

THE PURDUE PHARMACIST

Summer 2015 | Volume 91, Issue 1



PURDUE
COLLEGE OF PHARMACY

FROM THE DEAN



There is arguably no better measure of how we are doing as a program than to look at the accomplishments of our graduates. In this edition of *The Purdue Pharmacist* you will read about some of our most distinguished graduates who were recognized at a special induction ceremony this spring. We also begin a brief series of highlighting alumni from specific regions of the country, beginning with the Midwest. We're grateful that so many of our alumni are willing to come back and speak to our students in a variety of venues, including the Dean's Executive Forum whose speakers are also highlighted in this edition.

Of course, it is our amazing faculty who prepare these graduates who go on to make an impact in pharmacy and the pharmaceutical sciences. We are especially delighted to recognize Dr. Kim Plake for receiving the highest teaching honor that is provided by Purdue University. As our graduate students also make a significant contribution to a teaching program, we are very pleased that Dr. Marwa Noureldin (a graduate student and graduate from our PharmD program) was also recognized by the University for teaching excellence. In addition to these special notes, you can read about the research and engagement activity of our faculty that is taking place here in West Lafayette, throughout the state, and in sub-Saharan Africa. The accomplishments of our faculty provide the foundation for us to build the next generation of pharmacists and pharmaceutical scientists.

The highlight of every year is to see a group of students make the transition to graduates. It is an especially rewarding time to celebrate the successful completion of a long academic journey and to join with their friends and family in congratulating their accomplishment. They are our future and we are confident that they are up to the task that lies before them!

We hope you enjoy reading these updates from your College of Pharmacy and hope that you will consider joining us at one of the many events taking place this fall.

Hail Purdue!

Craig K. Svensson, Dean

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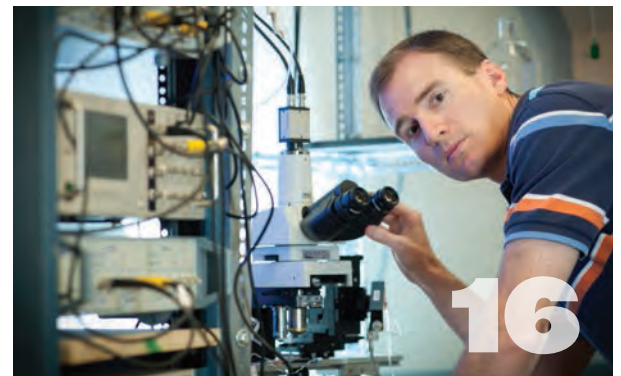
THE PURDUE PHARMACIST

Summer 2015



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2015 Pharmacy Distinguished Alumni Awards

The faculty of the Purdue College of Pharmacy has chosen four alumni to receive the 2015 Distinguished Alumni Award. These prestigious awards, initiated in 1984, are conferred annually upon selected alumnus or alumnae in recognition of their outstanding achievements in professional and scientific endeavors. A luncheon ceremony was held in the recipients' honor on April 10, 2015, in the Spurgeon Room at Mackey Arena.



Susan K. Brown
(BS 1972, MS 1974)
**Retired Administrative
Director of Pharmacy
Franciscan St. Francis Health**

“The opportunity to care for patients is a sacred trust and privilege of our Pharmacy profession. I feel honored and blessed to be named a Pharmacy Distinguished Alum, a capstone to my career of service.”



2015 Pharmacy Distinguished Alumni (L to R) Charles Goodall, Susan Brown, Dale Wurster, and Barbara Hayes pose with Dean Craig Svensson



Susan Brown* poses with her family and friends

You may read more about the Pharmacy Distinguished Alumni Program and full biographies of the recipients at www.pharmacy.purdue.edu/alumni-friends/awards-recognition/distinguished-alumni-awards.



Charles L. Goodall
(BS 1984)

**Senior Vice-President, Pharmacy
and Member Services Technology
Catamaran Corporation**

“Not only did I receive the best possible education while attending Purdue, I also met the best possible wife. Virginia is also a Purdue pharmacist. These two events are what changed my life and enabled me to accomplish everything.”



Virginia and Charlie Goodall* with their daughter, Alexandra



Barbara E. Hayes
(MS 1977)

**Professor Emeritus
Texas Southern University**

“My Purdue Pharmacy education was unparalleled because it provided access and opportunity to pursue graduate studies and helped shape my view of how progressive education and leadership can transform lives. What I cherish most about Purdue is the mentorship, sense of community, and sustained interest in my development through my doctoral training and all through my academic career.”



Barbara Hayes with her husband, Robert



Dale E. Wurster
(PhD 1979)

**Senior Associate Dean
for Academic Affairs
University of Iowa Graduate College**

“While I have received other awards, none is quite as special as this one. When the institution which educated me, and which knew me before I ever did anything, tells me that I have done well in my career, it is extremely gratifying.”



Dale Wurster* and his family

* Alumni living/working in the Midwest Region (also see pages 4-5)

PHARMACY ALUMNI

in the Midwest Region of the United States

The College of Pharmacy is proud to have alumni represented throughout the United States and around the world. Exactly where are all of our alumni located? We decided to highlight the specific regions of the U.S. in a new series, and what better place to begin than in Purdue's own back yard!

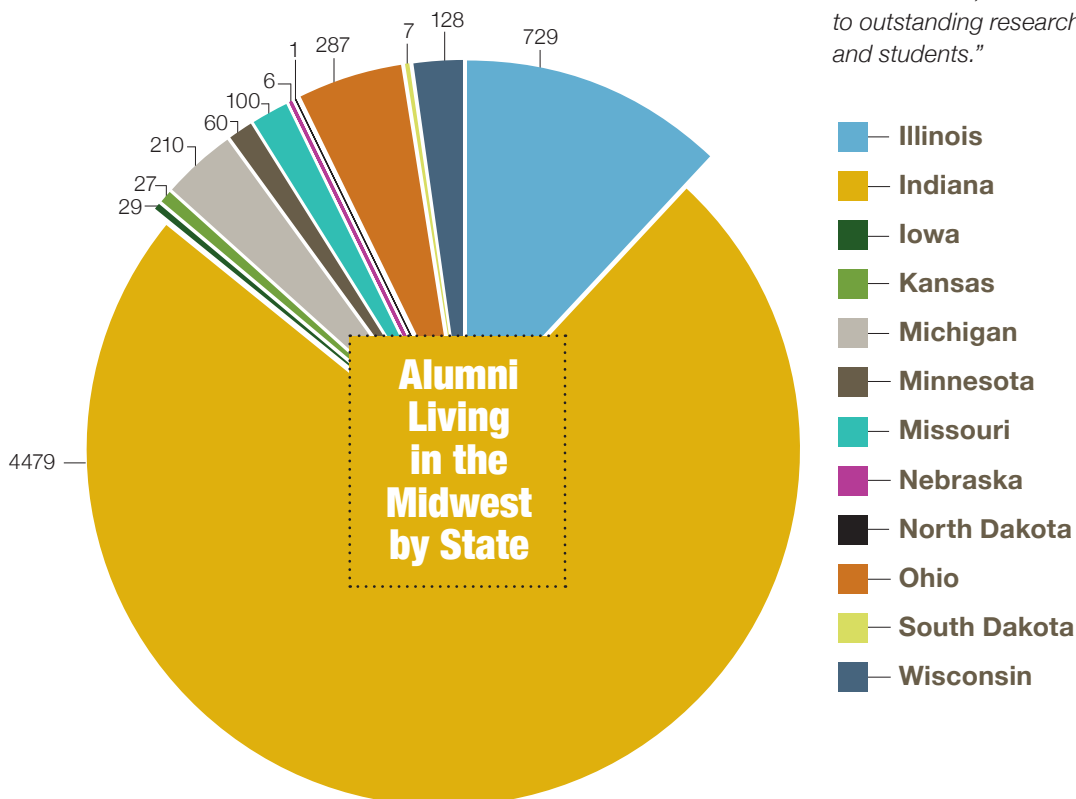
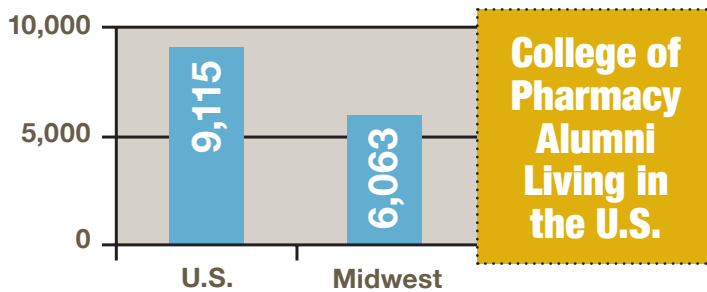
The Midwest region consists of 12 states in the north central U.S.: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin. Illinois is the most populous of the states, with Chicago being the most populated city in the region and the third most populous in the entire country. North Dakota is the least populous within the region.

Each and every one of our alumni plays a vital role in the profession, and although we can't highlight all those who live and work in the Midwest, we thank each of you for representing the Purdue College of Pharmacy with pride.



James Cloyd (BS 1971)
Weaver Endowed Chair-Orphan Drug Development, Director of the Center for Orphan Drug Development, and Professor of Experimental and Clinical Pharmacology, College of Pharmacy, University of Minnesota

"Minnesota offers an ideal setting for my professional and personal lives. The Minneapolis-St. Paul area abounds with cultural, entertainment, dining, and recreational opportunities. Schools and government services are outstanding. The University of Minnesota is among the top 10 public universities and the College of Pharmacy is ranked #3. I'm surrounded by faculty from a wide range of disciplines who want to collaborate, and I have access to outstanding research facilities and students."





Chad Kodiak (BS 1998, PharmD 1999)

Pharmacist,
Joliet Professional Pharmacy

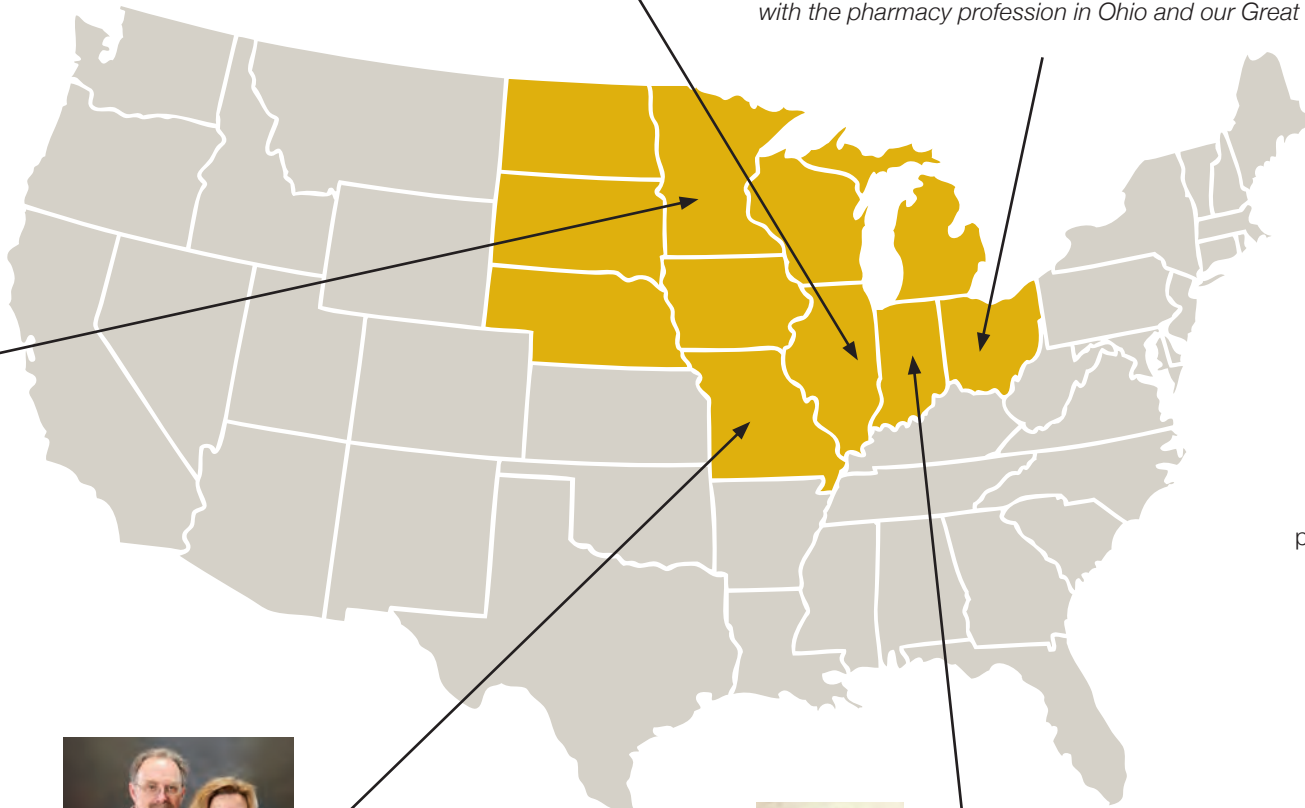
“I enjoy living in the Midwest to be close to family and of course close to our fair alma mater.”



Curtis Black (MS 1976, PhD 1978)

Distinguished University Professor Emeritus
of Pharmacy, The University of Toledo

“My career path has taken me to Indiana, Michigan, and Ohio, and I clearly recognize why the Great Lakes Region has produced many of the great innovators and leaders of the profession. It is a region rich in the history of individuals who have been not only outstanding scholars in their own right, but individuals who find great joy in inspiring, mentoring, and serving others. As a result, there has been a continuum of pharmacy graduates with the confidence to pursue leading-edge concepts and partnerships whether in practice, teaching, or research. It is this energy, enthusiasm, and focus on a better future that makes me proud to be associated with the pharmacy profession in Ohio and our Great Lakes region.”



To read more about some of our other Midwest alumni, please see pages 3 and 10.



Bobby W. Sandage, Jr. (PhD 1981) & Denise “Mic” McAhren Sandage (BS 1979)

President & CEO, Euclises Pharmaceuticals
Chief Scientific Officer, QCPM Consulting

“Although we have lived many years in the eastern part of the United States, our roots are in the midwest and midsouth. Moving to St. Louis felt like we were coming home. We have found a vibrant, thriving entrepreneur community that suits our skills and interests.”



Kyle Allen (BS 1981)

Chief Practice Officer, IU Health Arnett

“I enjoy living and working in Central Indiana as I am able to remain close to Purdue University for the college sports (and tailgating!), as well as to support the College of Pharmacy on occasion. I have been honored to speak in a number of classes at the College as well as to speak to some University student organizations about my profession and experiences. Living in Lafayette during the week and in Indianapolis on the weekends gives me the opportunity to experience the culture of a big city and a college town. I love the options for entertainment and volunteer work offered by both.”

Preceptor PERCEPTIONS

On May 1, 2015, the College of Pharmacy recognized two outstanding preceptors at the Graduation Banquet. **Jasmine Gonzalvo** received the *The Chaney Family Preceptor of the Year Award*, and **Joseph Bitner** received the *Patty Elsner Memorial Volunteer Preceptor Award*. Please help us congratulate these fine individuals for their dedication to serving our students and the betterment of the pharmacy profession.



Jasmine Gonzalvo
**THE CHANEY FAMILY
PRECEPTOR OF
THE YEAR AWARD**

Dr. Jasmine Gonzalvo is Clinical Associate Professor of Pharmacy Practice at Purdue and Clinical Pharmacy Specialist of Ambulatory Care at Eskenazi Health. Her practice for Eskenazi Health, where she has served as a Purdue preceptor for nearly eight years, involves provision of Cardiovascular Risk Reduction services for North Arlington Health Center. "Providing patient-centered care involves putting yourself in the patient's shoes and sometimes throwing your own plan for the patient out the window," she says is the most valuable lesson she hopes students will learn during their rotation. She also comments that seeing students' professional growth and development over the short course of a rotation is what she enjoys most about precepting.

Dr. Gonzalvo received her PharmD from Butler University and completed her PGY1 and PGY2 Ambulatory Care/Education residencies at the Roudebush VA Medical Center. She currently serves on the Board of Directors for the American Association of Diabetes Educators and on the Credentials Committee for the National Certification Board for Diabetes Educators. She has served on the Executive Committee of the Indiana Pharmacy Teaching Certificate Program since 2008. She is a regional faculty coordinator for the Experiential Learning Advisory Council. In 2001, she was awarded the *Distinguished Young Pharmacist Award* from the Indiana Pharmacist Alliance, and in 2014 the *Award for Excellence in Distance Learning*.



Joseph Bitner
**THE PATTY ELSNER
MEMORIAL VOLUNTEER
PRECEPTOR AWARD**

Dr. Joe Bitner began his pharmacy education at Purdue University in 1986. After two years at Purdue, he served active duty in the United States Air Force for six years with tours of duty in Texas, Mississippi, Ohio, Korea, and Nebraska. While stationed at Offutt Air Force Base in Omaha, Nebraska, he was accepted into the University of Nebraska Medical Center (UNMC) College of Pharmacy and graduated in 1996. His first two years of the PharmD program at UNMC were completed while remaining on Air Force active duty.

Dr. Bitner currently serves as the Director of Pharmacy for Witham Health Services in Lebanon, Indiana. In addition to over 15 years of hospital pharmacy management, he spent six years as the Director of Quality Improvement and Infection Control, as well as working several years as a retail pharmacist. Over the course of his career, he has been actively involved in the evaluation, training, and implementation of automated dispensing cabinets, IV infusion pumps, bedside medication bar-coding systems, and various hospital information systems.

He has been a Purdue preceptor since 1998. Students assigned to his rotation participate in a wide variety of activities ranging from riding with ambulance crews to attending autopsies and everything in between. He stresses to his students during rotations to be an advocate for the patient and an irreplaceable source of knowledge for the health care team. He enjoys seeing students apply the knowledge they have gained over the previous years in the classroom. "They bring a fresh perspective and always keep me on my toes!"



Edward Sheridan
NAMED AACP
MASTER PRECEPTOR



Edward Sheridan is a recipient of the 2015 *American Association of Colleges of Pharmacy (AACCP) Master Preceptor Recognition Program (MPRP)* which nationally recognizes preceptors for their commitment to excellence in experiential education and professional practice. Eligible preceptors are not full-time employees of the schools or colleges of pharmacy where they precept, and they are evaluated based upon their demonstration of and contributions to experiential education, pharmacy practice, community service, awards, and recognition. Ed has been a Purdue Pharmacy preceptor for 17 years, having won the *Preceptor of the Year Award* in 2004 and the *Friend of Pharmacy Award* in 2011. This is the first time the College of Pharmacy has had a preceptor recognized as an AACCP Master Preceptor.

Ed received his BS in Pharmacy and PharmD from Butler University and is a board certified pharmacotherapy specialist and ambulatory care pharmacist. He is also certified in the advanced management of diabetes, asthma education, and lipid management. He currently serves as Pharmacy Residency Director at Saint Joseph Regional Medical Center in Mishawaka, Indiana.



News From Continuing Education and Professional Development

Promoting the enrichment of an interprofessional and collaborative approach to continuing education and professional development has been the tenet of the College of Pharmacy's Continuing Education (CE) Program, with the ultimate goal of improving health care systems, practitioner performance, and patient outcomes. We encourage you to visit the following websites which include: listings of CE activity topics and upcoming events; information about all aspects of nuclear pharmacy, along with access to register for the Certificate Program and other CE activities that address various topics in nuclear pharmacy; and our Medication Safety Essentials webinars and additional CE opportunities offered through the Center for Medication Safety Advancement.

<https://ce.pharmacy.purdue.edu>

<https://nuclear.pharmacy.purdue.edu>

<https://medsafety.pharmacy.purdue.edu>

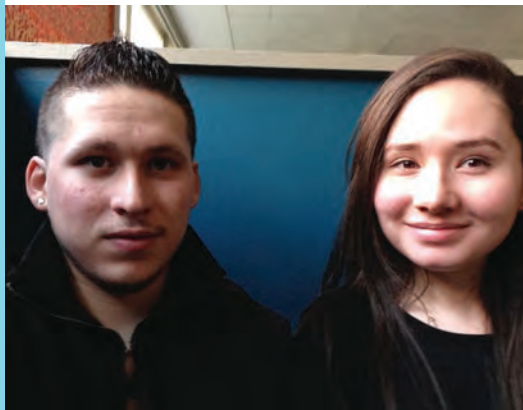
For more information, please contact Marlene Heeg, Managing Director, Office of Continuing Education and Professional Development, at (765) 494-1474 or mheeg@purdue.edu.



Siblings in MAPS: MAPPING THEIR WAY TOGETHER



The mission and goals of the Multicultural Association of Pharmacy Students (MAPS), a program within the Office of Multicultural Programs, are to develop and implement strategies, initiatives, and efforts to increase diversity—particularly those from traditionally under-represented populations—among students enrolled in programs of study within the College, and to enhance the academic success and professional development of program participants and maximize the potential for an inclusive community that fosters respect, support, and engagement. Over the years, many participants of the programs have been siblings. The bond between siblings is often already a strong one, but combining the shared experiences of going through a rigorous academic program can strengthen those bonds—and create friendly competition. The College has several siblings who are currently in the program, and some with older siblings who have graduated. We decided to ask them how they first became interested in pharmacy, what the advantages and disadvantages are to having a sibling in the same program, and what makes multicultural programs so special. Continue reading about how these individuals are forging their own paths into the world of pharmacy—together.



José (3rd Professional Year PharmD Student) & Leilanie (2nd Year Pre-Pharmacy Student) Rivera-Fores

During José Rivera-Fores's high school years, he started researching careers and came across pharmacy. "I loved the flexibility that the profession possessed," he says. Once he stepped foot on the Purdue campus, he felt at home. Leilanie says she first became interested in pharmacy because she wanted a profession in which she could help people that involved science and patient interaction. "At the time, two of my family members were pursuing pharmacy, and Puerto Rico was going through a rough patch where we barely had any pharmacists on the island," she says. "After researching pharmacy and realizing how much they could help others, I decided to pursue it as a career, as well." Since her brother was already in the program, he had some influence on her decision to attend Purdue and study pharmacy. "José, along with our cousin (who is now a pharmacist), would tell me all about the things they were learning as pharmacists, and all the things they had done for patients when they were working. This inspired me greatly and made me want to learn and help people the same way."

As for being in the pharmacy program together, José says, "Leilanie and I can look out for each other and make sure that we are giving it our all to succeed." He continues, "MAPS works as a second family, a support group here at Purdue that will always pick you up when you are down and will encourage you to keep moving forward when the going gets tough."



James (2nd Professional Year PharmD Student) & Sarah (2nd Year BSPPS Student) McGinness

James McGinness first became interested in pharmacy after a job shadow in the eighth grade. "Something about being able to advise and teach patients about their medications really appealed to me," he says. Sarah has always been interested in science and math and came across pharmacy after considering many different fields of interest. "I found the subject fascinating, so when it was time to choose a major I decided to go with pharmacy," she says. She had witnessed the process of her brother applying to Purdue and getting into the pharmacy program and realized that she wanted to do something similar. "I loved the atmosphere of Purdue and I knew that it would be nice if we went to the same university, and I also saw how beneficial pharmacy was to his life." Sarah also knew that she did not want to do the exact same thing as her brother, so she decided to focus on her interest in the research aspect of pharmacy and pursue a BSPPS instead of a PharmD.

It can be disadvantageous having a sibling in the same program. "There is that shadow of an older sibling who has walked the same path, and having to meet those expectations and standards that have already been established can be somewhat daunting," admits Sarah. However, she adds that it's also reassuring to have a sibling who is going through the same program. "James knows the struggles, and I keep telling myself 'if he can do it, I can as well.'" Another advantage? "I get to sell my books to her, and I'm sure she appreciates the discounted prices," says James.

Both siblings enjoy the diverse community that MAPS provides. Sarah continues, "I love the close-knit family aspect of MAPS, and that it is a place where I can be comfortable."



Tolulope (PharmD 2014) & Fiyinfoluwa (3rd Professional Year PharmD Student) Obajuluwa

At the time Tolulope “Tolu” Obajuluwa was applying to pharmacy school, she had already been a nurse for about six years. The health care profession was not new to her, and she wanted to achieve a higher academic degree and do something different. “I was always interested in the pharmacology aspect of nursing, so pharmacy was the natural choice after careful consideration,” she says. “Being a non-traditional student and having a current career as a nurse, it took me a while to adapt to the reality that I was a full-time student again. I discovered that I could achieve anything I put my mind to if I stretch myself just a little bit more.” Her participation in MAPS was beneficial. “Knowing that you’re not alone, that there are other students who are willing and interested in helping you out, made the pharmacy journey much more bearable,” says Tolu.

Fiyinfoluwa “Fiyin” describes her experience in the College as being on an ongoing rollercoaster. “There are highs, lows, and periods when you are just coasting,” she says. “Overall, I have been fascinated with how much I have learned so far.” When asked how she first became interested in pharmacy, she remembers an incident when she was six years old. “I was a victim of expired antibiotic medication for the treatment of strep throat. From then on, I became interested in learning how medications work in the body, as well as having access to reliable medications.” Although Fiyin became interested in pursuing pharmacy as a career before her older sister, Tolu was influential in her choosing Purdue. “I felt as though Tolu tested the grounds for me and assured me that Purdue was the place to be. She has been a mentor to me in this pharmacy journey.” Fiyin also says that being in MAPS gives her a sense of being part of a big family, where everyone is each other’s brother or sister.



Sang-A (2nd Professional Year PharmD Student) & Mi (4th Professional Year PharmD Student) Yun

Mi Yun knew she wanted to be in the health care field. “Pharmacists, while having the authority and knowledge, are very approachable for patients.” Patient interaction was a contributing factor for why she chose pharmacy. She will be on rotation at the Moi Teaching Hospital in Eldoret, Kenya, this fall. “I will be making a lot of clinical decisions which will foster my independence and fiscal responsibilities,” she says. “Purdue really prepares you for after graduation, and I am lucky to be a Purdue pharmacy student.” As for being in the pharmacy program with her younger sister, Mi says it has made them closer. “We have always been friends, but now there are even more things for us to talk about. Pharmacy school introduces you to a lot of jargon, and it is nice to be able to share and talk about things like that with family.”

Sang-A has held a high regard for pharmacists ever since childhood. “I have witnessed patients, physicians, and nurses all seek advice from the pharmacist, the most approachable medical personnel with great drug knowledge. Over the years, my admiration towards the field turned into a desire for me to become a pharmacist.” Although she and Mi had separate reasons for choosing pharmacy as a career, Mi’s passion for the field reaffirmed Sang-A’s beliefs that Purdue was the right choice for her.

The sisters are both MAPS team leaders and have hosted social events to talk with professors and alumni. “During these events, I’ve been able to learn more about my professors and the pharmacy profession,” says Mi. Sang-A adds that MAPS has provided her different opportunities to explore outside of her comfort zone and to connect with other students from different backgrounds.



To learn more about MAPS, please visit www.pharmacy.purdue.edu/omp or contact Linnette White, Director of the Office of Multicultural Programs, at pharmacy-omp@purdue.edu or (765) 494-6885.

Dean's Pharmacy Executive Forum

The Spring 2015 Dean's Pharmacy Executive Forum hosted several outstanding alumni and friends of Purdue Pharmacy. The Forum, designed to introduce students to emerging trends and career opportunities in pharmacy and the pharmaceutical sciences through exposure to leaders in professional and corporate environments, provides an opportunity for the exchange of ideas and promotes greater understanding of leadership in the profession of pharmacy. Students benefit from the varied experiences of the guest lecturers, and the lecturers enjoy the lively exchange of questions and answers by well-informed students. The College of Pharmacy is pleased to recognize the following guest lecturers who spoke during the past academic semester.



Mina Alsaraf* (PharmD 2010)
Associate Director, Health Economics and Outcomes Research; Bristol-Myers Squibb
"Lessons Learned from the Millennial Era of Work"



Chris Dimos* (BS 1988)
Senior Vice President of Corporate Strategy and Business Development; McKesson Corporation
"Potential Disruptors"



Karin Beymer* (BS 1988)
Advisor - Clinical Project Management; Eli Lilly and Company
"A Pharmacist's Journey through Drug Development"



Greg Giant* (BS 1978)
Director of Scientific Affairs; Pacira Pharmaceuticals, Inc.
"A Non-Traditional Pathway in the Understanding of Acute Surgical Pain"



Jim Branham (BS 1977)
Retired as Executive Business Manager; Merck & Company Incorporated
"The Changing Face of the Pharmaceutical Industry – A Unique Perspective"



Virginia & Charlie Goodall* (both BS 1984)
Global Medical/Scientific Communications; Eli Lilly and Company
Senior Vice-President, Pharmacy and Member Services Technology; Catamaran Corporation
"Life Balance: Personal & Professional, Pharmacists as a Life Partner"



Todd Chermak* (BS 1994)
Divisional Vice President of Regulatory Affairs; Abbott Nutrition
"Current Trends in Global Regulatory Affairs"



Marilyn Speedie* (BS 1970, PhD 1973)
Dean of the College of Pharmacy; University of Minnesota
"Back to the Future..."



Tom Zioncheck (PhD 1988)
Senior Director of Business Development; Genetech, Inc.
"Living in the Golden Age of Biopharmaceuticals"

* Alumni living/working in the Midwest Region (also see pages 4-5)



NUCLEAR PHARMACY ALUM

Kenneth Tat-Chiu Cheng

The Perfect Place to Equip for Success

Kenneth “Ken” Tat-Chiu Cheng (PhD 1985) is Nuclear Pharmacy Manager at the Clinical Center of the National Institutes of Health (NIH) in Bethesda, Maryland. He was a PhD graduate student and teaching assistant in Nuclear Pharmacy under the mentorship of Professor Stan Shaw from 1980-1985, an exciting time period during which the Rubik’s cube was invented, the first human heart transplant was performed, and Mark Herrmann was Boilermaker’s quarterback.

Ken was born in Hong Kong and came to the U.S. to pursue the American dream. He followed in the footsteps of his oldest brother Tat, a pharmacist practicing in New York, to study pharmacy at the University of Buffalo. During his last year there, he took a nuclear pharmacy class taught by Dr. Monte Blau and was greatly intrigued by the unique science of combining pharmacy and radiation to create radioactive drugs for diagnosis and treatment of diseases.

After attaining his pharmacy degree and pharmacist licensure, Ken enrolled in the two-year hospital pharmacy residency program at the University of Kansas Medical Center. His interest in the field of nuclear pharmacy intensified while practicing clinical nuclear pharmacy with Dr. Alan Gobuty during rotations. After completing his hospital pharmacy residency, Ken was ecstatic to find that Purdue offered graduate training programs in nuclear pharmacy. He applied and was accepted into the Nuclear Pharmacy doctoral program.

Ken considers his time at Purdue a truly transforming experience. “Purdue offered the ideal environment and support for learning science and doing research,” he says. “Professor Shaw was an inspiring and caring mentor who helped me to grow spiritually and intellectually.” Dr. Shaw’s effective, humorous teaching style and his genuine care for students led Ken to pursue academia after graduation.

In addition to obtaining his doctorate in Nuclear Pharmacy from Purdue, Ken also met his wonderful wife, Ying Hsu, at the Purdue Chinese Christian Fellowship. Together, they have raised two wonderful children, Jonathan and Hannah.

After his postdoctoral research fellowship at Harvard Medical School, Ken accepted the position of Assistant Professor in Nuclear Pharmacy at the University of New Mexico. He spent another 17 years in academia at the Medical University of South Carolina in Charleston where he became a tenured associate professor. Then in 2005, Ken accepted the position as Scientific Imaging Editor at the NIH National Center for Biotechnology Information before becoming Nuclear Pharmacy Manager at the NIH Clinical Center. He is actively involved with the Nuclear Pharmacy Section at



the American Pharmacist Association (APhA). He served as Section Chair (1999-2000) and was recognized as a Fellow of the APhA. He also is active in the Society of Nuclear Medicine and Molecular Imaging (SNMMI) and has served on the Board of Directors of the SNMMI Radiopharmaceutical Council and the American Board of Sciences in Nuclear Medicine.

In his current position as a board-certified nuclear pharmacist (BCNP), Ken manages the NIH Clinical Center Nuclear Pharmacy. He procures, compounds, and dispenses radiopharmaceuticals for nuclear medicine studies, and he also provides clinical consults. He is an integral part of the nuclear medicine team that provides patient care and research support to the entire NIH campus. Although he misses teaching and interacting with students, Ken feels his career has come full circle, returning to his first love of practicing clinical nuclear pharmacy. As the only hospital in the U.S. devoted entirely to research, the NIH Clinical Center is a unique place that offers opportunities to learn about and get involved with cutting-edge research that directly brings laboratory bench results to bedside clinical applications.

“Like general pharmacy practice, nuclear pharmacy is changing in response to rapid advances in medicine and to changes in the U.S. health care system,” comments Ken. “In the future, nuclear pharmacy practice will face many challenges as well as new opportunities to grow.” Ken feels that Purdue, with its strong science/technology programs taught by distinguished faculty, is the perfect place that provides pharmacy students with opportunities and equips them to become nuclear pharmacy practitioners of the future.



Center for Medication Safety Advancement

Greetings!

As I sit down to write this letter, I cannot help but reflect upon how busy these past several months have been for us here at CMSA. I suppose that most of us exist in a state of always being busy, but it has been a truly exceptional stretch for our team. When I try to think about how this has come about, I first began taking stock of all that we have been working towards and all of the contributions made by every member on our team. But I also realized that one of the most important components of CMSA is not actually even a part of our organization. What drives us forward in new and exciting directions is the partnerships that we have forged over the years with professionals, peer organizations, individual practitioners, and members of the public. In short—it's you.

Without a doubt, one of the cornerstones of our success as an organization has been our ability to build bridges and create new teams to work together towards our mission of making safe medication use common practice. One great example in the past year has been CMSA joining with two different professional organizations as collaborators for some of the world's largest conferences dedicated to medication safety. CMSA is proud to be a Collaborating Partner for the second year with the American Society of Health-System Pharmacists at the ASHP Annual Meeting and Medication Safety Collaborative. We are also entering our second year as a Collaborating Partner at the Medication Safety Conference held annually in Abu Dhabi, United Arab Emirates.

Becoming a partner at these two conferences has placed CMSA in a wonderful crossroads of innovation for patient safety. We are able to immerse ourselves in an environment where people can learn from our previous work, but more importantly we are able to learn from theirs. Settings such as these, where over a thousand like-minded professionals gather together, are fertile ground for the sharing of knowledge and the open exchange of ideas on how best to accomplish our mutual goals of promoting safe medication use. If you have never been to either conference, or any symposium for medication safety, I cordially invite you to come and join us at either (or both!) of these events in 2015 and beyond to see for yourself how profound of an impact these sessions can have on your personal and professional development.

Another excellent result of our partnerships has been the creation of our Medication Safety Certificate program. It is an online education tool that is offered in conjunction with 30 hours of continuing education (CE) to help create a standard language across professions when talking about medication safety. Everywhere we went in pursuit of our partnerships this past year, we were continually asked why there are so many different ways to describe the work of someone involved in medication safety. After much work and partnering with experts from across Purdue University, we are quite proud of the Certificate program that we have put together. I encourage you to visit <https://ce.pharmacy.purdue.edu/content/medication-safety> and take a look for yourself.

Overall, it has been a whirlwind year so far, and I can honestly say I look forward to continuing this frenetic pace. The busier we are, the more we are learning and the greater chance we will have to prevent harm associated with medication use. Please continue to reach out to me and all of CMSA whenever you have any new ideas, success stories, or anything else you wish to share. I could not possibly be more proud of the team we have built here at CMSA, but our future success relies upon fresh thinking from people like you.

Thank you very much,



A handwritten signature in black ink, appearing to read 'KHultgren'.

Kyle Hultgren, PharmD
Director, CMSA
(317) 275-6088
khultgre@purdue.edu
www.pharmacy.purdue.edu/cmsa

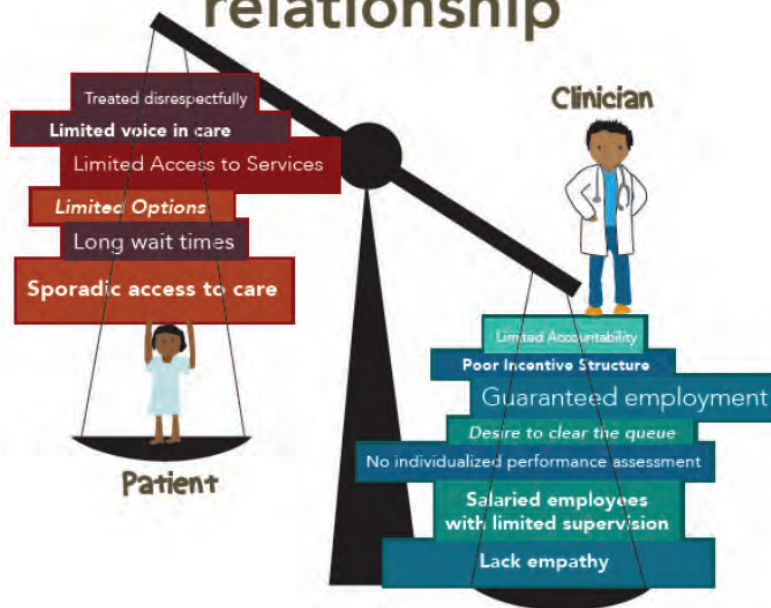
PURDUE KENYA PARTNERSHIP: Peer Educators

The Purdue Kenya Partnership (PKP) has been working to restore the balance between providers and patients in low and middle income countries (LMIC). Most patients face considerable obstacles in receiving high quality care as they are typically subjected to poor access to consistent services, have limited ability to affect their care, and are often treated without respect by providers.

One particularly impactful strategy that the PKP has developed to counter these issues is the incorporation of peer educators. Peer educators are able to bridge the gap between traditional providers and patients. Peer-based care delivery approaches have the unique ability to break down psychosocial barriers by facilitating the interaction between people with shared disease related experiences. Research has shown that peer-based care has led to improvement in health outcomes of HIV/AIDS patients by improving their adherence to antiretroviral medications, decreasing their risk of treatment failure over time, and decreasing the number of patients who are lost to follow-up care. In our model, peer educators are responsible for providing care at various points in the inpatient and outpatient settings at Moi Teaching and Referral Hospital and AMPATH Outpatient Clinic. In the inpatient setting, peer educators offer a wide range of services including providing pre- and post-HIV test counseling, enrolling new patients in care when possible, providing medication adherence and addressing reasons for non-compliance with the interdisciplinary team, filling medication refills, and providing post-discharge follow-up and retention in care. In the outpatient setting, peer educators provide medication and disease state counseling for individuals and groups. Their activities have demonstrated improvements in keeping patients retained within care and linking to the much-needed services that patients have traditionally had a difficult time accessing.

The four peers selected for this initiative play a vital role in not only improving care but in teaching our students and faculty about the many real barriers that patients face in LMIC settings. While formally educated providers typically overlook such socioeconomic barriers, our peers are able to directly address food insecurity, household issues, partner testing, disclosure to friends and family, stigma, and issues within the community that truly prevent patients from meeting their health care needs. Due to the success of this intervention, we are now working to expand this service to the entire catchment area that AMPATH serves, which includes 3.5 million people and 150,000 ever enrolled HIV patients.

Power imbalance in the patient provider relationship



(Figure courtesy of Lydia Fischer)



The peers have helped us rethink the focus for health care delivery around the needs of rural patients rather than the typical needs considered by providers



A special thank you to our peers (L to R) Francis, Margaret, Elias, and Frederick, whose tireless efforts have made this entire program possible

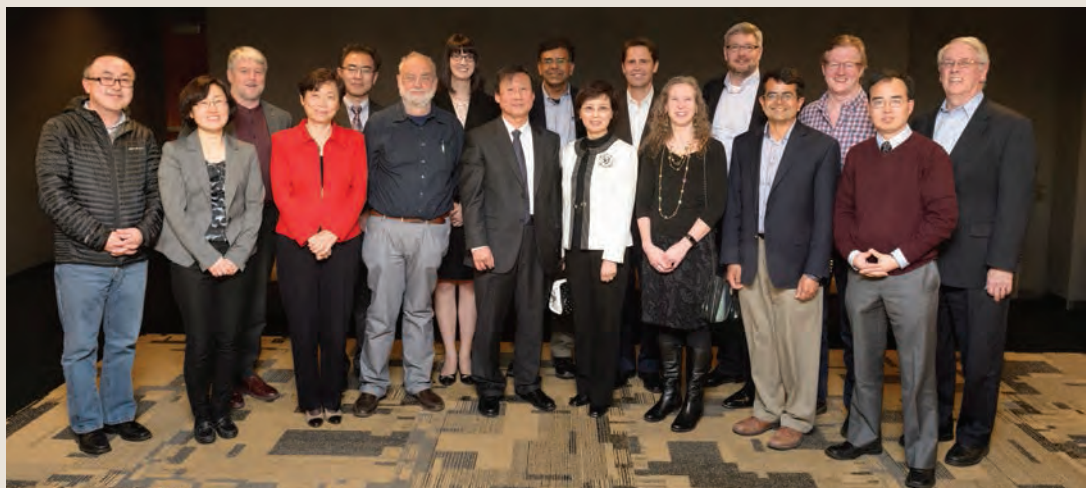
12th Annual Garnet E. Peck Symposium

Written by DeEtte Starr, Communications Coordinator, Industrial and Physical Pharmacy

The 12th Annual Garnet E. Peck Symposium was held on February 25-27, 2015, at the Four Points by Sheraton in West Lafayette. Chaired by Dr. Yoon Yeo, Associate Professor of Industrial and Physical Pharmacy (IPPH), this year's symposium focused on "Clinical and Commercial Translation of Drug Delivery Systems." Many of the 194 participants commented that they enjoyed Purdue Boilermaker hospitality as well as scientific exchange and networking.

The symposium began with an opening reception, followed by two days of presentations from 21 outstanding speakers from the Food and Drug Administration, industry, and academia. Speakers presented talks on moving new drug delivery technologies into pre-clinical and clinical development, launching their drug delivery technologies to market, and developing transformative ideas likely to affect clinical translation in the future. Day 1 Keynote Speaker Omid Farokhzad of Brigham and Women's Hospital and Harvard Medical School spoke on "Targeted Polymeric Nanoparticles: From Discovery to Clinical Trials." Day 2 Keynote Speaker Renata Pasqualini of the University of New Mexico Cancer Research Center gave a presentation on "Ligand-directed Targeting in Translational Medicine."

The symposium also included two roundtable discussions. Dr. Elizabeth Topp, Head of the Department of IPPH, led the first day's discussion on "Drug Delivery Technologies from Benchtop to Bedside: Lessons Learned." On the second day, Dr. Kinam Park,



Kinam & Haesun Park (center) with the symposium speakers (Photo by John Underwood/Purdue University)

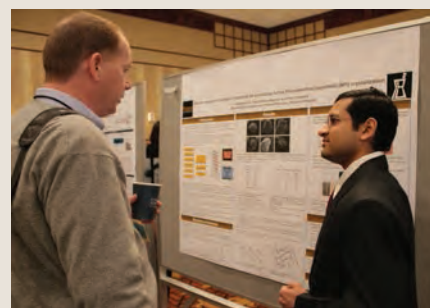
Professor of Pharmaceutics of IPPH and Showalter Distinguished Professor of Biomedical Engineering, headed the roundtable discussion on "Creating the Future of Drug Delivery Technologies."

Forty-eight graduate students from Purdue and the University of Illinois at Urbana-Champaign presented posters and competed in a poster competition. Five of the best were selected, and those students gave five-minute presentations on the final day of the symposium. Of those five were two IPPH graduate students Joonyoung Park (Dr. Yeo lab) and Arjun Kalra (Dr. Li lab).

One of the most memorable moments of the symposium was a celebration dinner for Dr. Kinam Park on Thursday evening. Over 100 guests gathered in the Shively Club at the Ross-Ade Pavilion on campus for a reception, dinner, and roast of Dr. Park to honor his 30 years of research. Friends and former students recounted

stories, memories, and thankfulness for his influence on their lives and research.

The symposium was hosted by the Department of Industrial and Physical Pharmacy, the College of Pharmacy, and the Weldon School of Biomedical Engineering at Purdue University. More photos from the event can be viewed at www.ipph.purdue.edu/features/2015-02-2527.PeckSymposium.



IPPH graduate student Mitul Patel (right) discusses his poster (Photo by DeEtte Starr/IPPH)

SAVE THE DATE!

The 13th Annual Garnet E. Peck Symposium will be held on March 30 & 31, 2016.

Additional information can be found in the next edition of *The Purdue Pharmacist* or by visiting www.ipph.purdue.edu/peck.



Smoke Free Giant Eagle:

Driving Smoking Cessation Among Customers of a Regional Supermarket Chain

Since 2012, Pfizer IGLC (Independent Grants for Learning and Change) has awarded more than \$6.5 million in grants focused on smoking cessation to 44 organizations nationwide. In the first round of funding, the Purdue College of Pharmacy, in conjunction with PVI, PeerView Institute for Medical Education, was selected as a grant recipient to develop, implement, and assess the impact of a pharmacy-based tobacco cessation intervention as part of the “Smoke Free Giant Eagle” initiative. Counseling interventions are provided to patients who smoke, asking them about tobacco use, advising them to quit, and providing referrals to the tobacco quitline (*Ask-Advise-Refer*).

The College has been working with Frank Vitale, National Director of the Pharmacy Partnership for Tobacco Cessation, and Giant Eagle, a regional supermarket chain with 229 stores throughout Western Pennsylvania, Ohio, West Virginia, and Maryland that serves 4.6 million customers annually. Among Giant Eagle’s 36,000 employees are 900 pharmacists who work in the pharmacies embedded in a large percentage of their supermarkets. Prior to their customer-focused *Ask-Advise-Refer* initiative, Giant Eagle conducted a pharmacist-driven, employee-targeted tobacco cessation program that yielded positive results. The initiative utilized a mix of pharmacist-led small group cessation counseling and one-on-one, individual cessation counseling sessions. An estimated 70-85% of participating Giant Eagle employees quit smoking within 30 days of their final counseling session, with 45-55% continuing to abstain after three months.

The success of this pharmacist-driven counseling, coupled with the demographic similarity between Giant Eagle’s employee population and its customer population, encouraged Giant Eagle leadership to expand their tobacco cessation efforts to their pharmacy customers. A total of 712 Giant Eagle pharmacists participated in either a live or an on-demand *Ask-Advise-Refer* training program, and they anticipate that an estimated 50,000 customers will be asked annually about their smoking status and receive appropriate cessation interventions in West Virginia, Ohio, Maryland, and Pennsylvania. Encouraged by the success of their employee and customer smoking cessation campaigns, Giant Eagle’s pharmacy department is now soliciting local companies to

become wellness clients, with smoking cessation being a key focus.

According to Marlene Heeg, Managing Director of the Office of Continuing Education and Professional Development at the College of Pharmacy, “One of the successes of our continuing education program can be attributed to the strong collaborative effort with our College’s faculty. Their disease state expertise has enabled us to develop creative and interesting CE opportunities for pharmacists, such as our initiative with Giant Eagle.” Karen Hudmon, Professor in the Department of Pharmacy Practice, who has been actively engaged in expanding the pharmacist’s scope of practice in the area of tobacco cessation for nearly two decades, views the community pharmacy as a key player in tobacco control – particularly with the recent removal of tobacco products from CVS pharmacies. “To dispense medications to treat tobacco-induced disease, without addressing the underlying cause, is inconsistent with our roles as clinicians and is a disservice to our patients.” Dr. Hudmon views the success of the Giant Eagle project as a natural extension of a pharmacist’s skill sets and a big step forward in the emerging area of public health pharmacy.

The College appreciates having had this opportunity, made possible by Pfizer funding with guidance from the Smoking Cessation Leadership Center at the University of California San Francisco, to contribute to positive change for smoking cessation efforts at Giant Eagle.



Pfizer Grant to Support Role of Respiratory Therapists in Tobacco Cessation

The College of Pharmacy is pleased to announce that it was selected once again, in the second round of Pfizer IGLC funding, as a 2015 grant recipient. In this new interprofessional endeavor, it will expand the role of respiratory therapists in tobacco cessation. This project, which aims to fill a recently-identified gap in the tobacco cessation training of respiratory care students, will equip faculty from 442 respiratory care degree programs with the necessary knowledge, skills, and teaching materials for training respiratory care students to assist patients with quitting smoking. More information about this grant will be shared in a later publication.

FACULTY SPOTLIGHT

Dr. Ryan Drenan

Assistant Professor of Medicinal Chemistry & Molecular Pharmacology



Dr. Ryan Drenan says he became interested in neuroscience while in college at the University of California San Diego, where he received his BS. “Although it wasn’t what I started out doing in college, there was so much interesting neuroscience research going on there that it was hard to avoid being exposed to it,” he says. He went on to pursue a PhD from Washington University and a postdoctoral fellowship at the California Institute of Technology. “In graduate school, I was not doing neuroscience research until I happened to discover and clone a new gene that was mainly found in the brain. That discovery led me back into neurobiology, which I pursued in my postdoc at Caltech.”

Dr. Drenan joined the Purdue faculty as Assistant Professor of Medicinal Chemistry and Molecular Pharmacology in 2011. “Students—whether a graduate student, PharmD student, medical student, or undergraduate (and I work with all of them)—are always challenging faculty to bring their best into the classroom or lab,” he says. “Students come to Purdue to receive a great education and to be involved in cutting-edge research and discovery, and I like that students encourage me to meet that expectation regardless what I might be doing on any given day.”

His research interests focus on dopamine neurotransmission regulation and studying perturbations in the dopamine system that are relevant to human disorders. In August 2014, he was awarded a five-year R01 grant from the National Institutes of Health/ National Institute on Drug Abuse (NIH/ NIDA) for a total of \$1,677,829. The award funds a project in his laboratory where he and his team will identify nicotine receptors in the brain responsible for nicotine addiction, as well as study how nicotine exposure changes these receptors and the circuits where they reside. The College of Pharmacy is pleased to have Dr. Drenan describe this research in his own words in the following segment.

“My laboratory utilizes an interdisciplinary approach to study the molecular biology, neurobiology, and in vivo action of neuronal nicotinic acetylcholine receptors (nAChRs), a heterogeneous family of ligand-gated, cation-selective channels. Cholinergic neurotransmission is essential for cognitive processes such as arousal and sensitization to incoming stimuli, and is manipulated in smokers by the action of nicotine. By leading to diseases such as emphysema, lung cancer, and heart disease, nicotine addiction claims over 400,000 lives per year in the United States. Although nAChRs have been intensively studied for decades, little is known about the properties of specific nicotinic receptor subtypes or their function in the central nervous system. The goal of our research is to better understand these proteins, the neurons that express them, and the circuits they govern. Our work, which employs mouse models, seeks to study nAChRs in their native subunit arrangement and in their native cell types in the brain. Our main project in the lab is described next.

We are interested in identifying the complex nAChR subtypes on dopamine neurons that are most important for the rewarding response to nicotine. We are also interested in understanding how exposure to rewarding nicotine concentrations alters synaptic plasticity within the dopamine pathway. We use genetically-modified mice to isolate and amplify the action of specific nAChR subtypes within this pathway, followed by functional analysis of these nAChRs using brain slice patch clamp electrophysiology, neurochemical approaches, and behavioral assays. We also employ biolistic labeling of neurons in brain slices, followed by confocal microscopy, to image neurons and study structural changes in cells that have been exposed to nicotine.

Another project in the lab involves understanding which nAChRs and brain areas are important for nicotine withdrawal. We think that withdrawal is at least as important as nicotine reward. After all, most smokers will tell you that it is the bad feelings associated with trying to quit, and not the explosive high during smoking, that prevents them from successfully quitting.

Lastly, we are interested in discovering new chemical compounds that might allow us to selectively activate or modulate specific nAChR subtypes involved in these processes. These compounds may be useful as research tools or as therapeutics to treat disorders such as nicotine addiction, Parkinson’s Disease, or ADHD.”



Dr. Drenan in his laboratory



PROFESSOR AND STUDENT WIN

Teaching Awards

Dr. Kim Plake, Associate Professor of Pharmacy Practice, is a 2015 recipient of the *Charles B. Murphy Outstanding Undergraduate Teaching Award*. The Murphy Award, named after Charles Murphy, a history professor at Purdue from 1927 to 1970, is awarded annually in recognition of outstanding teaching in all phases of undergraduate instruction at the West Lafayette campus. The Murphy Award is the University's highest undergraduate teaching honor and is

a wonderful recognition of Dr. Plake's excellence as a teacher in our program at the College of Pharmacy. **Dr. Marwa Noureldin** (PharmD 2009), a doctoral student in the Department of Pharmacy Practice studying under the direction of Dr. Plake, is the recipient of the 2015 *Graduate School's Excellence in Teaching Award*. This is Purdue University's highest award in recognition of graduate student teachers. Dr. Noureldin was presented a plaque and \$500 at the 17th Annual Celebration of Graduate Student Teaching Excellence on April 29, 2015. The event included a networking reception for awardees and guests followed by an award ceremony in the Shively Club at Ross-Ade Pavilion. The College of Pharmacy is proud to have both mentor and mentee recognized for their dedication to outstanding teaching.

Kim Plake: What does it mean to you to receive the Murphy Award? *Winning this award for something that I love and would do regardless is a little surreal, and it's an honor to be recognized by my peers at the University. One of my favorite aspects of my career is mentoring students. Though I don't have a clinical practice and interact very little with patients at this stage in my career, I feel that I have an impact on patient care by teaching students about pharmacy practice and how to engage patients in bettering their health outcomes. I feel that the true reward of my endeavors occurs every year through watching the success of our students as they expand their skills and become excited about pursuing the profession that I love.*

KP: What do you enjoy most about teaching? *It is difficult to choose one, but my favorite part of teaching is to watch the students' professional and personal development while they are at the University. I love being a part of their journey.*

Marwa Noureldin: What does it mean to you to receive a graduate student teaching award? *I am very humbled to be selected as a recipient of the graduate school teaching award. Purdue is a great academic institution dedicated to student*



(L to R) Teaching award recipients Marwa Noureldin and Kim Plake

learning, and it is a great honor to receive an award for something I enjoy doing. I like interacting with students one-on-one and observing how students develop their knowledge and skills and transition into young professionals.

KP: Please comment on what it means to you to have Marwa receive a graduate student teaching award.

One of the most enjoyable aspects of my career is to watch the success of my students in pursuing their passion in teaching, research, and service. Marwa has gone beyond what is typically expected

of our teaching assistants and graduate students. Not only did she receive the Graduate Teacher Certificate, but she completed the Advanced Graduate Teacher Certificate. To see such a deserving student receive an award acknowledging her accomplishments made me feel like a 'proud parent.' Marwa plans to become a faculty member and she will be fabulous scholar, educator, and mentor.

KP: What have you enjoyed most about working with Marwa? *I met Marwa when she began her first professional year in the PharmD program. I have grown to know her and been able to celebrate personal events and professional successes. I have witnessed her professional development from the beginning to now as her dissertation defense draws near. Marwa is a talented graduate student, and I have been able to learn from her as I served as her mentor.*

MN: What have you enjoyed most about working under Dr. Plake's direction? Has she influenced your teaching approach? *Dr. Plake has had a huge impact on my professional development and has always provided guidance and support, striving to ensure that her graduate students get the full academic experience and are ready for their future career. I've enjoyed working with her on several endeavors, such as scholarship of teaching and learning projects where we evaluated the impact of simulation activities on student learning.*

Dr. Plake has influenced my teaching philosophy. Pharmacy education should aim to graduate pharmacists who are professional, empathetic, and life-long learners. Her teaching stresses the importance of the humanistic side of health care and understanding patients' attitudes and behaviors. She mentors students regularly both inside and outside the classroom and strives to advance pharmacy education in a way that inspires me and others.



FACULTY & STAFF NEWS



Dr. Mark Cushman, Distinguished Professor of Medicinal Chemistry, has been awarded a new U.S. patent entitled “Synthesis and use of

dual tyrosyl–DNA phosphodiesterase I (TDP1) – topoisomerase I (TOP 1) inhibitors.” This patent is for novel compounds that demonstrate anticancer activity.

He has also been selected to receive a University of California San Francisco *150th Anniversary Alumni Excellence Award*. In celebration of their anniversary, UCSF is recognizing 150 luminary alumni who have made distinguished contributions on a local, national, and global scale in research, clinical care, education, business, or public service.



Dr. Jasmine Gonzalvo, Clinical Associate Professor in the Department of Pharmacy Practice and Clinical Pharmacy Specialist for

Ambulatory Care, has been elected to the American Association of Diabetes Educators (AADE) Board of Directors. She will serve a three year term.



Dr. Karen Hudmon, Professor of Pharmacy Practice, is leading a project that will create “virtual patients” and educational assessments to help medical,

nursing, and pharmacy students learn how to counsel patients to quit smoking. The project received \$1.6 million from the National Institutes of Health, and the teaching and learning tools developed through the project will be available for free to health professional schools and the public. Read more at www.pharmacy.purdue.edu/news/december-19-2014-dr-karen-hudmon-leads-project-help-students-learn-how-counsel-patients-quit.



Dr. Alex Isaacs, Clinical Assistant Professor in the Department of Pharmacy Practice, has been elected as Secretary to the

Indiana College of Clinical Pharmacy.



Prof. Jane Krause, Clinical Associate Professor of Pharmacy Practice, is the recipient of the *Ron Fosnaugh Outstanding Faculty*

Fellow Award for Wiley Hall in recognition of her service work. She also received a 2015 *Innovation in Teaching and Learning Award* during the College of Pharmacy faculty retreat this spring.



Dr. Chelsea Leeper has been appointed a project manager at the Center for Medication Safety Advancement and holds a courtesy

appointment as Clinical Assistant Professor of Pharmacy Practice. After receiving her PharmD from Purdue, she completed a two-year Health-System Pharmacy Administration Residency at the Johns Hopkins Hospital in Baltimore, MD, and an MBA in Medical Services Management through the Johns Hopkins University Carey Business School. Her current role within CMSA is focused on developing research and education around medication safety within transitions of care. Her professional interest areas include process improvement strategies, leadership development, and ambulatory care and outpatient pharmacy-based initiatives.



Dr. Monica Miller, Clinical Assistant Professor of Pharmacy Practice, received the *Erin Slater Mentoring Achievement Award*

from the Purdue Chapter of College Mentors for Kids during the Helping Hands Awards Banquet on April 8, 2015. With over 70 nominations for this award, this is quite an honor and recognition for Dr. Miller’s outstanding mentoring. Read more at www.pharmacy.purdue.edu/news/april-8-2015-%E2%80%93-dr-monica-miller-receives-mentoring-award.



(L to R) Hamid Abbaspour, Chiwook Park, and Dean Craig Svensson

Dr. Chiwook Park, Associate Professor of Medicinal Chemistry and Molecular Pharmacology, is the recipient of the 2015 *Dr. Aziz Teacher of the Year Award*. This award is presented by the College of Pharmacy in recognition of the outstanding contributions by the recipient to the students. The award was established by Hamid Abbaspour (BS 1985) in memory of his brother Dr. Aziz Abbaspour. Dr. Park was presented the award during the Pharmacy Graduation Banquet on May 1, 2015.

Drs. Catherine Hill and Val Watts are designing insecticides that target dopamine receptors in disease-transmitting mosquitoes (Purdue Agricultural Communication photo/Tom Campbell)



Dr. Rodolfo Pinal, Associate Professor of Industrial and Physical Pharmacy, has been elected to the Purdue University Innovator Hall of Fame

which recognizes Purdue faculty members who have developed new technologies and founded companies to bring their ideas to market. Dr. Pinal has been recognized for developing new technologies for precision compounding of drugs, commercialized through BioKorf, LLC.



Dr. Lynne Taylor, Professor of Industrial and Physical Pharmacy, is the recipient of the 2014 *Chaney Faculty Scholar Award*, the highest research

award given to faculty by the College of Pharmacy. The award recognizes her achievements in research to improve drug delivery through advances in pharmaceutical formulation and manufacturing processes. Read more at www.pharmacy.purdue.edu/news/december-12-2014-dr-lynne-taylor-receives-chaney-faculty-scholar-award-0.

In December 2014, **Dr. Alan Zillich** was



appointed William S. Bucke Professor. He also serves as Head of the Department of Pharmacy Practice and holds appointments at the

Regenstrief Institute and Roudebush VA Medical Center. The professorship is named in honor of William Bucke, founder of the local company Lafayette Pharmacal, Inc., who was a longtime friend of the College. You may read more about Dr. Zillich's appointment at www.pharmacy.purdue.edu/news/december-20-2014-dr-alan-zillich-appointed-william-s-bucke-professor.



Dr. Val Watts, Interim Head and Professor of Medicinal Chemistry and Molecular Pharmacology, and other Purdue researchers have identified a new class of chemical insecticides that could provide a safer, more selective means of controlling mosquitoes that transmit key infectious diseases such as dengue, yellow fever, and elephantiasis. Read more at www.pharmacy.purdue.edu/news/april-1-2015-new-class-insecticides-offers-safer-more-targeted-mosquito-control.

Dr. Watts was also a recipient of the 2015 *Innovation in Teaching and Learning Award* during the College of Pharmacy faculty retreat this spring.



Hu



Snyder



Vincent



Weber

The College of Pharmacy is pleased to announce that the following faculty promotions were approved by the Purdue Board of Trustees on April 10, 2015.

Dr. Chang-Deng Hu, Professor of Medicinal Chemistry and Molecular Pharmacology

Dr. Margie Snyder, Associate Professor of Pharmacy Practice

Dr. Ashley Vincent, Clinical Associate Professor of Pharmacy Practice

Dr. Zachary Weber, Clinical Associate Professor of Pharmacy Practice



After 38 years of service at the Purdue College of Pharmacy, **Dr. Marc Loudon**, Gustav E. Cwalina Distinguished Professor of Medicinal Chemistry, gave his last lecture for MCMP 204 on May 1, 2015. He spoke about the chemistry of Cytochrome P450 oxidations, and current and former students and colleagues were invited to attend. More about his retirement will appear in the Winter 2016 edition.



Pharmacy Office of Advancement News

Amy Chandler has been appointed Communications Manager for the College of Pharmacy. She has been serving as Writer/Editor of Pharmacy Alumni Publications for the past several years. In her expanded role, she will continue to write and edit *The Purdue Pharmacist* and *Mortar & Pestle*, and will also oversee consistency in branding for College publications, provide support for posting of news items on the website, and create communications materials.



Angela Davis resigned at the end of March as Manager of Development Operations and Donor Relations to take on an exciting opportunity as a Development Officer at the Wisconsin Historical Foundation located in Madison. She has been a tremendous member of our advancement team in the College of Pharmacy for over three years and a wonderful colleague to all during her cumulative 10 years at Purdue. Her commitment to the University and College—through our donors, alumni, faculty, and staff—has been limitless, and her understanding of and expertise in the area of donor relations and stewardship has been exemplary. We wish Angela the very best in this next chapter in her life.



Kathryn “Katie” Skeel joined the College of Pharmacy as Manager of Development Operations and Donor Relations in May 2015. In this role, she manages the stewardship efforts for the College of Pharmacy, coordinates the annual giving program and class gift campaigns, handles all gift processing, and works closely with the College’s Corporate Partners Program. Prior to this appointment, she served as Advancement Administrative Assistant in the College of Veterinary Medicine since 2011, and as Assistant to the Director of Information Services with the University Development Office from 2007 to 2011.



Katie, a lifetime Boilermaker fan, resides in West Lafayette with her husband, Josh, and their dog, Thor. She enjoys spending time with her family—especially her nieces and nephews, relaxing at the lake, and traveling. “I am excited to become part of the College of Pharmacy family,” she says, “and I look forward to meeting you the next time you are on campus or at a College event.”

Symposium Honors Dr. Richard Gibbs (1961-2014)

The Division of Medicinal Chemistry of the American Chemical Society (ACS) hosted a “Symposium in Honor of Richard Gibbs” during the American Chemical Society National Meeting in Denver, Colorado, on March 24, 2015. Approximately 100 members of the ACS were in attendance.



Dr. Richard Gibbs

The symposium was organized by Professors Brian Blagg and Thomas Prisinzano, both of the University of Kansas. Dr. Richard Gibbs, who served as Associate Dean for Graduate Programs and Professor of Medicinal Chemistry and Molecular Pharmacology, was diagnosed with pancreatic cancer in November 2013 and sadly lost his battle to the disease on February 10, 2014. The symposium honored Dr. Gibbs’ lifetime work on the design and synthesis of anticancer agents, and for research probing the post-translational modifications of GTPases that are involved in cancer cell signaling. He served as an academic councilor to the Division of Medicinal Chemistry of the ACS from 2008-2013.

Dr. Mark Cushman, Distinguished Professor of Medicinal Chemistry, was invited as one of five speakers at the symposium where he discussed “Targeting indenoisoquinoline topoisomerase I inhibitors to cancer cells” in honor of his late colleague. He also highlighted some of Dr. Gibbs’ major scientific accomplishments on the development of inhibitors of prenylation of Ras-GTPases and inhibitors of isoprenylcysteine carboxyl methyltransferase.

DR. JOSEPH BOROWITZ RETIRES



After 46 years of dedication to the Purdue College of Pharmacy, Dr. Joseph Borowitz, Professor of Pharmacology, retired on June 30, 2015. He received his BS (1955) in pharmacy from The Ohio State University, MS (1957) from Purdue University, and PhD (1959) from Northwestern University. After postdoctoral work in pharmacology at Harvard University, he began his

professional career at Wake Forest Medical School in 1964 and later joined the Purdue College of Pharmacy faculty.

Over the course of his career, he published 125 research and scholarly articles. His research focused mainly on cyanide neurotoxicology. With Dr. Gary Isom as principal investigator and Dr. Borowitz as co-investigator, 25 years of grant support was obtained from the National Institutes of Health to study mechanisms of cyanide effects. Cyanide has killed more people acutely than any other chemical, and its toxicology has been well studied. He explains that cyanide is not only poisonous but also is produced in the human body, although its physiological role is not fully understood. The brain has about 1.5 ug of cyanide/gram tissue, and some disease states are associated with elevated levels of cyanide. For example, amyotrophic lateral sclerosis patients have elevated serum levels of cyanide and a deficiency of the enzyme rhodenese which detoxifies cyanide in the body.

Dr. Borowitz is a 1983 recipient of the *Professor Henry Heine Award* presented annually to an outstanding teacher in the College of Pharmacy, selected by its student body for excellence in teaching. In 2010, he received an *Excellence in Teaching Award* from the Indiana School of Medicine, Lafayette Campus, as well as an *Award for Excellence* as an Advisor to the Christian Pharmacists Fellowship International (CPFI), a weekly bible study group for all interested pharmacy students at Purdue.


“Purdue is a fine place to work,” comments Dr. Borowitz. “It is one of the best Colleges of Pharmacy in the world and has outstanding facilities and many talented people. I’m grateful for the opportunity to serve here and I hope to continue a while longer as Emeritus Professor.” His son, Jon Joseph, is a proud Purdue graduate (Civil Engineering). His grandson, Bryan (Jon’s son), received his Purdue degree this past May in Mechanical Engineering, and two other grandchildren, Justin and Kaitlyn, will be attending Purdue this fall.



Dr. Val Watts, Interim Head of the Department of Medicinal Chemistry and Molecular Pharmacology, presented Dr. Borowitz with a plaque recognizing his service to the College during a retirement celebration held on May 21, 2015



Dr. Borowitz (shown with his teammates Mike Wendt, Val Watts, and Eric Barker in 2014) has participated in every BoileRx Golf Outing since its inception in 1996

**THE COLLEGE EXPRESSES ITS
SINCERE GRATITUDE TO DR. BOROWITZ
FOR HIS MANY YEARS OF SERVICE
AND WISHES HIM THE VERY BEST
DURING RETIREMENT.** 

Commencement Celebrations



The College of Pharmacy celebrated the remarkable accomplishments achieved by our Class of 2015 during the month of May. It is with great pride that we send our graduates out into the world to make a positive impact in their future endeavors. Best wishes and congratulations!



Congratulations, Class of 2015!

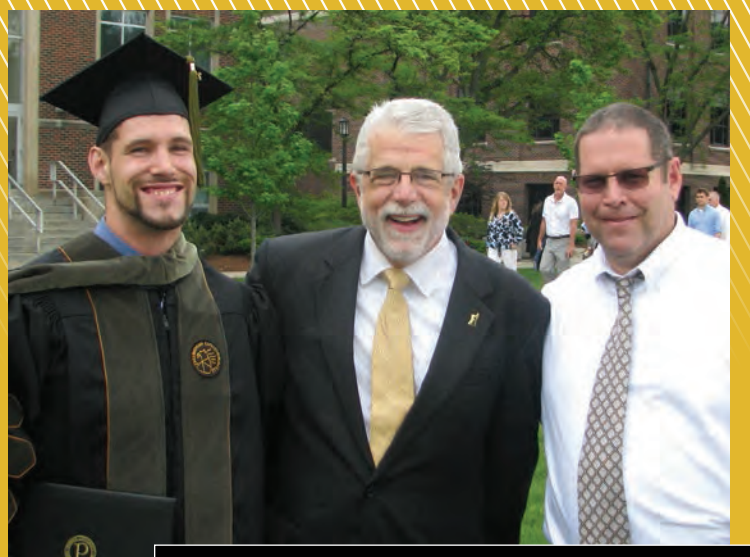
The **Senior Class Gift Luncheon** was held on May 1, 2015, in the Spurgeon Club in Mackey Arena. The Class of 2015 chose to establish the *Phillip C. Slater Scholarship* in memory of their classmate who passed away in December 2012. This tragedy echoed across campus, as Phil's kindness and compassion touched many lives. Through Phil's involvement with the Purdue University Dance Marathon, Society of Nuclear Pharmacy, Phi Delta Chi, and other organizations, he built a network of extended family on campus. Phil left a legacy during his time at Purdue, and the Class of 2015 wants to further contribute to the positive impact he had on his fellow students. Special thanks is extended to Rick (BS 1980) and DeAnna Rondinelli who graciously matched the funds up to \$5,000, bringing the total raised so far in gifts and pledges to over \$23,000 with the goal of reaching \$25,000 to endow the scholarship.

The members of the 2015 Senior Class Gift Committee consisted of Katie Gauen (co-chair), Elizabeth Gill, Katie Harsh (secretary), Wes Hoffmann, Travis Huber, Stephanie Jaward, Jasmine Peterson, Ricky Rivelli (co-chair), Tom Schultz (co-chair), Allison Willis (secretary), and Anita Wong.

The **Graduation Banquet**, A Night at the GRxAMMYS, was held on May 1, 2015, in the Purdue Memorial Union Ballrooms. This year's guests were entertained by student emcees Wes Hoffman, Stephanie Jaward, and Daniel Kerner. A Senior Class Gift report was given by Katie Gauen, Ricky Rivelli, and Tom Schultz. Pharmacy Alumni Board member Prof. Jane Krause (BS 1981, MS 1994) welcomed the graduating class into the pharmacy alumni family.

On May 2, 2015, the College hosted the **BSPS Dinner** in the Anniversary Drawing Room of the Purdue Memorial Union. Guests at the event were welcomed by classmates Hayli Bittner and Elizabeth Thompson, and all graduates had the opportunity to introduce their family and friends and share their future plans. Dr. Chris Rochet, Associate Professor, Medicinal Chemistry and Molecular Pharmacology, addressed the graduates, and academic awards were presented by Senior Associate Dean Holly Mason.

The **Pharmacy Graduation Reception** was held on May 16, 2015. Refreshments were served to over 500 attendees who gathered outside the Heine Pharmacy Building to mingle and pose for photographs with faculty, staff, friends, and family members.



The College appreciates the generosity of our Corporate Sponsors, CVS/Caremark and Kroger Company, for supporting these celebratory events.



Andrew (far left) poses on the construction site with fellow Habitat for Humanity volunteers

he hopes to someday go on a Habitat mission trip to Nicaragua where he can incorporate his fluency in Spanish. Our students are dedicated to making a difference in the lives of others, and Andrew's story below is an excellent example of how they sometimes step outside of the classroom to make an impact.

"Purdue's Habitat for Humanity Chapter is a growing organization. I joined in the fall of 2014

and have loved participating in the Saturday builds where we as a group go to sites in the Lafayette area and build or work on renovations to give back to Purdue's community. I know first-hand that the need for quality, affordable housing is substantial in our nation, especially so in the greater Lafayette area.

This spring break I decided to devote my time and efforts to volunteering for Beaches Habitat for Humanity in Atlantic Beach, Florida. We put in eight-hour work days building framework, building interior and exterior walls, painting homes, and landscaping. I have some extremely special memories getting to know some of the other college students with a passion for volunteering like me, getting to know the Habitat staff, and most importantly, getting to know some of the families waiting for their new homes to be built. These families are not given their homes for free, but rather, must put in so many 'sweat equity hours' before they can move into their new home with a no-interest mortgage.

I worked alongside Joy, a recently divorced mother of four, and got to know her and learn her story. She told the volunteers and me of her rough childhood and even rougher marriage to an abusive and alcoholic husband. She had left with the kids many times and stayed in shelters, only to return back to her abusive husband since she did not have the means of providing for her children on her own. She told us how she applied for a home through Habitat as her last chance to leave her husband, protect her children, and give them the childhood she never had. She was accepted as a future home owner and was provided with living arrangements in the meantime until her new home was built.

Joy's story made the work that we were doing on these homes so much more real. We weren't just putting up walls in some house, we were making a kitchen wall and a breakfast counter where Joy could make breakfast for her children before they leave for school. She put a face to the hard work we were doing and showed me how every little act of service does not go unnoticed."

ANDREW WAKEFIELD: My Spring Break

Andrew Wakefield says he loves meeting new people, creating meaningful relationships, and helping others, and that his parents have been instrumental in fostering his passion for caring for and serving others. In high school, he excelled in math and science and was naturally drawn to pursuing a career in health care. "Pharmacy stood out to me above other health professions because it integrated so many realms of science into one career," he says. "I was drawn to pharmacy by how versatile the degree was and how a pharmacist is needed in so many different fields."

Initially, he chose Purdue because of its great reputation, academic standard, and close proximity to his family home in Carmel, Indiana. After arriving on campus and becoming immersed in its environment and rich history, he realized that, "Purdue is so much more than my school; it's my home away from home."

Andrew, who will enter his first professional year as a PharmD student this fall, is spending his second summer working at Westfield Pharmacy, a small independent retail pharmacy. Although still early in his pharmacy academic career, he has already volunteered as a pharmacy technician at both the Trinity Free Medical Clinic in Carmel and Florida Hospital in Zephyrhills.

His desire to help others continues to flourish, and Andrew decided to forgo a relaxing spring break for volunteering. He had the opportunity to represent the College of Pharmacy by speaking at the Chicago Regional Alumni event held on April 7, 2015, about his volunteer experience with Habitat for Humanity during his spring break in Florida. He had such a remarkable experience participating in the Habitat Collegiate Challenge 2015 that





Pharmacy Days

The Purdue Pharmacy Ambassadors welcome you to join us for the 2015 Pharmacy Days Career Fair! With over 500 students in attendance annually, Pharmacy Days is a great opportunity for employers to establish a company presence with the Purdue University College of Pharmacy and our students. Registration is now open. For more details, please visit www.pharmacy.purdue.edu/pharmacy-days.

■ Employer Roundtable Discussions

October 27, 2015
9:00-11:00 AM
PMU North Ballroom

■ Career Fair/Residency & Fellowship Forum

October 27, 2015
12:30-4:00 PM
PMU South Ballroom

■ Summer & Professional Interviews

October 28-29, 2015
8:30 AM-5:00 PM
CCO Suites - Young Hall



SIXTY SECONDS

With a Graduate Student

Monika Lavan

**Bachelor of Science, Biochemistry, 2013,
Louisiana State University**

**Doctoral Student, Department of Industrial
and Physical Pharmacy**

Anticipated Graduation Date:
August 2017

Hometown:
Phnom Penh, Cambodia

Major Professor:
Dr. Gregory Knipp

Research Interests:
Preliminary investigation into delineating the molecular and functional roles of enabling excipients on *in vitro/in vivo* permeation across physiological barrier

Thesis Title:
In vitro/in vivo Evaluation of Peripheral Endothelium Drug Permeation

Awards and Honors:
Louisiana State University National Scholars' Award (2009-2013); Appino Family Graduate Fund in support of *IPPH 562 Manufacturing Processes* course (Fall 2014)

Why did you choose Purdue?
Purdue is well-known for using a practical approach to educate the students and providing them with access to cutting-edge tools and technology. Also, being able to interact with a big and diverse group of people really helps enrich my experience here as a graduate student. I know that my journey at Purdue will be an enjoyable one.

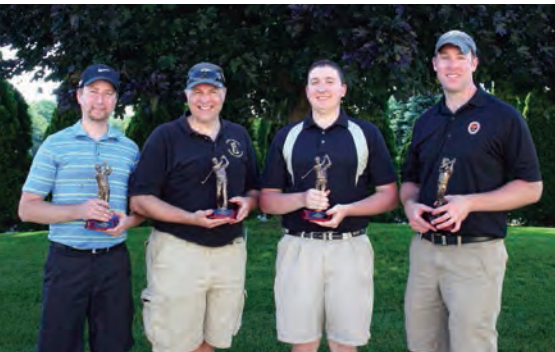


Post-graduation plans:
I would like to be in the pharmaceutical industry where scientists work as a team to promote discovery, development, and manufacturing of drug products.

"Purdue provides an excellent environment to support my personal and professional growth. As a graduate student at the College of Pharmacy, I have the opportunity to focus on my research as well as broaden my **knowledge in the field** through my interaction with faculty and students of diverse backgrounds."

19TH ANNUAL BOILERX GOLF CLASSIC

The College of Pharmacy held its 19th Annual BoileRx Golf Classic on June 5, 2015. All of the golfers played the Kampen Course at the Birck Boilermaker Golf Complex. We appreciate all of our participants for joining us on a gorgeous day to spend time with friends and raise money for the Pharmacy Alumni Scholarship fund.



1st Place Team (L to R) Andy Campbell (PharmD 2015), Alan Farkas (BS 1991, MS 1995), Sean Lombardo (PharmD 2015), and Mitch Love (PharmD 2015)



2nd Place Team (L to R) John Newman, Pat Prina, Carl Hudson (BS 1965), and Ernie Presser



3rd Place Team (L to R) Isaiah Ireland, Marc Casper, Micah McAfee, and Josh McAfee (PharmD 2005)

Thank you to the following sponsors who helped make this event so successful!

- Class of 1976
- Class of 2003
- InTouch Pharmaceuticals (Lunch)
- McAfee Law Office, LLC
- Steve (PhD 1975) & Lisa Nail
- John Nine (BS 1963, HDR 1983) (Beverage Cart)
- Joel Pietryga (PharmD 2006) & Brad Given (PharmD 2007)

The College extends its gratitude to our corporate sponsors, CVS/Caremark Corporation and Kroger Company, for their continued support.



CVS Team A (L to R) Brian Shepler (BS 1998, PharmD 1999), Chad Buhr (BS 1996), Mark Bunton (BS 1995), and Wes Horner



Kroger Team (L to R) Andy Switzer (BS 1995), Stacy Doyle, Chelsea Christopher, and Tom Wojcicki

MARK YOUR CALENDAR

20th Annual BoileRx Golf Classic Friday, June 3, 2016

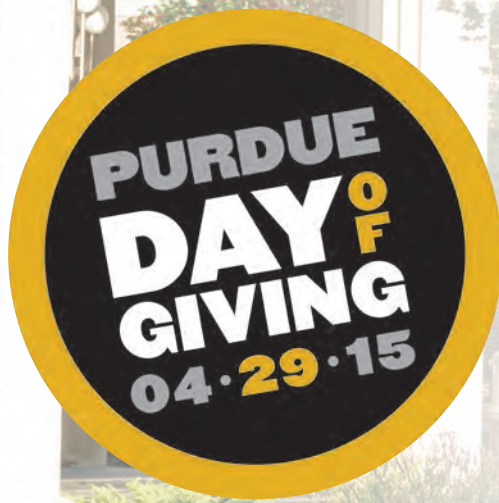
For more information, please contact Dana Neary, Manager of Alumni Relations and Special Events, at nearyd@purdue.edu or (765) 494-2632.



The entire University community came together for the second annual Purdue Day of Giving on April 29, 2015. Purdue Day of Giving is a 24-hour, online event that encourages students, faculty, staff, alumni, donors, and friends from all campuses to contribute to the University. Our event was an overwhelming success, netting \$13,695,951 from 9,592 donations—surpassing last year’s \$7.5 million total and setting a record for most dollars raised for higher education through a single-day campaign. The fundraising event also set Purdue records for number of donations received and number of countries represented—from all 50 states and from 37 countries!

Plus, challenge opportunities took place throughout the day in order to amplify funds for the various units across campus. Some units won a share of \$100,000 based on their percentage of total amount raised on Purdue Day of Giving, and the College of Pharmacy earned 6.3% of bonuses, resulting in an additional \$6,261!

Fun Facts about the College of Pharmacy’s success during the 2015 Purdue Day of Giving:



- We ranked 6th out of 42 in total giving among other units at the University
- \$765,315 was raised (vs. \$212,198 in 2014) by over 135 donors
- 72% of donors were Pharmacy alumni
- Graduation years of donors ranged from 1954 to 2015
- 20 donors either are current students or graduated within the past five years. The average gift amount for this group on the Day of Giving was \$137.50
- Gifts came from donors living in 22 different states and two countries with 61% of the donors living in Indiana
- Many donors were new contributors to Pharmacy and several increased their giving amounts from the previous year

“We give back to Purdue because our degrees have afforded us a great standard of living, and we want our donation to help keep the Purdue College of Pharmacy at the forefront of schools in the country. We have donated almost every year since we graduated, so we decided to make our gift on the Purdue Day of Giving. We met at Purdue, our son and daughter graduated with Purdue degrees, we are John Purdue members, and we are season ticket holders to Purdue Basketball. We are just proud to be Boilermakers!”

C. Jay & Diena (Schone) Beyer (both BS 1983)



College of Pharmacy

Pharmacy Alumni News



Greetings from O1e Purdue!

The summer of 2015 has passed by so quickly! It is great to have the students back on campus, and we are gearing up for a great fall full of wonderful activities for our students and alumni. Please be sure to mark your calendars for our upcoming events.

This edition of *The Purdue Pharmacist* features great stories about our 2015 Graduation activities as well as our BoileRx. We wish our new alumni the very best of luck on a future that I am sure will be full of success. We also welcome them into the Purdue Pharmacy Alumni Family!

The fall of 2015 will see the College traveling to Orlando, Florida, to host a reception at the AAPS meetings and to New Orleans, Louisiana, in December to host a reception at the ASHP midyear meeting. Our traditional fall events on campus are at different times this year; the Donor Brunch will be held in October while Homecoming has moved to November.

Please remember to keep us updated on what is going on with you. Also, remember to stay connected with us on Facebook (Purdue College of Pharmacy Alumni), Twitter (@purduepharmacy), and LinkedIn (Purdue Pharmacy Alumni Group).

Pride, Passion, Pharmacy, Purdue!



Dana Neary
 Manager of Alumni
 Relations & Special Events
 nearyd@purdue.edu
 (765) 494-2632

2015-2016 Pharmacy Events Calendar

DATE	EVENT
September 9, 2015	Pharmacy First Nighter
September 19, 2015	Family Day
September 20, 2015	White Coat Ceremony
October 26, 2015	Alumni & Friends Reception at the AAPS Meetings in Orlando, FL
October 31, 2015	Pharmacy Donor Recognition Brunch
November 5, 2015	Jenkins-Knevel Graduate Student Research Symposium
November 6, 2015	Alumni & Student Chili Supper
November 7, 2015	Pharmacy Homecoming Tailgate
November 8, 2015	Pharmacy Class of 1965 Breakfast
TBA	Varro E. Tyler Distinguished Lectureship
December 6, 2015	Alumni & Friends Reception at the ASHP Midyear Meeting in New Orleans, LA
March 30-31, 2016	13th Annual Garnet E. Peck Symposium
March 31-Apr. 1, 2016	Distinguished Alumni Awards Program
April 14-15, 2016	Pharmacy Women for Purdue Spring Conference

For more information about upcoming events, please visit
www.pharmacy.purdue.edu/events.

HAPPENINGS



Students Visit Bristol-Myers Squibb

On March 30, 2015, Brooke Linn, Assistant Director of Student Services, and Brian Shepler, Assistant Dean for Experiential Learning, organized a site visit at Bristol-Myers Squibb (BMS) located in Mount Vernon, Indiana, for a tour of the facilities.

Dr. Ryan McCann (BS 2006, PhD 2014), a senior process engineer at BMS, hosted the visit. Twelve BSPS students and one PharmD/PhD student attended. The students took multiple tours of the facility and had time to meet with the company's leadership team and representatives from different areas of the facility. Each student had the opportunity to prepare a question prior to the visit, and the company managers were able to answer those questions during one of their sessions. Below are some of the comments the students had about their visit to BMS.

"I enjoyed getting to meet as many people as possible. Hearing the veteran employees' stories is very beneficial to younger collegiate students trying to find their path."

"I thoroughly enjoyed the tours over the presentations. Actually seeing the machinery and facilities helped me to understand the processes. Since manufacturing is so complex, it's hard to imagine what is happening when someone is only speaking about it."

"Many positions throughout the organization were explained, and I think students benefit from visualizing such a large-scaled facility before applying. I believe many students had more interests and open minds after the visit."

Pharmacy Student Team Wins 2nd Place at AMCP National P&T Competition

The Academy of Managed Care Pharmacy (AMCP) National Student Pharmacist Pharmacy & Therapeutics (P&T) Competition Semi-Finals were held at the AMCP Annual Meeting in San Diego, California, on April 9, 2015. Fifty-five teams from AMCP Student Pharmacist Chapters across the country competed, and eight semi-finalists were invited to compete in San Diego. The College of Pharmacy is pleased to announce that its team won 2nd Place.

Student teams worked through a case study involving a drug product dossier for ipilimumab (Yerovy®) based on the AMCP Format for Formulary Submissions. Using available evidence, teams presented their recommendations for formulary placement to a panel of judges representing a P&T committee.

The Purdue team consisted of third professional year PharmD students **Hannah Le**, **Helen Shao**, and **Limin Zhang**, and second professional year PharmD student **Madeline Merkel**. The students were awarded a plaque and the College of Pharmacy will receive a \$1,500 scholarship. The team would like to thank their AMCP Purdue Chapter Advisor, Dr. Amy Heck Sheehan, Associate Professor of Pharmacy Practice, as well as Drs. Cindi Koh-Knox, Joseph Thomas, and Kellie Jones Weddle and for their guidance and support. "I am very proud of our chapter's dedication to this challenging competition," comments Dr. Sheehan. "Our team prepared a detailed analysis of the clinical and economic evidence and presented their recommendations with confidence. It was an honor to represent the Purdue College of Pharmacy and to showcase our students' skills on a national stage."



(L to R) Dr. Amy Heck Sheehan poses with the winning team members Helen Shao, Limin Zhang, Hannah Le, and Madeline Merkel



PharmD Student Selected as ASHP Representative

Six student members of the American Society of Health-System Pharmacists (ASHP) have been appointed to serve as student representatives on the ASHP Policy Committees for 2015-2016. Of those six, **Rachel Booze**, a PharmD student who will begin her fourth professional year this fall, has been selected to serve on the Council on Pharmacy Management.



Pharmacy Women for Purdue Spring Conference 2015

On April 16-17, 2015, the College of Pharmacy hosted its Pharmacy Women for Purdue (PWFP) spring conference. PWFP supports and encourages professional and leadership development through networking opportunities with alumnae, and we welcomed several guest speakers to campus to share their insight.

Dr. Veronica Vernon (PharmD 2011), Clinical Pharmacy Specialist - Women's Health & STICC from the RL Roudebush VA Medical Center in Indianapolis, presented on "Advances in Reproductive Health: Managing Contraception in Complex Medical Situations." **Carrie Anderson**, Nutritionist/Allergy Specialist and Dining Court Supervisor for the Purdue University Residences, presented on "Food Allergies and Intolerances: Raising Awareness of Pharmacists." Participants were able to earn free Continuing Education credits at both presentations.

Dr. Marilyn Speedie (BS 1970, PhD 1973), Dean of the College of Pharmacy at the University of Minnesota, presented on "Successful Leadership: The Collision of Preparation and Opportunity."

Cher Yazvac, Associate Director of Career Services from the Purdue Center for Career Opportunities, conducted a personality inventory assessment (Jung Typology Test). After completing the test, participants had their results interpreted into the four letter personality types during the presentation.

Denise VanHyfte, a PharmD candidate, gave the keynote address during the luncheon. Afterwards, Allison Distefano, Outreach Coordinator for the Lafayette YWCA Domestic Violence Intervention and Prevention Program, gave a brief overview of information regarding domestic violence from a health care perspective. For their community service project this year, PWFP collected donations for the Lafayette YWCA to support its Domestic Violence Intervention and Prevention Program and Women/Children's Shelter.



(L to R) PWFP Speakers Marilyn Speedie, Cher Yazvac, Carrie Anderson, and Denise VanHyfte

Joanne Barrick (BS 1984) Receives Pharmacy Women's Leadership Award

The 2015 *Pharmacy Women's Leadership Award* was presented to Joanne Barrick (BS 1984), Advisor of Global Process Validation at Eli Lilly and Company in Indianapolis, during the PWFP spring conference. The award is presented annually by PWFP to recognize an alumna of the College who has made significant contributions to and demonstrated exemplary involvement with the College. She must demonstrate significant and sustained volunteer leadership through service to the professional community, as well as demonstrate engagement in the mentorship of colleagues and students.



CLASS NOTES



1960-1969

Wayne Richey (BS 1963) and his wife, Marcia, share a photo (above) of a view overlooking Queenstown, New Zealand, during their visit in March 2015.

1970-1979

Cindy Colling (BS 1973), Albuquerque, NM, has retired from her position as a clinical research pharmacist with the federal government after 35 years.



Randy Hitchens

(BS 1976) was appointed Executive Vice President of the Indiana Pharmacist Alliance (IPA) in March 2015. He

has over 25 years of broad health care experience across independent and chain pharmacies, health systems, hospitals, physicians, managed care, distribution, and health care consumers.

Kyle Lewis (BS 1979) shares that he retired from full-time work after 32 years of service and is now enjoying part-time work.

1980-1989

Marianne Billeter (BS 1986, PharmD 1987) began a new job at McLeod Health. She will be coordinating the clinical pharmacy services for McLeod Regional Medical Center and enhancing clinical pharmacy services in the other hospitals affiliated with McLeod Health.



Joseph Bubalo

(BS 1985) is the recipient of the 2015 ASBMT (American Society for Blood and Marrow Transplantation)

Pharmacy SIG (Special Interest Group) *Lifetime Achievement Award* for his

significant contributions to the field of HCT as it applies to pharmacy practice, including publications, presentations, mentorship, and leadership.

Ed Fennell (BS 1981), Vice President of Business Development at NorthStar Medical Radioisotopes LLC, shares that the company has completed its first production-scale test run of the molybdenum-99 (Mo-99) aliquoting system installed at the University of Missouri Research Reactor (MURR) in Columbia, MS. Mo-99 is the parent isotope of technetium-99m (Tc-99m), the most widely used radioisotope in medical diagnostic imaging. Read more at www.northstarm.com/news/first-run-mo99.

CLASS NOTES

Cheri Robertson (BS 1988), pictured on the right, shares that she works at Humana Mail Order Pharmacy in Irving, TX, and that last year a new pharmacy manager was hired. She soon found



out that the new hire was **Leeann (Boblitt) Flora** (BS 1985) and that they were both at Purdue at the same time. The two posed at work in January 2015 to send a big Boilermaker hello!



In February 2015, **Timothy Tracy** (PhD 1988) was appointed Provost of the University of Kentucky. Prior to this promotion, he served as Dean of the College of Pharmacy at the university.

1990-1999

The Indiana Pharmacists Alliance (IPA) selected **Sean McAlister** (BS 1990) as the recipient of the 2014 *Bowl of Hygeia Award* for outstanding community service.

Brad White (BS 1996) and his father, Paul White, host a weekly radio program, *Health Matters with the Medicine Center Pharmacy*, on WHBC 1480 AM (www.whbc.com). They welcome local health care professionals as guest speakers to discuss a variety of health related topics including heart disease, allergies, cancer, stroke, healthy eating, and arthritis. They recently celebrated hosting over 225 programs on the air. For more information and to hear past programs of *Health Matters*, visit www.medshoprpx.com.

2000-2009

Lindsey Baugh (PharmD 2005) announces the birth of her son, Javen Clay, on November 7, 2014. Javen weighed 7 lbs 15 oz and measured 21" upon arrival.

Karl "Fritz" Disque (BS 2002), Executive Director of the Disque Foundation (www.disquefoundation.org), shares that he, along with 18 other medical professionals, visited the Dominican Republic where they taught surgeons how to perform hernia surgeries and medical students and staff how to save a life. He later learned that while on the trip, the foundation's partnership with National Health Care Provider Solutions (NHCPs) had simultaneously trained over 3,000 people all over the world through online courses—a tenfold greater impact. "The experience in the DR was incredible, and learning about the website training was very humbling. This is a great example of how large an impact it can be to teach others in the global health space."

Brad Given (PharmD 2007), Pharmacy Supervisor of Outpatient Pharmacy (Physician's Office Building) at Aurora St. Luke's Medical Center in Milwaukee, WI, shares that he was part of a team with Aurora Cancer Care that received the 2014 *Foley Cancer Center Innovator Award* which recognizes cancer treatment modernization. His manuscript, "Implementation of Outpatient Pharmacy Chairside Medication Dispensing in Collaboration with Several Ambulatory Oncology Clinics," has also been selected for publication in the *Journal of Oncology Practice*.

Rebecca (Roche) Lackey (PharmD 2004) and her husband, Jay, announce the birth of their son, Spencer, on April 20, 2015. He weighed 7 lbs 14 oz and measured 20 ¾". That



day held significance because Spencer's mommy ran the Boston Marathon in 2013, his daddy ran in 2014, and he was born on the day of

the 2015 Boston Marathon (Marathon Monday). His Grandma Roche endured tremendous injury during the 2013 bombing while watching his mommy run that year. The couple is blessed that Spencer's arrival helps to make Marathon Monday a day to celebrate. Maybe someday he'll be a runner, too!



In February 2014, **Joshua McAfee** (PharmD 2005) opened his own law practice, McAfee Law Office, LLC (www.mcafeelawoffice.com) in Bloomington, IN.

Nicole Noel (PharmD 2008), Director of the Purdue University Pharmacy, and her husband, Mike (BS 2005, Electrical Engineering) are pleased to announce the birth of Andrew Michael, born on



April 15, 2015, weighing 5 lbs 10 oz and measuring 19" long.

Photography by Alisha Brown

In January 2015, BakerHostetler, one of the nation's largest law firms, announced that five lawyers associated with the firm's Washington, DC, office have been elected to the Partnership, of them including **Lee Rosebush** (PharmD 2005). Lee is a member of the Business Group and counsels clients on legal issues related to FDA, FTC, and state board of pharmacy regulation using his experience as a registered pharmacist and a defense, regulatory, and registered patent attorney.

2010-Present

Narinder Kaur Darar (PharmD 2013) has accepted a position as the acute pain management specialist with the Ann Arbor VA Medical Center. She will be working with an anesthesiologist and nurse to develop the consult service.

Kyle and **Amy (Berkshire) Stiner** (PharmD 2013) welcomed their daughter, Madeline Grace, into the world on August 9, 2014.

Veronica (Novak) Vernon (PharmD 2011) was highlighted by Forbes on how she created her dream job to become the first clinical pharmacy specialist focusing on women's health at the Roudebush VA Medical Center in Indianapolis, IN. You can read the full story at www.forbes.com/sites/francesbridges/2014/11/15/how-to-create-your-dream-job/. Also see page 30.

Kathryn Wolpert (PharmD 2010) married Ben Deschner, MD (BS 2009, Neurobiology) on September 6, 2014, in Louisville, KY, at the



Calvary Episcopal Church with the reception following at the Brown Hotel. After a honeymoon in Florida, the couple now resides in Lincoln Park, Chicago, where Ben is a surgical resident at North Western University after graduating in 2013 from Vanderbilt Medical School. Katie is employed at Pharmedica.

IN MEMORIAM

H. John Baldwin (MS 1967, PhD 1969)
Connie (Greer) Bonner (BS 1961)
Dale W. Bush, Jr. (BS 1982)
James R. Carroll (BS 1965)
Jennifer L. Comerford (BS 1997)
Max A. Cowan (BS 1950)
Natalie J. (Kamm) Danielsson (BS 1946)
Joe R. Emerson (BS 1952)
Charles C. Furnish Jr. (BS 1958)
Janet B. Greenlee (BS 1955)

Kenneth R. Heimlich (BS 1954, MS 1956, PhD 1958, HDR 1990)
Ralph R. Heine (BS 1943)
Melvin D. Henderson (BS 1959)
Melvin A. Horwitz (BS 1965)
Ernest F. Kreutzer (MS 1976)
Carolyn R. Mason (BS 1975)
William J. McClintock (BS 1963, MS 1965, PhD 1967)
J. Richard Milroy (BS 1953)
Jim P. Moser (BS 1957)
Harrison L. Rainey, Jr. (BS 1951)
Everett S. Richey (BS 1951)
Robert A. Richey (BS 1951)
Samuel Rubin (BS 1956)
Harold C. Ryan (BS 1949)
Henry N. Schafer (BS 1941)
Sara (New) St. Angelo (PharmD 1989)
Joseph T. Steinberger (BS 1960)
Ned L. Stephenson (BS 1951)
William J. Taylor (BS 1953)
Bradford P. Wirth (BS 1959)
James E. Wood (BS 1974)
Charles W. Woodruff (BS 1963, MS 1968, PhD 1970)
Thomas R. Zuck (BS 1965)

Stay Connected!



Update your contact information and share your news for Class Notes at www.pharmacy.purdue.edu/forms/class-notes-update-form. To submit a photograph, please send the attachment to Amy Chandler, Editor, *The Purdue Pharmacist*, at chandler@purdue.edu.

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We invite your feedback on ways we can improve our programs at the College of Pharmacy. Please send your suggestions to pharm-alum@purdue.edu.

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How to Make a Gift

There are several ways you can make a gift to the College of Pharmacy. Please visit www.pharmacy.purdue.edu/alumni-friends/how-you-can-get-involved/make-donation and choose your preferred method. Every gift counts, and we appreciate your support. Thank you for making a difference!

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The main image is a large photograph of a young woman with blonde hair and sunglasses, smiling broadly as she is lifted into the air by a crowd of people. Her arms are raised, and her legs are kicked up. The background is a large, out-of-focus crowd of people, suggesting a stadium or arena setting. The overall tone is celebratory and energetic.

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NOVEMBER 7, 2015

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