MISSION

The primary mission of the Office of the Vice Provost for Research is to serve the faculty at Indiana University, and in particular, at IUB, by facilitating ongoing research and creative activity, incubating new initiatives, and maximizing the potential of Indiana University faculty to accomplish pathbreaking work. The OVPR provides funds and infrastructure to enhance faculty opportunities for federal, state, and private support.

We accomplish this mission by:

- Fostering a supportive climate and providing opportunities for faculty to engage in new activities that lead to disciplinary and multidisciplinary research, creative activity, and scholarship
- Identifying additional appropriate funding vehicles and projects for collaboration
- Providing seed funds for projects that may be higher risk
- Providing bridge funds between grant cycles on external funded projects
- Providing leadership in developing research infrastructure
Accomplishments & Highlights

OVPR promotes collaboration broadly through the 30 multidisciplinary centers and institutes under its direction. In Fiscal Year 2007–08, OVPR was instrumental in launching four infrastructure centers that demonstrate ongoing commitment to removing impediments and creating opportunities for collaborative large-scale multidisciplinary research. These centers are the Bureau for Social Sciences Research, now affiliated with the Consortium for Education and Social Sciences Research (CESSR), the Center for Research in Environmental Sciences (CRES), the Institute for Digital Arts and Humanities (IDAHI), and the Light Microscopy Imaging Center (LMIC).

Through its internal funding programs, OVPR encourages research and creative activity developed by individuals and teams of researchers from varied schools and academic units. OVPR’s internal funding programs include the Faculty Research Support Program, the Institute for Digital Arts and Humanities Fellowships, Summer Faculty Fellowships, the Grant-in-Aid programs, the Bridge Funding program, and the universitywide New Frontiers in the Arts & Humanities.

In the OVPR, our foremost goal is to use all available resources and facilities to spur and increase faculty competitiveness in securing external federal, state, and private funding.
Recent accomplishments and highlights include:

**AGENCIES**

This past year has afforded OVPR the opportunity to host a number of key personnel from external granting agencies. These opportunities have been used to provide a venue for faculty from many disciplines to talk about their research, learn more about key funding opportunities, and identify other faculty who have interest in collaboration. Key visitors to IUB:

- Dr. Robin Staffin, Director for Basic Research at the U.S. Department of Defense, who gave a presentation on basic research at the DOD and met with a group of faculty, chairs, and research deans
- Patrick Gallagher, Director at the National Institute of Standards and Technology (NIST), who spoke with faculty about new research initiatives including collaborative and training opportunities
- Dr. Raymond Orbach, Under Secretary for Science at the Department of Energy, who visited for two days to talk about funding priorities and listen to faculty ideas on energy research.

**INSTITUTE FOR THE DIGITAL ARTS AND HUMANITIES**

The Institute for Digital Arts and Humanities (IDAH) links the expertise of the faculty from the School of Informatics and Computer Science, School of Library and Information Science, and highly qualified professional staff at the Digital Library Program and University Information Technology Services with arts and humanities faculty to redefine research and scholarship in the arts and humanities on the IU Bloomington campus. IDAH participants work in interdisciplinary teams on collection-building, tool-building, and the development of appropriate methods for study and analysis of data. Since its beginnings in 2008, the institute has developed state-of-the-art work space for staff and fellows in the Wells Library, including a conference room offering high-definition videoconferencing with a high-definition projector system.

In its first year, the scholars associated with IDAH successfully competed for more than $350,000 in external and internal grant funding to support their work. In spring 2009, IDAH announced its second class of fellows, bringing the core of active faculty at the Institute to eight.

IDAH also serves as a center for collaboration among faculty already pursuing existing projects in expressive culture, such as:

- CAMVA (Central American Video Archive)—an archive of the cultural history of Central America
- Kelley (School of Business) Direct—online instruction
- Indiana University Press, Temple University Press, Kent State University Press—for presentation of video and audio resources to supplement printed text
- Sound Directions—digital preservation for global audio heritage
- EVIA—Ethnographic Video for Instruction and Analysis

These collaborations received ~ $54,000 in external funds in 2008–09. IDAH has submitted joint grant proposals.
applications with these projects that, if funded, would realize ~ $400,000 in external support in 2009–10.

**Center for Research in Environmental Sciences**

During its first year of operation, the multidisciplinary Center for Research in Environmental Sciences (CRES) has served effectively as an umbrella organization at Indiana University, facilitating communications and building a more integrated multidisciplinary research community in environmental sciences across various departments of the College of Arts and Sciences, SPEA, IUPUI, and other units in the IU system. It provides environmental scientists at IUB with a collaborative and supportive environment to develop multidisciplinary projects that enhance environmental science research at IU. One major accomplishment was the groundbreaking for the new field lab at the IU Research and Teaching Preserve, which was partially funded through a grant from the National Science Foundation and through the CTE program.

**Center for Research on Energy and the Environment**

The multidisciplinary Center for Research on Energy and the Environment (CREE) has emerged out of efforts by the School of Public and Environmental Affairs to launch a research center focused upon energy science and policy. While there is considerable scientific and policy research in the area of energy and related issues, the current challenges posed by global climate change require a multidisciplinary and collaborative approach. Toward this end, IUB established the Center for Research in Energy and the Environment and is currently collaborating with the Richard G. Lugar Center for Renewable Energy at IUPUI and Purdue University under the newly created Indiana Consortium for Research in Energy Systems and Policy (CRES). Collaborators also include faculty from the College of Arts and Sciences, SPEA, the Kelley School of Business, and the Maurer School of Law.

**Consortium for Education and Social Science Research**

The new Consortium for Education and Social Science Research was founded in July 2009 to provide a structure for social sciences researchers that will better coordinate and enhance the support necessary for continued growth in external funding. The consortium emerged out of the Bureau for Social Science Research as a more ambitious vehicle through which the campus can realize greater efficiency, better leveraging of resources, and an improved climate for social sciences research at Indiana University. CESSR will serve as a coordinating, collaborative body that is composed of both campus-level (i.e., OVPR) and unit-based (e.g., Education, COAS, HPER) centers, institutes, and programs. Key players in the consortium include the Center for Survey Research (CSR), the Center for Evaluation and Education Policy (CEEP) in the School of Education, and the Indiana Institute on Disability and Community, all at IUB.

**Bureau of Social Science Research**

The Bureau of Social Science Research (BSSR), approved as an OVPR research infrastructure center in July 2007, has provided grant-writing support services to more than 50 faculty from the College of Arts and Sciences, including the departments of Economics, Political Science, Sociology, Speech and Hearing, Telecommunications, and Criminal Justice, in addition to faculty from HPER, Education, and the Kelley School of Business. Five proposals were funded in 2008–09, ranging from two small grants to support graduate student research to Professor Clem Brooks in Sociology (NSF - $175K) and Professor Rubiana Chamargagwala in Economics (NIH - $151K).

**Mellon Emeritus Fellowship Program**

In 2007–08 the Andrew W. Mellon Foundation invited the Bloomington campus to participate in the
Mellon Emeritus Fellowship Program for the fourth consecutive year. The Mellon Emeritus Fellowships is a limited submission program for retired faculty members in the humanities and humanistic social sciences who are still active in research. During the four years we have been invited to participate in the program, eight of IU’s 12 nominees have received fellowships, a success rate of two out of every three nominees. The national rate is one of three. From 2004–05 through 2007–08, Indiana University ranked with Princeton and the University of Chicago as the universities with the most success in the Mellon Emeritus Fellowship competition.

New Frontiers in the Arts & Humanities Program

Designed to stimulate greater research and creative activity, New Frontiers has been funded by a five-year award of $1,000,000 per year from the Lilly Endowment. We are now in the fifth year of the award. The New Frontiers Program has been a powerful stimulus to the arts (studio and performing) and the humanities at Indiana University. Awards have been made to faculty members on all eight IU campuses. By the fall of 2007, awardees from the first two years, 2004–05 and 2005–06, had already produced eight published books with 33 more forthcoming, 37 artistic performances, four solo exhibitions, and 40 group exhibitions. They had already used their New Frontiers work to generate $1,967,769 in external funding. A brief follow-up survey of this same group in the fall of 2008 revealed an additional $216,500 of external funding, with another $505,000 worth of proposals under consideration. On the IU Bloomington campus, 241 faculty have received awards over the last five years of the program.

Intercampus Collaboration in Environmental Research

In 2008, with support from the Vice Provost for Research and the Interim Vice Chancellor for Research at IUPUI, the faculty from the two campuses developed and presented three collaborative projects to the IU President for his review. President McRobbie funded the three distinct, but interrelated projects with a concentration on environmental research.

The projects include prominent faculty from IUB and IUPUI and are focused on

1. sustaining water resources;
2. modeling the effects of climate change on developing energy systems; and
3. the use of genomic signatures in the study of environmental human health.

These projects will strengthen IU’s leverage to attract federal funding in environmental research.

Lab Animal Resources Program

The Lab Animal Resources Program (LAR) at IUB has undergone a transformation under new leadership for LAR. Close oversight from federal regulatory agencies continued this past year with the program receiving high marks. Considerable work remains to be done within the lab animal research program on campus, particularly in the areas of management of facilities and oversight of the program. A set of recommendations for management and oversight were developed by a campus committee, approved by the Provost, and are currently being implemented. These approved best practices include the establishment of a campus lab animal program with oversight that is centrally managed by LAR, the appointment of an LAR Animal Facilities Users Advisory Committee, and a restructuring of the funding model for the program.

Limited Submission Program

The Limited Submission Program has vastly improved. The research Web site better clarifies the role of Limited Submissions, identifies the processes of Limited Submissions for campus and systemwide funding opportunities, and lists a campus representative and contact information for each campus. The capability to indicate whether opportunities are open or closed for all IU campuses has been added to the site, allowing IUPUI to establish its own internal deadline.

Improvements were made to the review process for both campus and systemwide limitations well before the recent activity from stimulus funding opportunities. All campuses have their own review committees and accept applications for “per campus” and “per system” competitions. For “per campus” programs, they will select and direct the successful applicant to move forward. For the “per system” programs, they will forward the selected campus candidate(s) to Limited Submissions for a final universitywide competition. Other campuses will be asked to recommend a representative to help in the final review process when a candidate is sent forward to the systemwide review.
External Funding for Bloomington Campus
FY2004–05 through 2008–09 as of July 24, 2009

* Awards from the Lilly Foundation to IUB are responsible for the funding spikes in FY2004–05 ($56 million for the Indiana Metabolomics and Cytomics Initiative (META-Cyt) and FY2007–08 (a total of $69 million for the Jacobs School of Music and Maurer School of Law). Lilly awarded IUB $2.75 million in FY2008–09. Excluding these Lilly grants, the increase in external funding for FY2008–09 over the previous three fiscal years is significant.

by Academic Unit FY2004–05 through 2008–09

<table>
<thead>
<tr>
<th></th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts &amp; Sciences</td>
<td>$57,688,004</td>
<td>$61,057,333</td>
<td>$55,727,884</td>
<td>$55,239,445</td>
<td>$65,785,126</td>
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<tr>
<td>Business</td>
<td>$2,490,944</td>
<td>$1,567,892</td>
<td>$3,766,051</td>
<td>$2,299,649</td>
<td>$5,914,958</td>
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<tr>
<td>Education</td>
<td>$12,784,125</td>
<td>$11,748,230</td>
<td>$13,650,678</td>
<td>$16,196,394</td>
<td>$16,075,158</td>
</tr>
<tr>
<td>HPER</td>
<td>$4,851,304</td>
<td>$5,635,157</td>
<td>$9,282,807</td>
<td>$10,796,717</td>
<td>$11,997,675</td>
</tr>
<tr>
<td>Informatics</td>
<td>$2,445,627</td>
<td>$2,813,741</td>
<td>$2,480,522</td>
<td>$3,989,575</td>
<td>$3,340,349</td>
</tr>
<tr>
<td>Journalism</td>
<td>$120,655</td>
<td>$213,689</td>
<td>$761,827</td>
<td>$25,018,000</td>
<td>$36,334</td>
</tr>
<tr>
<td>Law</td>
<td>$10,000</td>
<td>$10,000</td>
<td>$761,827</td>
<td>$25,018,000</td>
<td>$36,334</td>
</tr>
<tr>
<td>Library</td>
<td>$459,430</td>
<td>$1,376,754</td>
<td>$88,349</td>
<td>$67,046</td>
<td>$514,592</td>
</tr>
<tr>
<td>Music</td>
<td>$14,922</td>
<td>$14,922</td>
<td>$67,046</td>
<td>$514,592</td>
<td></td>
</tr>
<tr>
<td>Optometry</td>
<td>$2,303,411</td>
<td>$5,244,450</td>
<td>$3,630,110</td>
<td>$4,634,565</td>
<td>$4,024,596</td>
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<tr>
<td>Other Acad</td>
<td>$12,384</td>
<td>$12,384</td>
<td>$12,384</td>
<td>$12,384</td>
<td></td>
</tr>
<tr>
<td>SLIS</td>
<td>$1,279,178</td>
<td>$2,292,110</td>
<td>$574,909</td>
<td>$762,007</td>
<td>$611,415</td>
</tr>
<tr>
<td>SPEA</td>
<td>$10,667,847</td>
<td>$9,640,093</td>
<td>$3,681,638</td>
<td>$4,306,283</td>
<td>$2,774,426</td>
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<tr>
<td>VP Research</td>
<td>$94,429,827</td>
<td>$19,471,321</td>
<td>$19,169,002</td>
<td>$19,818,004</td>
<td>$22,789,521</td>
</tr>
</tbody>
</table>

*Represents a 15% increase from FY2008 to FY2009 in the dollar amount of external funding for the Office of the Vice Provost for Research and its centers and institutes, including an increase in indirect cost recovery of 35%.
External Funding for OVPR
FY2004–05 through 2008–09

In FY2004–05, OVPR received $56 million from Lilly for the METACyt initiative. The funding since FY2005-06 is generated solely by the OVPR centers and institutes, except for externally funded scholarship and fellowship programs managed by OVPR. In 2008–09 OVPR’s external funding increased by 15% over 2007–08.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Total Direct</th>
<th>Total Indirect</th>
<th># of School Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts &amp; Sciences</td>
<td>$7,345,418</td>
<td>$2,110,191</td>
<td>24</td>
</tr>
<tr>
<td>Education</td>
<td>$646,519</td>
<td>$53,223</td>
<td>1</td>
</tr>
<tr>
<td>Law</td>
<td>$59,258</td>
<td>$0</td>
<td>1</td>
</tr>
<tr>
<td>OVPR (Staff)</td>
<td>$9,126,726</td>
<td>$476,670</td>
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</tbody>
</table>

FY2008–09

<table>
<thead>
<tr>
<th>Unit</th>
<th>Total Direct</th>
<th>Total Indirect</th>
<th># of School Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arts and Sciences</td>
<td>$8,903,312</td>
<td>$2,295,991</td>
<td>22</td>
</tr>
<tr>
<td>Education</td>
<td>$3,740,815</td>
<td>$203,383</td>
<td>3</td>
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<tr>
<td>Law</td>
<td>$30,000</td>
<td>$0</td>
<td>1</td>
</tr>
<tr>
<td>*OTHER</td>
<td>$7,576</td>
<td>$2,424</td>
<td>1</td>
</tr>
<tr>
<td>OVPR (Staff)</td>
<td>$6,850,797</td>
<td>$1,055,223</td>
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</tbody>
</table>

* $7,576 from the NEA for the IU Art Museum
OVPR Centers and Institutes

FY2007–08 and 2008–09

Breakdown by Humanities/Arts, Sciences, Social Sciences, and OVPR

**Humanities/Arts**

- FY07–08 Awd Tot: $1,883,610
- FY08–09 Awd Tot: $3,576,798

**Sciences**

- FY07–08 Awd Tot: $9,878,882
- FY08–09 Awd Tot: $11,509,680

**Social Sciences**

- FY07–08 Awd Tot: $7,670,012
- FY08–09 Awd Tot: $7,560,043

**OVPR**

- FY07–08 Awd Tot: $385,500
- FY08–09 Awd Tot: $143,000

**SOCIAL SCIENCES.** The Bureau of Social Science Research (BSSR) supported the development of proposals that totaled $13 million. To distribute ICR to the academic units, the proposals in FY2008–09 were submitted through the originating academic unit rather than through BSSR.

**OVPR.** These awards represent funding from The Andrew W. Mellon Foundation Emeritus Fellowships, the U.S. Department of Education McNair Scholars Program, and the National Science Foundation Graduate Research Fellowship Program.
Internal Funding for Bloomington Campus

New Frontiers in the Arts & Humanities
FY2006–07 through 2008–09
Combines New Frontiers, ETF, New Perspectives, and Visiting Visionary Scholars

Because the figures in the table below represent only IU Bloomington campus awards, the funding levels reflected in this table are less than $1 million per fiscal year.

<table>
<thead>
<tr>
<th></th>
<th>FY2006–07</th>
<th>FY2007–08</th>
<th>FY2008–09</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL $</td>
<td>$662,192</td>
<td>$711,263</td>
<td>$546,014</td>
</tr>
<tr>
<td>TOTAL #</td>
<td>52</td>
<td>42</td>
<td>40</td>
</tr>
<tr>
<td>AVERAGE</td>
<td>$12,734</td>
<td>$16,935</td>
<td>$13,650</td>
</tr>
</tbody>
</table>

Faculty Research Support Program
FY2006–07 through 2008–09

In FY2006-07, the high quality of proposals from IUB faculty led OVPR to make a larger investment in FRSP. This commitment involved allocating some funds from FY2007–08 to FY2006–07. The decrease in FY2008–09 FRSP funding reflects the reallocation of $500,000 from FRSP to the newly created Bridge Funding program.

<table>
<thead>
<tr>
<th></th>
<th>FY2006–07</th>
<th>FY2007–08</th>
<th>FY2008–09</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL $</td>
<td>$1,882,847</td>
<td>$1,749,677</td>
<td>$1,079,675</td>
</tr>
<tr>
<td>TOTAL #</td>
<td>32</td>
<td>23</td>
<td>19</td>
</tr>
<tr>
<td>AVERAGE</td>
<td>$58,839</td>
<td>$76,073</td>
<td>$56,825</td>
</tr>
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</table>

Bridge Funding
FY2007–08 and 2008–09

Bridge funding is used when externally funded research programs are between grant cycles. Out of the 16 bridge-funded faculty, 50% have already been successful in renewing their grants. The others have applications pending.

<table>
<thead>
<tr>
<th></th>
<th>FY2007–08</th>
<th>FY2008–09</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL $</td>
<td>$466,749</td>
<td>$214,485</td>
</tr>
<tr>
<td>TOTAL #</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>AVG</td>
<td>$46,675</td>
<td>$35,748</td>
</tr>
</tbody>
</table>
Research Leave Supplements (RLS) and Summer Faculty Fellowships (SFF)
FY2006–07 through 2008–09 Total Funding in Dollars

Research Leave Supplements (RLS) are meant to lessen the financial sacrifice for faculty and librarians whose awards provide less than their regular academic salaries and who cannot use sabbatical support to help make up the difference. Summer Faculty Fellowships enable tenured or tenure-track faculty and research scientists to work full-time on research or creative activities during the summer to stimulate further development of important research and scholarly endeavors.

<table>
<thead>
<tr>
<th></th>
<th>FY2006–07</th>
<th>FY2007–08</th>
<th>FY2008–09</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLS TOTAL $</td>
<td>$130,400</td>
<td>$122,446</td>
<td>$144,824</td>
</tr>
<tr>
<td>SFF TOTAL $</td>
<td>$112,000</td>
<td>$88,000</td>
<td>$104,000</td>
</tr>
</tbody>
</table>

RLS and SFF Total Number of Grants
FY2006–07 through 2008–09

<table>
<thead>
<tr>
<th></th>
<th>FY2006–07</th>
<th>FY2007–08</th>
<th>FY2008–09</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLS TOTAL #</td>
<td>9</td>
<td>10</td>
<td>7</td>
</tr>
<tr>
<td>SFF TOTAL #</td>
<td>14</td>
<td>11</td>
<td>13</td>
</tr>
</tbody>
</table>
Examples of external awards to faculty generated by work done with seed funding from OVPR internal grants

The National Endowment for the Humanities awarded $400,000 over two years to the Indiana Philosophy Ontology project (InPhO), directed by Colin Allen, professor in the Department of History and Philosophy of Science in the IUB College of Arts and Sciences. InPhO is creating interactive, digital tools to help students and scholars explore the discipline of philosophy. The Indiana Philosophy Ontology project was begun in spring 2006 with a $41,000 New Frontiers in the Arts and Humanities grant from the Office of the Vice Provost for Research. It received additional start-up funding from the NEH Digital Humanities Initiative.

Ann Elsner, director of IU’s Borish Center for Ophthalmic Research and founder of the start-up company Aeon Imaging LLC, received a $99,975 Faculty Research Support Program grant in fall 2006. Those funds have played an essential role in demonstrating IU’s institutional support as Elsner and her lab partners have made successful proposals to the National Eye Institute, the Biomedical Research Partnership Grant program, and other funders. The group has produced several grant proposals, Master’s theses, and Ph.D. dissertations.

FRSP awardees Karin James, Linda Smith, and Susan Jones, of the IUB Department of Psychological and Brain Sciences, received a $1 million grant from the NIH in early 2009 to study the role of developmental changes in how children learn about physical objects. The grant, which also provides support for graduate students, will allow their research to continue for five years. James and her colleagues received a $77,000 FRSP award in 2004–05.

A 2005–06 FRSP grant of $80,000 awarded to David Pisoni, Chancellor’s Professor of Psychological and Brain Sciences, provided support for the collection of preliminary data he has incorporated into a new NIH grant application for $3 million. Pisoni studies the neurocognitive processes underlying speech and language outcomes in prelingually deaf children following cochlear implants.

IUB Associate Professor of Fine Arts Osamu James Nakagawa received a Guggenheim Fellowship in April 2009. The fellowship will support Nakagawa’s work on images taken of the Okinawa, Japan, “suicide cliff” from which thousands plunged to their deaths at the end of World War II. Various grants from the Office of the Vice Provost for Research, including a New Frontiers award in 2004–05 and an FRSP award of $71,000 in 2007–08, have supported Nakagawa’s unusual photographic work, some of which have been recently acquired by the Metropolitan Museum of Art in New York, the Museum of Fine Arts Houston, and the Nelson Atkins Museum of Art in Kansas City.
Jeffrey Hass, IU professor of composition at the Jacobs School of Music, has received a Bogliasco Foundation Fellowship to study at the Liguria Center for the Arts and Humanities in Italy. Hass, who also serves as director of the Center for Electronic and Computer Music at the Jacobs School, will begin the fellowship in September 2009. The fellowship announcement follows other honors for Hass, including first prize and an orchestral commission for a work for the 2009 Utah Arts Festival in Salt Lake City and a piece accepted for performance at the 2009 conference of the International Computer Music Association in Montreal. A $19,000 New Frontiers in the Arts and Humanities grant is enabling Hass to work intensively on “Together and Apart,” his third symphony for orchestra, electronics, and video.

Hass has received multiple awards from the New Frontiers program for his interactive music composition that include a 2006 New Frontiers grant of $46,000, shared with IU collaborators Elizabeth Shea and Robert Shakespeare, and Exploration Traveling Fellowships in 2008 ($1,800) and 2009 ($2,500).

External Awards to Faculty at IUB Generated by Seed Funding from OVPR Internal Grants
FY2004–05 through 2008–09

<table>
<thead>
<tr>
<th>Source</th>
<th>Total # of internal grants funded FY2004–05 through 2008–09</th>
<th>Total amount of internal funding FY2004–05 through 2008–09</th>
<th>External funding, number of grants FY2007–08 through 2008–09</th>
<th>Amount of external funding generated</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRSP</td>
<td>130</td>
<td>$8,188,492</td>
<td>83</td>
<td>$41,870,726</td>
</tr>
<tr>
<td>NF</td>
<td>241</td>
<td>*$3,427,144</td>
<td>3</td>
<td>**$1,044,353</td>
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<tr>
<td>TOTAL</td>
<td>371</td>
<td>$11,615,636</td>
<td>86</td>
<td>$42,916,079</td>
</tr>
</tbody>
</table>

* represents five years of the program
** represents first two years of the program

“Magnetic Resonance Music” the second movement from The Nature of Human
As OVPR continues its work to realize its overall goal of facilitating research development and enhancing support for IU research, the office is spearheading a variety of plans to capitalize on existing strengths, realize greater efficiencies, and increase faculty awareness and access to resources.

**American Recovery and Reinvestment Act (ARRA)**

The recent ARRA legislation provides an unprecedented level of funding to help stimulate the U.S. economy through the support and advancement of scientific research. Funding is being sought for new areas of research; for construction, repairs, and alterations of research facilities; and for shared instrumentation and other capital equipment to support research activities. IU is effectively taking advantage of the available opportunities provided by agencies such as the NIH and NSF. Nearing the end of July, IU has submitted a total of 486 proposals of which 25 totaling nearly $9.4M have been awarded. Of the 20 NIH awards, 13 are new awards (4 R01, 7 R21, 1 R03 and 1 F32). IUPUI and IUB have received 64% ($6.7M) and 32% ($2.6M) respectively.

Many of the ARRA construction programs limit the number of proposals that will be accepted. When this is the case, OVPR identifies and distributes the details of these programs and handles an internal review and selection process for each to determine who will represent the university. To date, nine proposals have been submitted to NIH, NSF, NCRR, and NIST with a requested total of $95M to improve or construct new research facilities for IUB, IUPUI, IUE, IUN, and IUSB. Eight more proposals have been selected through internal competition and will be submitted by the middle of September.

**Energy Research**

Indiana University has important research and teaching activities underway that address challenges in the acquisition and use of energy around the world.

This work is being conducted by individual faculty and through research centers such as the Lugar Center for Renewable Energy, the Center for Research in Energy and the Environment, the Center for Research on Environmental Sciences, and the IU Nanoscience Center.

In early August, OVPR, in concert with the Office of the Vice Chancellor for Research at IUPUI, will host a two-day workshop to begin the process of formulating a universitywide plan that addresses our current strengths and the challenges we face in energy research, education, and service activities.

We are currently in discussion with CIC institutions and Argonne to develop a Midwest alliance to be called the Great Lakes Alliance for Sustainability in Energy Research. Once established, this alliance intends to compete for large-scale funding for research, discovery, development, and deployment.

**Agencies**

The OVPR will continue to contact and learn more from major external funding agencies such as DOD, NIST, DOE, NSF, NIH, NEH, and NEA to help increase IU’s opportunities for acquiring large and small individual and multidisciplinary awards.

**Flexibility to fund strategic initiatives**

Working with faculty and schools, the OVPR will continue to address goals for individual and collaborative projects and commit matching funds as those projects align with strategic goals for the campus.

**Bridge Funding**

The objective of IUB’s new Bridge Funding Program is to provide modest financial support for faculty research and scholarship during times when externally funded research programs are between grant cycles. Funds are used to maintain research programs at a level adequate to ensure continuing viability of the research program and are based on a review of the funding history and potential for future funding. Funds are awarded on a rolling basis, generally in January.
March, June, September, and November. All bridge funding support is composed of matching or cost-sharing arrangements between the faculty member’s home department and/or school and the Office of the Vice Provost for Research.

**IU Bloomington Clinical Translational Science Institute (IUB partner of I-CTSI)**

This institute will serve as a home for the development and promotion of the new, cutting-edge translational science at IUB. The IUB CTSI will aggressively work to identify, consolidate, and amplify existing resources and create new resources for clinical translational science and training as well as serve to formally connect IUB with the NIH-funded Indiana CTSI housed within the School of Medicine in Indianapolis. More specifically, CTSI at IUB will promote research aimed at translating discoveries in basic science to the understanding, treatment, and prevention of human disorders as well as the development and implementation of evidence-based standards of practice and public health policy. It will also promote the training of cutting-edge doctoral-level specialists in clinical translational science who will be skilled at working fluidly across levels of analysis to conduct research that facilitates bench-to-bedside-to-community and community-to-bedside translation and discovery.

**Developing Eigenmann Hall as a major facility for non-laboratory research**

Research conducted outside of laboratories, such as social sciences research, is scattered and inadequately housed at IU Bloomington. To address this problem, we propose the development of Eigenmann Hall as the central location for research centers and support services that do not require specialized lab space. Research centers in the social sciences as well as other centers, such as a center for network science, could use this space. The ground and first floor could contain general services; the second floor could contain support services for research such as IT; and the upper floors could be used for research groups and centers, ideally housing related centers together on one floor. Moving research centers to Eigenmann could free critically needed academic space in the center of campus. A plan that rationally develops space to most effectively meet research needs, maximize efficiencies across units, and stimulate multidisciplinary research is key to the success of developing Eigenmann as prime research space.

Currently, a G20 proposal (ARRA) is being developed by health-related social scientists to renovate space in Eigenmann.

**New Frontiers in the Arts and Humanities Program**

In 2009–10 New Frontiers begins its second five-year cycle, with funding now coming from the President’s Office instead of the Lilly Endowment. The new cycle, announced by President McRobbie in October 2008, has provided an opportunity to make some revisions to the program, based on our experiences over the first five years. The New Frontiers, New Perspectives, and Exploration Traveling Fellowship components will continue as before, but Visiting Visionary Scholars has been eliminated as a separate component and subsumed under New Frontiers.

We believe the most far-reaching change is the creation of a new component, New Directions. Its goal is to encourage highly innovative (and correspondingly risky) collaborative projects. The collaborations will have to involve faculty members from traditional arts and humanities units and faculty members from units not traditionally associated with the arts and humanity-
ties. Our goal is to push the boundaries of the arts and humanities at IU by forging creative partnerships with the sciences, social sciences, and professions.

Other revisions include a reallocation of funding among the four components based on actual spending over the first five years and increased emphasis on the yearly theme (“The Environment and the Arts and Humanities” for 2009–10). There are also new incentives for awardees to use their New Frontiers funding as a foundation for seeking external grants to support their work. Finally, to assist first-time applicants, especially junior faculty members, we have put together a web page of highly ranked proposals from recent years, along with their reviews.

President McRobbie’s renewal of New Frontiers for a second five-year cycle was very welcome news to faculty members in the arts and humanities. If we look beyond the next five years, however, OVPR’s goal is to make the program permanent. The next step, then, is to create a $20 million endowment for the arts and humanities that would generate the current level of funding of $1 million in grants per year. We have begun to assemble the information to put together a compelling case that could be taken to potential donors.

Enhance and preserve IUB Special Collections

The centers and institutes that report to the OVPR create and maintain important special collections that enhance the research conducted by students and faculty at IU and around the world. These centers promote the multidisciplinary research that is OVPR’s primary focus, and we will work through these centers to enhance the preservation and uses of IU’s varied special collections. By fostering collaboration among special collection units, the larger research effort at IU and opportunities for attracting larger grants will be strengthened. We have already begun these efforts with a Media Preservation Survey of special collections of all kinds across the IUB campus, designed to determine the scope of the archival preservation challenge at IUB. Funded by OVPR, this survey has taken place throughout the 2008–09 academic year.