



EXCELLENCE



Newsletter of the Alliance of Distinguished and Titled Professors

David Malik appointed Associate Executive Vice President of IU

Chancellor's Professor to work with IUPUI and six regional campuses

David Malik (IN), Chancellor's Professor of Chemistry, has been appointed Associate Executive Vice President of IU. He will work directly with Charles Bantz, IUPUI Chancellor and Executive Vice President of IU. Professor Malik's main focus will be in the areas of strategic planning, academic personnel

processes (including tenure and promotion), state policy, and coordinating special projects for IUPUI and IU's six regional campuses.

Professor Malik has also been appointed director of the Faculty Colloquium for Excellence in Teaching (FACET).

We do not plan to provide **transportation** from Indianapolis to Bloomington due to lack of interest in the past. If, however, we feel that the need is there, we will reconsider and make every effort to arrange for transportation. It would be helpful if you could contact the Alliance Office at 812-855-8279 or Janet Black at jlblack@indiana.edu and let her know if you are interested in having the Alliance Office provide this service.

Mark your calendars

The 2007 meeting and Fall Dinner will be held on **Monday, September 24, 2007**, in Bloomington at the IMU. As in previous years, the business meeting will begin at 5 p.m. in the University Club lower level and will be followed by a reception at 6 p.m. and dinner at 7 p.m. (Location of dinner to be announced later). Please mark you calendars and plan to attend.

This year's Fall dinner was especially nice with five of the six distinguished professors giving presentations. A special thanks goes to Chancellor Bantz, his wife, Sandra Petronio, and his events coordinator, Teresa Helming.

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Fellowship named in honor of John Ryan

In October, President Herbert announced that a new public affairs fellowship program has been established in honor of **John Ryan, IU president emeritus**.

The highly competitive fellowships will be awarded to students studying public affairs, environmental science or pursuing a joint degree. As a part of the program, each fellow will work closely with a state or local government agency or with a non-profit organization. They will analyze key issues and study and recommend solutions and courses of action for an Indiana community.

The program is funded by more than \$1 million in contributions. Earnings from the endowment and matching funds from the university will enable the school to award four \$25,000 fellowships annually.

McBride named a Living Legend in Nursing

Angela McBride (IN), Distinguished Professor and Dean Emerita of the IU School of Nursing, has been designated a 2006 Living Legend by the American Academy of Nursing. The designation was presented at a ceremony of the organization's 33rd annual meeting in Miami on November 9.

Biology Professor Receives potential for \$5 million grant

The Method to Extend Research in Time award was presented by the National Institute of General Medical Science to biology professor **Carl Bauer (BL), Clyde Culbertson Professor of Biology**, to fund his research on how bacteria and oxygen levels relate. The rare federal grant amounting to potentially \$5 million spans over 10 years.

Only a very limited number of the MERIT awards are given out each year and Professor Bauer is only the ninth recipient from IU to receive the prestigious grant.

Special Honors and Awards

John S. Applegate (BL), Walter W. Foskett Professor of Law, has been named the first IU Presidential Fellow. The Program is modeled after the White House Fellows program. Professor Applegate will work full time as a special assistant to the IU President on a wide array of projects including assisting the presidential transition process next spring and summer.

Abhijit Basu (BL), Class of 1948 Herman B Wells Endowed Professor, received the highest service award from the Geological Society of America at the organization's annual meeting. The award specifically acknowledges Professor Basu's expansion of the society's publications program.

Ulla Connor (IN), Barbara E. and Karl R. Zimmer Chair in Intercultural Communication, was the

recipient of the Outstanding Alumni Award from the University of Florida Department of Linguistics.

Professor Connor has also recently been appointed to Governor Mitch Daniels' Indiana Commission on Hispanic/Latino Affairs Research Committee (ICHLA), a state agency that reports and makes recommendations to the Governor and Legislative Council regarding Hispanic/Latinos issues.

Merrill Grayson (IN), Distinguished Professor Emeritus, IU Department of Ophthalmology, was awarded the 2006 Glenn W. Irwin, Jr., M.D., Distinguished Faculty Award at the Medical Alumni Awards Day luncheon in the spring.

Sharon Hamilton (IN), Chancellor's Professor of English, has received the Theodore Hesburgh certificate of Excellence for Implementing the Principles of Undergraduate Learning. She has also received the Council of Higher Education accrediting Agencies (CHEA) Award for her work with the Principles of Undergraduate Learning.

In August, Profess Hamilton assumed the position of Associate Vice Chancellor for Academic Affairs at IUPUI.

Donald Kuratko (BL), The Jack M. Gill Chair of Entrepreneurship, accepted on behalf of the entrepreneurship faculty at the Kelley School of Business, the National Award for Exceptional Contributions to Entrepreneurship Research presented by the National Consortium of Entrepreneurship Centers. The program was also recognized in the October issue of Entrepreneur magazine as the No. 4 public university with the best graduate entrepreneurship program in the nation.

Jaime Laredo (BL), Linda and Jack Gill Professor of Violin, was awarded the Governor's Award for Excellence in the Arts to Vermont at a ceremony at the State House in Montpelier in October.

Marjorie A. Lyles (IN), American United Life Chair in Business Administration, received the JIBS Palgrave Macmillan Decade Award with co-author Jane Salk of the University of Texas-Dallas for the 1996 paper titled "Knowledge acquisition from foreign parents in international joint ventures: An empirical examination in the Hungarian context." The award was presented at the annual meeting of the Academy of International Business in Beijing, China.

Vincent Ostrom (BL), Founding Director of the Workshop in Political Theory and Policy Analysis and **Arthur F. Bentley Professor Emeritus of Political Science**, received the John Gaus Distinguished Lecturer Award honoring a lifetime of exemplary scholarship in the joint tradition of political science and public administration at the American Political Science Association 2005 meeting.

Douglas Rex (IN), Chancellor's Professor of Gastroenterology Medicine, and **Andrew Evan (IN), Chancellor's Professor of Anatomy and Cell Biology**, received Tony and Mary Hulman Health Achievement Awards from the Indiana Public Health Foundation recently.

William Tierney (IN), Chancellor's Professor of Medicine, has been elected a member of the prestigious Institute of Medicine of the National Academy of Sciences. A physician researcher, Professor Tierney has made major contributions to the delivery of health care in the U.S., Kenya and a growing number of other African countries.

NOTE: If you wish to have your award or special recognition included in the next issue of Excellence, please email the information to
jlblack@indiana.edu

New Members

We welcome the following new members to the Alliance since the June 2006 issue of Excellence.

Stephen D. Allen (IN), James Warren Smith Professor of Clinical Microbiology

Joan Austin (IN), Sally Reahard Chair in the Center for Enhancing Quality of Life in Chronic Illness and Distinguished Professor

Mary Guerriero Austrom (IN), Wesley P. Martin Professor of Alzheimer's Education

Arnaldo Cohen (BL), Rudy Professor of Piano

Joseph A. DiMicco (IN), Chancellor's Professor of Pharmacology

George E. Edwards (IN), Carl M. Gray Professor of Law

Lawrence H. Einhorn (IN),

Lance Armstrong Foundation Professor of Oncology and Distinguished Professor

Nicholas L. Georgakopoulos (IN), Harold R. Woodard Professor of Law

Linda A. Kelly Hill (IN), M. Dale Palmer Professor of Law

Ghassan Kassab (IN), Thomas J. Linnemeier Guidant Foundation Chair in Biomedical Engineering

Richard A. Lesh, Jr. (BL), Rudy Professor of Education in Learning Sciences

James G. Morphis, II (IN), William A. Mitchell Professor of Radiation Oncology

Donna M. Nagy (BL), C. Ben Dutton Professor of Law

Bradley Pitts (BL), Robert R. Shrock Professor of Sedimentary Geology

William M. Plater (IN), Chancellor's Professor

Douglas K. Rex (IN), Chancellor's Professor of Medicine

Vladimir Georgievitch Touraev (BL), Boucher Professor of Mathematics

Jeffrey B. Travers (IN), Kampen-Norins Professor of

Dermatology

Zhong-Yin Zhang (IN), Robert A. Harris Professor of Biochemistry and Molecular Biology

In Memoriam

The following Alliance members have recently passed away. The Alliance extends their deepest sympathy to the families.

Lynton K. Caldwell (BL), Arthur F. Bentley Professor Emeritus of Political Science

Norman J.G. Pounds (BL), University Professor Emeritus of Geography and of History

Frank W. Putnam, Sr. (BL), Distinguished Professor Emeritus, Department of Molecular Biology and Biochemistry

Profiles in Excellence

The Alliance wishes to thank the following members profiled for agreeing to be interviewed

Member Profile I

Catherine Pilachowski (BL), Daniel Kirkwood Chair in Astronomy, studies the chemical composition of stars and star clusters in the Milky Way using the technique of high resolution spectroscopy.

Q. What are your research interests? Your mission?

A. Astronomy is a science that approaches fundamental questions human beings ask about our own origins and our place in the universe. My own area of research focus on some of these same origins questions, specifically, how are the elements of the periodic table are made in stars, what physical environments in stars provide opportunities for nucleosynthesis, how those same stars contribute to the long process of chemical enrichment of the Milky Way galaxy, and how the chemical enrichment of the Milky Way affects the formation of planets and provides an environment in

which life can emerge. To answer these questions requires detailed understanding of the chemical compositions of stars and of how stars formed in different epochs of our galaxy's history reflect both the changing galactic environment and the previous history of star formation and nucleosynthesis in the Milky Way.

Composition appears to have a profound effect on whether planets form around young stars. Stars with higher concentrations of elements heavier than hydrogen and helium seem to be more likely to form with planets, although we as yet know little about planets similar to Mercury, Venus, Earth, or Mars around other stars. While astronomers have found over 200 new planets around other stars, those planets are mostly similar to Jupiter and the other "gas giants" in the outer Solar System. Our technology has so far limited our ability to detect planets to those that are rather closer to their suns than our own gas giants are to our sun. Our ability to study planet formation in stars more massive than our own Sun is also limited due to the character of their spectra.

Star clusters offer a means to address questions about the formation of planets in novel ways. Because stars in clusters

form together, cluster members share a common age and initial chemical composition. Studies of stars in clusters benefit from our knowledge of these global cluster characteristics, so that we can isolate and investigate the effect of just one variable - stellar mass, on the process of planet formation. By selecting clusters of different ages and initial chemical composition, we can isolate each of the three variables, mass, age, and composition to compare and contrast the effects of each.

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

A. The Astronomy Department, founded in 1895, is one of the traditional and historic departments of the Bloomington Campus, and that sense of history and place continues to guide our mission and role at Indiana University. The spirit of Daniel Kirkwood is prominent on our campus and in Bloomington, at Kirkwood Observatory, at Kirkwood Hall, and on Kirkwood Avenue. Today, the Department maintains an active research programs in stellar and extragalactic astrophysics and in high energy astrophysics, utilizing not only a share of the WIYN 3.5-m telescope in Arizona, but also participating in theoretical simulations of planet formation and in

understanding the fundamental nature of mass and energy in the Universe. My own research utilizes the WIYN telescope to obtain the spectra of stars in star clusters. The telescope is equipped with a special instrument that collects light from dozens of cluster stars simultaneously using optical fibers, and allows efficient observations of star clusters. The WIYN telescope, along with the Hydra fiber spectrograph, has been the key to attracting and retaining top faculty in Astronomy at IU. A new, billion-pixel camera for the telescope will be completed in 2009, and will offer impressive new opportunities for research, as will a new infrared camera to be available next year.

Over the last five years, our program has grown to include 20 graduate students, and it has been a joy to watch our graduate program bloom through the efforts of our outstanding students. In addition to their research in various areas of astrophysics under guidance from our faculty, our students contribute with wonderful talent and enthusiasm to the Department's extensive program of outreach and public education, including opening Kirkwood Observatory to the public and providing opportunities for the campus and Bloomington community to participate in noteworthy

astronomical events.

The Astronomy Department also places priority on three important campus-wide areas of concern: improving of teaching and learning in science, recruiting (and retaining) women and underrepresented minorities in the sciences, and attracting more students into the study of STEM disciplines, leading to a more competitive workforce. While we are a small department, Astronomy can play important roles in all of these areas because of the broad appeal of our subject to the public and, especially, to children. Because of this special appeal, we have an obligation as a discipline to address these broad societal concerns. The IU Astronomy Department has always viewed its role from a wider perspective than just astrophysical research, and is well known in the astronomical community for producing leaders of broad vision.

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

A. To me, excellence has much in common with leadership. The great universities of the world are the leaders in humankind's quest for greater knowledge and understanding of the world around us, and of

the human condition. The faculty of a great university enjoy a special place in these centers of learning, and should be both leaders in their disciplines and leaders in bringing the resources of their universities and disciplines to bear on needs of society. In part, this obligation is fulfilled by educating the next generation of citizens, but I believe our responsibility extends beyond this traditional mission. The greatness of a university is judged on the basis of its contributions to society, not just on the students it produces. As a leader, my job is to set an example of excellence in my own endeavors, and to enable others to do the same.

Q. Mention any special honors.

A. I have been privileged to serve my community in many ways, from the campus and local community through national and international service to my discipline. For me, the honor comes from seeing my colleagues and students succeed and from helping to create an environment where excellence can flourish.

Q. What are your interests outside of research?

A. Outside of research, I enjoy sharing my enthusiasm for astronomy with the public.

Most people want to know more about the night sky, and are fascinated by the wonderful images from telescopes, both in space and on the ground. Sometimes, when lost in the detailed, painstaking work of research, it's easy to lose sight of just how awesome our universe is. Working with the public, and especially with kids, is the best way to be reminded of just how lucky we astronomers really are to be able to study the universe "up close and personal."

Member Profile II

William Tierney, M.D. (IN), Chancellor's Professor of Medicine, directs the Division of General Internal Medicine and Geriatrics of the Department of Medicine at IUSM and is a senior investigator in the Regenstrief Institute, where he studies the effects of computer-based interventions to improve health-care quality and lower cost of health-care delivery.

Q. What are your research interests? Your mission?

A. Medical Informatics, health services research, quality improvement, and global health (specifically HIV/AIDS).

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

A. I'm the Director of the Division of General Internal Medicine and Geriatrics in the Department of Medicine, IU School of Medicine. It is the largest Division in IU and one of the largest divisions of general internal medicine in the country. The focus of research in my division is medical informatics, aging research, and health services research. A specific focus is the IU Kenya Program, where IU has a long-standing partnership with Moi University in Eldoret, Kenya. Since 2003, I have been the Director of Research of the IU-Moi University partnership, coordinating and facilitating research between these two institutions along with several other U.S. medical schools (including Yale, Columbia, UCSF, and the University of Washington). The focus of our research is a network of 18 HIV/AIDS clinics in western Kenya serving more than 30,000 persons with HIV infection. This program is called AMPATH – an Academic Model for the Prevention And Treatment of HIV/AIDS – and is the largest HIV program in Kenya and one of the largest and fastest growing (enrolling more than 2000 patients per month) in all of sub-Saharan Africa. My role

is to foster research into the effective delivery of care and new approaches to prevention and treatment. My own research is in medical informatics where we developed the first ambulatory electronic medical record system in sub-Saharan Africa which has grown into the most extensive EMR for HIV/AIDS care in the developing world (OpenMRS). This open-source share-ware system is becoming the standard for HIV/AIDS care in low-income countries.

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

A. We believe that the best care and the best research both require high-quality methods to generate the best evidence. Our patients deserve the same rigor in monitoring, evaluating, and improving their care as our research studies receive.

Q. Mention any special honors.

A. The most recent (and highest) honor was election to the Institute of Medicine of the national Academies of Science (2006). Other honors are listed below:

1987 Fellow, American College of Physicians

1987 Senator Richard Lugar's Vitae Bonae Award for promoting fitness and health awareness

1988 Fellow, American College of Medical Informatics

1988 Founding Fellow, American Medical Informatics Association

2001 Member, Association of American Physicians

2002 Elder, Nandi Tribe, Mosoriot, Kenya

2003, 06 Listed, *Guide to Americas Top Physicians*, Consumers Research Council of America

2003 Outstanding Clinician Award, IU Division of General Internal Medicine and Geriatrics

2004 Gold Star Award for Resident Teaching

2004-06 Highly Cited Author, General Medical and Social Sciences, Institute for Scientific Information

Q. What are your interests outside of research?

A. Bicycling (completed the 2006 Ride Across Indiana, finishing 278 out of more than 1250 starters), running/fitness, traveling.

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

A. The most notable thing I guess is my involvement in the IU Kenya Program. As I said above, we created the first outpatient electronic medical record system in sub-Saharan Africa. It had a transforming effect on the rural health center in which it was created, which became the #1 health center in Kenya and improved the quality and efficiency of care. In recognition of this effect on the health center, I was named an Elder of the Nandi Tribe, one of three mzungu (white persons) to have been so named.

Promotion of Excellence

Nominations are solicited for honorary membership in the Alliance and the Alliance's Promotion of Excellence Award. The Alliance is committed to the promotion of excellence at Indiana University. In keeping with this mission, members elect from time to time individuals to honorary membership in the Alliance and for the Promotion of Excellence Award.

To be eligible for these awards, an individual must have (1) pursued excellence in her or his own career; (2) facilitated the achievement of excellence in others; (3) created mechanisms at Indiana University that enabled others to pursue excellence; and or (4) moved an organizational unit at IU forward to achieve an outstanding reputation.

Nomination Process: Members wishing to nominate an individual to honorary membership and the Promotion of Excellence Award must submit an application that includes:

- Letter of nomination, describing in detail the candidate's accomplishments as they bear on the aforementioned criteria
- Letters of support from at least two other members of the Alliance
- Candidate's Curriculum Vitae
- Additional supporting evidence as appropriate

Nominations should be sent to Janet Black, Indiana University, Alliance Office, Poplars 823, IUB (47405) by **March 1, 2007**.

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 roll 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

The Alliance office will be closed for the Holidays beginning on Friday, December 22, 2006 and will reopen on Wednesday, January 3, 2007. Have a safe and healthy Holiday Season.

2007 Fall Dinner to be held in Bloomington on Monday, September 24, 2007, at the Indiana Memorial Union Building.

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