



School of Health Sciences Purdue University Fall 2012

SAVE THE DATE!

Annual Health Sciences Awards Banquet

The School of Health Sciences would like to invite all students, faculty, advisors, clerical staff, and guests to our annual Spring Awards Banquet on Friday, April 19, 2012 in the Spurgeon Club (Mackey Arena).

We will honor graduating seniors, distinguished students and Health Science award winners for their many contributions to academic achievement, service, research and teaching in the school. We will also be honoring our 2013 Outstanding Young Alumni.

More information will be sent out in early January.

We hope you will join us for an exciting evening food and to celebrate many of our successes!

JUST IN!

ABET and NIOSH partner with the School of Health Sciences Occupational and Environmental Health Sciences undergraduate and graduate programs to create a Webinar on Prevention through Design (PtD). Student research in PtD is featured in the Webinar which can be found on the following link: <http://www.healthsciences.purdue.edu/academics/graduate/occupational/>

Last year the Occupational and Environmental Health Sciences Program, under the ABET criteria for Industrial Hygiene, was reaccredited for another 6 years at the graduate and undergraduate levels.



Dr. Wei Zheng, Head

Dear Alumni and Friends:

Falling autumn leaves have quietly brought the season's change to the Purdue campus. If you recently walked through the buildings between Physics (PHYS) and Materials and Electrical Engineering (MSEE), at the corner toward Purdue Mall, you may notice that impossibly astonishing red flush from the Japanese maple trees. The morning sunlight penetrates the thin layer of leaves and reveals a thousand shades of red, alluding to one's imagination as if the tree has given all its energy and is ready for a new circle of life. Indeed, it is in this season that Purdue has seen off our past President Francis Cordova and is expecting new President-elect Governor Mitch Daniels. And

the College of Health and Human Sciences (HHS) is now busy screening its new dean.

New changes will certainly bring new initiatives, new focuses, and new excitement to faculty, staff and students, including all of us in the School of Health Sciences. We have already started to prepare for the responsibility-based funding model by setting up the benchmarks to measure the performance at various levels, to install the transition of a tri-semester system to be more efficient in utilizing facility and help students off the campus earlier, and to brainstorm the bold ideas that will shape Purdue among its peers in next decades. Excitement notwithstanding, the initial implementation has foreseeably met some challenges.

During a recent academic planning session, our faculty was asked to teach courses in the summer of 2013. The heated discussion went on for nearly an hour; yet it hardly seemed to be feasible for any didactic courses to be taught in the summer. The reason was quite simple; all of our faculty's summer efforts are supported by their own extramural research funds, and they will use the summer – the time they've committed to the funding agencies for their research – to conduct experiments with their students and to explore new frontiers in science and technology. As a matter of fact, the state budget allocation to this unit, similar to the most of academic units at Purdue, has been cut by more than 10% since 2008 in the midst of the Great Recession. Yet the non-state funds raised in this unit have increased by more than 77% in the same period (see a chart on page 3). These extramural funds not only pay the faculty's summer salary, but much more importantly, the funds allow us to cover the costs associated with student training, infrastructural building, and intellectual exchanges.

The "side" effect of our undertaking is that it leaves no faculty available for summer teaching, which apparently compromises the goal of the tri-semester transition.

Continued on next page

HEAD'S MESSAGE CONTINUED FROM PAGE 1

Nonetheless, this seems to be a solvable policy issue; an exemption from summer teaching to the units in this situation may be partly the answer.

However, our seemingly atypical case has raised the question: Does the emphasis on extramurally funded research remain a valid model of our future? Between the summer research and summer teaching, both supposedly providing the faculty's salary, what does the university lay emphasis on? This leads to even a larger question, "What is the core mission of the research-driven higher learning institution?" To be more specific, what are the fundamental differences that differentiate the first-tier research universities from those highly successful community colleges and the fast arising education-centered on-line enterprises?

In a recent cover story in *Time Magazine* (29 October 2012), some have predicted that only the top 50 universities would be safe or survive from the rivals of web/YouTube based on-line curricula. There is no need to ridicule this assumption, as technology advancement will surely surpass far beyond YouTube – you will see 3-D cyber tech and even holographic instructors who vividly teach the courses as if one were in a real classroom! But, none of these can replace a student's real-life experience through hands-on learning with a professor. No online class can replace shoulder-by-shoulder participation in on-campus organizations that fight against poverty, disparity, violence and other social challenges. And no webinar can replace face-to-face counseling with experienced academic advisors who listen to students and find ways to guide them through this tumultuous, yet exceptionally exciting period of their lives. Thus, the mission to us, as faculty members of a research university, is to find a way to enhance the students' experience on campus and to train better professionals who will someday do better than what we are good at. And, what we are really good at? Discovery, exploration and innovation! Nothing should deviate a premier university's focus from the research!

I firmly believe that research is the engine for a land-granted public university; research is the passion of our faculty and thus the origin of their energy; research is the source of faculty's teaching inspiration that inspires next-generation leaders; and research is the financial foundation for the sustainable development of an academic unit, college and university. From my more than 25 years' observation in academia, a good researcher usually is a good teacher; but the equation is not always true vice versa. As the winter soon comes after autumn, we hope that the spring will bring new leaders to Purdue and to the HHS, and will remind them that, no matter what measures are installed, a strong emphasis on research and discovery, just like sowing seeds in spring, will result in bumper harvests in many autumns ahead.

Hail Purdue!

Wei Zheng, Professor and Head

FACULTY SEARCH

The School of Health Sciences in the College of Health and Human Sciences invites applications for two tenure-track Assistant/Associate Professor positions, one in industrial hygiene and occupational health and the other in environmental epidemiology; the latter is a part of University-wide cluster hire in chronic disease/public health. The successful candidate is expected to develop and maintain an extramurally funded research program in industrial hygiene, environmental health sciences, or related research areas.

There is an ample opportunity to work with well-established research groups with long standing interest in the human health effects of exposure to metals, pesticides and air pollutants.

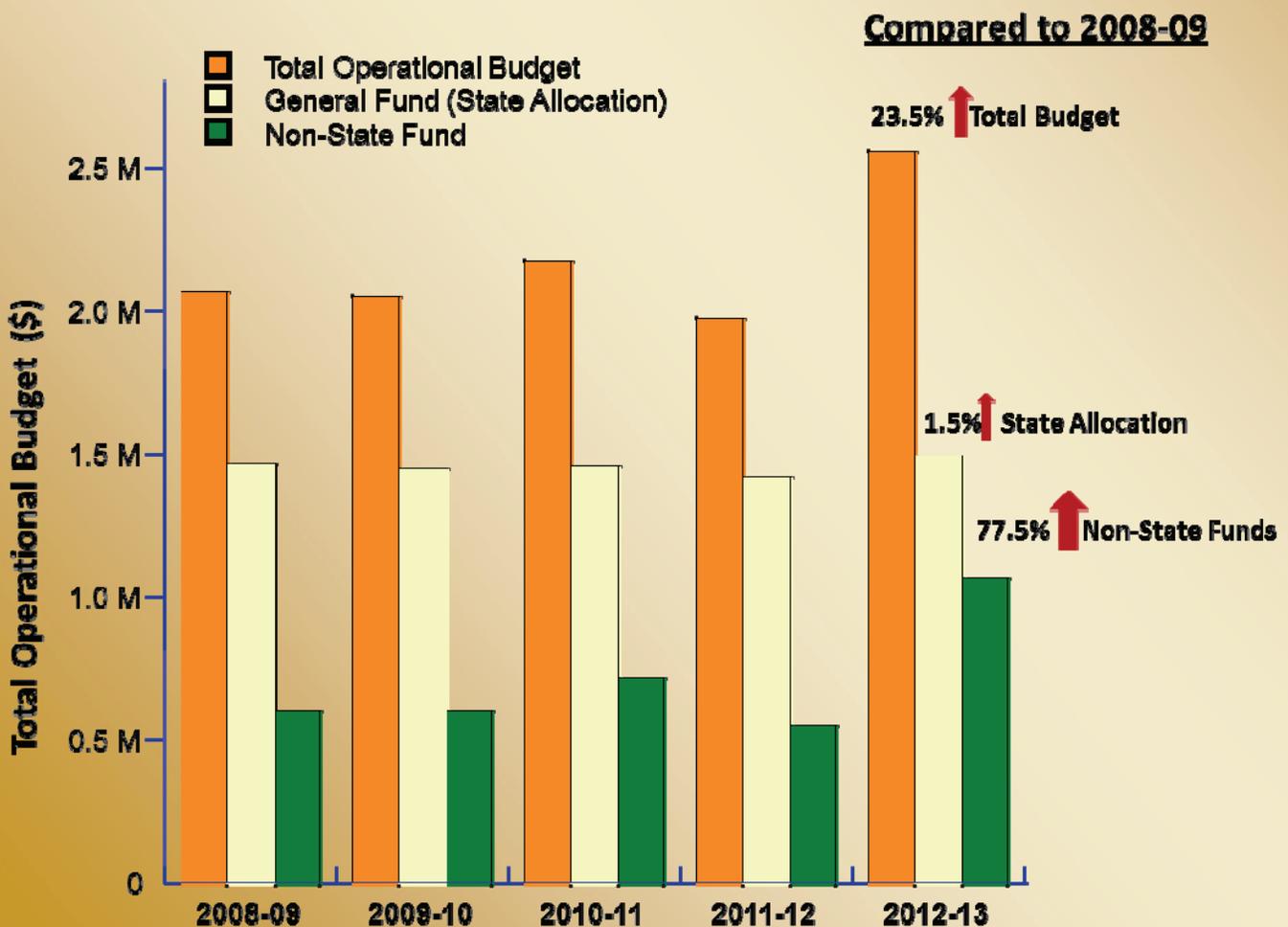
Applicants with expertise in exposure assessment, risk assessment or epidemiology approaches related to understanding the mechanisms of hazardous agents on human health and their control are encouraged to apply. Candidates must have a Ph.D., M.D., or equivalent degree and relevant research experience. The position is competitive with regard to salary, start-up funds, and laboratory space. Submit applications as a single PDF document containing a cover letter, curriculum vitae, a brief statement of current and future research interests, and contact information for three references to Dr. Wei Zheng, Head of the School of Health Sciences, at wzheng@purdue.edu.

Purdue University is an Equal Opportunity/Equal Access/Affirmative Action Employer
fully committed to achieving a diverse workforce

STRONG RESEARCH IN HSCI HELPS WEATHER THE STORM

The HSCI has the history of emphasizing research and discovery. From John Christian, Paul Ziemer to George Sandison, the past leaders have always put research as the top priority of School's long-term development. Under Dr. Zheng's leadership, the HSCI faculty's research activities are gradually becoming more integrated within the School and across the colleges and universities. Strong emphasis on the extramurally funded research has shown its positive impact on School's financial operation. While the general fund by the State allocation has been cut by more than 10% since 2008, the total operation budget has increased from \$2,069,403 in 2008 to the current \$2,556,522 for fiscal year of 2012-2013, about 23.5% increase (See chart below). This steady increase in revenue is due mainly to the productive research programs that attract the extramural funds, largely by NIH grants. Overall, there is a 77.5% increase in non-state funds funneled to the HSCI, helping weather the financial difficulty during the Great Recession starting in 2008.

For infrastructure building, HSCI has created its own Central Research Facility in HAMP, Room 1253. Faculty and the School have collectively spent estimated more than \$1 million dollars in equipment acquisition for research needs. The laboratory research space has been increased from the original 3,838 sq. ft. in 2008 to the current 6,754 sq. ft., an increase by 76%. A total of \$584,500 has been paid for laboratory renovation in the last 3 years. While all doctoral students and post/doc fellows in this School are now guaranteed their own individual desks, it is still challenging for master students to have a designated study area. The good news is that the repair and rehabilitation project currently ongoing in PHYS 96, with an expected completion date of Dec 31, 2012, will create a study area that is capable of hosting 7 graduate students. More space for graduate study has been and will continue to be negotiated with University's Space Management. A solid infrastructure heavily tilted toward the research is viewed as a vital investment for long term, sustainable development of the Health Sciences School.



FACULTY ACCOMPLISHMENTS...



Dr. Ulrike Dydak has received funds from NIH for a new R21 grant with Dr. Corey Neu of Biomedical Engineering as the PI. The project will use MRI and other innovative means for “Combined Biophysical and Biochemical Study of Single Cells” (\$186,875 for the first period: 9/5/2012 – 8/31/2013). She also received funds from Mead Johnson & Company for her project entitled “Assessment of the Bioavailability and Functionality of Brain-Targeting Polyphenol Metabolites in Piglets. The funding (\$14,289) will allow Ulrike to use the pig model to study brain metabolism.



Dr. Jennifer Freeman has recently received two research funds. The first is a CTISI (Indiana Clinical and Translational Science Institute) Pilot Funding for Research Use of Core Facilities entitled: “Molecular mechanisms governing the developmental origin of atrazine-induced cancer” (\$10,000, 8/01/2012 – 7/31/2014). The second is the Illumina Grant for RNA Sequencing entitled: “Epigenetic mechanisms of low dose atrazine transgenerational reproductive alterations” from Purdue Discovery Park, which is one of the final three winners from a total 32 applications. These funds will allow Jennifer and her crew to further investigate the toxicity of atrazine due to environmental exposure.



Dr. Jim McGlothlin has recently received a major industrial grant entitled “Reduction in Costs of Healthcare Acquired Infections through Implementation of Molecular Testing and Web-Based Collaborative Assay Development” from Molecular Diagnostics Division of Becton, Dickinson and Company (\$200,000). The project will promote and foster a community of innovative scientific and academic collaboration for the advancement of molecular-based diagnostic tools and practices. The goals are to address the dynamic global needs of public health, emerging disease conditions, and patient care which result in improved health outcomes and reduced healthcare costs.

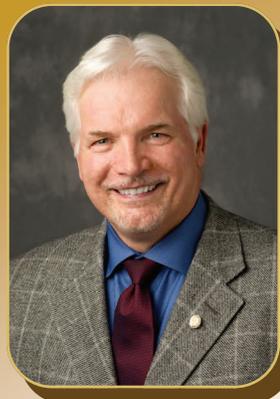


Dr. Linda Nie has just received her NIH R21 fund for her research proposal entitled “Development and Validation of a Novel In Vivo Neutron Activation Technology for Metal Analysis”. With this newly arrived fund (\$338,015, 07/01/2012 – 06/30/2014), Dr. Nie will use the neutron generator to develop a novel transportable, real-time measurement device for non-invasive quantitation of manganese and other heavy metals in bone. This technology, if successful, will make it possible for assessment of manganese body burden during long-term exposure among human subjects such as welders, smelters, miners, and those who are exposed to environmental manganese.



Dr. Jason Cannon has received a major research fund from Michael J. Fox Foundation for Parkinson’s Research. This award in the amount of \$250,000 (11/2012 – 05/2014) is to support the research proposal entitled “Parkinson’s and inflammatory bowel diseases: Interaction in LRRK2 transgenic rats,” which is in an interdisciplinary collaboration with Dr. Chang H. Kim, Professor of Immunology at Purdue’s Vet School. This study will test a novel theory that the systemic immune system dysfunction owing to life style, environmental exposure, or nutritional malfunction is a primary event in the causes of idiopathic or genetic forms of Parkinson’s disease.

MOLECULARHUB



A scientific gateway website that will provide molecular and genetic information on infectious and emerging diseases and co-creation capabilities has been released by Purdue University.

The site was announced at the annual meeting of the Association for Molecular Pathology (AMP) which was held in Long Beach, Calif, on October 24th, 2012.

Dr. James McGlothlin, associate professor of health sciences at Purdue, and the director of the site, said that the site is designed to expand the current knowledge base of genetic markers, gene sequencing and molecular testing related to infectious diseases, chronic diseases, emerging diseases by actively fostering an environment of co-creation and collaboration. "With this site we have the opportunity to improve healthcare and patient outcomes by providing free, easy access to the latest information," McGlothlin said. "The half-life of information in this field is very short; it's one of the fastest moving disciplines in modern science. So this site will keep professionals up-to-date with the latest scientific information." The site, www.molecularHUB.org, is exclusively sponsored by BD (Becton, Dickinson and Company).

"The goal is to involve anyone working with molecular diagnostics so we can combine and leverage resources and capabilities. This will allow us to standardize work practices and provide training and programs that will enhance scientific knowledge in this field," said McGlothlin.

Gregory Meehan, vice president for diagnostic systems and molecular diagnostics at BD Diagnostics, said the site has the potential to bring together medical and scientific communities. "The valuable information and experiences of the global laboratory, scientific and academic community will come together through MolecularHUB in developing and sharing best practices across the spectrum of molecular based diagnostic applications, laboratory efficiency and clinical and economic outcomes," Meehan said.

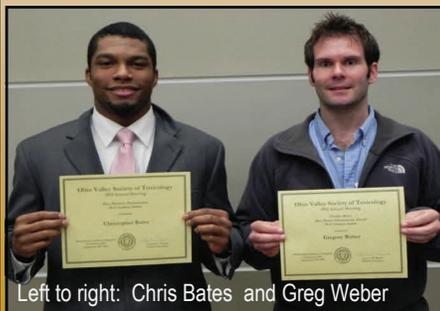
The site is built on the Purdue-developed platform HUBzero, which has been used by more than 40 scientific, engineering, and medical gateway sites as resources for scientific communities.

INTERNATIONAL RECOGNITION OF FACULTY AND STUDENTS

The HSCI faculty and students including Drs. Dydak, Zimmerman and Zheng showed a strong presence in the international neurotoxicology conference in Xian, China last year. Dr. Zheng organized and presided the conference as the Chairman. More than 300 researchers from 26 countries in five continents attended this 5-day conference. The Conference is a joint official event of the International Neurotoxicology Association and the Subcommittee of the International Commission on Occupational Health, and financially sponsored by U.S. National Institute of Health, U.S. EPA, Chinese Natural Science Foundation, and industrial sources. Purdue students **Sherleen Fu** and **Zaiyang Long** won the best student presentation award in the Conference.



Front: (left to right) Sherleen Fu and Jane Li. Back: Wei Zheng, Neil Zimmerman, Ulrike Dydak and Zaiyang Long.



Left to right: Chris Bates and Greg Weber

Sherleen Fu (mentor: Dr. Zheng) has recently won a research travel award by American College of Toxicology (\$1,000) to support her presentation in annual meeting of the organization in Orlando, Florida in November 4-7, 2012.

In a recent Ohio Valley SOT meeting, **Christopher Bates** (Mentor: Dr. Zheng) won the first place award for graduate platform presentation and **Gregory Weber** (Mentor: Dr. Freeman) won the first place award for graduate poster presentation. Chris will become the organizer of OVSOT Student/Postdoc Symposium next year on Purdue campus.

ACCELERATED BS/MBA IN HEALTH MANAGEMENT



A new accelerated BS in Health Sciences/MBA in Health Management with Krannert School of Management was approved in November, 2011, and took effect Fall 2012. The top students in their junior year in School of Health Sciences will be selected and recommended to Krannert School of Management. These students will continue their MBA education for two more years and graduate with a joint degree of BS in Health Sciences/MBA in Health Management.

The program provides the new career opportunity for HSCI students enrolled in pre-professional degree programs, and provide the new opportunity for the Krannert School to step into the fast growing health management and administration field. Prof. **Jim McGlothlin** and Ms. **Rosie Ricci** have been playing an indispensable role in leading this new degree program.



"In education it isn't how much you have committed to memory or even how much you know. It's being able to differentiate between what you do know and what you don't. It's knowing where to go to find out what you need to know and it's knowing how to use the information you get."

– William Feather

MEDICAL PHYSICS ACCREDITATION

A joint Graduate Program between the School of Health Sciences and Indiana University School of Medicine received accreditation on June 22, 2012 by the Commission on Accreditation of Medical Physics Educational Programs (CAMPEP). The MP program has existed since the 1990's in the School of Health Sciences and currently is a joint program formally called the **Indiana University/Purdue University Medical Physics Program**. The MP program involves the full participation of faculty from the IU Departments of Radiology/Imaging Sciences and Radiation Oncology and Purdue University academic units of the School of Health Sciences, Nuclear Pharmacy, and Veterinary Clinical Sciences Radiation Oncology. These program's faculty have extensive basic and applied research experience in radiation physics, therapeutic dosimetry, medical imaging, nuclear medicine, and radiation biology. Student mentoring and training are also substantially enhanced through the involvement of adjunct faculty at the Midwest Proton Radiotherapy Institute (MPRI) on IU Bloomington campus, and the Faith, Love and Hope Cancer Center in Lafayette, IN. This CAMPEP accreditation not only ensures our students are eligible for board certification upon their graduation, but more importantly helps foster the research collaborations among participating faculty, clinicians and technologists across the disciplines between two premier higher learning institutions in Indiana. The CAMPEP accreditation represents a milestone of HSCI's successful research and education in the medical physics area.



Dr. Gary Hutchins
Director of IU-PU MP Program
Indiana University School of Medicine



Dr. Keith Stantz
Associate Director of IU-PU MPP
School of Health Sciences

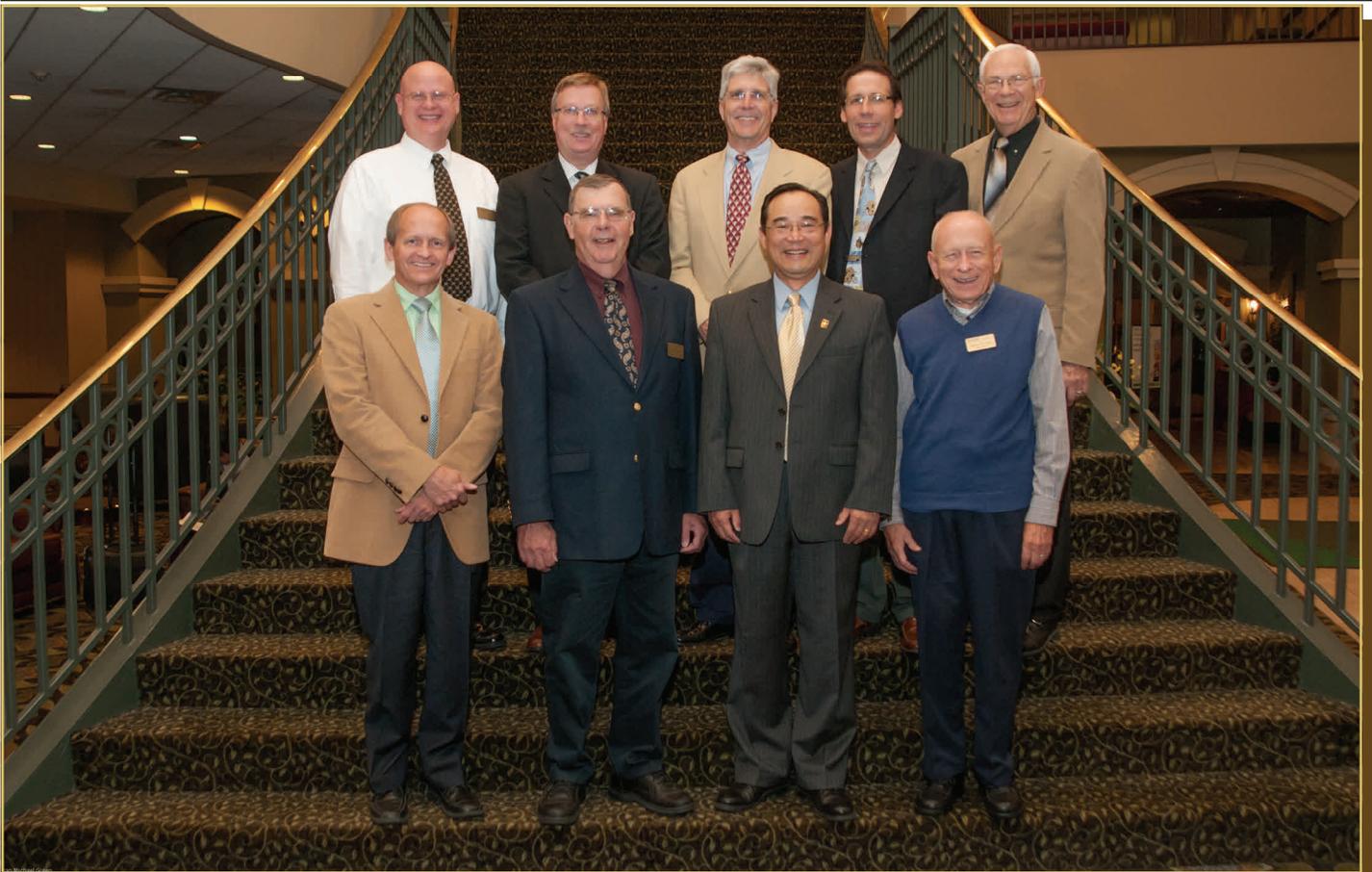


Dr. Colleen DesRosiers
Associate Director of IU-PU MPP
Indiana University School of Medicine

2012 ADVISORY BOARD

The School of Health Sciences Alumni Advisory Board was on campus October 4-5, 2012 for their annual meeting. Eight board members led by Chairman Dr. **Craig Yoder**, senior vice president of Landauer, attended the Board meeting and participated in once-a-year distinguished alumni award event. The Board began their activities by meeting with graduate students in the School to learn the progress and needs of graduate education in the School. They then attended the lecture by Dr. **William Travers**, this year's John E. Christian Distinguished Alumnus, followed by the annual celebration banquet on Thursday night.

On Friday morning, Dean **Christine Ladisch** came to greet the Board members, updated achievements and future direction of the college, and answered the questions raised by Board members. Dr. **Zheng** presented his annual School's operational assessment in areas of discovery, learning and engagement, as well as the financial operation. Ms. **Judy Schumaker**, Director of College Development, updated the Board on fund raising effort in HSCI and new opportunities for contribution to HSCI and HHS at Purdue. Dr. **Jason Cannon**, an Assistant Professor of Health Sciences and Toxicology, and Ms. **Pam Dexter**, the HSCI Development Director, both new to the School, were introduced to the Board. After lunch, the Board members participated in School's Faculty Retreat in Holiday Inn City Centre and led discussions with the faculty and staff regarding the School's strengths, potential and opportunities to "ride the wave" toward the right direction. Of particular interest this year, are the changes and new emphasis that will be highlighted when Governor Mitch Daniels assumes the role of University President in January 2013.



Front row, left to right: Dr. Stanley Hampton, Dr. Gary Carlson, Dr. Wei Zheng, and Dr. Stanley Shaw

Back row, left to right: Dr. Sven J. Rundman III, Dr. Bruce Mallett, Dr. Craig Yoder, Dr. Bart Geyer and Dr. Paul Ziemer

Not present: Drs. Rafik Bishara, Lynne Fairbent, Johann Geyer, and Jou-Guang Hwang

HEALTH SCIENCES 2012 DISTINGUISHED ALUMNUS



Dr. William D. Travers

BS, Physics, Purdue University, 1972
MS, Bionucleonics, Purdue University, 1974
PhD, Bionucleonics, Purdue University, 1976

After graduation from Purdue University, William Travers began his career as a radiological physicist performing evaluation of nuclear power plant licensing issues for the U.S. Nuclear Regulatory Commission (NRC). His early career was punctuated by the accident at Three Mile Island in 1979 where he responded and held positions of increasing responsibility in the Office of Nuclear Reactor Regulation related to the incident. Dr. Travers directed the NRC's Three Mile Island Project Office and was stationed at the site from 1984 to 1988. There he assumed responsibility for NRC oversight of the cleanup activities and served to carry out extensive public outreach to explain the extensive activities to clean up the plant.

In 1988 he assumed new responsibilities as Chief of the Emergency Preparedness Branch where he was able to use his experience gained from his activities at Three Mile Island. He directed the agency's program for developing emergency preparedness policy and carrying out licensing reviews, including licensing of the Seabrook and Shoreham Nuclear Power Plants. Subsequently he was appointed as Deputy Associate Director for Advanced Reactors and License Renewal where he worked to achieve the first certifications for new reactor designs such as the General Electric Advanced Boiling Water Reactor and the Combustion Engineering System 80. In this capacity he led the development and first implementation of the NRC requirements for extending nuclear power plant licenses beyond the initial 40 year licensing period. Most of the 103 nuclear power plants in the United States have now been licensed for an additional 20 year period.

Dr. Travers continued at the NRC where he became Director of the Special Projects Office in the Office of Nuclear Reactor Regulation. In this capacity he led licensing and inspection activities which were focused on the safety evaluation of the Millstone (CT) Nuclear Power Plants. The plants were shut down for safety concerns and in addition to technical evaluations he and his team conducted a significant public outreach program. He provided leadership by serving as the Director of the Spent Fuel Project Office in the Office of Nuclear Material Safety and Safeguards. During this time, he established a new organization which focused on issues related to systems for the safe storage and transportation of spent nuclear fuel. Today the "dry" storage systems, which were certified during Dr. Travers tenure, are being used to store spent nuclear fuel at most nuclear power plants in the United States. He continued at the NRC transitioning into the executive management team as the Deputy Executive Director for Regulatory Effectiveness where he had responsibility for evaluating and improving regulatory effectiveness in all of the NRC's regulatory programs related to safety and security.

Shortly after that, Dr. Travers was appointed by the Commission and served as the Executive Director for Operations from 1998-2004. In this capacity he carried out the responsibilities of the Chief Operating Officer of the agency where he was responsible for over 3000 staff members. He managed day-to-day operations of all aspects of the NRC's national regulatory programs. During this period he also served as the NRC's representative to the International Atomic Energy Agency's (IAEA) Commission on (Nuclear) Safety Standards.

From 2004 through 2007 Dr. Travers served as Regional Administrator, Region II (Atlanta, GA), NRC and led a staff of approximately 250 in the conduct of nuclear safety and security inspections at 18 sites with 33 nuclear power reactors, and 9 sites with nuclear fuel cycle facilities. His office was also responsible for the licensing of approximately 1500 nuclear power reactor operators. Regulatory enforcement actions were also conducted as a part of the nuclear inspection programs.

He subsequently served as Special Assistant to the Deputy Director General, Department of Nuclear Safety and Security, IAEA. He was responsible for providing policy and technical advice on international nuclear safety issues. During his work with the IAEA he particularly focused on enhancing Agency activities for assisting countries initiating new nuclear power programs. Dr. Travers was also actively involved in the continuing development, implementation and improvement of the Agency's Safety Standards and Safety Review Services.

In 2008, Dr. Travers was assigned the position of Director General for the Federal Authority for Nuclear Regulation, an entity of the United Arab Emirates (FANR). As Director General, Dr. Travers is responsible for planning and implementing a program of nuclear safety, security and safeguards regulation in the UAE.



Dr. Travers receiving the plaque from Dr. Zheng

Beginning in late 2008 with 5 staff, Dr. Travers became responsible for establishing a capable and credible national nuclear regulatory program for the United Arab Emirates (UAE). Today with more than 150 staff FANR, using internationally recognized best practices has evaluated and issued more than 500 licenses for the use of radioactive materials. Recently FANR completed an 18 month evaluation and issued a Construction License for the UAE's first 2 nuclear power plants. FANR is an active participant international programs to enhance nuclear safety, security and safeguards endorsed by the International Atomic Energy Agency and maintains important bi-lateral cooperative programs with the USA, Republic of Korea, France, and Finland. FANR is also the UAE's focal point for assuring that the UAE's international safeguards commitments (i.e. nuclear non-proliferation) are implemented.

While at Purdue University he was an Atomic Energy Commission and David Ross Fellow. He was awarded the rank of Distinguished Executive, the highest civilian award, in 2005 by President George W. Bush and numerous awards by the USNRC, including 2 Meritorious Service Awards.

Dr. Travers has 3 daughters and they recently vacationed together with his mother, 2 brothers and other family members on a cruise (his first) in the Mediterranean. He is an avid reader and skiing enthusiast. He continues as an interested fan of Purdue football and basketball.

On October 4, 2012, the School of Health Sciences had the great pleasure of adding Dr. William Travers, Ph.D. to the list of John Christian Distinguished Alumni in Health Sciences. This is the highest honor awarded by the School of Health Sciences, which was established in 1988.

The award is made possible by an endowment in honor of John E. Christian, Hovde Distinguished Service Professor of Bionucleonics and Health Sciences at Purdue. Christian was the first head of the Health Sciences School. He came to Purdue as a research fellow in 1940 and retired from the University in 1988.



Dr. Robert Romano and Dr. William Travers



Dr. Stanley Shaw and Pam Schweitzer



Sherleen Fu and Lan Hong



Above: Dr. Wei Zheng and Dr. Bart Geyer

Below: Dr. Craig Yoder and Dr. William Travers



Below: Allison Travers, Dr. William Travers, Dr. Wei Zheng and Dr. Tom Berndt



PURDUE DAY AT THE INDIANA STATE FAIR

This year at the Indiana State Fair, the School of Health Sciences was chosen to represent the College of Health and Human Sciences on Purdue Day. Our focus was to educate the public on the prevention of hearing loss due to excessive noise levels and also the hazardous effects of numerous household chemicals. Below are pictures from the day's events.



Dr. Cannon explains brain structure and neuroscience knowledge to the kids. Assembling the brain became a main attraction for families in the fair.



Dean Ladisch tries on head phones and visits the noise detection dummy, which measures the noise level of music playing from an iPod. This educates kids and workers about protection against noise pollution.



Purdue's First Lady Sherry Daniels (center) visited the booth. Left to right: David Tate, Chris Bates, Jason Cannon, Dean Christine Ladisch and Wei Zheng.



Dr. Zheng and Dave Tate chatted with a mother whose daughter graduated from Health Sciences. She has a dental practice in Indiana and appreciates the Purdue's contribution to her daughter's success.

FALL 2012 HEALTH SCIENCES GRADUATES

Laurin Didion	Lauren J. Hunt	Benjamin Massie	Brandy Smith
Alyssa L. Germann	Jae Hwang	Lauren Montenegro	Kristin N. Stockton
Paige A. Grable	Angelie Kasman	Nicholas Oudin	James Stovall
Alexander A. Hackman	Ga Ram Lee	Aaron T. Pham	Ashia Wilson
Jacob Hernandez	Meredith M. Lewis	Scott M. Poulsen	Zeynab Yousif

Congratulations to all our students on their outstanding achievements!

BEYOND GRADUATION... WHERE ARE THEY NOW?

Abrar Adil 2012 Graduate of the West Virginia School of Osteopathic Medicine	Lauren Gustafson School of Medicine, Indiana University & Osteopathic Medicine Ohio University	Lauren Rigg Medical School Indiana University & Chicago Medical School, Rosalind Franklin
Abby Fritchley Physician Assistant Program Butler University	Jae Hwang Gacheon Medical School South Korea	Ariel Rosado School of Optometry Indiana University
Amalia Giannini Physician Assistant Program Butler University	Melissa Lewis School of Optometry Indiana University	Kaylie Waltz Physician Assistant Program Butler University
Matthew Gusler Osteopathic Medicine Ohio State	Emma Marr Specializing in Occupational Health and Family Nurse Practitioner University of Cincinnati	

DONOR RECOGNITION

Corporate Donors

We would like to thank the following for their generous support of the School of Health Sciences

3M	Merck Partnership for Giving
Abbott Laboratories Fund	Morton Salt
American Electric Power	PC 18K Challenge Match
Bend Research Inc.	Pfizer Matching Gifts Program
Colgate-Palmolive Company	Praxair MG for Education Program
Duke Energy Foundation/MGP	Quiring Associates, Inc.
Eli Lilly & Co. Foundation, Inc.	SafeMetrics LLC
Eli Lilly & Company Foundation Inc MGP	Showalter Trust
Enbridge Energy Partners	Siemens Energy Inc.
Exelon	Society of Toxicology
ExxonMobil Foundation	Temple Inland Foundation
Fidelity Charitable Gift Fund	The Hwang Foundation
Genentech Giving Station	

Our individual donors will be acknowledged in the Spring Newsletter.

NEW DIRECTOR OF DEVELOPMENT



Pamela Dexter was recently named as the Director of Development for the School of Health Sciences. Pamela is a Lafayette area native and Purdue graduate with a B.S. in education. She came to Purdue University's College of Health and Human Sciences Office of Advancement in October 2012 after serving for six years as program coordinator in Purdue's College of Engineering. Prior to working at Purdue, she was Director of Marketing and Development for a non-profit organization and was also employed as a K-12 program coordinator and teacher for gifted and talented children.

Pamela's role will be to secure financial support for Health Sciences programs, faculty and students. She will be working closely with alumni, individual donors, corporations and foundations as they explore ways to give. Your involvement is welcome and appreciated in the form of financial and/or leadership support. Examples of how you can support Health Sciences:

- Student scholarships/fellowships
- Endowments to support specific initiatives or the School of Health Sciences general funds
- Named Professorships
- In-kind gifts
- One-time donations

To read more on ways to give go to <http://www.purdue.edu/hhs/about/giving/giving.html>. Please contact Pamela Dexter at pdexter@purdue.edu or (765)494-4013 with questions or for more information.