Office of the Vice Provost for Research

YEAR-END REPORT
IU Bloomington 2012–13

creating opportunities

Clockwise from top: Untitled by Rowland Ricketts; media expert Patrick Feaster examines a fragile lacquer disc recording (photo by Mike Lee); image of metaphase epithelial cell, winner in 2012 GE Healthcare Life Sciences Cell Imaging Competition, by Jane Stout, Light Microscopy Imaging Center.
From the Vice Provost

As we move through another academic and fiscal year at Indiana University Bloomington, I’m pleased to share with you a number of exciting initiatives aimed at enhancing research and creative activities on this campus.

For example, working with various campus partners, including the provost and the president, we have secured the preservation of and access to unique media collections through the establishment of the IU Media Preservation and Access Center. Similarly, a campuswide partnership helped to create the Social Science Research Commons (SSRC), a faculty resource center that will foster collaborative research and advance faculty efforts in competing for external funding. The SSRC was formally dedicated on October 7, 2013.

To further increase funding opportunities for IU Bloomington faculty, we are investing new resources into expanding the Indiana Clinical Translational Sciences Institute on the Bloomington campus. With support from the provost and funding from the Mellon Foundation, IU Bloomington schools, and OVPR, we also launched the Mellon Innovative International Research, Teaching and Collaboration program (MIIRT) in 2012. The first MIIRT round funded 17 grants to faculty and graduate students in the College of Arts and Sciences, the School of Global and International Studies, the Maurer School of Law, the Wells Library, and the School of Education.

Of course, another academic year offers new opportunities to develop research and creative activities at IU Bloomington. We look forward to working across the campus to support and advance faculty achievements. Particular priorities for FY2014 are listed on the opposite page.

Sincerely,

Sarita Soni
Vice Provost for Research
Indiana University Bloomington

OVPR Centers, Institutes, and Museums

- Anthropological Center for Training and Research on Global Environmental Change
- Center for Exploration of Energy and Matter
- Center for Genomics and Bioinformatics
- Center for Research into the Anthropological Foundations of Technology
- Center for Survey Research
- Center on Congress
- Glenn A. Black Laboratory of Archaeology
- Indiana Geological Survey and Center for Geospatial Data Analysis
- Indiana Institute on Disability and Community
- Indiana Molecular Biology Institute
- Institute for Advanced Study
- Institute for Digital Arts and Humanities
- Kinsey Institute for Research in Sex, Gender and Reproduction
- Laboratory Animal Resources
- Light Microscopy Imaging Center
- Mathers Museum of World Cultures
- Ostrom Workshop in Political Theory and Policy Analysis
- Poynter Center for the Study of Ethics and American Institutions
- Center for the Study of Institutions, Population and Environmental Change
The mission of the Office of the Vice Provost for Research at Indiana University Bloomington is to work with individuals, teams, centers, institutes, and schools to foster excellence in research and creative activities and to offer support to faculty to successfully compete for external funding.

ovpr.indiana.edu

PRIORITIES for FY2014

• **Centers and Institutes**
  OVPR will work with centers and institutes to ensure that strategic plans are in place to increase faculty participation in center activities and to provide key assistance to faculty who are newly tenured. We will also establish a “Directors’ Series” that provides information and tools that center directors need for continued success.

• **Social Sciences Research Commons**
  Within this new campus resource center, collaborative teams of faculty will work to develop grant proposals that address questions of importance to society, particularly those that require multidisciplinary and data-intensive approaches. More broadly, OVPR will bring together faculty from the new School of Public Health—Bloomington and other social science faculty to develop collaborative research focused on health.

• **Outstanding Faculty Collaborative Research Lecture**
  OVPR will initiate the new Outstanding Faculty Collaborative Research Lecture, designed to recognize the research achievements of up to five Bloomington faculty members whose collaboration has generated new approaches to research.

• **Research Space**
  A research space plan that includes campus needs over the next decade will be presented to the provost for incorporation into the overall strategic plan for the IU Bloomington campus.

• **Internal Funding Programs**
  We are reconstituting OVPR’s Faculty Research Support Program to mirror federal agency competitions. In addition, we will review all OVPR internal funding programs that have not been reviewed in the past five years to ensure that campus resources are utilized most effectively.

• **Team Science**
  A new speaker series will be developed and faculty teams will be convened to encourage synergies around important research areas such as diabetes, obesity, and cancer.

• **Proposal Development Services**
  The OVPR Proposal Development Services group will expand workshop offerings to help faculty—both multidisciplinary groups and individuals—find and secure external funding.
Research video series features IU Bloomington’s “Brilliant Minds”

In its continuing effort to broadly share the research and creative accomplishments of IU Bloomington faculty, OVPR launched the “Brilliant Minds” series of videos in FY2012–13. These short two- to three-minute films, produced in collaboration with IU Communications visual and audio specialists, showcase conversations with faculty at work on the IU Bloomington campus. So far, the series has featured Susan Seizer, associate professor of communications and culture in the College of Arts and Sciences; Rowland Ricketts, assistant professor of textiles in the Henry Radford Hope School of Fine Arts; Erin Carlson, assistant professor of chemistry in the College of Arts and Sciences; and Juergen Schieber and David Bish, both professors in the Department of Geology in the College of Arts and Sciences.

The series may be viewed through the IU Bloomington research site at research.iub.edu. A second series of videos is planned for 2014.

OVPR expands support for proposal development

Now in its second year, OVPR’s Proposal Development Services (PDS) is furthering its work to help IU Bloomington faculty find and secure funding. In FY2012–13, PDS supported 83 proposals. Expanding its efforts beyond direct proposal support, PDS presented more than 20 workshops to more than 200 participants, including a workshop on preparing National Science Foundation Faculty Early Career Development CAREER program applications. Fourteen IU Bloomington faculty submitted applications to the NSF’s CAREER program, of which five were funded.

Enhancing health-related research

Working with IU Bloomington provost and deans, OVPR led campus efforts to enhance health-related research at IU Bloomington and in the new IU School of Public Health—Bloomington, which was established in 2012. Together, OVPR and the School of Public Health hosted seven faculty meetings to discuss future funding opportunities and ways to develop active and strong research programs. Specific areas of research excellence have been identified, including the study of obesity and its complications, environmental health and the human environment, and the study of addictive behaviors.

IU Bloomington faculty publications

In Fiscal Year 2012–13, faculty at IU Bloomington produced more than 560 books and chapters published by presses such as Cambridge University Press, Harvard University Press, Oxford University Press, and Princeton University Press. The faculty also published more than 1,700 research articles in journals such as Nature, Science, Proceedings of the National Academy of Sciences, Management Science, Psychological Science, American Historical Review, and American Journal of Sociology.
ICTSI at IU Bloomington

Established in 2008, the Indiana Clinical Translational Sciences Institute, led by Anantha Shekhar of the IU School of Medicine, is a statewide collaboration of Indiana University, Purdue University, and the University of Notre Dame, as well as other partners. Founded with funding from the National Institutes of Health, the ICTSI facilitates the translation of scientific discoveries from the laboratory into clinical trials and new patient treatments.

On the IU Bloomington campus, faculty pursue research in several important ICTSI-related areas including vision, brain, and hearing sciences; sexual behavior and health; public health; health economics; health informatics; genomics; biochemistry; virology; and proteomics.

New ICTSI activities at IU Bloomington include developing cores for biostatistics, epidemiology, and virology; enhancing existing campus strengths in genomics, proteomics, and metabolomics, as well as capabilities in imaging, informatics, and the use of model organisms; and providing leadership in the development of an ICTSI research group focusing on systems biology and -omics.

In 2012–13, OVPR identified Yvonne Lai (yllai@indiana.edu) as its IU Bloomington “navigator” to support campus research scientists in accessing ICTSI resources such as core facilities and research funding opportunities.

Social Science Research Commons opens

A new Social Science Research Commons (SSRC) in Woodburn Hall 200 is now open. Located in the heart of campus, the SSRC is housed in the remodeled former library of Woodburn Hall and is intended to foster collaboration and facilitate research that addresses complex data-intensive questions. The facility offers a full-service hub for IU Bloomington social scientists, providing technical and physical infrastructure tailored to the needs of social scientists and their collaborators.

Resources include advanced information technology, data access and management, training in methods and research design, and grant proposal and award support. The Workshop in Methods and Indiana Statistical Consulting Center are co-located in the SSRC. The facility is supported by the College of Arts and Sciences and the Offices of the Provost, Vice President for Information Technology, and Vice Provost for Research.
New leadership for OVPR centers, institutes, museums

Centers, institutes, and museums form an important part of the intellectual atmosphere and research culture on the IU Bloomington campus. OVPR research centers, which involve faculty from multiple schools, facilitate the pursuit of multidisciplinary research projects intended to maximize the potential for attracting external funding. OVPR currently oversees 19 campus centers.

In FY2012–13, OVPR initiated a number of searches to replace outgoing directors, with the following directors successfully appointed:

• Jason Jackson, Mathers Museum of World Cultures
• Eileen Julien, Institute for Advanced Study
• Scott Michaels, Center for Genomics and Bioinformatics
• April Sievert, Glenn Black Laboratory for Archaeology

Searches for new directors at the Kinsey Institute for Research in Sex, Gender and Reproduction; the Poynter Center for the Study of Ethics and American Institutions; and the Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis are expected to be complete by the end of FY2013–14.

Associate vice provosts appointed

OVPR has appointed two new associate vice provosts who work with OVPR centers, institutes, museums, and campus faculty to develop research and creative activities. They are Patricia L. Foster, professor of biology and associate vice provost for the sciences, and Terry Mason, professor of curriculum studies, and associate vice provost for the social sciences. Ruth Stone, the Laura Bolton Professor of folklore and ethnomusicology, continues as associate vice provost for arts and humanities.

Media Preservation and Access Center to be established

Following several years of study and planning by OVPR, Office of the Provost, College of Arts and Sciences, IU Libraries, and UITS, a new center for preserving audio, video, film, and other media will be established at Indiana University. Under the auspices of the IU Media Preservation Initiative, two internationally recognized reports by IU Bloomington faculty and staff were published in 2009 and 2011. The reports identified an urgent and significant need to preserve IU’s wide array of special collections, including more than 500 unique Orson Welles radio broadcasts and more than 6,000 cylinder recordings of Native Americans from as early as the 1890s. Such special collections are historically significant, carry enduring research value, and are particularly vulnerable because of rapidly deteriorating conditions, obsolete formats, and the unavailability of playback machines.

The new center, to be known as the Indiana University Media Preservation and Access Center, will enable scholarly access to media collections being digitized under the Media Digitization and Preservation Initiative, established by IU President Michael McRobbie to digitize, preserve, and make universally available all media objects on all campuses of IU judged by experts as important to preserve.
**2012–13 Budget, Office of the Vice Provost for Research**

| Research Centers and Institutes, $3,551,608; 28% |
| Research Development and Administration, $2,345,555; 18% |
| Faculty Research Support—OVPR Major Research Support Programs (1), $6,179,165; 48% |
| Faculty Research Support—OVPR Major Research Support Programs (2), $596,237; 5% |
| Research Compliance/Lab Animal Resources, $155,225; 1% |

**Total 2012–13 Budget** $12,827,790 100%

(1) Major Programs include Faculty Startup, Faculty Research Support Program (FRSP), Grant Matches, Bridge Funding, and other research initiatives.

(2) Other Research Support Programs include Research Leave Supplements, Summer Stipends for Collaborative Research & Creative Activity, Faculty Grant-in-Aid for Research, and Intercampus Research Fund.

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**Awards received by IU Bloomington, 2008–13**

- 2008–2009: $137,877,251
- 2009–2010: $157,965,459
- 2010–2011: $132,569,507
- 2011–2012: $166,737,708
- 2012–2013: $117,790,295

* American Recovery and Reinvestment Act

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**External awards and expenditures by unit, 2012–13**

Research expenditures refers to total spending on projects funded by external grants and contracts during the fiscal year.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Number of Proposals</th>
<th>Number of Awards</th>
<th>Awards</th>
<th>Expenditures</th>
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<td>Arts &amp; Sciences</td>
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<td>408</td>
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<td>762</td>
<td>$117,790,295</td>
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Traditions of Excellence at IU Bloomington, 2012–13

Fulbright Scholars

- László Borhi, visiting scholar of Central Eurasian Studies, College of Arts and Sciences
- Vincent Liotta, professor of opera studies, Jacobs School of Music
- Lars Willnat, professor of journalism, School of Journalism

American Academy for the Advancement of Science Fellows

- James Bever, professor of biology, College of Arts and Sciences
- Yves Brun, Clyde Culbertson Professor of biology, College of Arts and Sciences
- Gregory Demas, professor of biology, College of Arts and Sciences
- William “Clay” Fuqua, professor of biology, College of Arts and Sciences
- David Giedroc, professor and chair of chemistry, College of Arts and Sciences
- James Goodson, professor of biology, College of Arts and Sciences
- Julia Heiman, professor of psychological and brain sciences, College of Arts and Sciences; director of the Kinsey Institute for Research in Sex, Gender, and Reproduction (OVPR center)
- Karen Kafadar, Rudy Professor of statistics, College of Arts and Sciences
- Dennis Peters, Herman T. Briscoe Professor of chemistry, College of Arts and Sciences
- Eliot Smith, War Years Chancellor’s Professor of psychological and brain sciences, College of Arts and Sciences

John Simon Guggenheim Foundation Fellowships

- James Bever, professor of biology, College of Arts and Sciences
- Robert Fulk, Class of 1964 Chancellor’s Professor of English; adjunct professor, Department of Germanic Studies, College of Arts and Sciences
- Ross Gay, assistant professor of English; associate director of the Creative Writing Program, College of Arts and Sciences
- David Haberman, professor of religious studies, College of Arts and Sciences
- Bill Johnston, professor of comparative literature, College of Arts and Sciences

American Academy of Arts and Sciences

- Richard G. Lugar, Distinguished Scholar and Professor of Practice, School of Global and International Studies (College of Arts and Sciences)