



General Session (8:30-9:20):

“Research Update”

STEW 302

Breakout Sessions (9:30-10:40 & 10:50-12:00)

“Subrecipient Monitoring”

STEW 202

“Effective Communication in Research
Administration”

STEW 310

“Facility and Administrative Cost Overview”

STEW 302

**Hot Topics In Research
Administration**

General Session

"Research Update"

Ken Sandel
Senior Director
Sponsored Program Services





Introduction
Associate Vice
President for
Research and
Regulatory Affairs

Christopher R. Agnew, Ph.D.
Professor of Psychological Sciences
Associate Vice President for Research

\$1.83

Billion in
System-wide
Proposals

3,959

System-wide
Proposal
Submitted

2,505

Federal Proposals

\$261

Million in
Federal Awards

1,454

Non-Federal
Proposals

\$157

Million in
Non-Federal Awards

FAST FACTS
PURDUE'S RESEARCH ENTERPRISE

\$418

Million in
System-wide
Awards

32%

Proposal
Success Rate

1,478

Multi-Departmental
Submissions

1,207

Unique Overall
Sponsors

3,900

Fully Executed
Contracts

430

Multi-Institutional
Proposal Submissions

460

Unique Company
Sponsors

Proposals

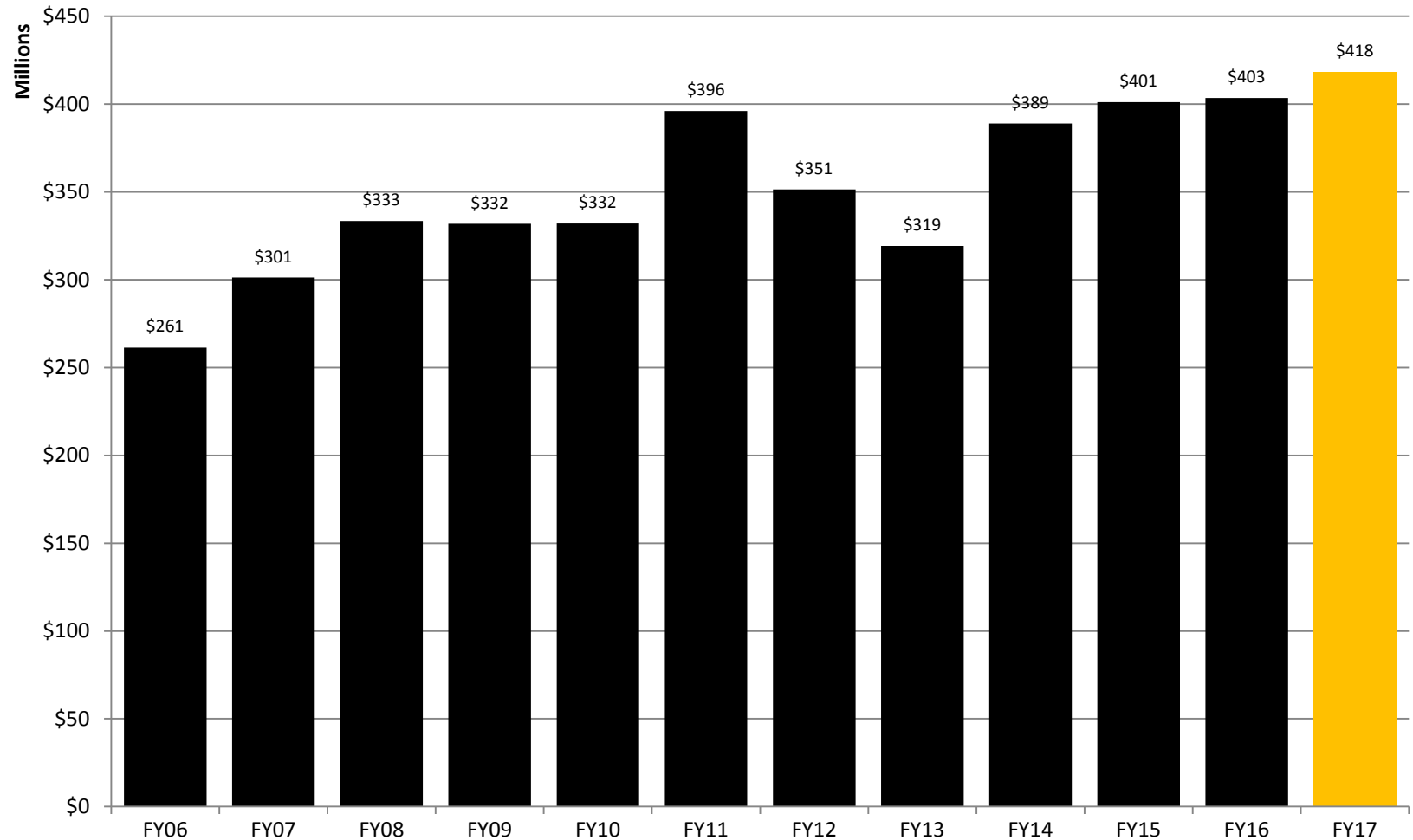
Purdue System-Wide Year-To-Date Proposals By Sponsor

Compare Fiscal Years - FY17 vs FY16 (thru Period 12) wFY16 asof Jun2016

SPONSOR	FY2017 (Jul2016-Jun2017)		FY2016 (Jul2015-Jun2016)		% Change		\$DIFF
	NO.	\$AMOUNT	NO.	\$AMOUNT	NO.	AMOUNT	
National Science Foundation	836	425,776,043	832	444,790,117	0%	-4%	-19,014,074
Dept. of Health and Human Services	641	494,256,580	607	522,203,793	6%	-5%	-27,947,213
Dept. of Defense	228	204,558,984	262	180,001,600	-13%	14%	24,557,384
Dept. of Energy	165	255,545,867	135	102,988,267	22%	148%	152,557,401
Dept. of Agriculture	269	90,819,501	173	40,637,508	55%	123%	50,181,994
National Aeronautics and Space Admin	106	46,558,289	118	21,032,993	-10%	121%	25,525,295
Other Federal	174	92,894,296	149	53,916,433	17%	72%	38,977,863
Dept. of Education	25	17,745,928	24	12,712,277	4%	40%	5,033,651
Dept. of Interior	16	749,159	14	1,933,101	14%	-61%	-1,183,942
Environmental Protection Agency	10	4,924,856	15	4,431,688	-33%	11%	493,168
Dept. of Transportation	21	6,752,657	42	16,628,615	-50%	-59%	-9,875,958
Agency for International Development	14	3,904,551	15	3,459,829	-7%	13%	444,722
Total Federal	2,505	\$1,644,486,511	2,386	\$1,404,736,220	5%	17%	\$239,750,291
Industrials and Foundations	1,141	145,150,033	1,159	147,853,971	-2%	-2%	-2,703,937
State/Local Governments	173	29,062,125	154	38,058,214	12%	-24%	-8,996,089
Purdue University/Purdue Research Fdn	90	6,233,127	233	10,236,554	-61%	-39%	-4,003,426
Foreign Governments	50	9,706,238	38	7,711,194	32%	26%	1,995,044
Total Non-Federal	1,454	\$190,151,524	1,584	\$203,859,932	-8%	-7%	-\$13,708,409
Total Purdue System-Wide	3,959	\$1,834,638,035	3,970	\$1,608,596,153	0%	14%	\$226,041,882

Research Awards **\$418M**: – **FY 2017 RECORD**

system-wide excluding ARRA

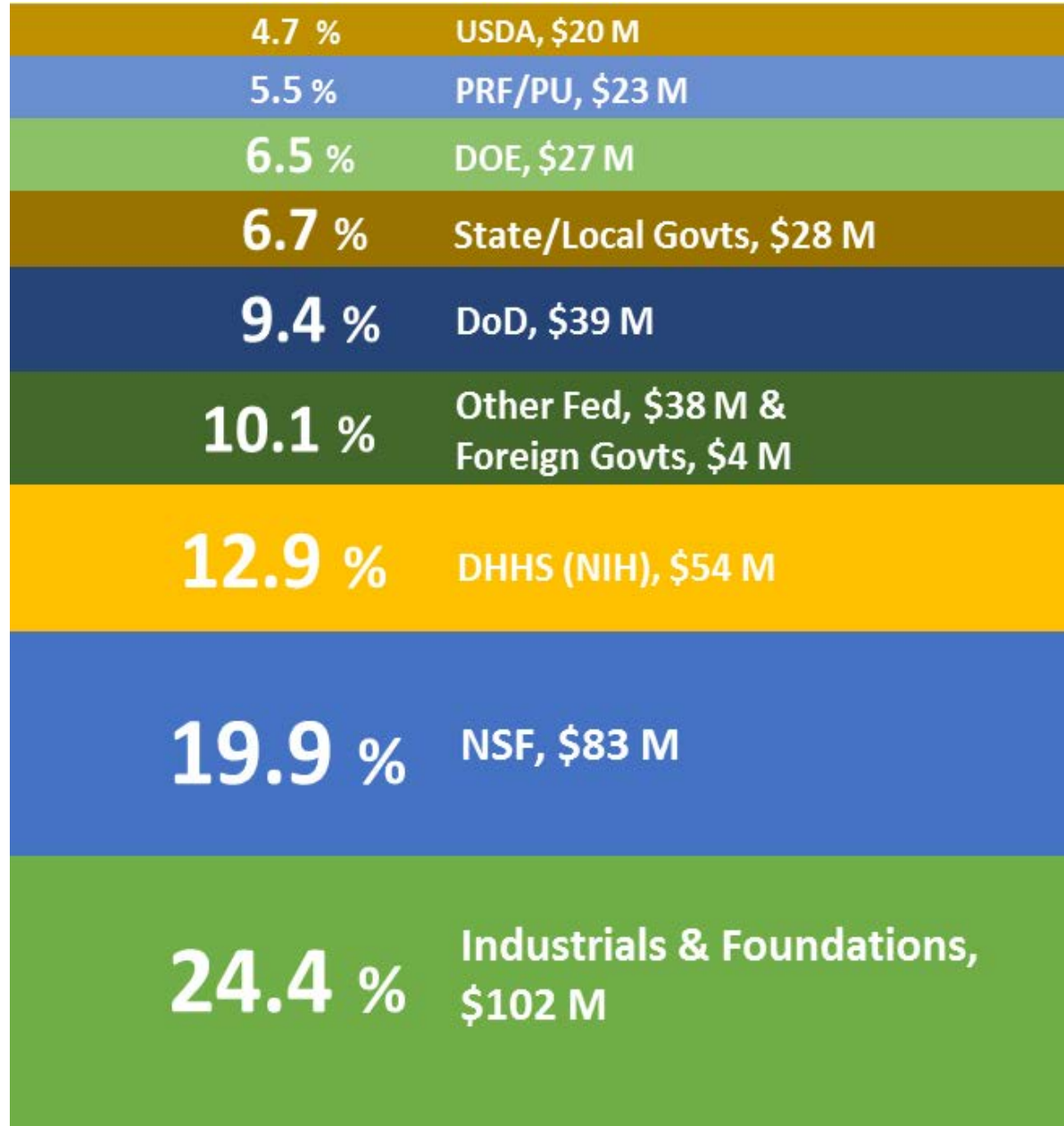


Awards

Purdue System-Wide Year-To-Date Awards By Sponsor Compare Fiscal Years - FY17 vs FY16 (thru Period 12)

SPONSOR	FY2017 (Jul2016-Jun2017)		FY2016 (Jul2015-Jun2016)		% Change		\$DIFF
	NO.	\$AMOUNT	NO.	\$AMOUNT	NO.	AMOUNT	
National Science Foundation	303	83,289,208	300	81,394,901	1%	2%	1,894,307
Dept. of Health and Human Services	273	53,950,445	226	49,760,598	21%	8%	4,189,848
Dept. of Defense	267	39,066,295	248	40,091,889	8%	-3%	-1,025,594
Dept. of Energy	132	27,065,778	117	31,769,992	13%	-15%	-4,704,214
Dept. of Agriculture	137	19,720,448	128	15,837,906	7%	25%	3,882,542
National Aeronautics and Space Admin	99	6,892,031	90	6,884,392	10%	0%	7,639
Other Federal	69	10,186,640	57	7,843,174	21%	30%	2,343,466
Dept. of Education	23	10,294,258	22	4,213,769	5%	144%	6,080,489
Dept. of Interior	18	908,629	14	759,263	29%	20%	149,366
Environmental Protection Agency	10	3,169,559	8	662,019	25%	379%	2,507,540
Dept. of Transportation	22	1,922,776	32	6,261,762	-31%	-69%	-4,338,986
Agency for International Development	19	4,445,595	21	4,738,114	-10%	-6%	-292,519
Total Federal	1,372	\$260,911,662	1,263	\$250,217,779	9%	4%	\$10,693,883
Industrials and Foundations	1,594	102,249,146	1,621	82,232,076	-2%	24%	20,017,071
Profit	1,127	65,492,784	1,155	50,076,710	-2%	31%	15,416,074
Non-Profit	467	36,756,363	466	32,155,366	0%	14%	4,600,997
State/Local Governments	136	27,944,545	142	39,266,060	-4%	-29%	-11,321,515
Purdue University/Purdue Research Edn	691	22,764,860	994	28,904,378	-30%	-21%	-6,139,519
Purdue University	244	10,106,993	319	13,405,093	-24%	-25%	-3,298,099
Purdue Research Foundation	447	12,657,866	675	15,499,286	-34%	-18%	-2,841,420
Foreign Governments	73	4,406,863	49	2,786,898	49%	58%	1,619,965
Total Non-Federal	2,494	157,365,414	2,806	153,189,413	-11%	3%	\$4,176,001
Total Purdue System-Wide	3,866	\$418,277,076	4,069	\$403,407,192	-5%	4%	\$14,869,884

FY 2017 Awards by Agency – System-wide = \$418M

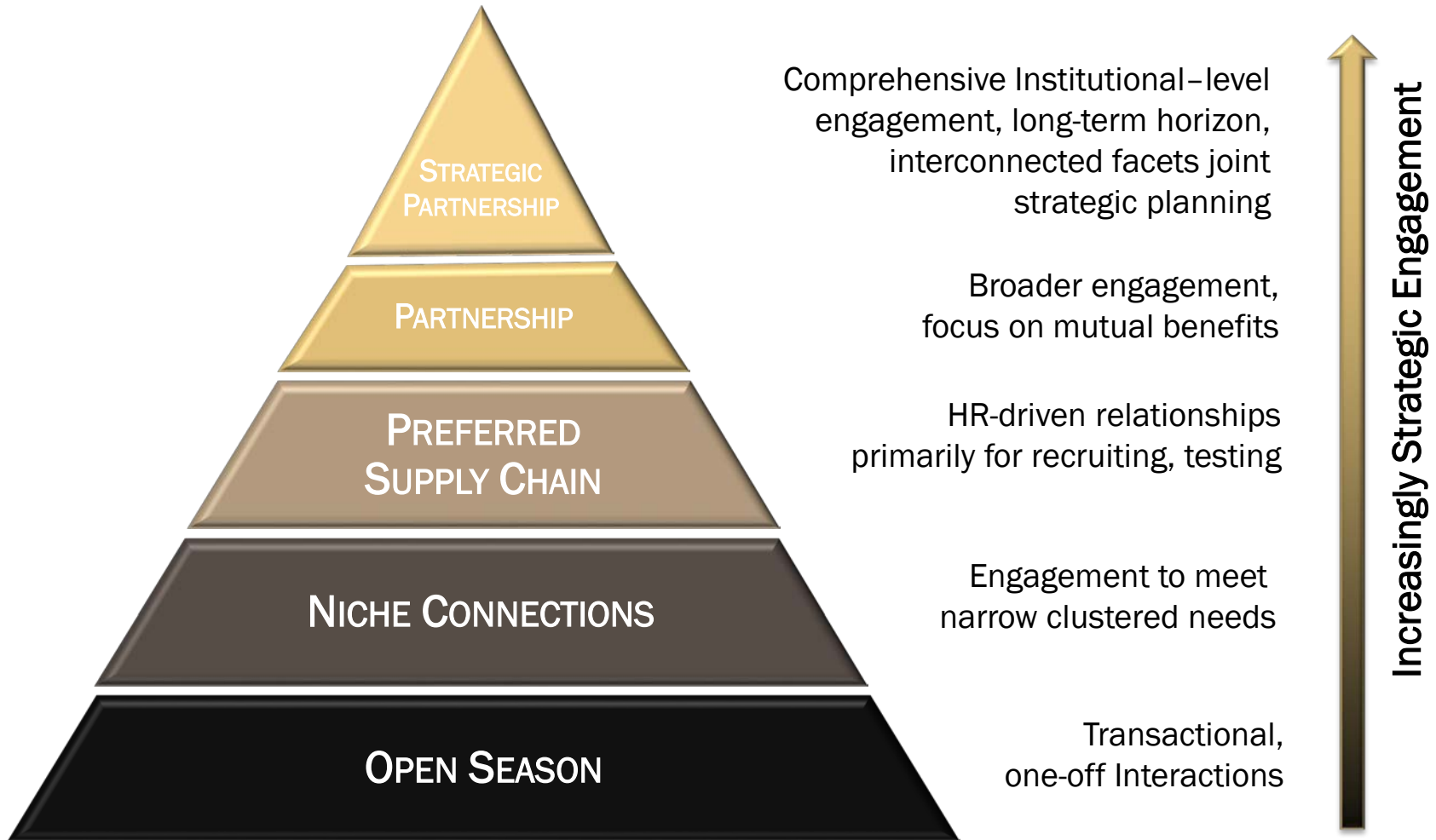


Partnership Focus



Partnership Approach

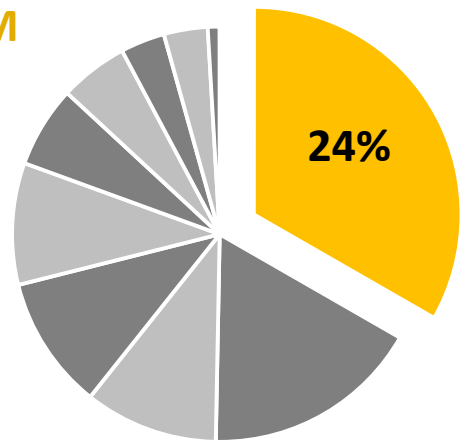
Focus on Partnerships



Purdue makes available to private industry its unique capabilities to enhance industrial competitiveness

Purdue corporate and foundation sponsored work represents 1/4 of all R&D

FY 2017
\$102M



- Current growth focused on strategic corporate partners
- Unprecedented flexibility in IP policies
- Focus on the Customer!

CORPORATE SPONSORS



Purdue is a national leader in IP management, small business creation and economic impact

SOW Chapter I, Requirements
SOW Chapter II 1.3, 1.10

STARTUPS



CORPORATE LICENSES



STRATEGIC PARTNERSHIP SUCCESSES

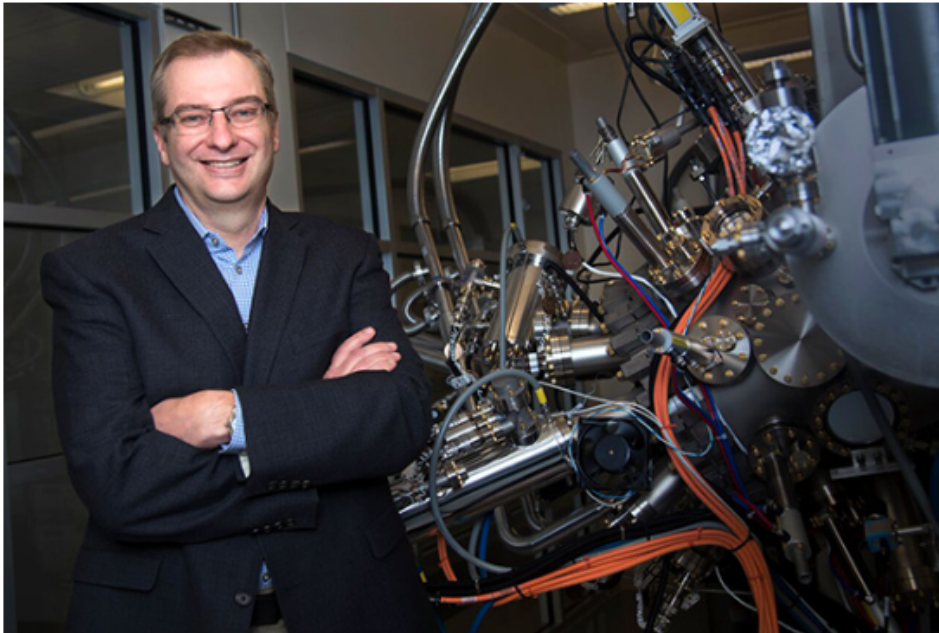


STRATEGIC PARTNERSHIP SUCCESSES



May 30, 2017

Microsoft, Purdue collaborate to advance quantum computing



Purdue University and Microsoft Corp. have signed a multi-year agreement to develop a useable quantum computer. Purdue is one of four international universities in the collaboration. Michael Manfra, Purdue University's Bill and Dee O'Brien Chair Professor of Physics and Astronomy, professor of materials engineering and professor of electrical and computer engineering, will lead the effort at Purdue to build a robust and scalable quantum computer by producing what scientists call a "topological qubit." (Purdue University photo/Rebecca Wilcox)

Purdue and Microsoft Corp. to build a robust and scalable quantum computer by producing what scientists call a "topological qubit."

Related background websites:

Nature: "[Inside Microsoft's quest for a topological quantum computer](#)"

Gizmodo: "[Physicists create 'pseudo-particles' for error-free quantum computing](#)"

Wired: "[The future of quantum computing](#)"

Research News

- [Research shows ice sheets as large as Greenland's melted fast in a warming climate](#)
- [Engaging children in math at home equals a boost in more than just math skills](#)
- [We should use central pressure deficit, not wind speed, to predict hurricane damage](#)
- [Taming 'dendrites' could bring better lithium-ion batteries](#)
- [System uses 'deep learning' to detect cracks in nuclear reactors](#)

5 Years
\$14Million

More Research News

STRATEGIC PARTNERSHIP SUCCESSES



July 6, 2017

Lilly and Purdue University announce strategic research collaboration

Lilly will provide up to \$52 million to fund life science research over five years

INDIANAPOLIS and WEST LAFAYETTE, Ind. — Eli Lilly and Company (NYSE: LLY) and Purdue University on Thursday (July 6) announced a strategic collaboration to conduct life science research. The five-year agreement, where Lilly will provide up to \$52 million, marks Purdue's largest strategic collaboration with a single company.

"Purdue has enjoyed a long history of engagement with Lilly. Now Lilly and Purdue University are entering into a new level of collaboration that will move us forward in areas core to both institutions," said Purdue President Mitch Daniels. "Our investment on campus in the life sciences announced in 2016 is leading to just the types of impact we hoped to effect."

"The biomedical revolution is upon us, but harnessing its full potential will require strong collaboration between academic research centers and industry partners," said David Ricks, Lilly's chairman, president and chief executive officer. "We look forward to expanding our relationship with Purdue as we work together to discover breakthrough solutions for patients."

5 Years
\$52 Million

The initial research focus areas include:

- Developing improved delivery of injectable medicines with the goals of reducing pain, decreasing the number of injections, and enabling better patient compliance and overall health.
- Developing predictive models for clinical success that reduce risks associated with investing in drug development and more effectively predict the outcome of new therapies in humans.

STRATEGIC PARTNERSHIP SUCCESSES



June 19, 2017

Rolls-Royce, Purdue, state of Indiana announce new initiative to develop next-generation jet engine components

WEST LAFAYETTE, Ind., and PARIS — Rolls-Royce, Purdue University and the state of Indiana on Monday (June 19) announced a new \$24 million jointly funded program during the International Paris Air Show that further strengthens the state's leadership position in the aerospace industry.

This new initiative will establish unique gas turbine research capabilities at Purdue's Zucrow Laboratories that will focus on advanced turbine aerodynamic and heat-transfer technologies. Rolls-Royce will apply these technologies to jet engine airfoil components – blades and vanes – in current and next-generation jet engines produced at the company's Indiana facilities.

The Indiana Economic Development Corporation (IEDC) is supporting this partnership with \$6 million over the next three years through the Indiana 21st Century Research and Technology Fund, which promotes Indiana economic growth and innovation-driven public-private partnerships. Purdue University is supplying facilities and equipment infrastructure investments of \$8 million, with Rolls-Royce committed to contribute up to \$10 million.

A new turbine test rig will be installed and research will be done at the Purdue Experimental Turbine Aerothermal Laboratory, which is a recent expansion of the Zucrow Laboratories. Zucrow Laboratories, which is located in the **Purdue Aerospace District**, is one of the nation's largest university propulsion laboratories for research aimed at reducing fuel consumption and emissions for next-generation jet engines. Purdue has 40 faculty and graduate students working on current Rolls-Royce research projects.

"Rolls-Royce continues to address our customer's needs for powerful thrust and fuel efficiency. This agreement will allow us to work with Purdue's innovative jet propulsion labs at Zucrow to construct modern, efficient advanced turbine airfoils for current and future engines," said Phil Burkholder, president, Defense Aerospace, Rolls-Royce North America.

3 Years
\$10M RR
\$6M IEDC



Rolls-Royce, Purdue and the state of Indiana announce a new research agreement at the 2017 Paris Air Show. From left are Dan Hasler, chief entrepreneurial officer, Purdue Research Foundation; Chris Cholerton, Rolls-Royce, president, Defense Aerospace; Indiana Gov. Eric J. Holcomb; Phil Burkholder, Rolls-Royce, president, Defense North America; Marion Blakey, president and CEO, Rolls-Royce North America; and, James Schellinger, Indiana secretary of commerce.
[Download Photo](#)

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STRATEGIC PARTNERSHIP SUCCESSES

Master/Strategic Alliance Agreements



In October: 15 proposals for 3.1M



In November: 18 proposals for 5.3M

STRATEGIC PARTNERSHIP SUCCESSES

International Strategic Alliance Agreements



UNSA
UNIVERSIDAD NACIONAL DE SAN AGUSTÍN



May 8, 2017

Discovery Park and Peruvian university sign MOU to strengthen cooperation in education, innovation

Discovery Park and the Universidad Nacional de San Agustín (UNSA), in Arequipa, Peru, signed a memorandum of understanding Thursday (May 4) at the Kurz Purdue Technology Center to solidify a budding partnership, which seeks to foster international cooperation in education and research.

Tomás Díaz de la Rubia, chief scientist and executive director of Discovery Park, and Rohel Sánchez Sánchez, rector (president) of UNSA, signed the memorandum, which encourages the following activities to promote international academic cooperation:

- * Exchange of materials in education and research, publications and academic information.
- * Exchange of faculty and research scholars.
- * Exchange of students.
- * Joint research and meetings for education and research.
- * Technical assistance.
- * Guidance in the creation of a technology park in



Officials celebrate the May 4 signing of a memorandum of understanding between Purdue's Discovery Park and the UNSA, the Universidad Nacional de San Agustín, one of Peru's top universities. From left: Juan Carlos Yuyes Meza, a committee chairman in Peru's Congress; Tomás Díaz de la Rubia, chief scientist and executive director of Discovery Park; and Rohel Sánchez Sánchez, rector (president) of UNSA; and Ricardo Torreblanca, president and global director of the Core Foundation based in the Kurz Purdue Technology Center. The Core Foundation will assist in

November 1, 2017

Purdue, Peruvian university enter into research and innovation alliance

Facu

- **WEST LAFAYETTE, Ind. — Purdue University** and the Purdue Research Foundation signed a strategic research and commercialization alliance on Tuesday (Oct. 31) with the **Universidad Nacional de San Agustín (UNSA)** in the Arequipa region of Peru to accelerate the development of sustainable solutions to the linked socioeconomic and environmental challenges impacting use and supply systems for the region's food, water and energy.

"In acting globally, Purdue looks for opportunities to make lasting impact on a large scale," Purdue President Mitch Daniels said. "Purdue works to create a happier, healthier and more prosperous Indiana. I hope that this will help UNSA create a happier, healthier and more prosperous Arequipa, Peru and Latin America."

The UNSA alliance is the latest example of Purdue's growing international impact with programs already in place in **Africa, Colombia, India, China** and **Ireland**. The goal of the partnership is to make UNSA the premier



Representatives from Purdue, UNSA and Core Foundation met at the Universidad Nacional San Agustín in Arequipa, Peru. From left are Ricardo Torreblanca, Core Foundation president; Rohel Sánchez Sánchez, UNSA rector; Tomás Díaz de la Rubia, chief scientist and executive director of Discovery Park; Horacio Barreda Tamayo, UNSA vice rector for investigation; and Tim Filley, Purdue professor of earth, atmospheric and planetary sciences and agronomy. (Photo courtesy of Paola Torreblanca-Fischer, Core Foundation, vice president) [Download image](#)

Research News

- **Research shows ice sheets as large as Greenland's melted fast in a warming climate**
- **Engaging children in math at home equals a boost in more than just math skills**
- **We should use central pressure deficit, not wind speed, to predict hurricane damage**
- **Taming 'dendrites' could bring better lithium-ion batteries**
- **System uses 'deep learning' to detect cracks in nuclear reactors**

More Research News

In November: 22 proposals for \$13 to \$15 million

STRATEGIC PARTNERSHIP SUCCESSES



August 17, 2017

Infosys, Purdue University build strategic alliance for technology innovation and US workforce development



- Support for Infosys Recruitment and Internship
- Training, Continuous Learning and Employee Engagement
- Fundamental/Applied Research
- Industrialization of Innovation,
- Infosys Centers of Excellence at Purdue - Physical presence

Ideas to Impact



UNIVERSITY MISSION

The mission of Purdue University is to serve the citizens of Indiana, the United States, and the world through:

- ***Discovery*** that expands the realm of knowledge.
- ***Learning*** through the dissemination and preservation of knowledge.
- ***Engagement*** through the exchange of knowledge.



- **Advancing Plant Science Research**
- **Investing in Drug Discovery**



**Automated Field
Phenotyping
Laboratory**



2 drugs approved by FDA
17 drugs in human trials
40 in pipeline

WORLD-CHANGING RESEARCH



STRATEGIC PLAN

MEETING GLOBAL CHALLENGES



AFFORDABILITY & ACCESSIBILITY



**TUITION
FROZEN
AT 2013
LEVELS**



**MEAL PLAN
CHARGES CUT
10%**

frozen and
held flat



**TEXTBOOK
SAVINGS
30%**

through
Amazon.com
partnership

RECOGNITION

- ▶ *The Wall Street Journal reports that "Purdue was third among public schools in terms of resources, which covers per-student finances, faculty-student ratios and research output by faculty."*
- ▶ *#1 in technology transfer and startup creation among U.S. universities without a medical school — Milken Institute*
- ▶ *#4 Public University nationally among public universities — Wall Street*

IMPACT

3

**WORLD
FOOD
PRIZE WINNERS**

2

**NOBEL
PRIZE
LAUREATES**

**30
NATIONAL
ACADEMIES
MEMBERS**

**9
FELLOWS OF THE
NATIONAL ACADEMY
OF INVENTORS**

INDIANA'S RESEARCH UNIVERSITIES IMPACT LIVES EVERY DAY



...get to the stars

...improve our health

Riley Hospital is among
TOP 50
children's hospitals
in the nation



1M served by IU's
physicians
annually



>**1/2** of all physicians
in Indiana trained
as students/residents at **IU
School of Medicine**



Purdue is...
1 of only **28** veterinary schools
in North America
1 of **4** that educates all members
of the veterinary team

They help us...



>**132K** combined
enrollment
in Indiana's research universities

enough to **fill** every seat in **Lucas Oil Stadium**
(70,000 capacity) almost **two times over**.

...bring us entertainment

**Jacobs School
of Music** ranked
1ST in vocal
performance



Indiana, Notre Dame
and Purdue participate in
Division I **athletics**, have
multiple national **championship
teams**, and hosts **millions of
fans** across all sports annually

...feed the world



3 World Food Prize
Winners from
Purdue University



Purdue established as
Indiana's land grant
institution focused on
mechanical arts



Purdue is home to the
Indiana **4-H program**
which engages **>61K
youth**



Indiana University
Est. 1820



Purdue University
Est. 1869



University of Notre Dame
Est. 1842

23 Purdue alumni have
become astronauts

>**1/3** of all of NASA's
manned space
missions have included at
least one Purdue graduate



INCLUDING

first and **last** men to
step foot on the moon

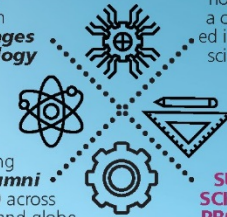
Notre Dame Turbomachinery Laboratory is a
28,000ft² secured, export-
controlled facility



during the past **10 YEARS**
Purdue has produced the
most aerospace engineers
in the nation

...teach our children

69 pre-college
programs
listed by IU - from
foreign languages
to **dance to biology**



Purdue is **I-STEM**
home to
a collaboration of **18** higher
ed institutions assisting design
science and math programs

1.44M living
alumni
from IU, PU and ND across
the state, nation, and globe

**SUMMER
SCHOLARS
PROGRAM** for pre-college
youth offered by
Notre Dame

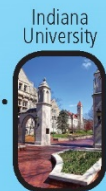
...invent and innovate



Purdue
University



University of
Notre Dame



Indiana
University

20 Nobel Prize
Winners

73 National
Academies
Members (living)

\$1.3B combined in
direct research
expenditures annually

Ideas to Impact

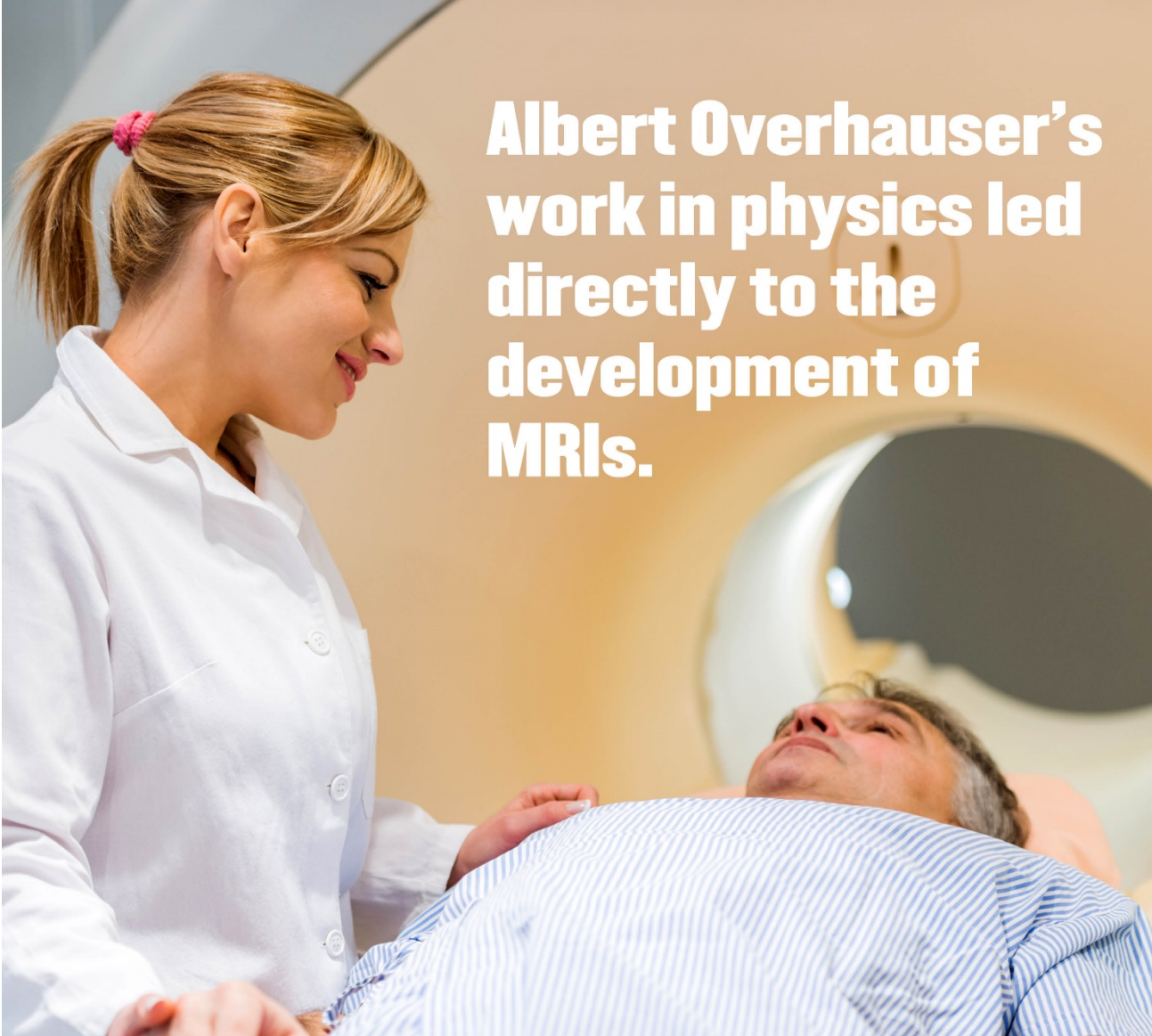
- Every day, all of us in Indiana and the nation enjoy thousands of the benefits of scientific research
 - Electricity in our homes
 - Cars we drive
 - Roads we drive on
 - Televisions and radios
 - Improved health care
 - Smartphones
 - Food on our tables

All developed or greatly improved through university research



**Philip Nelson
made juice
boxes possible
with his sterile
packaging
technology.**

#ScienceForYou

A woman with blonde hair in a ponytail, wearing a white lab coat, is smiling and looking down at a patient lying in a hospital bed. The patient is wearing a blue and white striped hospital gown. The background shows a large circular opening, likely part of an MRI machine.

**Albert Overhauser's
work in physics led
directly to the
development of
MRIs.**

#ScienceForYou

**Les Geddes created tiny
blood pressure monitors
for premature infants.**

#ScienceForYou

**Arun Ghosh
created the first
medication for
drug-resistant
HIV/AIDS.**

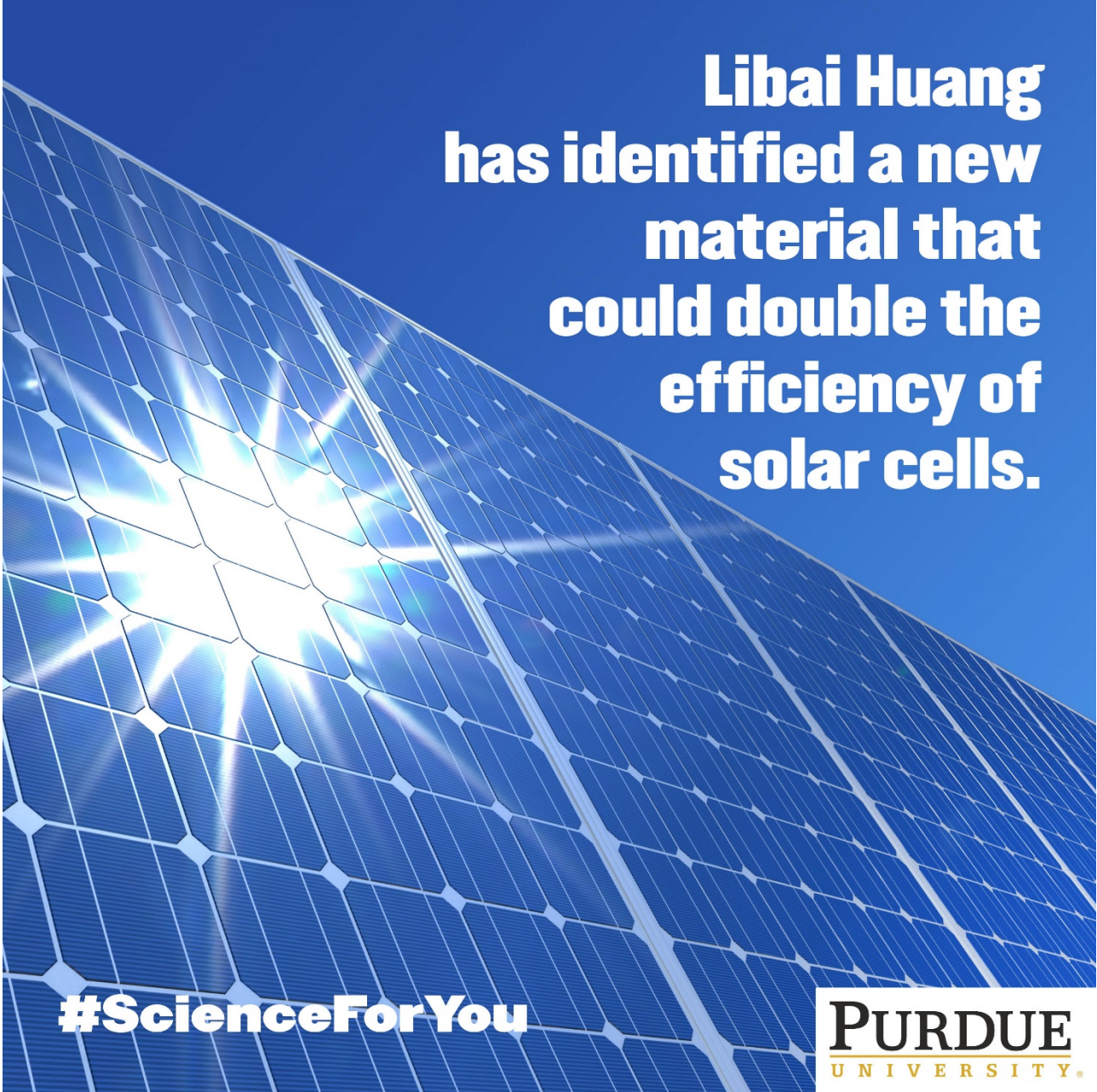


#ScienceForYou

**Richard Kuhn and
Michael Rossmann's
groundbreaking
Zika research
is paving the
way for
treatments.**



#ScienceForYou



**Libai Huang
has identified a new
material that
could double the
efficiency of
solar cells.**

#ScienceForYou

Hot Topics In Research



Hot Topics in Research -National

COGR UPDATE

- Research Outlook
- NIH - F&A Cap

Budget Outlook

JENNIFER ZEITZER, DIRECTOR OF LEGISLATIVE RELATIONS FASEB

- 42 days into year - no budget
- Frustration over lack of accomplishment
- Lots of executive order vs. passing legislation
- 34 Senate seats up for reelection
- Funding
 - Budget controls
 - Changing cap will require bipartisan agreement
 - Defense budget most likely to go up
 - Gov't funded through December 8
- Budget request
 - Balance budget
 - Reduce debt
 - Increase border security
- Most likely need multiple CRs to continue
- Get past tax issues
- Must pass legislation to raise caps (House, Senate & Pres signature)
- Mood is to spend money



NIH Cap on F&A

HOT TOPICS IN WASHINGTON

May 25, 2017

Administration's FY2018 Budget Would Restrict F&A, Contains Salary Cap

Two provisions of note in the President's Budget released Tuesday:

Within the NIH section of the [Major Savings and Reforms](#) provision, the indirect cost rate for NIH grants that will be capped at 10 percent of total grant costs. This approach would be applied to all types of grants with a rate higher than 10 percent and will achieve significant savings in 2018. It would also bring NIH's indirect costs more in line with the reimbursement rate used by private foundations, such as the Gates Foundation, for biomedical research conducted at U.S. universities. The Budget proposes that NIH will streamline select Federal research requirements through targeted approaches. In tandem, the Budget supports budget cuts that will further reduce grant award recipient costs associated with research.

In the Budget's [Appendix document](#) (on page 480 under general provisions).

NIH plan to reduce overhead payments draws fire

By [Jocelyn Kaiser](#) | Jun. 2, 2017, 3:45 PM

President Donald Trump's administration has brought a long-simmering debate over how the U.S. government supports university research back to a boil. In its 2018 budget proposal released last week, the White House proposes cutting so-called indirect cost payments that the National Institutes of Health (NIH) makes to universities, hospitals, and research institutes by about two-thirds, to 10% of each grant.

The administration says the change would allow it to redirect about \$4.6 billion now spent each

POLITICS STAT+

Should taxpayers cover the light bills at university labs? Trump kicks off a tense debate

By MEGHANA KESHAVAN [@megkesh](#) / MARCH 31, 2017

Photos by KAYANA SZYMCAK FOR STAT

Investing in Research & Innovation

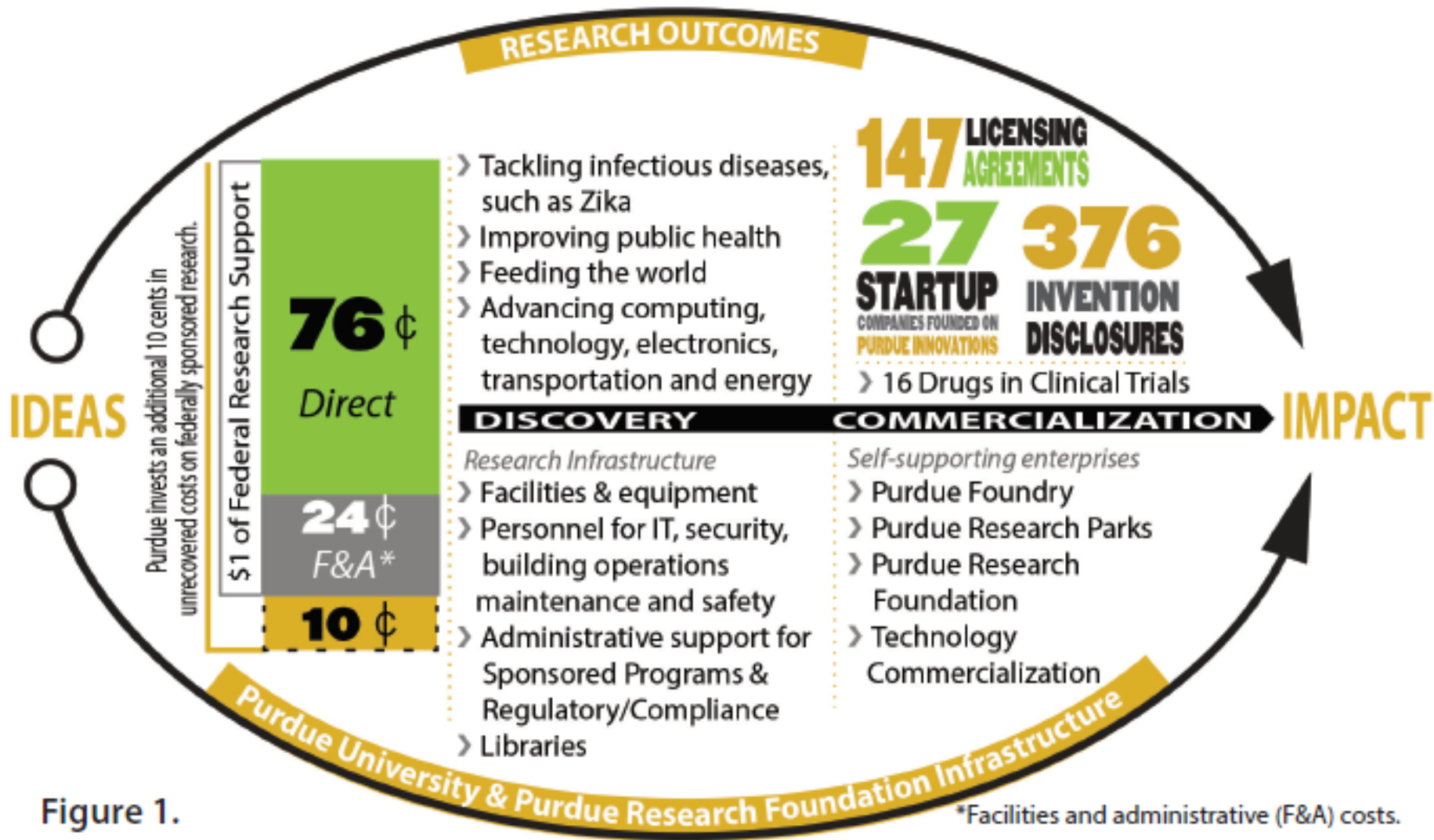


Figure 1.

Interesting Read

WRITTEN TESTIMONY OF DR. KELVIN DROEGMEIER VPR, UNIV. OF OKLAHOMA

<http://www.cogr.edu/sites/default/files/Droegemeier%20Full%20Written%20Testimony%20FINAL.pdf>

“Benjamin Franklin once wrote that the Constitution might not last forever, but that death and taxes would forever be with us. To those who have been attentive to the relationship between the federal government and the nation’s universities since the end of World War II, indirect cost recovery deserves a place on that short list. Like the first two, **the problem of indirect costs is inherently insoluble, and also like them, it excites extraordinary passions among people who are normally quite peaceable and reasonable.**”

1

Written Testimony of Dr. Kelvin K. Droegemeier

Vice President for Research

Regents' Professor of Meteorology and Weathernews Chair Emeritus

University of Oklahoma

Secretary of Science and Technology, Cabinet of Oklahoma Governor Mary Fallin

Submitted to the Appropriations Sub-Committee on Labor, Health and Human Services,
Education and Related Agencies

United States House of Representatives

for the hearing titled

The Role of Facilities and Administrative Costs in Supporting NIH-Funded Research

Tuesday, October 24, 2017, 10:00 am EDT

Rayburn House Office Building, Room 2358-B

I thank Chairman Cole, Ranking Member DeLauro, and Members of the Subcommittee for the privilege of testifying on the important topic of facilities and administrative costs in research, particularly at the National Institutes for Health. My name is Kelvin K. Droegemeier, and I am Vice President for Research, Regents' Professor of Meteorology, and Weathernews Chair Emeritus at the University of Oklahoma. I also am a former member of the National Science Board (2004-2016), the last four years as Vice Chairman, and presently serve in the Cabinet of Oklahoma Governor Mary Fallin as Secretary of Science and Technology. I am testifying today in my roles as an academic researcher, administrator, teacher, and advisor on matters of science and technology policy.

I also thank the Members of this Subcommittee for their longstanding commitment to fostering national prosperity, economic security, quality education, and international competitiveness through support for basic and translational research at the National Institutes of Health. The topic of this hearing is important to that commitment and traces its roots to the pre-World War II era. Not unlike the U.S. Constitution, the framework of facilities and administrative (F&A) costs, previously known as overhead or indirect costs, has been debated continually since its inception, has multiple interpretations depending upon one's position in the research enterprise, and is vitally important to the nation. Consequently, this hearing is especially critical at a time when our nation's research budgets are stressed to an unprecedented degree, and the health, national security, and other challenges facing us are daunting and depend in no small part upon a robust and stable research enterprise.

1. Direct and Indirect Costs: Definition, Application and Viewpoints

For some 80 years, funding directed toward research and development (R&D) at U.S. institutions of higher education has been bifurcated into direct and indirect costs, also known as overhead and, most recently, as facilities and administrative (F&A) costs.¹ Although the categories of funding composing these costs have changed over the years, the general concept remains

¹ The term facilities and administrative (F&A) costs came into existence in the May, 1996 revision of "Cost Principles for Higher Education Institutions" (OMB Circular A-21) to more accurately describe the components of what had previously and synonymously been known as indirect costs or overhead. Although F&A is the appropriate term for contemporary use, I continue to use the terms overhead and indirect costs as referenced in historical events and documents.

Hot Topics in Research - Local

NATIONAL – COGR UPDATE

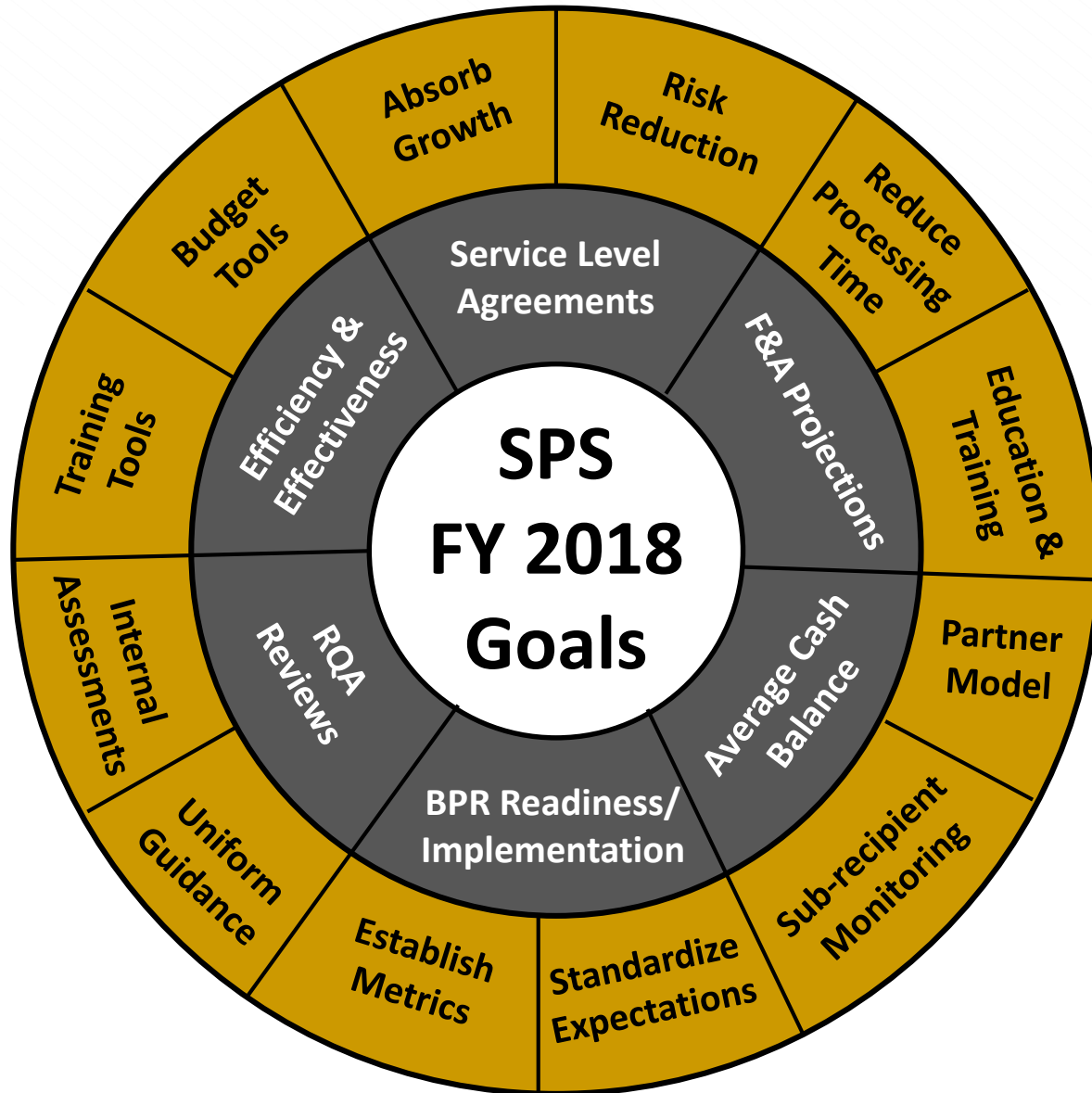
- Business Process Re-Engineering
- SPS Goals
- Service Level Agreements

Business Process Reengineering

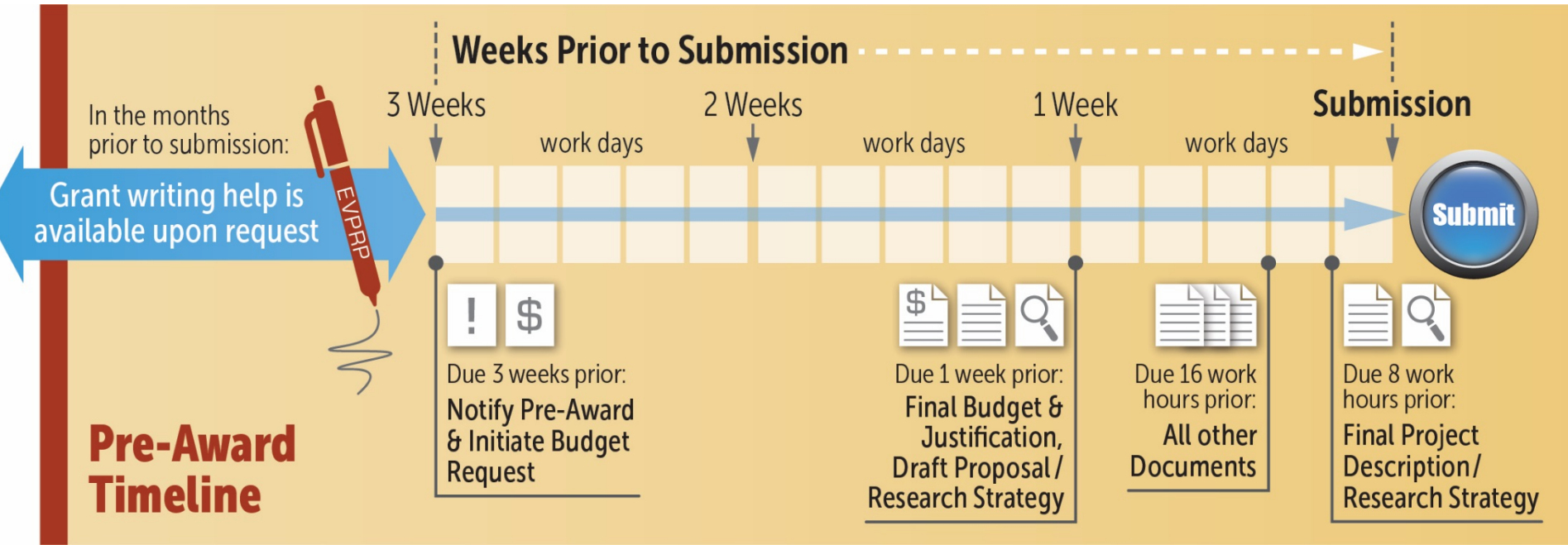
EAM, HCM, FINANCE

- GL Reductions
- Readiness/Clean-up
- Cash at the Unit/Sponsored Program Level
- Budget Upload Template/Program
- Billing Enhancements
- Enhanced Signature Delegation

Target FY 2018



Service Level Agreement – Pre-Award (FY 2017)



1. Initial Notification/Initial Budget Request

3 weeks (15 Business Days) in Advance

3. Final Documents for Submission

2 Business Days (16 hours) in Advance

2. Final Budget, Justification, and Draft proposal

1 week (5 Business Days) in Advance

4. FINAL SOW/Project Descr./Res. Strategy

1 Business Day (8 hours) in Advance

Sponsor Deadlines Outside the Business Day (8:00 a.m.-5:00 p.m.): In the cases where proposals are due outside this timeframe, 5:00 p.m. EST of the day of the deadline should be considered the official submission deadline when calculating the on-time criteria.

Service Level Agreement – Post Award (Coming Soon)



1. Grant Establishment
2. Budget Establishment
3. Sub-recipient Establishment
4. Sub-recipient Invoicing
5. NTP
6. Prior Approval Request
7. Administrative/NCE Amendments
8. Other Amendments
9. Payment processing
10. Sponsor Reports
11. Account Closeout
12. General inquiries

Timeframes will be established and announced based upon current processes at the time the service level agreement is approved. Updates will need to be made in 2018 to reflect the implementation of BPR.

Service Level Agreement – Contracting (Coming Soon)



Purdue University is a leader among universities in flexibility for collaborations with sponsors involving intellectual property. The chart below shows the variety of standard alternatives we routinely offer. We can also create custom solutions to fit a particular need.

<i>Type of Agreement</i>	Basic Research Agreement	Work-for-Hire Agreement	Testing Agreement
<i>IP Contemplated?</i>	Yes	Yes	No
<i>IP Ownership?</i>	Purdue	Sponsor	Sponsor owns project-generated data; there is no IP
<i>IP Licensing</i>	Upon payment of patent costs, sponsor receives a non-exclusive, royalty-free license with option for a royalty-bearing exclusive	None; sponsor owns IP outright in exchange for up-front IP fee	N/A

1. Contract Assignment
2. Notification
3. Redlines to Sponsors
4. Progress to Full Execution
5. Information loaded to COEUS
6. Information loaded to Perceptive Content
7. General Inquiries

Timeframes will be established and announced based upon current processes at the time the service level agreement is approved. Updates will need to be made in 2018 to reflect the implementation of BPR.

General Session

"Research Update"

Questions?

Ken Sandel
Senior Director
Sponsored Program Services





General Session (8:30-9:20):

“Research Update”

STEW 302

Breakout Sessions (9:30-10:40 & 10:50-12:00)

“Subrecipient Monitoring”

STEW 202

“Effective Communication in Research
Administration”

STEW 310

“Facility and Administrative Cost Overview”

STEW 302

**Hot Topics In Research
Administration**