IU School of Medicine receives $60 million grant from Lilly

Physician Scientist Initiative receives grant money

The Lilly Endowment Inc. has presented the IU School of Medicine with a $60 million grant to help accomplish the mission of the Indiana Physician Scientist Initiative. The Initiative will promote the development of important scientific discoveries in the laboratory, determine how those discoveries could improve human health, then help turn them into new products and treatments that benefit patients and produce new businesses and jobs.

The primary activities of the Indiana Physician Scientist Initiative will be:

- To recruit 20 top physician scientists to the IU School of Medicine with an investment of $37.5 million.

- To train the next generation of physician-researchers by strengthening the school’s MD/PhD education program - the Medical Scientist Training Program.

- To invest $6 million in the Indiana Biobank, which will house the biological samples that provide genetic and other information necessary to conduct modern biomedical research.

For more information on the activities and goals of the Initiative, please go to: http://newsinfo.iu.edu/news/page/print/12914.html

Riley Hospital receives $8.5 million grant

A grant from the National Center for Research Resources of the NIH will enable the IU School of Medicine to transform a former research floor of Riley Hospital into the pediatric clinical research center.

The project comes as the NIH and the Food and Drug Administration, recognizing that children are under-represented in clinical research, are encouraging investigators to include more children in clinical trials and will
dramatically improve the process of turning the results of laboratory research into new treatments for sick children.

For more information, please go to:

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Two Rudy Professors collaborate on Army Research Project

Stanley Wasserman (BL), Rudy Professor of Psychological and Brain Sciences and of Sociology and Rudy Professor of Statistics and Alessandro Vespignani (BL), Rudy Professor of Informatics, will work with researchers from 10 other universities and companies on a 10-year $35.5 million Army Research Laboratory study of social networks.

The two Rudy Professors will focus on dynamic processes in networks and also on the study of organizational networks and how knowledge, particularly in the Army, is spread from peer to peer in the modern military.

To find out more about the study, go to:
http://newsinfo.iu.edu/news/page/print/14216.html

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Alliance members elected to academies, society

Yves Brun (BL), Clyde Culbertson Professor of Biology, was elected a fellow of the American Academy of Microbiology. Fellows are elected each year “through a highly selective, peer-review process based on their records of scientific achievement and original contributions that have advanced microbiology” according to the Academy.

For more information on Professor Brun and the award, please go to:
http://homepages.indiana.edu/web/page/normal/13510.html

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J. Michael Dunn (BL), Oscar R. Ewing Professor Emeritus of Philosophy, and Jaime Laredo (BL), Linda and Jack Gill Chair in Violin, Jacobs School of Music, have been elected to the American Academy of Arts and Sciences.

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Professor Dunn is a founding member of IU’s Cognitive Science Program and founding dean of the IU School of Informatics. Professor Laredo joined the IU Jacobs School of Music in 2005 after more than 40 years in music as a solo violinist, conductor, recitalist and chamber musician.

For more information, go to:
http://newsinfo.iu.edu/news/page/print/12832.html

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Ellen Ketterson (BL), Distinguished Professor, has been elected to the American Association for the Advancement of Science. According to the AAAS press release, honorees are selected for “their scientifically or socially distinguished efforts to advance science or its applications.” She was chosen for her “contributions to novel research in animal behavior and evolutionary biology, especially for experimental field research involving 'phenotypic engineering.'”

For more information, please go to:
http://newsinfo.iu.edu/news/page/print/12832.html

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Emilio Moran (BL), Distinguished Professor and
James H. Rudy Professor of Anthropology, has been elected to the National Academy of Sciences. He is an internationally recognized ecological and environmental anthropologist whose research has focused on aspects of the human dimensions of environmental change.

For more information, please go to:
http://newsinfo.iu.edu/news/page/print/14294.html

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Loren Rieseberg (BL), Distinguished Professor, Department of Biology, has been elected a 2010 fellow of the Royal Society, the United Kingdom’s largest and most important academy of sciences for his “fundamental contributions to our understanding of speciation mechanisms and the evolution of local adaptation.” Membership in the Royal Society is considered a major honor in the natural sciences.

For more information, please go to: http://newsinfo.iu.edu/news/page/normal/14582.html

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Alliance to work with President’s office on honorific academies and societies nominations

President McRobbie has asked the Alliance Steering Committee to work on promoting more IU membership in honorific academies and societies.

William Tierney, MD (IN), Chancellor’s Professor and Joseph J. Mamlin Professor of Medicine, has put together a package of information which has been sent to President McRobbie for his approval. This information will then be sent to all school Deans with instructions on the nomination process. The Alliance office will be responsible for following up with each Dean to make sure the process is moving along.

Note: The Alliance owes a big “thanks” to Professor Tierney for all the work he put into gathering this information.

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KSOB entrepreneurship receives top rating

Fortune magazine rated IU’s Kelley School of Business entrepreneur program among the top five nationally. In its March 22 issue, it listed IU’s Kelley School as No. 2 overall and the No. 1 public university for educating entrepreneurs.

Donald F. Kuratko (BL), Jack M. Gill Chair of Entrepreneurship and executive director of the Johnson Center for Entrepreneurship and Innovation was also praised in the magazine and was the only professor mentioned among the ranked schools.

For more information, please go to: http://newsinfo.iu.edu/news/page/print/13847.html

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2010 Alliance Fall Dinner

The 2010 Alliance Fall meeting and dinner will be held on Monday, September 27, 2010, in Indianapolis at the University Place Conference Center.
President Michael McRobbie and Chancellor Charles Bantz will be hosting the event. The general business meeting will begin at 5:00 p.m. followed by a reception at 6:00 p.m. and dinner at 6:30.

We hope to provide bus transportation from Bloomington to Indianapolis and return. You will be receiving more information later this summer about the event.

Please mark your calendars now and plan to attend.

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The Alliance welcomes five new IU Distinguished Professors. They are: Howard Edenberg (IN), Chancellor's Professor of Biochemistry and Molecular Biology and of Medical and Molecular Genetics; Larry E. Humes (BL), Professor of Speech and Hearing Sciences; J. Scott Long (BL), Chancellor's Professor of Sociology and Statistics; Elinor Ostrom (BL), winner of the 2009 Nobel Prize in Economic Sciences and the Arthur F. Bentley Professor of Political Science; and Dean Maglinte (IN), Professor of Radiology.

We look forward to hearing their presentations at the Fall dinner.

Special Honors and Awards

John S. Applegate (BL), Walter W. Foskett Professor of Law and Vice President for planning and policy at IU, has been appointed to the National Academy of Sciences Nuclear and Radiation Studies Board. The NRSB organizes and oversees studies on safety, security, technical efficacy, and other policy and societal issues arising from the application of radiation-based technologies.

Hal E. Broxmeyer (IN), Distinguished Professor and Professor Emeritus of Microbiology and Immunology, internationally recognized as a scientific pioneer in the field of umbilical cord blood stem cell transplantation, is the 2010 president of the American Society of Hematology. The ASH is the world’s largest professional society focused on the causes and treatments of blood disorders.

Bruce Cole (BL), Distinguished Professor Emeritus, was appointed to the National Advisory Committee on Institutional Quality and Integrity. The Committee advises the Secretary of Education at the U.S. Department of Education on matters relating to accreditation and to the eligibility and certification process for institutions of higher education.

Henry Glassie (BL), College Professor Emeritus, has been awarded the Charles Homer Haskins Prize of the American Council of Learned Societies. In announcing the award, the ACLS called Professor Glassie “one of the intellectual leaders who broadened the discipline of folklore from a study of the texts of ballads and tales into a kind of descriptive and interpretive ethnography.”

For more information, go to: http://newsinfo.iu.edu/news/page/print/12700.html

Elinor Ostrom (BL), Arthur F. Bentley Professor of Political Science and Vincent Ostrom (BL), Arthur F. Bentley Professor Emeritus of Political Science, received the University Medal, the highest medal awarded by Indiana University. The award was presented by IU President and Alliance Honorary Member Michael McRobbie.

Elinor Ostrom was also awarded a Sagamore of the Wabash which was presented to her by Indiana Governor Mitch Daniels in December 2009 and is the highest honor the Governor of Indiana can bestow.

Anya Peterson Royce (BL),
Chancellor’s Professor of Anthropology, has been selected as Faculty Member of the Year by the Indiana Council for Continuing Education (ICCE). She recently taught an IU Bloomington Continuing Studies course on modern dance, Professor Royce has taught for Continuing Studies for more than 10 years.

**David Pisoni (BL),** Chancellor’s Professor of Psychology and Cognitive Science and adjunct professor of otolaryngology—head and neck surgery at the IU School of Medicine, has been named the recipient of the Silver Medal in Speech Communication, awarded by the Acoustical Society of America. The award is presented for “advancing the basic science of speech perception and recognition and applying the knowledge to the clinical field of cochlear implantation.”

For more information, please go to: [http://newsinfo.iu.edu/news/page/print/12966.html](http://newsinfo.iu.edu/news/page/print/12966.html)

**New Members**

We welcome the following new members to the Alliance since the December 2009 issue of Excellence.

**Edward J. Berbari (IN),** Chancellor’s Professor of Biomedical Engineering

**Christopher B. Craft (BL),** Ducey-Murphy Professor of Rural Land Policy

**Romualdo de Souza (BL),** Provost Professor, Department of Chemistry

**Giuseppe Del Priore (IN),** Mary Hendrich Hulman Professor of Gynecologic Oncology

**Urie Dufrene (IUS),** Sanders Chair in Business

**Jorja Fleezanis (BL),** Henry Upper Chair in Orchestral Studies

**Flora Hammond (IN),** Coalt Professor of Physical Medicine & Rehabilitation

**Thomas D. Hurley (BL),** Chancellor’s Professor of Biochemistry and Molecular Biology

**Katherine S. Kula (IN),** Jarabak Professor in Orthodontics

**John C. Lappas (IN),** John A. Campbell Professor of Radiology

**R. Thomas Lenz (BL),** Lawrence D. Glaubinger Professor of Business Administration

**John W. Maxwell (BL),** W. George Pinnell Professor, Kelley School of Business

**Anna M. McDaniel (IN),** Chancellor’s Professor of Environments for Health

**Craig S. Pikaard (BL),** Carlos O. Miller Professor of Plant Growth and Development

**Sara C. Pryor (BL),** Provost Professor of Atmospheric Science

**Alvin Rosenfeld (BL),** Irving M. Glazer Chair in Jewish Studies

**Bruce D. Sales (BL),** Virginia L. Roberts Professor, Department of Criminal Justice

**Peggy A. Thoits (BL),** Virginia L. Roberts Professors,
Profiles in Excellence

The Alliance would like to thank Susan Gubar and Peter Roach for agreeing to be profiled.

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Member Profile I
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Susan Gubar (BL), Distinguished Professor Emerita, Department of English, taught at IU for more than 36 years, focusing her research around women, literature, and criticism.

Q. What are your research interests? Your mission?

A. My research has focused for some time on women’s literature. Currently I am editing a book of autobiographical essays by feminist academics who were pioneers in bringing feminism and the lens of gender into their various fields: philosophy, comparative literature, art history, African American studies, religious studies, music, education, media studies, etc. A Feminist Facebook will be published by W. W. Norton in 2011. The ground-breaking contributors transformed the humanities in the American academy. They were the first women in their departments to be hired and given tenure. They were the first to create courses about women and gender. Their essays analyze the roots and the consequences of their commitment to feminism and to its institutionalization in higher education.

Q. Talk about your department and where it fits into your research.

A. My department has been very supportive of my research and especially my wayward interests as my research moved from women’s literature to critical race studies and Jewish studies. The English department ranks within the top 6 humanities departments in the study of gender and sexuality. Our department also ranks very high in eighteenth- through twentieth-century literature. It is a privilege for me to have such excellent young colleagues.

Q. Speak to the meaning of excellence in your life and work and how you foster excellence in your associates and colleagues.

A. My most challenging relationships at IU came at the start and the close of education.
here. In freshmen lectures, I tried to inspire students to relish their capacity to read complicated texts and to write lucid responses to them. My thirty-six years at IU have been devoted primarily to fostering graduate students who taught with me or who asked me to direct their dissertations. Because this is a collaborative relationship, its requires the sort of honesty that one owes a partner-in-learning. Seeing my graduate students become teachers at other institutions of learning or editors or academic activists has been a great pleasure. As for my younger colleagues, I have tried to remind them that scholarship in the humanities rarely gets done quickly, that it is not possible to “churn out” brilliant critical work: it takes patience, diligence, and a willingness to bide one’s time.

Q. Mention any special honors.

A. I have been lucky enough to receive the fellowships and awards available to humanists. Unfortunately the humanities are in danger of becoming marginalized as the sciences, the social sciences, and the professional schools rise in prominence. But IU has great strength in its arts and humanities programs which have achieved national attention because of their interdisciplinary approaches. Safeguarding these excellent programs and archives will be a key to our future.

Q. What are your interests outside of research?

A. Writing remains a great pleasure in my life, although I also love parenting, grandparenting, quilting, knitting, and cooking: how gendered can I get?

Q. Finally, is there anything of human interest that you may want to share with the members?

A. I am thankful to be part of a momentous transformation of the academy, the integration of women into all the humanities departments and therefore into virtually all of the professions. I only hope my younger colleagues, male and female, will be given the support I received so they can thrive and contribute to the extraordinary public education to which we are dedicated at IU.

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Member Profile II

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Peter J. Roach (IN). Distinguished Professor and Chancellor’s Professor of Biochemistry and Molecular Biology, is recognized worldwide for his pioneering work on glycogen metabolism.

Q. What are your research interests? Your mission?

A. I was hired in 1979, just over 30 years ago, to the Department of Biochemistry at the IUSM as a “regular” faculty member, meaning I was expected to do research and discharge any teaching obligations they asked of me. I remember very well a former mentor at the University of Virginia, where I came from, telling me before I left “Just make sure they think you are the best hire they ever made”. I don’t know about that, but that’s what I tried to do.

My research for my entire career has centered on a compound called glycogen. It is a polymer of a common sugar, glucose, that acts as an energy store in cells, in the liver and skeletal muscle of mammals, but it is found in many other places. Liver glycogen was discovered in 1857 by Claude Bernard. In the last century, study of glycogen metabolism led to many important biochemical discoveries that are now seen as common to many cellular functions. One of these was protein phosphorylation and that was my main focus upon arriving in Indiana. At the time, few people worked on this now ubiquitous regulatory mechanism. I think it is fair to
say that we were one of the labs that made serious contributions in the 1980's identifying and characterizing protein kinases. One discovery of which I am still proud is the fact that a few protein kinases, in this case one called GSK-3, recognizes substrates only after they have already been phosphorylated by a second protein kinase. We called this "hierarchical phosphorylation", a concept that stands to this day.

What I described is rather technical and to put my research in a more understandable context maybe I can talk about how it relates to metabolic diseases of carbohydrate metabolism, the most important being diabetes, which afflicts more than 20 million people in this country. Since glycogen is a glucose store in the body, abnormal glycogen metabolism is linked to abnormal glucose metabolism – and indeed my work has been funded for my whole career by the National Institute of Diabetes and Digestive and Kidney Diseases. There are other genetic diseases affecting glycogen metabolism and our most recent work addresses a couple of these, Pompe disease which in its most severe form causes cardiac failure in the first year of life and Lafora disease, a tragic childhood epilepsy. Perhaps our research into basic molecular mechanisms can lead to new ideas for cure or at least therapy for these otherwise fatal diseases.

Q. Talk about your department and where it fits into your research.

A. I joined a Department that had a very particular character, reflecting in part the personality of the Chair at the time, David Gibson. There was a strong sense of Departmental identity. For me, it was supportive and inclusive. Though it may no longer be politically correct to think this way, for me it has always been department first - my departmental colleagues, faculty, staff, students, everyone, are my everyday contacts on whom I rely to take care of my research, my teaching, and everything else. David Gibson was succeeded by Robert A. Harris as Chair and he perpetuated, even strengthened the sense of unity within the Department, even as it flourished in terms of its various missions of research, teaching and service to School and the University. So, I have to say that, overall, I have few complaints and overall view my department as having been instrumental in promoting my career.

Q. Speak to the meaning of excellence in your life and work and how you foster excellence in your associates and colleagues.

A. Going back to the idea of mission, I think I do have one special passion and that is in the education of my graduate students. I think it is important to teach them how to go about science the right way. In science, there are many decent ideas and graduate students can be spoon-fed reasonable projects where they act more or less as technicians to pursue the professor’s pet hypotheses. Good work and impressive publications can result but, in my mind, often at the expense of the graduate student and his or her education and training. I fear that pressures on faculty to publish and obtain grant funding make this mode of “training” more common today than when I began my career. Ideally, I want my graduate students to seek and find their own way, to make mistakes, maybe struggle sometimes, maybe progress more slowly than if always primed about what to do. My job is to teach them what is a good hypothesis, what is a good experiment, what is a valid control, how to interpret data, what is a good result, how to be your own most severe critic. When they graduate, I want my students to be hardened to the difficulty and the rigor needed to apply the scientific method, in the true Galilean sense.
Q. Mention any special honors.

A. I have been privileged to be recognized as a Chancellor's Professor on the IUPUI campus and as a Distinguished Professor by Indiana University. I have received teaching awards which mean a lot to me, especially as I have taken over a major new teaching responsibility as course director of the first year biochemistry course for the ~140 medical students on the Indianapolis campus. I have been invited to give seminars or to talk at scientific meetings in Australia, Brazil, China, Japan and most European countries. However, perhaps I am most proud of having had continuous National Institutes of Health funding for my work, usually with two R01 grants, since I was first hired. One of my grants from the NIDDK has received MERIT status on two separate occasions, a strong accolade from my peers nationally who evaluate NIH grant applications. In fact, I think that this grant is the longest standing grant with continuous funding on the Indianapolis campus, as it enters its 32nd year with another five years of funding starting June 1, 2010.

Q. What are your interests outside of research?

A. I am embarrassed by my lack of interesting pursuits outside of work. I do like traveling, and mainly through work I have visited many countries in Asia, South America and especially Europe, and I particularly like traveling to Italy - my wife Anna DePaoli-Roach was born in Italy and we have friends and family in Italy. I lived for two years in Pisa and I love Italy and its culture. I speak Italian, not as well now as when I lived there, but I feel at home and comfortable when I arrive, say, at Leonardo da Vinci airport in Rome. I like food - Anna is an incredible cook and our visits to Italy always include sampling of the cuisine, mostly in the homes of friends and family. So, I have gone full circle - from research on metabolism to the personal need of it to take care of my food intake!

Letters to the Editor

The Steering Committee invites the general membership to contribute "letters to the editor." The topics should be related to the mission of the Alliance. Given our sparse publication schedule, the letters should address concerns that will be of relevance after a delay of weeks or months. Such letters provide a means for members not on the Steering Committee to play a role in setting policy and priorities, and we encourage you to make such a contribution. Please send letters to the Alliance office, Poplars 823, IUB, Fax: 812-855-5767 or email to alliance@indiana.edu

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Fall Dinner to be held
Monday
September 27, 2010,
in Indianapolis

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Alliance of Distinguished and Titled Professors
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