Dear Alumni and Friends:

This year marks the 30th anniversary of the School of Health Sciences at Purdue University. Over the past 30 years, our School has become the center of health sciences research on the Purdue campus. While the School has only 11.5 FTE faculty, their productive innovative research has brought to Purdue more than $1.9 million research dollars in the last fiscal year, a 15% increase from the previous year. On average, each of our faculty generated more than $165,000 in research revenue, ranking third within the College and certainly on the top tier in the University.

Over the past 30 years, our School has become the center of health sciences education on the Purdue campus. Beyond more than 2700 alumni, each year we enroll more than 550 undergraduate students and about 40 graduate students in various educational programs. We provide the highest quality students to medical school, dental school and other professional schools. Our graduate students have repeatedly won national awards. Many of our alumni have become national and international leaders in their own fields.

Over the past 30 years, our School has become the center of health sciences engagement on the Purdue campus. In the past year alone, we have hosted 3 local and international research symposia at Purdue. Our faculty have served as the president, chairman or leader of various national organizations or international conferences. With our alumni’s generous donation, our fundraising reached an all-time high at more than $320,000 for the fiscal year 2008-2009.

If one assumes that past success is the prelude to the next triumph, I am very confident that our School’s best time has yet to come. With your support, we will converge our two strong research arms (occupational/environmental toxicology and radiological health sciences) to one focal point, that is, to build our beloved School into a world-class, human health-centered learning institution. I trust that, no matter how the economy may tumble and how structural change (toward the formation of a new College of Health and Human Sciences) may take place in the perceivable future, we, the School of Health Sciences as a whole, will continue to be the center of the health science research and education at Purdue!

Have a wonderful holiday season!

Prof. Wei Zheng, Head
Welcome to our New HLS Faculty Member
Dr. Linda Nie, MSc. Ph.D.
Assistant Professor of Radiological Health Sciences

Education & Brief Biography
B.Sc., 1996, Physics, Zhongnan University of Technology
M.Sc., 2001, Medical Physics, McMaster University
PhD, 2005, Medical Physics, McMaster University

Dr. Nie received her M.Sc. and Ph.D. degrees in Medical Physics and Radiological Sciences at McMaster University, Canada, where her research focused on instrument and methodology development of nuclear techniques in exposure assessment of heavy metals. She developed an in vivo x-ray fluorescence (XRF) bone lead (Pb) measurement system which can detect Pb in bone at 2-3 ppm level. Following completion of her doctorate degree, she was a Research Fellow and then a Research Associate, as well as the Director of the XRF lab at Harvard School of Public Health (HSPH).

At Harvard, Dr. Nie initiated two research projects, one is on the development of a portable XRF technology for in vivo exposure assessment of metals, and the other is a children’s study on the association of childhood lead exposure and neurodevelopment outcomes. She was also involved in a bone microdosimetry study together with colleagues at Atomic Energy of Canada Limited (AECL) and low dose radiobiology study together with colleagues at Massachusetts Institute of Technology (MIT). Dr. Nie has currently published 34 papers in peer-reviewed journals and has been invited to give over a dozen of lectures at universities and hospitals. She has presented her research at various regional, national, and international meetings.

At Purdue, Dr. Nie’s research will focus on two areas. One is on the application of nuclear techniques in environmental health, which includes the instrumentation and methods development for in vivo measurement of lead, cadmium, arsenic, mercury, and other metals, and systems and methodology for tracing environmental sources of these metals. The other is on radiation dosimetry and radiation protection, which includes study of radiation transportation and dose distributions in biological tissue and material, and development of model and experiment based methodologies to accurately assess radiation dose to radio therapy patients, radiation workers, and the general population.

Dr. Nie is married to Baozeng Zhang, who is a social scientist on world history and international relations. They have two lovely boys, Richard and Eugene, who are 5 and 3.

You may view Dr. Nie’s complete Curriculum Vitae and Bio at the following website:

FACULTY ACCOMPLISHMENTS...

Dr. Ulrike Dydak, assistant professor of health sciences, has recently received a total of $417,370 research fund for her NIH/NIEHS R21 grant entitled "Effect of Manganese Exposure on GABA and Glutamate in Human Brains by MRS".

This project will apply novel, non-invasive MRI/MRS techniques to toxicological research to explore the changes in brain metabolism caused by Mn exposure among smelting workers, and will provide critical insight into the mechanism of Mn-induced Parkinsonism.

Dr. Jim McGlothlin’s research proposal entitled “Development of PtD Case Studies to Identify the Prevention through Design” has recently received a $25,000 award from NIOSH.

The study will use design principles to eliminate hazards and minimize risks to engineered nanomaterials and other harmful materials.
Students Entering Professional Programs & Accepted Employment

Adrienne Clevenger  
Physical Therapy School, Northwestern University

Caleb Doxsee  
College of Osteopathic Medicine, Bradenton, FL;

Mary Jenkins  
Physical Therapy School, The University of Indianapolis and IUPUI

Lauren Keller  
National University of Health Sciences Chiropractic School, Lombard, IL

Marcus Rinaldi  
Physical Therapy School, The University of Indianapolis

Jennifer Ray  
Physical Therapy School, The University of Indianapolis

Momoko Sano  
School of Medicine, Indiana University

Kevin Visuth  
School of Medicine, Indiana University;

Marcus Rinaldi received the Circle Pine Scholarship.

Our Graduate Students…

**Ms. Balmatee Bidassie** has recently been awarded 2009-2010 Distinction of Graduate Scholar by Purdue Regenstrief Center for Healthcare Engineering for her doctoral research in ergonomics and lifestyle risk factors in the prevention of back injuries. The study is conducted under the guidance of Dr. James McGlothlin.

Congratulations to both Balmatee and Jim McGlothlin for their achievements!

**Dr. Mamta Behl** has successfully passed her final doctoral defense and has now accepted a post doctoral research scientist position in the National Toxicology Program (NTP) in Research Triangle Park, N.C. She has recently gotten engaged to her long-time boyfriend, Avinash. Mamta was a student from Dr. Zheng’s neurotoxicology laboratory.

Congratulations Mamta!
I hope this newsletter finds you and your family well. As the seasons have changed so too has our Health Sciences webpage and numerous links. By going to our home page: http://www.healthsciences.purdue.edu you will see some new graphics and accessible links. We have Discovery, which brings you information about our faculty and their efforts related to research, study abroad and important serving boards and committees. You'll also see Dr. James McGlothlin currently highlighted and his continuing work with ergonomics and public health that has stretched way beyond the borders of the U.S.

Then you'll see Academia and student highlights to inform you of what our current students are doing. This is also where we will list the activities of our various clubs and organizations so please take note. One aspect of this that is important will be informing you of any upcoming professional meetings related to your professional career. For example, HLS hosted an alumni function at both the annual Health Physics Society meeting in Minneapolis and the American Industrial Hygiene Association meeting in Toronto. As a school we're always proud to note that several of our alumni serve on professional boards and our undergraduates and graduate students continue to garner academic recognition at these meetings—-a tribute to the quality of our students and the dedication of our faculty.

Next we have the Alumni, Friends and Health Sciences Community link. Perhaps the biggest change is this addition. It's hard to believe that those of us who came to college with slide rules are now on Facebook and are just as hip as our students-well, maybe not but we're enjoying your technology. With help from Morgan Fairchild we've now added an alumni Facebook that I invite you to join. This is a great mechanism to stay in touch with your fellow HLS alumni, share information about your family, career and to just communicate. We're also adding a Fan page open to all so stay tuned for that. I'm also adding a section that will highlight alumni who have sent in information, such as births, weddings, promotions, professional school graduation, etc., so please feel free to send that information to me. And, you'll also find links to the Purdue Alumni Association, https://www.purduealum.org which can connect you to the Purdue Alumni chapter closest to you, a great way to stay connected to the larger Purdue Family.

We've listened to you and are working hard to provide you, our alumni, with information and links you've suggested and requested. I hope you'll take the time to stay in touch and let us hear from you.

A huge tip of the hat to Dr. Keith Stantz, Morgan Fairchild, Travis Stoutenborough, Yvonne Nash and Karen Walker for their invaluable assistance with the new website.

Please consider joining the Purdue Alumni Association to help support the university and HLS. For every HLS alumni that joins PAA, we receive $1 to help us fund undergraduate awards and alumni receptions.

Hail Purdue!

David Tate
Director Alumni Relations
Alumni News....

Cheryl Middaugh, BS MT (ASCP), opens her massage and healing clinic, the Healing Key, on 86th Street, Indianapolis, IN.

Anna Schwartz, BS 2005, MD, drops by the school to say “hi”.

Two of our Alumni, Emily Lynch and Devin Sandlin were married on April 26th, 2009.


Kate (Dyhdalo) Allemang, BS 2005 Honors, M.D., completed Medical school at Ohio State and is in a pathology residency at the Cleveland Clinic.

Tamara (Edmonds) Askew, BS 1990, Director of Section State & Local Government Law Of the American Bar Association, Chicago, IL.

Ashley Brown, Abbott Lab, Chicago, IL.

Rachel Courtney received her degree of Doctor of Osteopathic Medicine at the Lake Erie College of Osteopathic Medicine (LECOM) 13th Commencement Ceremony.

Dallas Cowan, Ph.D. 2008, is a Health Scientist at ChemRisk, Inc., Boulder, CO.

Tom Dawahare, BS MT, is the Manager, Professional Education, Science Care, Phoenix, AZ.

Dawn Essenmacher, BS 2006, is a Disaster Management Coordinator for Americorps Vista, Selma, CA Fire Department and also pursuing a Graduate Degree.

Joy Groszczyk, BS 2008, is a practicing Physicians Assistant in Ft. Lauderdale, FL and a former Ms. Purdue Bodybuilding champion.

Chris Hostetler, BS 1993, is the Sr. Project Manager with Waste Management, Fishers, IN.

Judy Rose James, Clinical MR physicist and Assistant Professor of Radiology, University of Mississippi Medical Center.


Elizabeth Joy Levine, BS 2005, has an MS in Occupational therapy from Washington University, St Louis, and is doing ongoing research in ankle foot robotics including a robotic ankle.

Zack Lipps, BS, MT 2009, Medical Lab Scientist at Civista Medical Center, La Plata MD.

Adam Popard, Palo Verde Nuclear Generating Station, Tonopah, AZ.

Eric Padgett, BS 2009, OCCH, FDA Investigator, St. Louis, MO.

Trevor Sanders, BS IH, Intern with Tennessee Valley Healthcare System, Nashville, TN.

Devin Sandlin, BS RH 2005, Emergency Room physician & Faculty Member, University of KY, Louisville.

Patrick Sheets, BS 2001, MS 2008, Ph.D, is a Postdoctoral Fellow in the Feinberg School of Medicine at Northwestern University.

Carrie Sheldon, MJW Technical Radiological Consulting Firm, Cincinnati, OH.

Shirley Wang, Ph.D., 2007 is a research scientist at NIH/National Institute of Environmental Health Sciences in Research Triangle Park, N.C.

Meisha Waters, BS 2009, International Regulatory Associate, Eli Lilly.

Donald Wiger, BS 2003, MD., graduated from the University of Wisconsin Medical School and has been matched into psychiatry at the Hennepin Co. Medical Center, Minneapolis, MN. He and his wife, Vicky are also the proud parents of a new baby girl.

Mohamed Zalatimo, BS 2008, is the owner of Quality Pack Group, Sahab Industrial Zone, Jordan.
Charles Miller began his career as a professor of Physics at Anderson University. After graduation from Purdue University he joined Oak Ridge National Laboratory where he served as the Principal Investigator and technical lead on three projects concerned with the development and evaluation of mathematical models used to estimate the atmospheric transport of radionuclides and other potentially-hazardous substances. In 1983 he became the Leader of the Methodology Implementation Group, Health and Safety Research Division, where he provided leadership to the Group’s activities in transport modeling for pollutants released to the environment. He also assumed responsibilities for coordination of the Group’s activities with those of the Division staff developing metabolic models and dosimetric information.

In 1986 he joined the Illinois Department of Nuclear Safety as a Branch Chief in the Office of Nuclear Facility Safety where he provided technical and administrative leadership for developing and implementing technical aspects of offsite emergency planning for seven commercial nuclear reactor sites and other nuclear facilities in Illinois. This group was also responsible for the procurement and maintenance of emergency response equipment and performed technical analyses of questions related to severe reactor accident consequences. He later became Manager of the Office of Environmental Safety where he provided oversight for a staff of over 60 professionals. These staff had varied activities including responsibilities for low-level material radioactive waste management on a statewide basis, regulation of radioactive transportation throughout the state of Illinois, environmental monitoring, implementation of the Illinois’ radon program, and fixed and mobile radiochemistry laboratory support for the Department.

Dr. Miller joined the Centers for Disease Control and Prevention in January 1992 as Chief, Environmental Dosimetry Section. In this role, he provided technical and administrative leadership for activities related to estimating the public health impact of historical radionuclide releases to the environment from various U.S. Department of Energy nuclear weapons facilities. In this capacity, he also coordinated dose reconstruction projects at four nuclear weapons production sites in the U.S. and the nuclear weapons test site in the Republic of the Marshall Islands. Additionally he served as CDC representative in a variety of high-level national and international policy making and scientific forums, including meetings with the International Atomic Energy Agency and the government of Russia. He became the Chief of the Radiation Studies Branch, Division of Environmental Hazards and Health Effects, National Center for Environmental Health (CDC) in 2002 and currently serves in that capacity. In this position he develops goals and objectives that integrate organization and environmental public health programs on the potential effects of exposure to radiation and radiation-related health research. He also serves as an expert and senior health scientist for epidemiologic issues relating to radiological bioterrorism (preparedness and response) or other disaster-related adverse health effects and provides national leadership and direction in developing Branch goals.

He has authored or coauthored over 100 journal articles, laboratory reports, and meeting papers and has frequently presented continuing education programs for health physicists and nuclear engineers. Dr. Miller has been a council member of the National Council on Radiation Protection and Measurements since 1994 where he has served on numerous program and scientific committees. He also is a member of the Health Physics Society (HPS) serving as associate editor of the Health Physics Journal from 1990-96. Other memberships include the Environmental Radiation Section of the HPS and local HPS chapters where he has served in various roles.

Dr. Miller has been married to Beverly Decker Miller since 1968, and they have two adult children, Justin Charles Miller and Heather Miller Chapman. Charles and Beverly currently reside in Duluth, Georgia, where they are active in the life of North Point Community Church. In his spare time, Charles enjoys playing golf, traveling, hiking, and photography. Dr. Miller joined the 19 previous distinguished Alumni of the School of Health Sciences.
Distinguished Alumni Reception

Our new Advisory Board Member, John Peel, with his wife Vicki and their daughter Lauren

Tim Kirkham, Christina Peace, Carrie Bloink, and Dr. Zheng

Dean Svensson and John Peel

Craig and Sheila Yoder

Marilyn Barefoot and Dr. McGlothlin.

Dr. Vetter, Keith Stewart and Tyler Blackwell

Sandra Cole, Genevieve Viduya, Morgan Flinchbaugh, Travis Stoutenborough, and Lynne Fairobent

Bart & Ceria Geyer - her friend, Fred Geyer, Dave Tate, Johann & Judy Geyer

Front Row (L-R): Dr. Paul Ziemer, Dr. Wei Zheng, Dr. Richard Vetter, Lynne Fairobent, Stan Hampton

Back Row (L-R): Dr. Jou–Guang Hwang, Bart Geyer, Johann Geyer, Dr. John Peel, and Craig Yoder

Above: Graduate Students—Christina Peace, Xin Yan, Yang Zhou, Haijuan Gao, and Lan Hong enjoying the luncheon
PIHSA is proud to announce its receipt of the 2009 American Industrial Hygiene Association (AIHA) Student Local Section of the Year Award at the American Industrial Hygiene Conference and Exposition (AIHce) in Toronto, Canada. Six PIHSA members attended the national conference with multiple attendees receiving special honors. Purdue kicked off the conference as PIHSA President and former American Industrial Hygiene Foundation (AIHF) scholarship winner, Beauregard Middaugh, spoke on behalf of the AIHF at the opening ceremony in front of a crowd of almost 3,000 industrial hygienists.

Adam McLeland, a graduate PIHSA member, accepted two prestigious awards, the 3M Industrial Hygiene Scholarship and the AIHF scholarship at two conference award ceremonies.

Morgan McFarland, an undergraduate PIHSA member, was also elected as the AIHA-National Student Local Section Council Secretary. Additionally, three PIHSA members presented research at the conference, including an ergonomic roundtable presentation by Sandra Cole.

Exterior to the conference, the trip also included a Purdue alumni social. At the social, the students and alumni presented Dr. Neil Zimmerman (Organizational Faculty Advisor) and Dr. James McGlothlin with AIHA shirts signed by past and present students showing their appreciation for many years of industrial hygiene work.
QUESTION FOR ALUMNI

Did you have a favorite faculty member while in the School of Health Sciences? Was there someone that inspired you or maybe taught you things you thought you would never need to know but, now that you are out in the working world, you realize just how much you learned from that instructor?

QUESTION FOR CURRENT STUDENTS

Do you have an instructor in one of your current courses who you think is doing an outstanding job?

Nominations are now being sought for the 2010 Robert R. Landolt Award for Excellence in Teaching. All faculty and staff who teach Health Sciences courses are eligible for the award. Letters of nomination can be sent to Dr. Gary P. Carlson, Chair of the School of Health Sciences Awards Committee. Any student, faculty member, or alumnus can submit a nomination or an additional letter of support. Letters of nomination or support can be submitted by mail to Dr. Frank Rosenthal, School of Health Sciences, 550 Stadium Mall Drive, Purdue University, West Lafayette, IN, by putting it in campus mail to him at HSCI, CIVL, by fax to 765-496-1377, or by e-mail to frank@purdue.edu. If you have any questions at any time, you can call Dr. Rosenthal at 765-494-0812.

Thanks for your help with this important recognition of teaching.

Remember ....

"The Future Depends on what we do in the Present."

By...Mahatma Gandhi

Purdue University is well underway with the Access and Success Campaign to raise support to embrace and expand our responsibility as a premier public university striving to become even better. A top priority of this Access and Success Campaign is to ensure that good students have access to a Purdue education and assistance to succeed once they have enrolled – regardless of their financial situation.

Within the Access and Success Campaign, there is a unique matching opportunity. New merit-based endowments established for the School will be matched through the Presidential and Trustee Scholarship Program, introduced by President Córdova. This match doubles the impact of any new merit-based scholarship endowment to the School of Health Sciences. This offer is only available for a limited time! For more information, please contact Travis Stoutenborough, Development Officer for the School of Health Sciences or visit our website www.healthsciences.purdue.edu.

The School of Health Sciences is always grateful to each and every supporter. Your gifts, regardless the size, makes a substantial impact on our efforts.
HLS Summer Picnic - September 8, 2009

Left: Dr. Zheng & Dr. Freeman
Below: Dr. Dydak and her daughter, Lisa.

Graduate Students enjoying the picnic - Above: Yan Xin, Lu Xiu, and Young Kim
Right: Beau Middaugh
Below: Shirisha Chittiboyina and Courtney Tinner

Our Chefs—Dr. Zimmerman, Karen Walker & Dr. Liu

Mrs. Judy Carlson, Dr. Paul Zeimer and his wife, Marilyn

Noah & Jennifer Freeman with sons Nathan and Gabriel

On both sides: Students enjoying a game at the picnic.

Right: Seth Streitmatter and his dog.