unit Priorities:
 - Intercollegiate Athletics
 - Academic colleges, schools, and departments
 - Auxiliary programs

- Usage:
 - Scholarships
 - Professorships
 - Research
 - Facilities
 - Programs
 - Unrestricted



Goals and Impact

- Galvanizing support to strengthen our land-grant mission
- Reinventing the land-grant university for the 21st century
 - Leveraging investments in students, programs, faculty, research, athletics, unit priorities, and unrestricted and endowment gifts toward our four strategic initiatives
 - Creating impact through jobs, workforce, and innovation





2025 Purdue Day of Giving

Results + Impact

- \$105,071,882 Raised
 - Two \$20M gifts
 - 20 gifts greater than \$1M
- 36,875 gifts
 - o 6,771 gifts from students
 - 2,901 first-time donors
 - Alumni in the class of 2023 gave the most gifts
- Campaign Impact
 - \$31,795 raised for Victories & Heroes: Your
 Campaign for Purdue fund



New this year, a gift from Jeannie (BS pharmacy '61) and Jim Chaney allowed two students to each earn a \$10,000 scholarship. Isabella Bartol (pictured), a sophomore nursing student, and Adeesh Mahesh Desai, a master's student in robotics, were the recipients.



FY25 Impact



Peter (EE'67) and Ann Lambertus have given \$30 million to support Purdue's College of Engineering and invest in the goal of making the college the most consequential engineering program in the country. These unrestricted funds will allow the dean to pursue strategic opportunities that will attract top talent, propel innovative research, and expand the global impact of Purdue Engineering.



Greg (P'99) and Amy Baker have launched the Center for Health Analytics and Therapeutic Intelligence in the College of Pharmacy with a \$20 million gift. The center will leverage real-world data, artificial intelligence, and advanced analytics to revolutionize the way medications are studied, evaluated, and applied—driving smarter, optimized, and more equitable therapeutic decisions for individuals and populations.



PURDUE FOR LIFE FOUNDATION

John (IE'71) and Fran Edwardson have named the Edwardson School of Industrial Engineering with their \$17.5 million gift, which will be leveraged to provide matching funds for faculty and graduate students, providing \$25 million in total impact. Their gift will provide endowments for undergraduate students, graduate fellowships, and eight new faculty professorships, as well as discretionary funding for the school's head.



Presidential Scholar for Drug Discovery and Ralph C. Corley Distinguished Professor of Chemistry Phil Low and his wife Joan have launched the Low Institute for Therapeutics. Their \$20 million gift will develop multiple drug families concurrently to bring 10 drug families patented by Dr. Low to market—dramatically decreasing the time from Phase 1 trials to commercialization. These therapeutics will improve health and save lives worldwide.

THANK YOU



One Health Investments

Life Science and
Chemistry + Research
Building



One Health Innovation
District

New Degree Programs

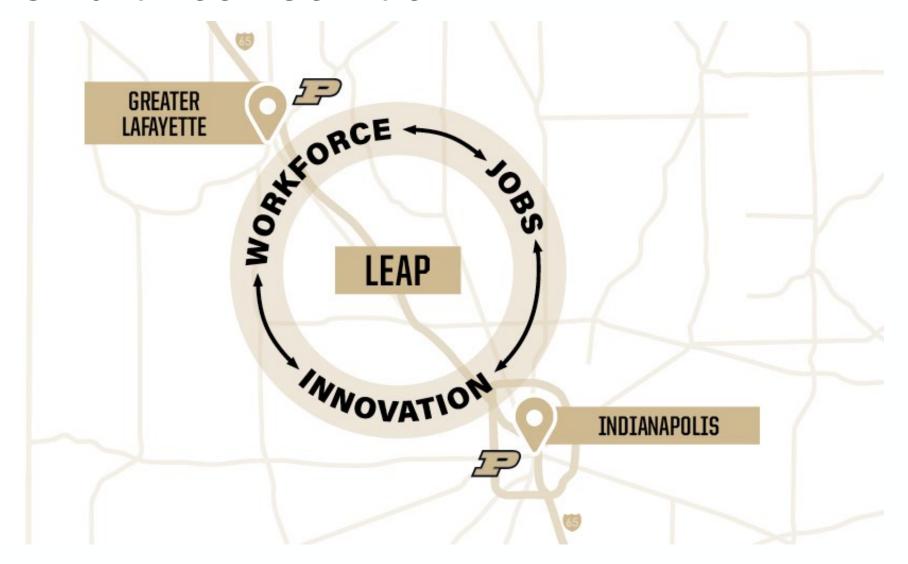
- Biomolecular design (joint across Chemistry, Computer Science and Biology)
- Dual BS/MS in advanced chemistry
- Professional master's in advanced pharmaceutical engineering (joint Chemistry and Chemical Engineering)

Strategic Faculty Recruiting in Advanced Chemistry

- Joint across Chemistry, Chemical Engineering, Biochemistry and Medical Chemistry/Molecular Pharmacology
- To advance chemical and biochemical processes that are safe, reliable and efficient
- Enable onshoring of pharmaceutical production through safe, reliable and efficient technologies



America's Hard Tech Corridor





Lilly-Purdue 360: The Largest University-Industry Partnership

From molecules to medicines to patients

\$250M 2025-32

Vision:

The Lilly/Purdue Strategic Research Alliance and the Lilly Scholars program at Purdue are **national exemplars** of the power and impact of collaboration in scientific research and student development.

The Lilly-Purdue 360 initiative will deepen and expand our partnership by focusing on:

drug discovery, product development, manufacturing and workforce development





Mission:

In an era of rapid technological advancement, the Lilly and Purdue alliance will **lead** advancements in drug discovery, development, and manufacturing and improve workforce training.

This partnership will support Purdue's One Health initiative, trailblazing new paths for the discovery, development, and manufacturing of next-generation medicines and delivering impactful outcomes for Lilly, Purdue, and patients nationally and globally.



Lilly-Purdue 360

Talent Flow at Scale

LPRC Student Engagement

Lilly Scholars, Internships, Talent Development Academy

Discovery at Scale

Genetic Medicines

Next Generation Therapeutics (NGTx)

Automated Drug Discovery

Digital Biomarker

Discovery

Product Research and Development at Scale

Lilly Medicine Foundry

Green Chemistry

CMC Digital Transformation

LEAP District Training and Development

Manufacturing at Scale

Aseptic MFG Technology

Global Robotics Program

Young Institute Consortium Membership

FEATURED NEWS

Low Institute For Therapeutics (LIFT)

Blazing a new trail for early-stage innovation: Purdue announces creation of Low Institute for Therapeutics (LIFT) through a generous gift by Phil and Joan Low

APRIL 29, 2025 | PURDUE NEWS

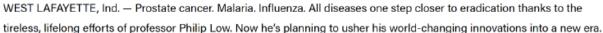
5

Ŧ









The creation of the Low Institute for Therapeutics (LIFT) was announced Tuesday (April 29) at an event on campus. The institute will work toward accelerating lifesaving therapeutics from the lab and into the world by funding necessary early-stage trials in partnership with Purdue University and Purdue Research Foundation.



Therapeutics from Purdue IP (Dr. Low) Spinouts

FDA Approved





lutetium Lu 177 vipivotide tetraxetan INJECTION FOR INTRAVENOUS USE

Royalty: \$128M to date







Kit for the preparation of gallium Ga 68 gozetotide

INJECTION FOR INTRAVENOUS US

Royalty: \$900k to date





Royalty: \$100k to date



Estimated Valuation: \$55M Valuation Contributors:

\$116M total raise

Pre-clinical / In Clinical Trials



Estimated Valuation: \$435M Valuation Contributors:

- \$100M Oversubscribed Series C (Jan 2025)
- AbbVie collaboration worth up to \$1.4B



Market Cap: \$646.5M



Estimated Valuation: \$43M-\$100M Valuation Contributors:

Closed Series A, \$10.25M (March 2025)

Young Institute Update: 2024-25

- Young Institute Consortium with Lilly and Merck as founding members launched in January 2025 — \$15M
- 10,000 sft Research and Training Facility build-out at Indiana Manufacturing Institute
- 4th Indiana Life Sciences
 Manufacturing Summit March 2025
- "Making Medicines in America" summit on Capitol Hill — May 2025 based on proposed M-USA institute (\$70M NIST + \$180M non-fed match budget/5 years)



Sec. David Adams keynote at IN Life Sciences Summit, 3/2025







Onshoring summit on Capitol Hill, 5/2025



Young Institute: Workforce Training

- BSL-3 cGMP Mobile Cleanroom for hands-on training on injectables manufacturing — donation by Lilly, installed at IMI in February 2025
- NIIMBL experience @Purdue —
 weeklong experiential training on
 biomanufacturing for undergraduates;
 1st time in Midwest
- Purdue lead on \$51M Heartland Bioworks EDA Tech Hub — first cohort of Biotrain Graduate Fellows (\$3.8M/5yr) at Purdue will start in summer 2025 to deliver curriculum for 600 Purdue UG and 1,200+ industry trainees





GermFree mobile cleanroom for hands-on training on cGMP fillfinish of injectables

NIMBL eXperience

@Purdue

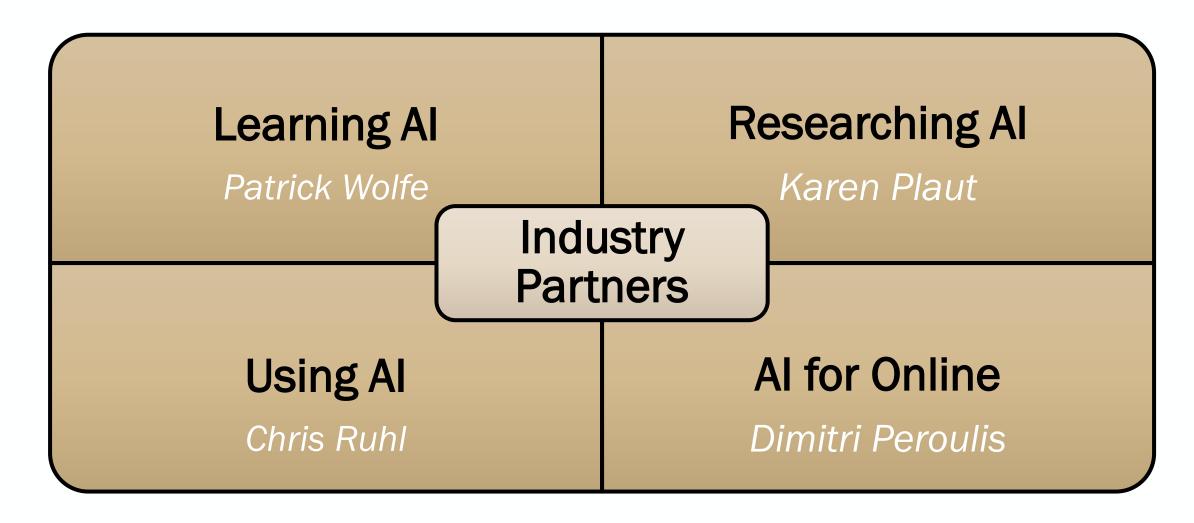
Led by Purdue University



June 2-6, 2025, at Purdue University in Indianapolis



Al@Purdue: Comprehensive Strategy





Al Strategy — Learning

In-house technical expertise combined with an opportunity for first-mover advantage

- Past: Al Teaching and Learning Innovation Hub Projects
 - From 2022-25, thanks to \$2.8M from the Lilly Endowment, 200+ faculty across 33 projects impacted 44 courses with thousands of students to improve learning, instructor effectiveness and course efficiency through Al classroom innovations
- Present: 2025 Summer Al Academy
 - 59 faculty representing all colleges will come together as a team to learn, share and implement Al innovations in the Purdue classroom at scale across the curriculum and disciplines
- Future I: Purdue Is at the Leading Edge of Revolutionizing Academic Advising
 - Purdue Al Advising tools in beta testing: Listening Companions. Chatbots. Major Change Al Support
 - Advisor- and student-driven and informed by Purdue faculty research
- Future II: <u>Al Literacy for All</u> in Curriculum
 - Understanding AI is now essential for all graduates to remain competitive and informed across all professions



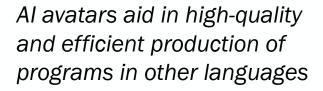
Al Strategy — Online

- Al-enabled personalized learning: excellence at scale
- New tools and data curation: accurate, pertinent and contextually aligned learning

SPONSORED BY

Partnerships with industry: key to success

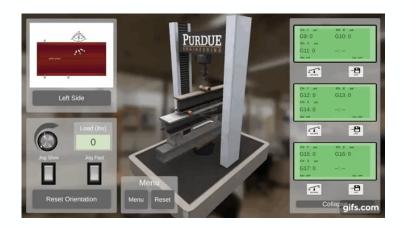






Inaugural Purdue/Google Al Summit, Nov. 2024: Al's transformative impact on learning, work and workforce development

PURDUE UNIVERSITY.



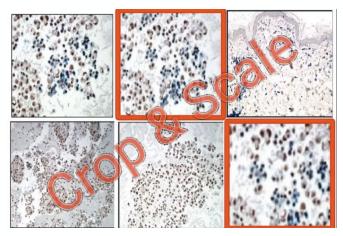
Purdue announces spatial computing hub, May 2025: In collaboration with Apple, plan to launch a spatial computing hub



Al Strategy — Research

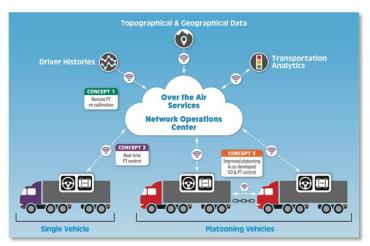
- Use Al tools to improve research efficiency and excellence
- Be the "go to" institution for physical AI (IPAI)
- Partner with national labs, industry and government for Al solutions

Propfig Al



www.proofig.com/

NEXTCAR Initiative



https://www.purdue.edu/discovery park/cav/nextcar/index.php





https://cymanii.org/



Al Strategy — Adoption

Microsoft 365 Copilot

Pilot complete, operational July 1, 2025

140 of 207 paid users active (~70%); ~4K unique users of Copilot via web in April

Most common uses: writing, content generation, data analysis, summarization



Gautschi

10-week early-user phase supported 29 Pls and 98 unique users

Without Gautschi, this 10week run alone would have cost Purdue \$1.9M on the commercial cloud

19 Pls from 8 departments have purchased allocations



GenAl Studio

Al service running on Purdue resources, available to entire Purdue community since January 2025

Over 300 active users (1000+ all-time), ~2.5K chats and 329K+ messages in April

GenAl use case from Daniels School



Policy

Information, Governance and Training Offerings

Al Website relaunch — January 2025

Al Policy and "Use of GenAl and Large Language Models" drafts completed, to be published on Aug. 1, 2025



Opportunities

17 bots automated ~1M transactions, Ivy.ai bots performed ~50k chats for IT, HR, Bursar, etc.

Cybersecurity: Use automation/Al to improve incident response, eliminate attack vector

Procurement: Automate vendor payments in SAP using ticketing data





Thank You

