

# DIMENSIONS *of* DISCOVERY



## »» Discovery Learning Research Center Moves In

### Welcome

This issue of *Dimensions of Discovery* includes highlights and announcements about events, the newest research building opening in Discovery Park, opportunities for funding, and possibilities for collaborations. New resources are available for research proposal preparation, record retention, and an education plan that fulfills the NSF Responsible Conduct of Research training requirement.

For the latest on sponsored program awards received, continue to visit the Office of the Vice President for Research Web site at [www.purdue.edu/research/vpr/](http://www.purdue.edu/research/vpr/). □

**PURDUE**  
UNIVERSITY

The current climate for research funding favors larger projects that require collaboration among multiple disciplines and include plans for gaining an educational edge for our future scientists.

Many funding agencies, including the federal government, expect to see an educational enhancement aspect in most project proposals. Purdue is very fortunate to have a place like the Discovery Learning Research Center among its resources, a place where experts in academia, industry and K-12 education can come together to perform educational research and development that will revolutionize learning for the future.

The Discovery Learning Research Center recently moved into its new location occupying the first two floors of the Hall for Discovery and Learning Research at the northwest corner of Martin Jischke and Nimitz Drive in Discovery Park. The building was designed for educational research and features unique, flexible spaces that incorporate technologies and structural characteristics that allow for collection of data about the learning experience.

The special design is unlike any research space available nationwide. Researchers are able to reconfigure rooms to include learning pods of various



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sizes, experiment with novel technologies, adjust breakout rooms and spaces, vary seating arrangements, and even alter acoustics or lighting. All learning and teaching spaces in the DLRC are equipped to record video and sound to allow detailed observation and research within each teaching environment, including areas beyond the classrooms.

The DLRC is eager to partner with researchers to enhance its multi-investigator proposals through its expertise with educational components, its campus research network, and its unique spaces for educational research and collaborative work. If you are interested in possible collaboration, be sure to contact the DLRC early in the proposal process.

Other groups occupying the more than 80,000-square-foot building include the Alfred Mann Institute for Biomedical Development or AMI, Network for Earthquake Engineering Simulation or NEES Operations Center, office space for the National Center for Nanotechnology (NCN), Healthcare TAP, the Center for Analytical Instrumentation Development (CAID), and Discovery Park/Office of Vice President for Research administration staff. ■



### Learning Studios

Modular flooring and wall systems support numerous seating configurations.

Cameras, microphones, projection screens, television monitors, and lights can be mounted on an open grid ceiling structure.

### Project Laboratories

Reconfigurable spaces for student-faculty projects include sinks, drains, buss bars (power), and secure storage of supplies, chemicals, etc.

### Science Teaching Laboratory

A wet lab includes movable workstations with chemical-resistant surfaces and equipment arranged in the center. Around the perimeter are hoods, bench space, and a separate prep room.





## »» First Woman to Walk in Space



- »» **What** Discovery Lecture Series with Kathryn Sullivan
- »» **When** 3:30–4:30 p.m., Friday, April 16
- »» **Where** Hall for Discovery and Learning Research
- »» **Contact** Valerie Lawless, [lawlessv@purdue.edu](mailto:lawlessv@purdue.edu)



Debbie Rowe Photography, London, England

The first woman to walk in space, Kathryn Sullivan is a veteran of three shuttle missions and a 2004 inductee to the Astronaut Hall of Fame.

The title of Sullivan's Lecture is "Reaching for the Stars: Perspectives on Transforming Education." Sullivan is currently located in Columbus, Ohio, at the John Glenn School of Public Affairs, Ohio State University, where her passion for igniting in others the wonder and importance of science, math, and technology is focused at The Battelle Center for Math & Science Education Policy. □

Purdue's Discovery Park and Indianapolis-based Lilly Endowment are co-sponsoring the Distinguished Lecture Series.

**The lecture is free and open to the public.**

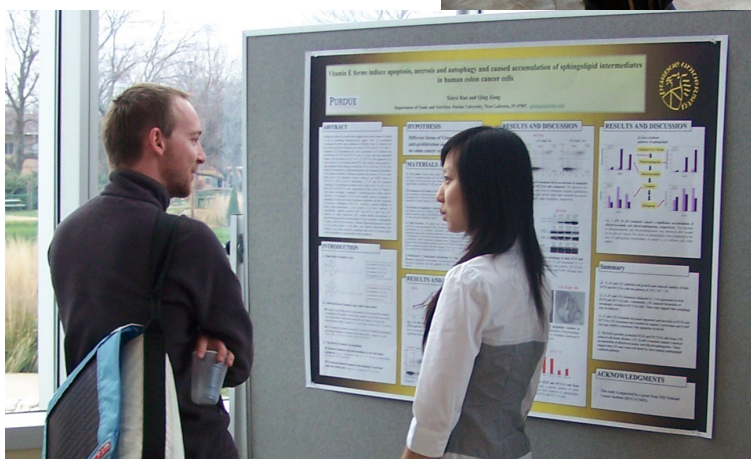
### Dedication Events

- »» **What** Discovery Learning Research Center Workshops
- »» **When** 8 a.m., Thursday, April 15
- »» **Where** Hall for Discovery and Learning Research
- »» **Contact** Amy Childress, [childres@purdue.edu](mailto:childres@purdue.edu)

- »» **What** Hall for Discovery and Learning Research Dedication
- »» **When** 2-3:30 p.m., Friday, April 16
- »» **Where** The Hall for Discovery and Learning Research
- »» **Contact** Catharine Adair, [cadair@purdue.edu](mailto:cadair@purdue.edu) □



## ➤➤ Poster Competition Builds Collaborations



### Cancer Prevention and Healthcare Poster Competition

The Regenstrief Center for Healthcare Engineering (RCHE) partnered with the Oncological Sciences Center and the Department of Foods and Nutrition to host a Cancer Prevention and Healthcare Poster Competition. On December 4, undergraduate and graduate students from multiple disciplines presented posters focused on cancer prevention and healthcare research.

Steve Witz, director of RCHE, said, "The involvement of so many disciplines in this poster competition exposes participants to new ideas and approaches in healthcare and opens the door to new collaborations across campus."

Plans are underway for a poster competition in December 2010 with the intention of encouraging an even broader range of healthcare projects.

The Regenstrief Center for Healthcare Engineering, located in Mann Hall in Discovery Park, supports faculty projects focused on four key areas of research: patient/system; care services; care outcomes; and system support.

Visit the RCHE Web site ([www.purdue.edu/discoverypark/rche](http://www.purdue.edu/discoverypark/rche)) to learn more about future events and opportunities for collaborations. ■



Susie Schultz, Photographer





# »» Funding Opportunities in Healthcare

→|| RESEARCH DEVELOPMENT

## Funding opportunity: The Agency for Healthcare Research and Quality (AHRQ)

Traditionally, federal funding for Purdue faculty has come from the NIH, NSF, USDA, DoD, and DoE. However, recent emphasis on the necessity for research into healthcare quality has opened up additional federal dollars in many diverse areas within the “healthcare” domain. The primary federal agency responsible for funding research in quality, safety, efficiency and effectiveness of healthcare delivery is the Agency for Healthcare Research and Quality (AHRQ), a \$372 million agency within the Department of Health and Human Services. AHRQ leverages the existing infrastructure of NIH for oversight and guidance protocols and for publishing their funding announcements ([grants.nih.gov/grants/guide/WeeklyIndex.cfm](http://grants.nih.gov/grants/guide/WeeklyIndex.cfm)).

**Mission.** Broad portfolios of research within the AHRQ are Comparative Effectiveness, Prevention and Care Management, Value of Healthcare Quality per Cost Unit, Health Information Technology, Patient Safety, and Innovation/Emerging Issues (for descriptions of these areas, see [www.ahrq.gov/fund/portfolio.htm](http://www.ahrq.gov/fund/portfolio.htm)).

**Specific Funding Topics.** Current special emphasis is placed on funding Research on Health Care-Associated Infections in Ambulatory Care Settings, Dissertation Grants in Health Information Technology, Career Development Grants Focused on Health Information Technology, Prevention and Healthcare Management of Complex Patients, and Comparative Effectiveness Research, and Research on Diagnostic Errors in Ambulatory Settings. Though most of the AHRQ funding is and will continue to be focused, a small but significant portion of the budget will still be on investigator-initiated research (\$13 million of the 2009 total budget of \$372 million, approximately 3.5 percent, went to investigator-initiated research).

Grants awarded by AHRQ can be searched on the AHRQ Web site at [www.gold.ahrq.gov](http://www.gold.ahrq.gov) or by using the NIH RePORT system (formerly called CRISP) at [project-reporter.nih.gov/reporter.cfm](http://project-reporter.nih.gov/reporter.cfm). A brief scan of the AHRQ funding database shows grants awarded in diverse areas such as information technology/telehealth, nursing home quality, patient and provider education, medication safety and use, treatment management and decision-making, rural healthcare, special populations and medically underserved, preventive medical and dental care, as well as conference and symposium grants. ■

*Writer: Perry Kirkham is project coordinator in research development*



## ARRA Funding through AHRQ

The American Recovery and Reinvestment Act of 2009 (ARRA) significantly increased the AHRQ budget for 2009 for research on Comparative Effectiveness Research (CER). The 2008 budget for CER was approximately \$30 million; this increased to \$50 million in the 2009 fiscal year budget. The ARRA designated \$300 million to be directly overseen by AHRQ for research on Comparative Effectiveness. AHRQ proposal solicitations utilizing this CER funding began to be announced in December of 2009, accounting for approximately \$90 million of the \$300 million. Faculty and students interested in funding for healthcare-related research should be diligent in checking for future announcements. □



# »» Management and Retention of Research Data

## Record Retention Survey

An informal survey, undertaken over the summer to better understand campus-wide issues, was part of a Provost Fellowship project. Representatives from 28 West Lafayette departments met with Scott Brandt to discuss issues related to research records, retention practices and access to research data. Several common points emerged from these conversations:

- » While digital data is prevalent, many areas still rely on traditional notebooks, which presents additional problems for back-up and access over time.
- » There are a variety of obligations to agencies and institutions to retain data, but the most predominant reason for data retention is to support future research.
- » Issues related to “who owns research data” ran the gamut, although there was general consensus regarding one’s obligation to provide access to data.
- » Procedures for the transfer of data when faculty or students leave Purdue are unclear. □

→|| RESEARCH ADMINISTRATION

## New Resource for Managing Data

The Office of the Vice President for Research (OVPR) has developed a new web resource to help departments and colleges deal with issues related to management and retention of research data. The Web site, located at [www.purdue.edu/research/vpr/rschadmin/records/index.php](http://www.purdue.edu/research/vpr/rschadmin/records/index.php), provides assistance in helping to shape local practice and approaches. It is not a tool that prescribes procedure or resources for storing data, but identifies principles and obligations derived from federal and University policy that should guide the development of effective practices to ensure the integrity, preservation, and managed access to research data. This is a work in progress that will be developing over time, but currently has substantial information to help sort through issues related to research data.

The web resource will assist with understanding what constitutes a research record and its associated data, roles for researchers and the University, pertinent policies, and includes links to additional resources on retention and management of research data.

Questions regarding research data management, retention, and/or access may be directed to Scott Brandt ([techman@purdue.edu](mailto:techman@purdue.edu)) or Peter Dunn ([pedunn@purdue.edu](mailto:pedunn@purdue.edu)). ■

*Writer: D. Scott Brandt is a Provost Fellow and associate dean for research, University Libraries.*







→|| RESEARCH ADMINISTRATION

### A Review of Just-in-Time Practices

Some external funding agencies require evidence of regulatory (IRB or PACUC) approval prior to release of funds to Purdue. Many investigators are familiar with the NIH “just-in-time” processes. However, other less standardized requests for regulatory information exist and require additional preparation.

A variety of scenarios can occur when a sponsor requests regulatory information. The most common scenario is that the principal investigator (PI) is asked to provide the date of protocol approval after a favorable proposal review score. The agency also may request a copy of the approval letter issued by the campus committee. In some instances the funding agency asks investigators to fulfill other requirements. For example, some sponsors prefer the title of a regulatory protocol be identical to that of the project proposal, or they might request an additional letter of verification affirming the work is indeed approved. In other instances, PIs are asked to submit sponsor-specific forms signed by an institutional official or committee chair as supplemental materials. Requests of this nature should be directed to the sponsored programs regulatory administrator who will coordinate the necessary steps.

Purdue’s standard practice for providing regulatory information (IRB or PACUC approval) to a sponsor ascertains that projects involving human subjects or vertebrate animals are verified for congruence with approved protocols. The sponsored programs regulatory administrator compares the relevant protocols with the proposal aims. The administrator is aware of the urgency in these situations and treats just-in-time reviews with appropriate priority. Note that if new protocols or amendments are necessary, materials must be submitted to the regulatory committee and will undergo standard review procedures. Thus, following proposal submission, it is in the investigator’s best interest to have a plan for IRB or PACUC protocol submission in place for experiments requiring regulatory oversight.

If a PI or business office is contacted directly (and not through Sponsored Program Services) by an agency for information related to regulatory approval, they should contact Sponsored Program Services ([proposal@purdue.edu](mailto:proposal@purdue.edu)) and/or Ianthe Bryant-Gawthrop ([ibg@purdue.edu](mailto:ibg@purdue.edu)) for assistance. ■

*Writer: Ianthe Bryant-Gawthrop is sponsored programs regulatory administrator in the Office of Research Administration.*

### Purdue’s Responsible Conduct of Research Education Plan

The National Science Foundation (NSF) published its implementation of a new requirement for the education of students and postdoctoral researchers in the Responsible Conduct of Research (RCR). The education plan requirement is part of the America COMPETES Act (Section 7009).

Sponsored Program Services (SPS) must certify that Purdue University has a plan to provide appropriate training and oversight in the responsible and ethical conduct of research to undergraduates, graduate students, and postdoctoral researchers for all proposals submitted to NSF after January 4, 2010.

To satisfy this requirement, the Office of Research Administration (ORA), Graduate School, and college associate deans for graduate education have adopted an RCR education plan supported by each of Purdue’s colleges and schools. Purdue’s plan consists of core online RCR certification supple-

mented with discussion-based education for graduate students and postdoctoral researchers emphasizing content specific to the respective disciplines.

Because the requirement involves an institutional certification to NSF, Principal Investigators (PIs) should *not* address the Purdue RCR Education Plan in the text of their proposals. Please note that any commitment made in the body of a proposal that specifies RCR education will need to be satisfied *in addition* to Purdue’s institutional RCR Education Plan. The principal responsibility of the PI is to ensure that the students and postdoctoral researchers complete the requirements of the Purdue RCR education plan.

Purdue’s Sponsored Program Services Pre-award Centers will remind PIs submitting proposals to the NSF of the new requirement. ORA will monitor completion of the RCR education plan requirements. ORA and the Graduate School will convene a group of associate deans and NSF-supported faculty to review the RCR education plan periodically.

Details about Purdue’s RCR education plan can be found at: [www.purdue.edu/research/vpr/rschadmin/rcr](http://www.purdue.edu/research/vpr/rschadmin/rcr). The Web site also contains links to RCR educational resources that satisfy the discussion-based component of Purdue’s RCR education plan.

Questions regarding Purdue’s RCR Education Plan should be directed to Associate Vice President for Research Peter Dunn, [pedunn@purdue.edu](mailto:pedunn@purdue.edu). □

*Writer: Peter Dunn is associate vice president for research and director of research administration and compliance.*



## »» Investigators Recognized for Outstanding Contributions







## 2009 Seed for Success Awards

The Seed for Success Award is given in recognition of the accomplishments of single investigators and teams of investigators for their efforts in obtaining a \$1 million or more research grant.

A dinner was held on October 20, 2009, to recognize the outstanding contributions of the investigators receiving a Seed for Success award during fiscal year 2009.

Among the 196 investigators recognized for their accomplishments, 69 were first-time principal investigators or co-investigators who had received a \$1 million or more research grant. Each first-time recipient was presented with a personalized engraved bronze acorn award. □

Please visit the Office of the Vice President for Research Web site for a complete list of the awardees, project titles, sponsors and funding at [www.purdue.edu/research/vpr/publications/seeds.php](http://www.purdue.edu/research/vpr/publications/seeds.php).





### →|| SPONSORED PROGRAM SERVICES

#### CoeusLite Update

Sponsored Program Services is now proceeding forward with the initial steps to provide CoeusLite access to research investigators. CoeusLite is the investigator portal to the system that the University has utilized since 2001 to manage its pre-award processing and proposal development.

A pilot group of investigators will evaluate the system and supporting resources for usability and system performance. The CoeusLite pilot will grant access to identified investigators so that they may enter the system to complete preliminary proposal budgets, collaboratively develop technical narratives and/or utilize existing data for reference purposes. At the conclusion of the pilot, faculty feedback will be applied to both the CoeusLite application and related resources preceding a full roll out of functionality to all University investigators. If you would like to participate in the pilot, please email [coeuslitehelp@purdue.edu](mailto:coeuslitehelp@purdue.edu). □

*Writer: Amanda Hamaker is assistant director of pre-award services in Sponsored Program Services.*

### →|| SPONSORED PROGRAM SERVICES

#### Pre-award Services Coming to a Business Office Near You

For several years, faculty submitting proposals through Discovery Park have utilized dedicated resources from the Discovery Park Pre-award Center to assist in preparing and submitting a proposal. Last fall, through a collaboration of the College of Engineering, the Vice President for Research (VPR), and Business Services, a Pre-award Center was established to support College of Engineering faculty in their efforts to prepare and submit proposals. Feedback regarding the support has been outstanding and prompted the question, "When could these services be made available to all Colleges?" We are pleased to announce that as of February 1, 2010, pre-award support services consistent with those provided in Discovery Park and the College of Engineering are available for all West Lafayette campus faculty and staff submitting proposals.

**Support Offered:** The increased level of support these centers provide for faculty in preparing and submitting proposals is essential to achieving the aggressive growth in sponsored funding that we are striving for under the New Synergies Strategic Plan. The centers offer a single point of contact for budgeting, coordination of cost sharing, subcontracts, electronic submissions and final institutional approval. Pre-award specialists within the centers perform the functions of the academic business office and Sponsored Program Services. These services include, but are not limited to:

- » Reviewing sponsor guidelines and identifying key issues
  - » Facilitating meetings with PI, business office, and other appropriate individuals
  - » Collaborating with VPR staff, as appropriate, during the proposal process
  - » Developing a timeline for all input and approvals
  - » Preparing the budget and reviewing the budget justification
  - » Securing subcontract information
  - » Assisting with cost share commitments and documentation (see page 11)
  - » Involving University Contracting Group services, if needed
  - » Assisting with sponsor forms and electronic submission systems
  - » Assuring the proposal meets all sponsor guidelines and is in final form
  - » Obtaining appropriate academic and business office signatures
  - » Assisting with sponsor requests for re-budgets, Just-in-Time information, etc.
  - » Providing institutional approval for proposal
- Once a Principal Investigator (PI) has decided to submit a proposal, the PI should contact the Pre-award Center. The e-mail should include the PI name, unit, sponsor, deadline and reference to sponsor guidelines when available. After the Pre-award team receives this information you will be contacted by a pre-award specialist. We also offer on-site services at a location convenient to the PI. ■



### Principal Investigator Reactions:

"a great system"	"staff are committed to the job"
"really helped me through the submission"	"everything went very smoothly"
"made the submission process very pleasant"	"an excellent idea"
"staff worked overtime to get this done"	"staff are very knowledgeable"

### Centers Added

Three new Pre-award centers have been established across the West Lafayette campus.

**Science/PNHS Pre-award Center** — This center will support proposals in the College of Science and the College of Pharmacy, Nursing, and Health Sciences (PNHS). It will be located on the third floor of the Exponent building. Jessica Lawrence, [jlawrenc@purdue.edu](mailto:jlawrenc@purdue.edu), has been named the center manager.

**Ag/Vet/CFS Pre-award Center** — Another center will support proposals in the College of Agriculture, College of Consumer and Family Sciences, and the School of Veterinary Medicine. This center will be located in Lynn Hall. Amy Wright, [wrightaj@purdue.edu](mailto:wrightaj@purdue.edu), has been named the center manager.

**Central Pre-award Center** — A third center will support proposals in the College of Education, College of Liberal Arts, Krannert School of Management, and the College of Technology. This center will also provide support for proposals from all other West Lafayette campus departments not affiliated with a College or Discovery Park and will provide review and institutional approval for proposals submitted by each of the Regional Campuses. This center also will be located on the third floor of the Exponent building.

Questions/suggestions regarding pre-award centers can be directed to Mike Ludwig, director of sponsored programs, or Lucia Anderson, director of business managers. ■

*Writer: Amanda Hamaker is assistant director of pre-award services in Sponsored Program Services.*

### Contact Your Pre-award Center

College of Agriculture  
[agpreaward@purdue.edu](mailto:agpreaward@purdue.edu)

College of Consumer and Family Sciences  
[cfspreaward@purdue.edu](mailto:cfspreaward@purdue.edu)

College of Education  
[centralpreaward@purdue.edu](mailto:centralpreaward@purdue.edu)

College of Engineering  
[ceopreaward@preaward.edu](mailto:ceopreaward@preaward.edu)

College of Liberal Arts  
[centralpreaward@purdue.edu](mailto:centralpreaward@purdue.edu)

Krannert School of Management  
[centralpreaward@purdue.edu](mailto:centralpreaward@purdue.edu)

College of Pharmacy, Nursing, and Health Sciences  
[coppreaward@purdue.edu](mailto:coppreaward@purdue.edu)

College of Science  
[cospreaward@purdue.edu](mailto:cospreaward@purdue.edu)

College of Technology  
[centralpreaward@purdue.edu](mailto:centralpreaward@purdue.edu)

School of Veterinary Medicine  
[vetpreaward@purdue.edu](mailto:vetpreaward@purdue.edu)

Discovery Park  
[spsdpark@purdue.edu](mailto:spsdpark@purdue.edu) □

### Cost Share Commitments

In order to improve and streamline the cost share process at Purdue, the Office of the Vice President for Research will work closely with the Pre-award Centers.

All Pre-award Centers have clear guidelines for proposals that require cost sharing. A one-page, online electronic request form is available for your use. The request form will assist in obtaining all the necessary information needed by department heads, deans and the vice president for research to evaluate cost sharing requests. All parties involved in the cost share process will have access to the necessary information in order to quickly review and process such requests. □

*Writer: Bill Baitinger is special assistant to the vice president for research.*



## Facilities and Administrative Cost Rates

The federal government has approved the new F&A rates for Purdue University sponsored programs conducted at the West Lafayette Campus for the four (4) year period beginning July 1, 2009, and ending June 30, 2013. Detailed information about the transition from current rates of current awards, budget preparation and status of pending proposals previously submitted to a granting agency can be found at [www.purdue.edu/sps/pdf/inst1-62703.pdf](http://www.purdue.edu/sps/pdf/inst1-62703.pdf).

The rates calculated for this period are the result of a detailed analysis of research costs recovered through the F&A rate during FY 07-08 and subsequent review by federal officials. A future article will explain the process for how this rate was negotiated over the past year. It is important to note that the increase in the F&A rate is unrelated to the current budget situation. The rates are:

	On-Campus F&A Cost Rates	Off-Campus F&A Cost Rates
<b>Research</b>		
07/01/09-06/30/10	52.5%	26.0%
07/01/10-06/30/13	54.0%	26.0%
<b>Instruction</b>		
07/01/09-06/30/13	52.0%	26.0%
<b>Other Sponsored Programs</b>		
07/01/09-06/30/13	36.0%	26.0%

All awards made prior to December, 31, 2009, will remain at their current rate until those projects are competitively renewed. □

→|| RESEARCH DEVELOPMENT

## Proposal Coordination for Small Proposals

The OVPR proposal coordinators (grant writers) are available, on a limited basis, to consult individually with faculty, primarily assistant professors, who are writing small grant proposals for external funding. Possible services provided in these consultations include:

- » Discussion of the call for proposals and its requirements
- » Help in developing a timeline for the project
- » Discussion of an outline
- » Discussion of a specific area of the proposal, such as the problem overview

The process for requesting this assistance is:

No later than one month prior to the proposal deadline, send an e-mail to [proposalcoordinator@purdue.edu](mailto:proposalcoordinator@purdue.edu) to request a meeting. Please attach the sponsor's call for proposals, a draft or outline of your proposal, if available, and any other relevant documents. If the proposal is a resubmission, please also include any reviews you may have received. In the body of the e-mail, please describe the help you would like.

The OVPR proposal coordinators will review your request, and as much as time allows, the person whose expertise most closely matches your project will contact you to set up a meeting.

The designated proposal coordinator will review your materials prior to the meeting and discuss possible improvements at the meeting.

Although this service does not include writing or editing of small proposals, those who have utilized it have found it to be helpful. ■

### SPONSOR

- » National Science Foundation
- » Dept. of Health and Human Services
- » Dept. of Defense
- » Dept. of Energy
- » Dept. of Agriculture
- » National Aeronautics and Space Administration
- » Other Federal
- » Dept. of Education
- » Environmental Protection Agency
- » Dept. of Transportation
- » Agency for International Development

### Total Federal

- » Industrials and Foundations
- » State/Local Governments
- » Purdue Research Foundation/Purdue University
- » Foreign Governments

### Total Non-Federal

### Total Purdue System-wide

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

## Program Year-to-Date Activity

### Comprehensive monthly awards list includes search and sort capabilities

A list of sponsored program awards received is available online and includes additional awards, known as B-awards, which were not previously published in print.

A search and sort Excel file version of the awards is also available online. Please visit the OVPR Web site at [www.purdue.edu/research/vpr/](http://www.purdue.edu/research/vpr/) for access to the awards.

### Awards by Sponsor

July 1, 2009 to December 31, 2009

	FY2010 (YTD 12/31/2009)		FY2009 (YTD 12/31/2008)		% Change	
	NO.	\$ AMOUNT	NO.	\$ AMOUNT	NO.	\$ AMOUNT
	261	79,491,460	169	41,970,665	54%	89%
	148	30,457,911	120	21,400,269	23%	42%
	99	13,843,879	88	10,555,237	13%	31%
	69	37,567,097	79	18,956,615	-13%	98%
	100	13,307,879	96	9,426,046	4%	41%
	35	2,492,796	40	2,758,039	-13%	-10%
	52	3,703,902	45	4,838,471	16%	-23%
	19	4,132,818	20	4,557,789	-5%	-9%
	6	521,043	9	920,889	-33%	-43%
	12	3,801,908	17	4,003,770	-29%	-5%
	9	1,141,475	7	611,901	29%	87%
	810	\$190,462,168	690	\$119,999,690	17%	59%
	685	29,920,059	893	41,855,900	-23%	-29%
	95	15,582,166	86	11,034,628	10%	41%
	240	3,361,952	145	2,149,515	66%	56%
	16	800,502	13	814,987	23%	-2%
	1,036	\$49,664,679	1,137	\$55,855,029	-9%	-11%
<b>Total</b>	<b>1,846</b>	<b>\$240,126,848</b>	<b>1,827</b>	<b>\$175,854,720</b>	<b>1%</b>	<b>37%</b>

Data provided by Sponsored Program Services

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



# »» Winter/Spring 2010 Events

## Nanotechnology

- » **What** Birck Nanotechnology Center Research Symposium
- » **When** Monday, April 19
- » **Where** Birck Nanotechnology Center
- » **Contact** Deborah Starewich, [dstarewi@purdue.edu](mailto:dstarewi@purdue.edu)
- » **Re** Industrial involvement with the Center, current research updates by faculty, and a poster session by graduate students. □

## Sustainability

- » **What** Building Resilience: Post-Disaster Recovery in International Perspective
  - » **When** Thursday, March 25, 1-5 p.m.
  - » **Where** Burton D. Morgan Center for Entrepreneurship, Room 121
  - » **Contact** Rose M. Filley, [rfilley@purdue.edu](mailto:rfilley@purdue.edu)
  - » **Re** Conference on advances and discoveries made in the field of resilience, post-crisis rehabilitation, and rebuilding.
- 
- » **What** Powering the Global Supply Chain
  - » **When** Friday, February 12
  - » **Where** Purdue Memorial Union
  - » **Contact** Va'linda McBride at 494-4322
  - » **Register** [www.krannert.purdue.edu/centers/dcmme\\_gscmi/conferences/register.html](http://www.krannert.purdue.edu/centers/dcmme_gscmi/conferences/register.html)
- 
- » **What** Emissions Training Workshop
  - » **When** Friday, April 30
  - » **Where** TBD
  - » **Re** A nonpartisan opportunity for public stakeholders to interact with academic and private sector experts regarding the strengths and weaknesses of recent emission trading proposals.
- 
- » **What** Frontiers in Bioenergy Symposium 2010
  - » **When** Monday and Tuesday, May 24-25
  - » **Where** Stewart Center □

→|| RESEARCH DEVELOPMENT

## February 23 Workshop: OVPR and Discovery Park Roles in Large Interdisciplinary Proposals

- » **What** Fifth in a Series about the various aspects of proposal development
- » **When** Tuesday, February 23, 11:30 a.m.-1 p.m.
- » **Where** Stewart Center, Room 202

The Office of the Vice President for Research will host the fifth in a series of workshops designed to provide information and identify resources regarding various aspects of proposal development. This workshop will follow a slightly different format: in addition to including presentations from administrators about the characteristics and services offered to help faculty develop center proposals, it will feature a panel of researchers who lead large centers. The faculty panel consists of:

- » Maureen McCann, associate professor of biological sciences and director of the Center for Direct Catalytic Conversion of Biomass to Biofuels (C3Bio)
- » Jayathi Murthy, Robert V. Adams professor of mechanical engineering and director of PRISM: Center for Prediction and Reliability, Integrity and Survivability of Microsystems
- » Julio Ramirez, professor of civil engineering and director of NEES: Network for Earthquake Engineering Simulation Operations

The panel will discuss their experiences in developing their center proposals, as well as utilizing the resources of the OVPR during the proposal development and award process.

Registration is required, as the workshop includes box lunches. The URL for registration is [www.purdue.edu/Research/vpr/global/events/allEvents.php?](http://www.purdue.edu/Research/vpr/global/events/allEvents.php?) ■

## STEM

- » **What** Gender and Science, Technology, Engineering and Mathematics (STEM) Research Symposium
- » **When** Thursday and Friday, February 18-19
- » **Where** Stewart Center, Room 306
- » **Contact** Alice Pawley, [apawley@purdue.edu](mailto:apawley@purdue.edu) ■

## Healthcare

- » **What** RCHE Coffee and Collaborations
  - » **When** The first Monday of every month
  - » **Where** Mann Hall, Room 203
  - » **Contact** Mary Schultz, [schulmt@purdue.edu](mailto:schulmt@purdue.edu)
  - » **Re** Round table information sharing on research
- 
- » **What** Innovations and Awareness in Assistive Technologies/Devices
  - » **When** Wednesday, March 3, 1-5 p.m.
  - » **Where** Mann Hall
  - » **Contact** Mary Schultz, [schulmt@purdue.edu](mailto:schulmt@purdue.edu)
  - » **Re** Center for Assistive technology (CAT) poster retreat  
Keynote address on funding and faculty demonstration of the catHUB.
- 
- » **What** RCHE Spring Conference: Closing the Loop
  - » **When** Tuesday, April 6, 8 a.m.-3 p.m.
  - » **Where** Burton D. Morgan Center for Entrepreneurship, Rm. 221
  - » **Contact** Mary Schultz, [schulmt@purdue.edu](mailto:schulmt@purdue.edu)
  - » **Re** Conference implementing research results into a clinical setting to demonstrate positive impact on the healthcare system. Presenters will be from academia/research as well as the healthcare industry, and the day will include a session on implementation/impact in funding proposals. A networking reception will provide informal opportunities for discussions of specific challenges and opportunities. ■

## Oncology

- » **What** Reading and Discussion with Rebecca Skloot
- » **When** Tuesday, March 9, 2010, 7 p.m.
- » **Where** Martin Jischke Hall of Biomedical Engineering, Room 2001
- » **Contact** Kris Swank, [kswank@purdue.edu](mailto:kswank@purdue.edu)
- » **Re** Rebecca Skloot, an award winning science writer, will discuss her book, *The Immortal Life of Henrietta Lacks*, at the Cancer Culture and Community event sponsored by the Oncological Sciences Center. ■

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27	28	29	30	31		



## Entrepreneurship

- » **What** Mini-Bootcamp
  - » **When** Thursday, March 11
  - » **Where** TBD
  - » **Contact** Julie Goonewardene, [jkgoonewardene@prf.org](mailto:jkgoonewardene@prf.org)
- 
- » **What** 4th Annual Elevator Pitch Competition
  - » **When** Friday, April 2, 2-5 p.m.
  - » **Where** Burton D. Morgan Center for Entrepreneurship, Room 121
  - » **Contact** Nathalie Duval-Couetil, [natduval@purdue.org](mailto:natduval@purdue.org)
  - » **Re** Participants will convince a panel of judges of the value of their business idea in two minutes or less
- 
- » **What** How and When to Write a Disclosure
  - » **When** Friday, April 23
  - » **Where** TBD
  - » **Contact** Julie Goonewardene, [jkgoonewardene@prf.org](mailto:jkgoonewardene@prf.org) □



→|| OFFICE OF THE VICE PRESIDENT FOR RESEARCH

Hovde Hall  
610 Purdue Mall  
West Lafayette, IN 47907-2040

## »» Research Services Directory

- » General Information & Questions; 494-9806
- » Vice President for Research; 494-6209; Richard O. Buckius, rbuckius@purdue.edu
- » Discovery Park; 496-6625; Alan Rebar, rebar@purdue.edu
- » Research Core Facilities; Cost Sharing; 496-1938; Jeff Bolin, jtb@purdue.edu
- » Internal Competitions, 494-4231; Marietta Harrison, harrisom@purdue.edu
- » Industry Research and Technology Programs; 494-0743; John Schneider, jas@purdue.edu
- » Research Development; 494-6706; Christine King, hcking@purdue.edu
- » Research Integrity; 494-3996; Peter Dunn, pedunn@purdue.edu
- » Conflict of Interest; 496-1763; Voichita Dadarlat, voichi@purdue.edu
- » Export Controls; 494-1852; Michael Reckowsky, mreckowsky@purdue.edu
- » Human Subjects; 494-5942; Kristine Hershberger, kh@purdue.edu
- » Animals; 494-7206; Lisa Snider, ldsnider@purdue.edu
- » Biohazards; 494-1496; Bob Golden, rwgolden@purdue.edu

### **Award Information**

- » Sponsored Program Services; 494-1055; [www.purdue.edu/sps](http://www.purdue.edu/sps)
- » Proposal Information, Transmittal to Agency; 494-6204; [proposal@purdue.edu](mailto:proposal@purdue.edu)

### **Technology Commercialization**

- » Patent & Copyright Information; 588-3475; Karen White, [otcip@prf.org](mailto:otcip@prf.org)

**Editor** » Pamela Burroff-Murr, [burroff@purdue.edu](mailto:burroff@purdue.edu)

**Contributing Writers** » Bill Baitinger, D. Scott Brandt, Ianthe Bryant-Gawthrop, Peter Dunn, Phillip Fiorini, Susan Grimes, Amanda Hamaker, Lucinda Huffaker, Christine King, Perry Kirkham

**Layout** » Linda A. Howell, [lahowell@purdue.edu](mailto:lahowell@purdue.edu)

**Photography** » Debbie Rowe, Susie Schultz, John Underwood, Vincent Walter

**Design** » Cathy Swick Design

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