



EXCELLENCE



Newsletter of the Alliance of Distinguished and Titled Professors

Alliance members serve on Provost Search Committee

Alliance co-chair heads committee

Three Alliance members were among those selected by President-elect Michael McRobbie to serve on the search committee for the new Provost and Vice President for Academic Affairs, Bloomington campus. They are: **David Baker**, Distinguished Professor

(Music); **Thomas Gieryn**, Rudy Professor of Sociology; and **George Kuh**, Chancellor's Professor (Education). Alliance's co-chair, **Fred H. Cate**, Distinguished Professor (Law), chairs the committee.

The committee is conducting an internal search for candidates with the intent of having the next provost identified by July 1, 2007.

For more information on the search go to: <http://www.iub.edu/provost/search>

His contact information is available at: <http://www.indiana.edu/~alldrp/offices.html>

In Memoriam **Henry R. Besch, Jr., M.D.** **1942-2007**

With the untimely death of Henry Besch on March 17th, the Alliance lost one of its staunchest supporters and most capable leaders and the Indiana University community one of its most distinguished and dedicated members.

For the 18 months prior to his death, it had been my privilege to serve alongside Henry as co-chair of the Alliance. In that short time I had come to rely on his insight, patience, gentle but plain-spoken common sense, and his ever-present sense of humor. Henry saw the potential

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David Malik chosen co-chair

David J. Malik (IN), Chancellor's Professor of Chemistry, has agreed to complete the term of Alliance co-chair left vacant by the untimely death of Henry R. Besch, Jr. in March.

of his scientific wisdom. His favorite saying was, "God help's he who hustles wisely."

H.R. was dedicated to research and teaching but his life was also committed to service. No other faculty member has spent more time on IUPUI faculty council or Indiana University faculty governance. He has been on the executive committee of the Alliance of Distinguished and Titled Professors for more than ten years and most recently served his second term as co-chair. He may have done more to instill an ethic of cooperation between faculty at the Bloomington and Indianapolis Campuses of Indiana University than anyone else.

For those of us who had the pleasure of calling him friend we will miss his great smile. He truly had a zest for life that was infectious. He was full of humor and could make a very pleasing experience out of any difficult moment. He has left a great legacy in academic medicine by providing a footprint for the future. Many of us still expect to see him walking down the hall of the Medical Sciences Building. His influence will continue for many years.

Fall Dinner to be held in Bloomington

This year's 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 IMU's University Club (lower level) and will be followed by a reception at 6 p.m. and dinner at 7 p.m. in the Tudor Room. Please mark you calendars and plan to attend. You will receive more information about the event later this summer.

We will not be providing **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 L. Black at jlblack@indiana.edu and let her know if you are interested in having the Alliance Office provide this service.

Alliance member elected to the Academy

Linda B. Smith (BL), Chancellor's Professor of Psychology and chair of the Indiana University Bloomington's Department of Psychological and Brain Sciences has been elected a fellow of the American Academy of Arts and Sciences.

Recent Alliance members elected to the AAAS include Menahem Pressler, Janos Starker, Martina Arroyo, Thomas Kaufman, Howard Gest, Rudolf Raff, Jeff Palmer and Michael Lynch.

For more information go to: <http://newsinfo.iu.edu/news/page/print/5533.html>

Kostelecky chosen as fellow

Alan Kostelecky (BL), Distinguished Professor (Physics) has been chosen a fellow of the prestigious American Association for the Advancement of Science for seminal contributions to relativity and space-time symmetries, and for the development of a profound and

comprehensive theoretical framework for relativity violations, according to a statement from the Association.

For more information see:
<http://www.indiana.edu/%7Eocmhptst/2007/01-12/story.php?id=1048>

Plant Biologist elected to NAS

Mark Estelle (BL), Miller Chair in Plant Developmental Biology, has been elected to the National Academy of Sciences for his work on how plant growth is regulated.

Other recently elected members of the NAS include plant biologist and former IUB Biology Chair Jeffrey Palmer (in 200), IUB political scientist Elinor Ostrom, and IU School of Medicine oncologist Lawrence Einhorn (both in 2001).

Election to the NAS is one of the highest honors an American scientist can receive.

For more information go to:
<http://www8.nationalacademies.org/onpinews/newsitem.aspx?RecordID=05012007>

IUB Chemistry Professor honored in Prague

Milos Novotny (BL), Distinguished Professor and Lilly Chemistry Alumni Chair in the Department of Chemistry, was presented with an honorary degree of natural sciences from Charles University in the Czech Republic.

Professor Novotny stated that the Czech university isn't generous with its honorary degrees and that only two other people have received the award in the past 10 years and both were Nobel Prize winners.

The two-hour ceremony at Charles was attended by dignitaries from several universities, Czech government officials and foreign guests.

Three Alliance members awarded Distinguished Professor

Three members of the Alliance were awarded Distinguished

Professor at IU's Founders Day. They are: **Douglas Hofstadter** College Professor (Cognitive Science), **Emilio Moran** Rudy Professor (Anthropology), and **Bernice Pescosolido** Chancellor's Professor (Sociology).

IU School of Medicine receives gift for eye institute

The IU School of Medicine has received \$30 million to establish the Eugene and Marilyn Glick Eye Institute from philanthropists Eugene and Marilyn Glick.

The Glick's gift will support both the construction of a new building and the advancement of research, education and eye care at the School.

"It is my hope that some day researchers will find a way to prevent or cure glaucoma, macular degeneration and other diseases that rob us of our sight," said Marilyn Glick.

To read more about the gift go to:
http://medicine.indiana.edu/news_release/viewRelease.php4?art=671&print=true

Membership Directories

By this time next year, we will be in the process of updating the Alliance membership directories. If you would like to submit your biographical sketch or update your present one early, please check your personal web page for the Alliance by going to:

<http://www.indiana.edu/~alldrp/list.html>

You may choose to update your information now and avoid the hassle next summer. For those of you who have yet to submit a biographical sketch, this would be a good time to do so.

If you do not have a photograph on file with the Alliance (from the 2005 directory), we will be asking you to submit one in the spring of 2008.

With over 400 members, updating the directory can be a very tedious task.

Special Honors and Awards

Diane M. Billings (IN), Chancellor's Professor, received the Outstanding Leadership Award from the

National League for Nursing. The award was conferred at the organization's Education Summit, September, 2006, in New York City.

Hal E. Broxmeyer (IN), Distinguished Professor and Mary Margaret Walther Professor of Microbiology and Immunology, has been named chairman of the board of the National Disease Research Interchange, a nonprofit organization established in 1980 to provide research scientists with necessary biomaterials.

Blaise Cronin (BL), Rudy Professor of Information Science, is the recipient of the American Society for Information Science and Technology's Award of Merit. The award is the society's highest honor, given annually to an individual who has made a noteworthy contribution to the field of information science. The award was presented at its annual meeting in November 2006.

Richard DiMarchi (BL), Jack and Linda Gill Chair in Biomolecular Science, received the Carothers Award from the Delaware section of the American Chemical Society. The award is presented to honor scientific innovators who have made outstanding contributions and advances in industrial

applications of chemistry.

Howard J. Edenberg (IN), Chancellor's Professor of Biochemistry and Molecular Biology, has received funding for his NIH MERIT grant.

James C. Klaunig (IN), Robert B. Forney Professor of Toxicology, has been appointed to a third term on the U.S. Environmental Protection Agency Science Advisory Board. In this capacity, he will provide independent expert advice on scientific issues underlying EPA policies and decision making.

Donald F. Kuratko (BL), The Jack M. Gill Chair of Entrepreneurship, was awarded the John E. Hughes Entrepreneurial Advocacy Award by the U.S. Association of Small Business and Entrepreneurship for his contributions to the field of entrepreneurship throughout his academic career.

David Orentlicher (IN), Samuel R. Rosen I Professor of Law and a member of the Indiana General Assembly, has been appointed chair of the Small Business and Economic Development Committee of the Indiana House of Representatives.

Ora H. Pescovitz (IN), Edwin Letzter Professor of Pediatrics,

received the Torchbearer Award for Health Medicine and Life Sciences. The Torchbearer Award is the highest award presented only to women by the State of Indiana for making Indiana a better place in which to live, work and raise a family.

Menahem Pressler (BL), Distinguished Professor, IU Jacobs School of Music, will be appointed as an Honorary Fellow of the Jerusalem Academy of Music and Dance, to honor his exceptional contribution to the fields of music and dance which has influenced artistic expression in Israel and throughout the world.

Pamela B. Walters (BL), Rudy Professor of Sociology, is the recipient of a Guggenheim Fellowship for her research involving apartheid schooling in America.

David S. Wilkes (IN), Dr. Calvin H. English Professor of Medicine, has been awarded the 2007 Association of Professors of Medicine Diversity Award. The award recognizes individual meritorious achievement in improving diversity at a medical school.

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

jblack@indiana.edu

New Members

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

W. Claude Baker (BL), Chancellor's Professor of Music (Composition)

Timothy T. Baldwin (BL), Eveleigh Professor of Business Leadership

Bennett I. Bertenthal (BL), Rudy Professor of Psychological and Brain Sciences

Richard Bihrl (IN), Dr. Norbert M. Welch, Sr. And Louise A. Welch Professor of Urology

A. Keith Dunker (IN), T.K. Li Professor of Medical Research

Sumit A. Ganguly (BL), Rabindranath Tagore Professor of India Cultures and Civilizations

David J. Grignon (IN), Centennial Professor of Pathology

Roger P. Hangarter (BL), Chancellor's Professor of Biology

Michael O. Koch (IN), John P. Donohue Professor of Urology

Randall T. Loder (IN), George J. Garceau Professor of Pediatric Orthopaedic Surgery

Kenneth P. Mackie (BL), Linda and Jack Gill Chair of Neurosciences, College of Arts and Sciences

J. Marc Overhage (IN), Regenstrief Professor of Medical Informatics

Adrian Sargeant (IN), Robert Hartsook Chair in the School of Public and Environmental Affairs

Andrew J. Saykin (IN), Raymond C. Beeler Professor of Radiology

Dean Shepherd (BL), Randall L. Tobias Chair in Leadership

Stephen E. Wolverton (IN), Theodore Arlook Professor of Dermatology

In Memoriam

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

Henry R. Besch, Jr. (IN), Showalter Professor of

Pharmacology and Toxicology

York Y. Willbern (BL),
University Professor Emeritus
of Political Science

Profiles in Excellence

The Alliance wishes to sincerely thank Professors Martha McCarthy and John I. Nurnberger, Jr. for agreeing to be profiled.

Member Profile I

Martha McCarthy (BL),
**Chancellor's Professor of
Education**, chairs the
Department of Educational
Leadership and Policy Studies
and teaches graduate and
undergraduate courses in
educational law and policy.

*Q. What are your research
interests?*

A. I conduct research primarily in two areas: education law and leadership preparation. Specific areas of interest are church/state relations involving schools, free expression rights of public employees and public school students, privatization of education, and reforms in leadership preparation

programs. In one current study, I'm investigating the impact of changes in the composition of the Supreme Court on decisions pertaining to civil liberties (e.g., privacy and expression rights). This year with my coauthors I also will be revising three books, *Public School Law: Teachers' and Students' Rights* (6th ed.), *The Legal Rights of Teachers and Students* (2d ed.), and *Educational Governance and Administration* (6th ed.). Very little content will be the same as prior editions because emphases shift, new judicial rulings are rendered, and new legislation is enacted. As the composition of the Supreme Court changes, historical precedents are reinterpreted in new ways. That is what makes legal research fascinating and challenging!

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

A. I am chair of the Department of Educational Leadership and Policy Studies in the School of Education. This department includes the program areas of educational leadership, higher education and student affairs, and social foundations of education. We also have a Policy Studies PhD program that spans the three program areas. While primarily a graduate department, we do offer several undergraduate

courses, two of which I initiated in 2000 and 2003 to infuse law and ethics into the teacher education program.

I am trying to practice what I write about in terms of preparing learning-centered school leaders by creating a learning community within our department. Recently, we began using the first part of department meetings as a venue for faculty to talk about their research, and we invite all full-time doctoral students to attend that portion of our meetings. I am committed to linking faculty with similar interests and to facilitating greater understanding of others' research among members of the department. For example, I have established an ELPS Oncourse site for us to post presentations and papers that we would like our colleagues to review.

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

A. My concept of excellence has both objective and subjective dimensions. I think all research should undergo rigorous peer review and should satisfy high standards. Currently, I am championing high quality research linking elements of leadership preparation to effective leader

behaviors that have a positive impact on students in elementary and secondary schools, as we lack rigorous research in this arena.

I also think excellence means all individuals doing their best and working to their full potential, which is more subjective. In this context, expectations regarding what constitutes excellence may differ for different people.

Certain core values, including respect for diversity in backgrounds and ideas, are reflected in all of my research and instructional activities. I set very high standards for myself and others, and I try to model the work ethic that I hope my students will exhibit, but I never hold students to standards higher than those I have for myself. I must admit that I am a bit of a perfectionist in terms of my own work -- my graduate students will likely confirm this! They are always amazed by how many drafts of articles I write before I'm willing to submit a manuscript for publication!

Q. Mention any special honors.

A. At the beginning of my career, I was named one of the nation's outstanding teachers of disadvantaged youth by *Teacher Magazine*. This honor opened many doors for me professionally. More recently, I

have received the Sonneborn Award for excellence in teaching and research at IU, the McGhehey Award for outstanding contributions to the field of school law from the Education Law Association, the Living Legend Award from the National Council of Professors of Educational Administration, and the Campbell Lifetime Achievement Award from the University Council of Educational Administration. I have been very humbled by these awards and didn't know I was being nominated for any of them except the last one, the Campbell Award. So this recognition has come as a very pleasant surprise—a real shock in a couple of incidents!

Q. What are your interests outside of research?

A. Teaching is my passion and dear to my heart. One thing I am very proud of is the undergraduate law and ethics course. Some of my colleagues questioned my sanity, but in 2000 after 25 years of teaching only graduate students preparing to be school leaders or researchers, I started teaching a one-hour course in law and ethics for elementary teacher education majors. This was expanded to three hours and extended to secondary majors (initially 1½ hours and now starting in the fall, 2007, the course will be 3 hours for

secondary majors as well). Thus, all teacher education undergraduate students in the School of Education will have a course in law and ethics. Working with the undergraduates (I conduct a large-group session and attend all the discussion sections each week) has been extremely challenging and rewarding. I truly love to teach, whether pre-schoolers or PhD students! I feel strongly that all individuals can learn if motivated, and I have a deep commitment that all interactions with students should be based on mutual respect and trust. I am always open to new strategies to enhance student engagement and learning, and I consider myself continually a learner as well as a teacher.

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

A. I spend a lot of my non-work time at Redbud Hills retirement community where my father and my husband's mother live. My mother also was there until she passed away last year, and I consider each day I've spent with my parents to be a gift. I've become a regular at the Redbud activities, from Halloween parties to Easter egg hunts!

I also try to exercise regularly –

ice skating is my favorite winter activity and swimming is my favorite summer activity. And I'm always ready for any type of dancing!

Member Profile II

John I. Nurnberger, Jr. (IN), Joyce and Iver Small Professor of Psychiatry, is an expert in psychiatric genetics and psychopharmacology and has developed methods for the identification of genes important in human and animal behavior.

Q. What are your research interests? Your mission?

A. My interests are in the Genetics of Brain Development and Behavior. The long term goal of our research program is to identify specific single genes that are related to brain function, and to learn the role that such genes play in the onset and course of psychiatric disorders. The major disorders that we study are bipolar affective disorder and alcohol dependence. In the past several years we have begun a project on autism as well. The mission for the study of all of these disorders is to use knowledge of genetics to develop strategies for prevention and

individualized treatment of these devastating brain disorders. Our methods have been to start with families and to try to understand the passage of these illnesses through families. We have done this work in collaboration with other centers around the country. For the Bipolar Project, Indiana is the national coordinating site for the NIMH Genetics Initiative (and we have played this role for the past 15 years). For the Alcohol Project Indiana is one of 9 collaborating sites. In both of these we have investigated thousands of patients and relatives and we have accumulated large, anonymized databases of DNA and diagnostic information (housed centrally by the NIH). Candidate genes have been successfully identified in the Alcohol Study in the past few years. I recently summarized this work in an article in *Scientific American* together with my colleague Dr. Laura Bierut from Washington University, St. Louis. Briefly, there are a number of single genes involved in the predisposition to alcohol dependence. Some of them include GABRA2, ADH4, and CHRM2. The GABRA2 gene codes for a receptor for the inhibitory neurotransmitter GABA. The ADH4 is involved with alcohol metabolism. And the CHRM2 codes for a

receptor for the neurotransmitter acetylcholine. We are still working on understanding the exact mechanisms involved with their function in alcohol dependence. One of the interesting aspects of this work is our emerging appreciation that most of these risk gene variants are actually common in the general population, and it's only when a person has too many of them that the actual illness is observed. So we need to understand what they do in the majority of carriers that are not ill (not alcohol dependent in this instance). For bipolar illness, a different set of genes is at work. Two of the ones currently identified are DAOA and BDNF. The first modifies glutamate neurotransmission (an excitatory transmitter in the brain) and the second is involved with the growth of new neurons. The exciting thing is that all of this is just unfolding in the last few years (after many years of slow progress) and new genetic methods are now producing findings every month or two. It is a great time to be doing this work and we anticipate many discoveries over the coming years!

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

A. I work full-time with the

Department of Psychiatry. I also have an adjunct appointment with the Program in Medical Neuroscience and with the Department of Medical and Molecular Genetics. My job in Psychiatry is to serve as Vice Chair for Research and to direct the Institute of Psychiatric Research (20 faculty, mostly basic neuroscientists). The Department and the Institute have been very supportive for my work. They allowed me to assemble my team when I first arrived (1986) and helped me get things off the ground in the early years before Federal support kicked in. I now have many collaborators in the Department, including Drs. Leela Rau, Sean O'Connor, Amit Anand, Bob Niculescu, Christopher McDougle, David Posey, and Debomoy Lahiri. I have very important collaborators in genetics, principally Dr. Tatiana Foroud, and in Biochemistry and Molecular Biology, with the Genomics Core run by Dr. Howard Edenberg. I also have critical collaborators at academic centers around the country (11 universities for the Bipolar Study, 9 for the Collaborative Study of the Genetics of Alcoholism, and about 15 for the Genetic Studies of Autism). Without these large collaborative networks this work (which is Large Scale Biology similar in scope to the many

national/international Genome Projects now proceeding for many other medical conditions) simply could not proceed. I should also mention the wonderful staff here at the Institute, including Carrie Smiley, Eric Meyer, Dawn Graham, Kurt Wulliman, Amy Thomas, Tonya Rogers, Freida Cormack, Patti Warnock, and Marla Reider.

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

A. In my life, excellence is what makes me get up every morning and love to go to work. Not so much my personal excellence, but the opportunity to participate in a truly top quality scientific program involving many investigators. How privileged we are to be the generation that gets to learn the secrets of the brain!! If I can impart that one observation to associates, colleagues, and students then I would count my career a success.

Q. Mention any special honors.

A. I am the founding editor of the international journal *Psychiatric Genetics*, and I have continued as editor since 1989. I'm a founding member of the Board of Directors of the International Society of

Psychiatric Genetics (since 1993). I now chair their Prize Committee. I'm the National Coordinator for the NIMH Genetics Initiative Bipolar Project (since 1990). Our program was recently selected for special funding by the Foundation of the National Institutes of Health for Genome-wide Association (this will provide information on 500,000 genetic markers across the genome in thousands of individual subjects with Bipolar Disorder). In the past year I was invited to review genetics programs for national funding agencies in Ireland, Germany, and Israel (as well as the US). In the past several years I've given invited talks at Harvard and University of Chicago and am currently scheduling University of Pennsylvania as well as a Visiting Professorship opportunity at the University of Pittsburgh. I was pleased to serve as President of the Psychiatric Research Society for 2006 and organize an international symposium on Psychiatric Genetics for them.

Q. What are your interests outside of research?

A. I play tennis three evenings a week and currently play on a team for the Indianapolis Racquet Club. Every summer my daughter Katie and I do a long-range bike trip. The past two summers we've done 300

miles in a week through northern Wisconsin; before that it was Montana. I scuba-dive with my friend and colleague Melvin McInnis when we have meetings on a coast. I like to take pictures (mostly landscapes) and print and frame them. I spend as much time as possible with my wife Pat, my son Chris (we go skiing together in the winter) and my younger daughter Julie, who is just finishing high school.

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

A. My father was an enthusiastic member of the Alliance (John Nurnberger Sr., Distinguished Professor of Psychiatry) until his death in 2001. I'm a second-generation member, and I hope I can carry on his devotion to Excellence at Indiana University. We Hoosiers tend not to blow our own horns about the quality of scholarship here, but this place has unbelievable talent at many levels. It's our job in the Alliance to help recognize and nurture it.

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

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