

# THE PURDUE PHARMACIST

Fall & Winter 2012 | Volume 88, Issue 2



**PURDUE**  
UNIVERSITY

## FROM THE DEAN



As I meet with alumni across the country, concern is frequently expressed about the growing number of pharmacy programs. I am often asked, "What is your response to this growth and the lower demand for pharmacists?" First, we have reduced our admitted class to 150 students. Though it appears that we may be the only pharmacy program in the nation to intentionally reduce their class size, I believe it is the responsible thing to do in the current environment. We will continue to monitor the job market and availability of experiential sites as we evaluate our admissions, but expect to keep our admitted class at this number for the foreseeable future.

Second, it is important that we continue to differentiate ourselves as a program, both to prospective students and potential employers of our graduates. In a competitive environment, it is ever more important to remain a program of excellence. That requires innovative programs, engaged alumni, outstanding faculty, and great students. You'll see evidence of each of these in this issue of *The Purdue Pharmacist*.

The fruit of a program of excellence is no more clearly demonstrated than by the achievement of its graduates. In this issue, you'll read about the accomplishments of the individuals inducted as the 2012 Distinguished Alumni of the College. You will also learn about some other key alumni and how they are impacting the profession with their Purdue education. Importantly, you will read about their continued engagement with the College and the role they play in assisting us in preparing the next generation of pharmacists and pharmaceutical scientists.

Programs of excellence also provide leadership for the profession. As you read about the Indiana Medication Management Program, you will learn how our faculty and staff are playing a key role in developing a state-wide network of pharmacists to expand the availability of medication management with the goal of improving patient outcomes. You will also read about further developments in our award-winning Purdue Kenya Pharmacy Program. In particular, we are leading the way in developing sustainable pharmaceutical services in a resource-poor environment.

The foundation of our stature as a program of excellence has always been our outstanding faculty. This issue highlights the career of one of those outstanding individuals, Dr. David Nichols. The ability to bring leading individuals onto campus also provides important enrichment for our faculty and students. The Tyler Lecture and Peck Symposium are two examples you will read about.

Of course, each Fall is a very special time as we welcome a new group of student pharmacists into the Doctor of Pharmacy Program. I am pleased to report that the academic performance of these students is as strong as ever.

Our commitment to you is to assure that your Purdue degree continues to open doors of opportunity throughout your career. That requires maintaining the strong tradition of Purdue Pharmacy. It is evident in this issue of *The Purdue Pharmacist* that, with the help of our loyal alumni, the tradition is as strong as ever.

Hail Purdue!

CRAIG K. SVENSSON, Dean

THE PURDUE PHARMACIST  
Volume 88, Issue 2 (Fall & Winter 2012)

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# THE PURDUE PHARMACIST

Fall & Winter 2012



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ON THE COVER:  
**Contemporary Issues in International Public Health: Exploring China**

Purdue students visit the Great Wall at sunrise (below) and the Bell Tower in Beijing (cover)

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## PHARMACY COUPLES TAILGATE

# Decades of LOVE

For decades, students have met the love of their lives while attending college. The same is true for many of our Pharmacy alumni. Since the 1940s, there have been over 320 pharmacy couples who have shared lecture notes as well as longing glances at one another from across the classroom.

The College of Pharmacy decided to honor these lovebirds by hosting its first Pharmacy Couples Tailgate on October 6, 2012, at the Birck Boilermaker Golf Pavilion. The couples enjoyed visiting with one another and looking at photos from the past at the event. In keeping with the spirit of the tailgate, the College is pleased to share with you a few of our love stories. Perhaps they will spark a few more future romances within the walls of the Pharmacy building.



*Gil and Gwen at the Couples Tailgate*



*This photo was taken when Gwen was a senior and Gil was in his next to last year of the PhD program*

### **Gilbert Banker (MS 1955, PhD 1957, HDR 2003) & Gwenivere (Hughes) Banker (BS 1956)**

“When I went to Purdue as a graduate student, I was assigned a teaching assistant position in a sophomore lab where Gwen was an undergrad,” explains Gil. “I told myself that I wouldn’t date any undergrads because it might ‘lead to complications.’ Then the next year I was assigned to a junior course, and there was Gwen once again. During that year I was set-up with a blind date that turned out to be Gwen. Thereafter, I lost my good intentions and by spring break of her senior year we got married. I received my PhD the following year and was invited to join the faculty at Purdue, which I did. We have now been married 56 years, have 4 children, 11 grandchildren, and 4 great-grandchildren. Three of our four children are Purdue graduates, and the fourth has three degrees from Indiana University.”

Gil left Purdue in 1985 and was Dean at the College of Pharmacy at the University of Minnesota and the University of Iowa. The couple later returned to Indiana because of family still in the state. “The fact that Gwen is a pharmacist was tremendously helpful to me at all three colleges because she could talk the same language as the faculty and alums, together with her wonderfully outgoing personality,” he says.

“One of the enduring moments from our dating days was when Gwen and I and another couple were trying to catch a bus in the rain to go downtown to a movie. After waiting for some time, the guy I was with stuck his thumb out for a ride, and a car with three guys in it came to a screeching halt. We two couples had to fit in the back seat. When we got downtown and Gwen went to leave the car, she fell over a basketball that was on the floor which caused her to do a belly flop into a puddle. Everyone except Gwen and I thought it was very funny. I figured it would be my last date with her, and Gwen wanted to go right back home. Fortunately, Gwen’s girlfriend convinced her to go into the ladies room and get cleaned-up.”

Their children were athletes, and Gil served on Purdue’s Athletic Affairs Committee and was later appointed Purdue’s Big Ten Faculty Representative. They also attended four Purdue bowl games including the win at the Rose Bowl. Their primary hobby and interest continues to be athletics, and their time is occupied by travel, both in the U.S. and internationally, and their family.

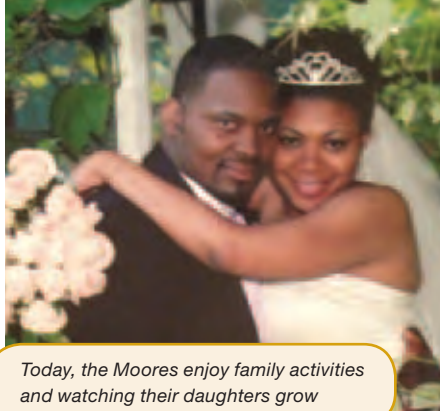


*Charles and Sarah Sanders have been married 32 years*

**Charles Sanders (BS 1978) & Sarah (Burnside) Sanders (BS 1978, PharmD 1980)**

“A fellow classmate and Charles’ roommate, Robert Stephens, wanted to get Charles out of their dorm room one Friday night, but he was studying,” says Sarah. “Steve said he knew someone else who was probably studying on a Friday night and suggested Charles give Sarah Burnside a call. Intrigued by the idea that there was possibly a girl doing the same thing he was doing and being very competitive, he called. Yes, Sarah was studying too. So he suggested going to the library to study and then grabbing a Coke. We became known for our study dates, often seen sitting opposite each other in the study carrels of the Pharmacy Library.”

“Our first real date was attending a football game,” she says. “Charles played football at Muncie Central High School and his old high school team came to play West Lafayette High School. We walked over and watched the game. We still attend football games, although we now watch the Boilers play. Often as part of our anniversary celebration we attend an NFL exhibition game.” Charles adds that while they were dating, he gave Sarah a single red rose each Valentine’s Day, and he still does to this day.



*Today, the Moores enjoy family activities and watching their daughters grow*

**Warren Moore (PharmD 2002) & Aneasha (Lee) Moore (PharmD 2002)**

“Warren and I met when he spent the summer working at the Purdue Student Pharmacy. We dated for seven years before we got married,” comments Aneasha. The couple has been happily married for six years.

Due to Warren’s football schedule while students, there wasn’t much time for additional hobbies for them to share, but they did enjoy watching “ER” on Thursday nights. Aneasha also reminisces about the time they participated in a wheel barrow race at a picnic. “It was easy for me to carry Warren’s legs for the first part of the race and we got a good lead. The interesting part of the race came when we had to switch. When he carried my legs, we lost our lead a little, so in order to make sure we won, I was thrown across the finish line!”

When asked whether she finds it rewarding or challenging sharing the same educational background as her husband, she says it’s been more rewarding having someone to discuss various issues and concerns that arise at work and giving you a different perspective.



*The Tribolettis on their wedding day*

**Mark Triboletti (PharmD 2008) & Jessica (Larva) Triboletti (PharmD 2010)**

“Mark and I married on September 17, 2011, after we began dating in 2006,” says Jessica. “I’ll never forget going to a Purdue Women’s Basketball game and being on the ‘Kiss-Cam.’ The next day, Dr. Hem caught me after class and said that he saw us on the big screen the previous night!”

Now the couple enjoys taking road trips together and visiting family in various areas of the country. Mark is the cook in the family and Jessica benefits from his Italian cooking background. They still are huge Purdue sports fans and get back to campus as frequently as possible (see page 30).

“Both of us work with the Veterans Affairs Hospital, but in very different roles,” she says. “I am a clinical ambulatory care practitioner and Mark is administrative. Sharing the same degree has worked out well for us and we’re both very thankful for the Pharmacy Program at Purdue!”



*Several couples enjoy the beautiful fall weather at the Pharmacy Couples Tailgate; (L to R) Dean Craig Svensson, Sue Svensson, Nick Popovich, Renee Popovich, Kathy Marcotte, Tom Marcotte, Cheryl Green, Jeff Green, Lisa Wood, Tom Wood, Jason Young, Galyn Young, Chris Meyer, Cindy Meyer, Jason Hale, Kristi Hale, Charles Sanders, and Sarah Sanders*

# Contemporary Issues in International Public Health: *Exploring China*



*Beijing China outside Bell Tower*

In June 2012, Drs. Cynthia Koh-Knox (Pharmacy Practice) and James McGlothlin (College of Health and Human Sciences) took eleven students to China for a 17-day course on Contemporary Issues in International Public Health. Six students enrolled in the three-credit course through Study Abroad and five students enrolled as PharmD candidates for an Advanced Pharmacy Practice Experience in Academia/Continuing Education.

This is the fifth year the course was offered to Purdue students, and the first time Pharmacy was involved in the delivery of course content. The partnership between Pharmacy and Health and Human Sciences was formed to provide interdisciplinary activities relating to public, occupational, environmental, and pharmacological health. One of the goals of the course is to establish a solid foundation for understanding different cultures and their laws and policies in public health.

The group explored Beijing, Xian and Shanghai. The students participated in daily academic activities designed to engage them with the rich Chinese history and culture, as well as its public



*A lunch of dumpling strawberries and apricots*

health issues. Many historic and popular sites were visited including the Forbidden City, Beijing Center for Preventative Medicine Research (CDC of China), Tiananmen Square, Beijing University of Chinese Medicine, Terra Cotta Warriors, Old Shanghai, The Great Wall, United Family Hospital (an American-owned institution,) and a silk farm and factory. The group participated in Tai Chi and a calligraphy class, experienced Tuina massage and cupping, made and ate dumplings, and shopped in local markets. One of the highlights of the trip was the repeated requests for pictures with “the Americans” everywhere the students travelled. The display of Purdue clothing was evident on a daily basis!

By the end of the course, students presented videos and photographs to document various aspects of the food industry from a public health perspective. All students returned from this adventure with a different perspective on the world. The five PharmD candidates are working on a project to develop a continuing education course about Traditional Chinese Medicine and the treatment of common disease states here in the U.S.

This experience fostered outreach efforts by Purdue University to have students experience first-hand public health issues in China. The instructors believe it helped prepare them for the changing global politics and laws of public health, including health care practices.





A group of P-1 students participate in a "Minute to Win It" challenge event during orientation



Colavecchia

# Pharmacy Orientation

The College of Pharmacy has provided an orientation for professional students for the past several years, but the program was expanded in 2009 after the Curriculum Task Force endorsed the decision. The purpose of this redesigned orientation was to better facilitate the transition of students entering their first professional year (P-1) in the program, enable students to get to know their fellow classmates, encourage students to get out of their comfort zone, and infuse students with a dose of professionalism and what it means to be a part of the Purdue Pharmacy Family.

The orientation is designed, organized, and mostly facilitated by upperclassmen already in the program. All new P-1 students participate in two full days of orientation, which provides them with fellowship and fun, as well as information about what they can expect over the next few years in the program. The orientation also gives upperclassmen the opportunity to hone their leadership and organizational skills.

This fall marked the fourth successful year the expanded orientation has been provided. The following is an update given by Carmine Colavecchia, a P-4 student currently serving on the Orientation Steering Committee.



The pharmacy upperclassmen who helped facilitate the team building events at the intramural fields

*"The extended orientation program continues to demonstrate sustainability and success as evidenced by positive evaluations from first professional year students, increased donations from faculty and alumni, and a large number of student volunteers. Every year, the new students commend the program leaders for creating an environment that promotes camaraderie and development of new friendships. Throughout the program, we discuss student expectations, as well as the legacy of the College in order to promote high standards.*

*Over \$6,500 was donated this year, largely from recent graduates, who believe the experience is beneficial. Additionally, over 60 professional students volunteered to assist with roundtable discussions, orchestrate outside activities, stimulate ethical debates, and lead campus tours.*

*Modifications were made to the program this year to allow students to interact more with one another, inspire them to think outside of the box, instill a sense of professionalism, and highlight activities hosted by the College. Some additions were The Right Brain Challenge, The Amazing Race, a video montage, and a modification to the Crossing the Line activity. The committee has already brainstormed ways to improve the program next year based on feedback from the class of 2016.*

*Inspired and created by the leadership class of 2007, the orientation program has become a tradition for the Purdue College of Pharmacy. Alumni and faculty have the opportunity to meet incoming students, and students have the opportunity to network with future colleagues. We are greatly appreciative that the Purdue College of Pharmacy family supports this program."*

**Carmine Colavecchia**

*(4th Year Professional PharmD Student, Orientation Steering Committee)*

# Thank You



**The College of Pharmacy**  
**Fiscal Year 2012 Gifts**

The College of Pharmacy would like to thank our donors for their generosity which ultimately enhances the overall success of our programs and future alumni, and we thank you for your continued support. A list of the names of our individual and corporate donors who made gifts during July 1, 2011 through June 30, 2012 can be found online at [www.pharmacy.purdue.edu/advancement/publications/annual\\_reports/2012-dev](http://www.pharmacy.purdue.edu/advancement/publications/annual_reports/2012-dev).

The College strives to accurately recognize our donors. If for any reason you feel that your name has been omitted or listed incorrectly on our website, please contact Angela Davis, Manager of Stewardship and Donor Relations, at (765) 494-1370 or [davis174@purdue.edu](mailto:davis174@purdue.edu). We invite all of you to participate at the appropriate giving club level. Every gift counts, and we thank each and every one of you for your support.







Ang (BS 1950, HDR 1993) and Jeannine Carnaghi enjoy brunch with their scholarship recipients



Aaron Hill, Candice Hill, Lisa Nail, and Steve Nail (PhD 1975)



PharmD student Jacob Mattox visits with Ginny Tyler

# Donor Recognition Brunch 2012

The College of Pharmacy hosted its annual Donor Recognition Brunch on Saturday, November 3, 2012, at the Four Points by Sheraton in West Lafayette. Guests were welcomed by emcees Shannon Eaves and Chelsea Gustafson, both 3rd Professional Year PharmD students and members of Phi Lambda Sigma. Dean Craig Svensson and Nathan Wight, Director of Advancement, presented brief updates about the College.

The College was pleased to have two speakers address our guests during the brunch. Jacob Mattox, a 3rd Professional Year PharmD student and President of the Board of Directors for the Purdue Alumni Student Experience, addressed the group and expressed his gratitude to the donors. Dr. Steven Nail (PhD 1975), Senior Research Scientist at Baxter Pharmaceuticals Solutions and former College professor, shared his personal story of why he and his wife, Lisa, are donors. "Lisa and I look forward to the Donor Recognition Brunch every year," comments Steve. "It's a very positive, energetic event, and we always enjoy the chance to meet students and renew friendships with former faculty colleagues. Being faithful donors is very important to Lisa and me. Our Purdue education, for both of us, was the bargain of a lifetime, and we're glad to be in a position to give back to our academic home."

The generosity of our donors enhances the overall success of our programs and the future alumni at the College of Pharmacy. We strive to provide the best we can for our students, faculty and staff. We are able to make technological enhancements that benefit all within our pharmacy family that keep us engaged and connected using state-of-the-art equipment. We provide facility upgrades to our classrooms, conference rooms and laboratories. Students are also able to receive travel funding for participation in conferences in order to broaden their educational experience and allow them the opportunity to engage with others in the profession. We are privileged to bring to campus nationally and internationally renowned speakers to present various topics in the pharmaceutical world. Lastly, our students have the opportunity to receive a variety of awards and scholarships which enable them to further their education, relieving them of some of their financial burdens and allowing them to concentrate more fully on their studies. None of this would be possible without the dedication and philanthropy of our donors. We appreciate all you do to support the College of Pharmacy!

## *A Student's Personal Thank You*

**The College of Pharmacy invites you to meet Emily Richardson (PharmD 2013) in a special thank you video that was presented during the Donor Brunch. In the video, Emily shares her experience as a Pharmacy student and expresses her sincere gratitude for the support of our donors who have enabled her to receive scholarships that helped fund her education. On behalf of Emily and the many other students who benefit from donor giving, we thank you for supporting the College.**

**[www.pharmacy.purdue.edu/advancement/alumni/thanks2012.php](http://www.pharmacy.purdue.edu/advancement/alumni/thanks2012.php)**



*(L to R) Hemi Patel, a Pfizer Global Fellow, assists Kenyan colleagues in the Revolving Fund Pharmacy*



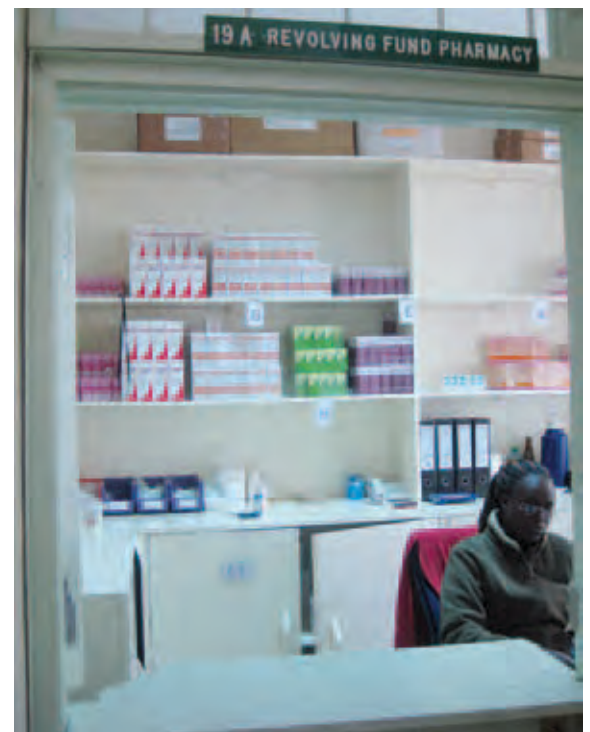
## News from Kenya Community Revolving Fund Pharmacies

Congratulations to Imran Manji, Adjunct Assistant Professor, Sonak Pastakia, Assistant Professor of Pharmacy Practice, and the Pharmacy Kenya Team for receiving funding by Grand Challenges Canada for their grant entitled, “Rising Stars in Global Health: Improving Access to Medicine—The Scaling Up of a Revolving Fund Pharmacy Model.”

Most Ministry of Health (MOH) facilities face significant stock-outs of key medications. This forces patients to seek out medicines in the commercial sector where prices can be ten times as high and drugs are often of substandard quality. In fact, estimates from the World Health Organization (WHO) suggest 30% of the drugs available on the market in Western Kenya are fake or substandard. Most patients are unable to pay commercial prices and therefore go without needed medicines, or can only afford a portion of their prescription.

In order to ensure reliable and affordable access to medicines, AMPATH has

partnered with the MOH facilities and the community to implement Community Revolving Fund Pharmacies (CRFP). These pharmacies act as a back-up and provide patients medicines only when there are stock-outs at the MOH pharmacy. The prices of medicines at the CRFPs are slightly higher than the MOH pharmacies (to encourage patients to use the MOH pharmacy first) but much lower than pharmacies in the private sector. However, these prices still generate enough revenue to restock the pharmacies and pay for some operating expenses. Over the last year, the CRFP model has been piloted in four facilities with promising results. The percent availability of essential medicines has improved from as low as 36% to more than 90% in these facilities. In fact, in two of the facilities, the revenues from the CRFPs have been able to support the purchase of equipment for other departments such as laboratory, nursing, dental and physiotherapy.



*One of the Revolving Fund Pharmacies located in Eldoret, Kenya*



# Indiana Medication Management Partnership

**The Indiana Medication Management Partnership (IMMP)** is a network of Indiana pharmacists currently being formed to provide medication therapy management (MTM) to community-based patients. The network is administered by the Purdue College of Pharmacy's Center for Medication Safety Advancement (CMSA), in partnership with the Indiana Pharmacists Alliance. CMSA will contract with hospitals and health-systems, self-insured employers, and other local payers desiring medication MTM services for their beneficiaries, while also contracting with Indiana pharmacists (i.e., network members) willing to provide these services. Dr. Margie Snyder, Assistant Professor of Pharmacy Practice, serves as Co-Director of CMSA, and her role has been to grow the Center's initiatives in the community pharmacy environment. She is also Network Director for Rx-SafeNet. The Network Administrator of IMMP is Tamara Fox, RPh. "The goals of IMMP include creating more opportunities for pharmacists to provide patient care and to further establish the value of those services to payors," comments Fox.

The goal of IMMP is to improve medication management, decrease hospital admissions, and reduce overall healthcare costs by best utilizing the accessibility, skills, and knowledge of pharmacists throughout Indiana. "It is our goal to have a pharmacist work with patients as soon as they are discharged to help them get situated at home so they won't need to return to the hospital due to problems with medication management," says Snyder. "By doing so, we'll not only improve patient care, but we'll ultimately reduce healthcare costs overall."

Based on patient need and the payers involved, MTM will be provided as 1) a focused service immediately following hospital discharge, and/or 2) regularly scheduled patient visits to address chronic medication use needs. For a transition of care services, it is anticipated that pharmacists will provide approximately two to five patient visits in the first 30 days after a discharge. For patients with chronic medication needs, IMMP expects that pharmacists will provide approximately three patient visits in the first 1-3 months, then quarterly thereafter, with care provision and documentation aligning with the APhA/NACDS Core Elements. The network will target patients who have recently been discharged, particularly for heart failure, acute myocardial infarction, or pneumonia, who are using four or more chronic medications, and patients with one or more chronic conditions requiring medication management.

Pharmacists will be required to meet certain criteria, such as education and training experiences, to be credentialed as a network provider, and pharmacists from all areas within Indiana will be invited to participate. Ms. Fox comments that IMMP sent out a survey this past spring to assess interest in the program. "We were pleased to have over 300 pharmacists who expressed interest in this network, and I am encouraged that interest will increase over time," she says. "Pharmacists contribute greatly to the care of patients, and their expertise in medication therapies can certainly aid in effective use of health care dollars."

*For more information about IMMP, please contact Tammy Fox, RPh, Network Administrator, at (317) 613-2315, ext. 325, or [immp@purdue.edu](mailto:immp@purdue.edu).*



# IPPH Ground Floor Renovations



*Construction of one of three nearly identical manufacturing laboratories where students and faculty will be able to view one another through a wall of windows that separates these spaces*

Many of you are familiar with our laboratories in the ground floor of the Robert E. Heine Pharmacy Building. Perhaps you took our pharmaceutical manufacturing course as a student, or did your graduate research there. In any case, you'll be pleased to know that we're renovating the laboratories to upgrade and modernize them. Construction began in March 2012, and we expect the project will be completed in the spring of 2013.

The existing closed labs will be replaced with an open-concept lab design, with a climate-controlled area for solids processing, a chemical analysis area, and a separate area for student seating. Mechanical upgrades will improve air handling, lighting, safety, and security. The renovation will help position the Department of Industrial and Physical Pharmacy for the future, so that we can better serve the next generation of IPPH students and researchers.

The estimated cost of the project is \$3.8 million, of which over \$2.85 million has already been secured. We're grateful to the many alumni and friends of IPPH who provided input on the preliminary plans, and we look forward to sharing more news once the renovations are completed.

To view short video clip updates taken throughout the renovation process, please visit [www.ipph.purdue.edu/renovations/](http://www.ipph.purdue.edu/renovations/)

You'll also find floor plans for the space, both before and after renovation, at [www.ipph.purdue.edu/renovations/floorplans.php](http://www.ipph.purdue.edu/renovations/floorplans.php)





(L to R)  
 Dean Svensson,  
 Mary Westrick,  
 Rick Rondinelli,  
 Mary Kuhn, and  
 Todd Chermak

2012 COLLEGE OF PHARMACY

# Distinguished Alumni



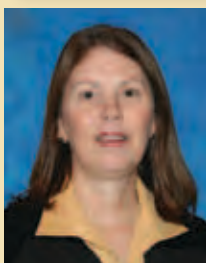
**Todd E. Chermak (BS 1994)**  
 Divisional Vice President, Global Regulatory Affairs  
 Abbott Laboratories



**Mary J. Kuhn (BS 1982)**  
 President  
 Grifols, Inc.



**Rick F. Rondinelli (BS 1980)**  
 President and Owner  
 In Touch Pharmaceuticals



**Mary L. Westrick (BS 1978, MS1980, PhD 1983)**  
 Vice President, Clinical Research  
 Quintiles, Inc.

Upon the occasion of the School's Centennial in 1984, the Faculty of the College of Pharmacy chose to initiate a Distinguished Pharmacy Alumni Program. The title of Distinguished Pharmacy Alumnus is conferred annually upon selected alumni in recognition of their outstanding achievement in professional and scientific endeavors. The College presented these prestigious awards on November 9, 2012, during a luncheon ceremony in the Buchanan Suites at Ross Ade Stadium. Complete biographies of each recipient and additional photos of the event are available at [www.pharmacy.purdue.edu/advancement/honors/distinguished/](http://www.pharmacy.purdue.edu/advancement/honors/distinguished/).



# Alumni Profile



## Kyle Allen (BS 1981)

Kyle Allen grew up in South Bend, Indiana. She earned her BS in Pharmacy at Purdue University in 1981 and her MBA from Indiana University in 1995. The College of Pharmacy selected her as a Distinguished Alumna in 1996, and she is a former member of the Dean's Professional Advisory Council. The College of Pharmacy has always been near and dear to her heart, and even with a demanding career, she has found time to give back by sharing her experiences with pharmacy students who follow in her footsteps.

Kyle works full time in Lafayette as Chief Practice Officer for Indiana University Health Arnett, a non-profit, comprehensive healthcare system that includes a 191-bed hospital and a large multi-specialty physician group with more than 250 physicians and healthcare providers. Her role as Chief Practice Officer includes overseeing IU Health Arnett's 24 medical office locations throughout Tippecanoe and surrounding counties. IU Health Arnett is also very involved with LEAN—trained by Purdue iTAP—and she is looking forward to implementing LEAN process improvements in the physician practices in order to enhance patient care.

Prior to joining IU Health Arnett, she has served as Pharmacy Director, Quality Director, Executive Director of Practice Operations, and Chief Operating Officer of Methodist Medical Group, as well as Vice President, Primary Care for Indiana University Health Physicians (IUHP). She is a charter member of the Academy of Managed Care Pharmacists and a member of the Medical Group Management Association. Kyle comments that several colleagues have had a positive influence on her career, but a favorite was a female physician medical director who shared the role of working mother and



truly understood the types of sacrifices that women make to balance careers and families, and she has tried to pattern her behavior and performance after her.

While reminiscing about her scholarly endeavors during her time at Purdue, Kyle notes that almost everyone who attended pharmacy school around her time would agree that Dr. Nick Popovich had a positive influence on their academic careers. "Dr. Popovich was my counselor and was always very supportive of my career aspirations," she says. "One couldn't want a nicer or more encouraging mentor." She also fondly remembers Frank Murphy who continued to send her a letter on her birthday each year until just before he passed away. "Dr. Murphy attended our wedding and always made me feel loved and part of his family." She continues that Dr. Robert Evanson had a profound influence on her decision making as he once gave her an F on a law quiz for not arguing on one side or the other. "I have tried ever since not to be ambiguous in my writing or conversations."

During the winters of 1977 and 1978, a blizzard kept Purdue students out of classes. "I know that I spent a fair amount of that time with my future husband, assisting in cooking duties at his fraternity," she recalls, suspecting that classmates also remember those days fondly. "I loved the time I spent at Purdue—I made friends for life and learned to be a caring adult with a passion for my profession."

Kyle and her husband, Jake (BS 1980, Construction Engineering and Management), have two adult daughters, Kelly and Kara (BS 2012, Management). In her spare time, she enjoys traveling, attending Purdue sporting events, cooking, reading, and swimming. The couple also hosts a tailgate each



**“Nothing makes one appreciate the healthcare system in the United States as much as a mission trip to a third world country. I am always in awe of our blessings here each time I return.”**

*Kyle Allen (green scrubs) and her mission pharmacy team in El Salvador, July 2012*

home football weekend. Kyle regularly visits with her alphabetical order seat mate (Diane Fischer/Kyle Fosbrink) from pharmacy school during several long weekends each year, and they plan to visit Israel together with their husbands this spring.

Since 1988, she has had an opportunity to speak annually to at least one class of pharmacy students at Purdue about healthcare administration. She also has taught a variety of graduate level seminars including *Strategic Use of Human Resources and Pharmaceutical Care in Managed Care Organizations*. “I enjoy the time I am able to spend with the students, chatting about my professional experiences and giving them advice on how to be successful and enjoy their careers in healthcare as much as I have.” This year, she is guest lecturing in Dr. Steve Scott’s *Institutional Pharmacy* course.

For the past two summers, Kyle has volunteered on a medical mission team from her local congregation. She helps to inventory and purchase the needed medication and supplies in advance and then serves as the only pharmacist on the team for a week each summer in El Salvador. When speaking to the pharmacy students on campus, she presents photos taken at these clinics. “Nothing makes one appreciate the healthcare system in the United States as much as a mission trip to a third world country. I am always in awe of our blessings here each time I return.”

When conversing with the students, she stays true to her message. “One of the points I always try to make is to do more than is expected and to give some back, such as time or talents.” Kyle certainly has, and for that the College of Pharmacy is grateful.



# SIXTY SECONDS

*With a Graduate Student*



## **Anthony M. Pedley**

***B.S. Chemistry with Biochemistry and Biotechnology Emphasis, Grand Valley State University***

***Doctoral Student, Department of Medicinal Chemistry and Molecular Pharmacology***

**Anticipated Graduation Date:** May 2013

**Hometown:** Lowell, Michigan

**Major Professor:** Dr. V. Jo Davisson

**Thesis Title:** *The Impact of Proliferating Cell Nuclear Antigen Phosphorylation in the Regulation of DNA Repair*

**Research Interests:** DNA repair, systems and chemical biology

**Awards and Honors:** Department of Defense Breast Cancer Predoctoral Fellowship Trainee (2010)

**Post-graduation Plans:** Postdoctoral appointment

**“My experience as a graduate student in the College of Pharmacy has allowed me the opportunity to engage and collaborate with a wide variety of faculty, staff, and students to the level that I may not have received at other institutions. The knowledge and expertise within the College of Pharmacy has motivated me to explore many opportunities that I never thought were possible.”**



Todd with his wife, Sara, and their daughter Allie Photo by Katie Jacewicz

# Preceptor Perceptions



TODD WALROTH (PHARMD 2006)



The College of Pharmacy is pleased to have **Todd Walroth** serve in his sixth year as a Purdue preceptor. Todd's practice site is located at Wishard Health Services in Indianapolis where he specializes in Burn/Critical Care. His many roles at Wishard include Pharmacy Manager for Clinical Services; Clinical Pharmacy Specialist, Burn/Critical Care; Residency Program Coordinator, PGY2 Critical Care Pharmacy Residency; Co-Coordinator, Pharmacy Student Technician/Intern Program; and Adjunct Clinical Assistant Professor of Pharmacy Practice for Purdue.

Todd also has been involved with the Introduction to APPE course ("Bootcamp") at Purdue since its inception in April 2009. "I thoroughly enjoy lecturing in this course as it allows me to present a clinical approach to pharmacokinetics for the P3 students just prior to entering rotations," he says. "This is one of my favorite lectures that I have the opportunity to provide each year, and my overall goal is for students to walk away from the experience with a higher comfort level for performing pharmacokinetic calculations for their patients in the upcoming year."

He is happily married to his loving wife, Sara, a first grade teacher. The couple has a two-year old daughter, Allie, and is eagerly awaiting the arrival of their second daughter at the end of December. "In my free time," says Todd, "I can usually be found playing My Little Ponies or Minnie Mouse Bow-tique with my daughter, hanging out with family and friends, or enjoying photography, drawing, cooking, and reading (non-pharmacy related books or magazines, of course)."



**What is most rewarding about serving as a preceptor?** Seeing students conquer the steep learning curve that comes with spending four weeks in the ICU is very rewarding. It is great to see them develop and progress in the following areas: problem solving and prioritizing, applying PK/PD skills, understanding critically ill patients' needs, interacting with an interdisciplinary team, understanding the continuum of care, responding to emergency situations, and documenting patient care activities.

**How do you involve students in your rotation to advance patient care services?** Students are involved with every aspect of patient care that a Critical Care Pharmacist is involved in, such as rounding, antibiotic selection/dosing, management of pain/sedation/delirium, supportive care, documentation of Therapeutic Drug Monitoring, management of enteral and parenteral nutrition, weaning schedules, discharge planning, medication reconciliation, and presenting topic discussions.

**What's the most important advice you give students entering practice?** I encourage them to remain open-minded in their approach to residency training. It is important to try new things and to attempt to learn something from each and every experience – you never know when it might come in handy in the future.

**Mentor/role model in your life and pharmacy practice:** My greatest role model in my personal life is my grandpa, Jerry Crall. He is my superhero and has served as an example of hard work and dedication to both his job and his family. He has taught me the importance of caring for all people and has inspired me to be a better person. I was fortunate to share his story during my 2006 Purdue Commencement Address in hopes that he would inspire others, as well.

My mentor and role model since my days as a pharmacy student and now in pharmacy practice is Dr. Christopher Scott, Director of Pharmacy and Respiratory Therapy at Wishard Health Services. He has shown me how to incorporate leadership skills learned during college into real-life situations and inspires me to approach every project with a high level of dedication.



# 2012 Varro E. Tyler Distinguished Lecture



## Dr. Stephen Spielberg U.S. Food and Drug Administration

The College of Pharmacy, along with the Department of Industrial and Physical Pharmacy and Mrs. Virginia Tyler, was pleased to present the Varro E. Tyler Distinguished Lectureship on November 16, 2012. This year's lectureship featured Dr. Stephen Spielberg, Deputy Commissioner for Medical Products and Tobacco of the U.S. Food and Drug Administration. A pediatrician and pharmacologist, Dr. Spielberg was most recently the Marion Merrell Dow Chair in Pediatric Pharmacogenomics, and Director of the Center for Personalized Medicine and Therapeutic Innovation at Children's Mercy Hospital in Kansas City. Previously, he served as Dean of Dartmouth Medical School and Vice President for Health Affairs at Dartmouth College in Hanover, New Hampshire. From 1997 to 2003, Dr. Spielberg was Johnson & Johnson's Vice President for Pediatric Drug Development and, prior to that, was Executive Director at Merck & Company's Research Laboratories. During that time, he was Chairman of the Pediatric Task Force of PhRMA, the drug industry's trade association. He received his bachelor's degree in biology from Princeton University, and an MD and PhD (Pharmacology) from the University of Chicago.

Dr. Spielberg presented a lecture on "Precision Medicine and the Future of Therapeutics" in the Lawson Computer Science Building. He comments that the huge advances in biomedical science over the last years have provided us enormous opportunities to improve etiologic-specific diagnosis. Along with this understanding of the cause of individual patients' illnesses, the selective targeting of therapeutic agents to those individual causes holds the promise of drug therapy with greater benefit to risk. He discussed examples suggesting proof of principle for more efficient, faster, smaller clinical trials, and the hope of a new era of rational therapeutics.

**PURDUE**  
UNIVERSITY



*With your support, our  
mission is a hole in one.*

## 17th Annual BoileRxGolf Classic

Friday, May 31, 2013

*Registration begins at 10:30 a.m.*

*Lunch will be served at 11:00 a.m.*

*Shotgun start at noon*

*New this year!*

*We will be playing nine holes on Ackerman and nine holes on Kampen!*



### Registration includes:

- Practice Range Balls
- Prize Holes
- Soft Drinks & Beer
- Golf Cart
- Green Fees
- Lunch
- Door Prize

### Sponsorship Opportunities

The BoileRx raises money annually to support Pharmacy Alumni Scholarships. These scholarships provide assistance to our students that enable them to attend Purdue and lower their financial burden of attending pharmacy school. One of the ways the College of Pharmacy does this is to offer sponsorships at the BoileRx.

The 2013 Sponsorship Levels are:

- \$125 Tee sponsorship
- \$200 Hole Sponsorship
- \$500 Registration Sponsorship
- \$750 Beverage Cart Sponsorship

Sponsorships can be made by calling Angela Davis at (765) 494-1370.

### Scholarship Recipient Profile

Beth Neumann is a 1st professional year PharmD student from Zionsville, Indiana, and the 2012 recipient of the Pharmacy Alumni Scholarship. "My family and I are very appreciative of this scholarship," she says. "It helps to lighten our financial burden and ease our minds, especially looking forward when more of my brothers will be attending college."

Beth is a member of the "All-American" Marching Band, APHA-ASP, Purdue Winter Guard, and Band Bible Study. She enjoys playing her flute and piccolo, spending time with family, reading, and learning.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

E-mail Address \_\_\_\_\_

Place me on a team

Sign me up for a four-person scramble. Other golfers on my team are:

\_\_\_\_\_ , \_\_\_\_\_

\_\_\_\_\_ , \_\_\_\_\_

**We have reduced the price to golf, and we need your assistance with our scholarships. Please make a donation that is meaningful to you.**

**Registration fee** \_\_\_\_\_ x \$ 75 = \$ \_\_\_\_\_

**Scholarship Donation** (tax deductible) \$ \_\_\_\_\_

**TOTAL REGISTRATION AMOUNT** \$ \_\_\_\_\_

My check made payable to **Purdue Foundation** is enclosed.

**Charge my credit card:**  MasterCard  Visa  Discover

Charge will appear as Purdue UDO Dept. Events on your credit card statement.

Name on Card \_\_\_\_\_

My credit card billing address is the same as the address listed above.

If different, please provide billing address: \_\_\_\_\_

\_\_\_\_\_

Card number \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

Expiration date: \_\_\_\_\_ / \_\_\_\_\_ 3 Digit Security Code \_\_\_ \_\_

Signature \_\_\_\_\_

**Send Registration Form by May 1 to:**

**BoileRx Golf Classic  
Purdue University  
Heine Pharmacy Building, Rm. 104  
575 Stadium Mall Drive  
West Lafayette, IN 47907-2091**

Or by FAX to **(765) 494-9587**

**Have Questions? Want to Help? Want to Sponsor a Hole?**

Contact: **Dana Neary**  
(765) 494-2632  
neary@purdue.edu

Forms can also be found at [www.pharmacy.purdue.edu/boilerx](http://www.pharmacy.purdue.edu/boilerx).  
Feel free to make copies of this form as needed.

NUCLEAR PHARMACY ALUM  
**Benson Yang**  
*The Road to Success  
Started Here*

When **Benson Yang** (BS 1989) was a student in high school, he was fortunate to have great teachers in both biology and chemistry, instilling in him an early love for the biological sciences. At that point, he knew he wanted to pursue a career in healthcare. "Growing up in South Bend, Indiana, I often frequented the local chain drug store [Hook's] and began taking notice of the engagement the pharmacists had with their clients," he says. "It seemed to hit me then that pharmacy would be a great background for just about anything related to healthcare."

So how did Benson gravitate toward nuclear pharmacy? "As you know, everyone in the pharmacy curriculum at Purdue was fortunate enough to be introduced to Nuclear Pharmacy with Dr. Stan Shaw. Need I say more?" Dr. Shaw captivated his interest, and Benson took the extended coursework and two internships over two summers in the field. What he learned during his summer experiences was not just the technical aspect of nuclear pharmacy, but also the business aspect. The business of nuclear pharmacy was far more levered to the acute care world of care, an area he didn't feel he had enough exposure. Understanding how hospitals are run continues to be a fascinating aspect of healthcare for him. In addition to this, the role of the pharmacist in a nuclear pharmacy was an instant position of leadership and management, and this was something very attractive to him as a young professional entering the work force.

After moving up the ranks as staff pharmacist, pharmacy manager, regional operations director, general manager, and later vice president positions of nuclear sales, PET sales and marketing, and pharmacy and academic collaboration, Benson is now Vice President of Nuclear Manufacturing Services with Cardinal Health, Inc. located in California. The departments in which he oversees and those responsibilities include: Business Development (engaging with pharma and academic partners regarding development of novel new



molecular imaging agents); Scientific Affairs (regulatory assurance, clinical management, and product development); Research and Development (process and platform innovation); and Production (all production services for network of Cardinal manufacturing facilities).

"What I find most fulfilling about my current role is that I'm able to find the happy balance of scientific endeavors in the context of running a business," says Yang. "There is so much exciting work being done in the development of novel new radioactive biomarkers that could change the way we practice healthcare. Combining this with our pharma partners services that can accelerate this development as well as enable access to multi-site clinical trials certainly reminds me of all my early passions around the business of healthcare."

While at Purdue, Benson was an active member of the social fraternity Phi Kappa Psi. He was fortunate to live and work with men from all over the world, learning how to collaborate towards common goals and how to balance fun with work. "These things are so critically important in a professional's life these days that I cannot underscore that enough," he comments.

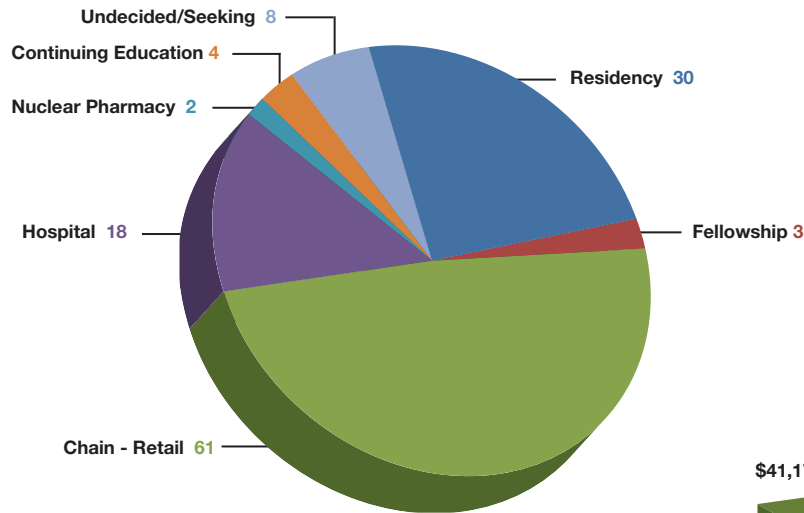
Benson stays busy outside of work helping his wife manage a household of three active children (ages 13, 12 and 8). Living just north of the Golden Gate Bridge in one of the best hiking trail counties in the country and having access to both the beach and mountains, it's easy for the family to stay active together. "It's tough to complain about anything!"



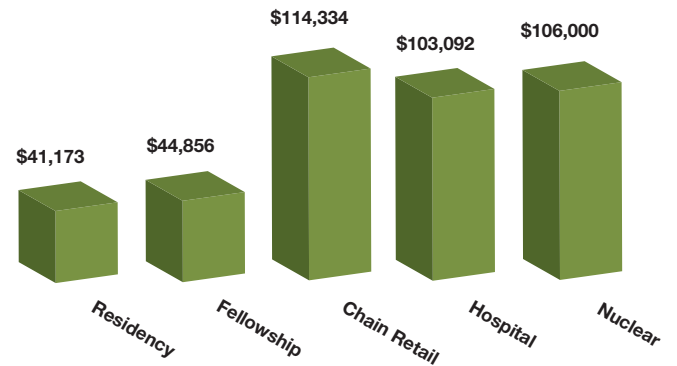


# 2012 Employment Surveys

Purdue University College of Pharmacy Class of 2012 Commitment Information



Type of Placement - Pharm D



Average Salary - Pharm D

## BSPS Graduates

	Number	Percent
Students Surveyed:	14	100.00%
Responses:	12	85.71%
Committed Response:	11	91.67%
Employed:	1	9.10%
Continuing Education**:	10	90.90%
Undecided/Seeking:	1	8.33%

Employment Type	Number	Percent	Avg. Salary	Salary Range
Industry	1	100%	(not reported)	

BSPS Employment Offers	Average	Range
	1	1

Commitment Location	Indiana	Other
	5	5



Greetings from West Lafayette!

It has been a very busy fall semester, but it has been such a rewarding experience! As I reflect back on the last few months, I am reminded of how great our Pharmacy alumni are. This fall has brought so many alumni back to campus for events such as reunions, football games, homecoming, lectures, and awards programs. Alumni have helped us welcome the Class of 2016 to the College, taken time off work to speak to our students about their careers, and opened their homes to host events for our students. So, I would like to say to all of the alumni who have joined us this fall, thank you for participating in our events! Our students have enjoyed meeting you and learning from your experiences. You add more to their educational experience than you know. To our alumni that have been called upon to mentor students or help in other ways, thank you for all you do for the College of Pharmacy.

Our alumni are doing great things and are being recognized locally, regionally, and nationally. Congratulations! We are so proud of your accomplishments. We were pleased this fall to bestow upon four alumni the title of Distinguished Alumnus (page 11). We are also proud of Nancy Lilly (BS 1978) on being selected as an Old Master at Purdue this year. Nancy is Vice President of Marketing for Emerging Markets at Eli Lilly and Company.

The College hosted two alumni events off-campus this fall. The first was in conjunction with the AAPS annual meeting in Chicago. We had approximately seventy alumni and students attend a reception at the Palmer House on October 14th. The College also hosted an alumni reception in conjunction with the ASHP mid-year meeting on December 2nd at the Mandalay Bay Resort in Las Vegas. This event attracted almost two hundred alumni and students from all across the country.

Hope to see you in the spring. Boiler Up!



Dana Neary  
Manager of Alumni Relations & Special Events

P.S. Don't forget to look for us on LinkedIn® and Facebook® ("Purdue Pharmacy Alumni Group") to stay connected! For more pharmacy alumni news and information, please visit [www.pharmacy.purdue.edu/advancement/alumni/](http://www.pharmacy.purdue.edu/advancement/alumni/).

## 2013 Pharmacy Events Calendar

DATE	EVENT
January 18	Dean's Executive Forum – Joanne Barrick (BS 1984)
January 25	Dean's Executive Forum – Rolf K. Schrader (BS 1970)
February 1	Dean's Executive Forum – Patty Elsner (PharmD 2001)
February 8	Dean's Executive Forum – Ed Fennell (BS 1981)
February 15	Dean's Executive Forum – James Mannion (MS 1979, PhD 1982)
February 22	Boilermaker Ball Dean's Executive Forum – Alisa Wright (BS 1987)
March 1	Dean's Executive Forum – Jonathon Parker (BS 1992)
March 8	Dean's Executive Forum – Art Fiocco
March 22	Dean's Executive Forum – Sheryl Lowenhar (BS 1985)
March 29	Dean's Executive Forum – Carl Erickson (MS 1963, PhD 1965)
April 5	Distinguished Alumni Awards Program
April 12	Dean's Executive Forum – John Hertig (PharmD 2008)
April 13	Spring Fling
April 13	Spring Football Game
April 18-19	Pharmacy Women for Purdue
April 19	Dean's Executive Forum – Judi Jacobi (BS 1979)
April 24	Popcorn and Cokes Event
April 26	Class Gift Luncheon
April 26	PharmD Graduation Banquet
April 27	BSPS Graduation Dinner
May 12	Commencement Reception
May 31	17th Annual BoileRx Golf Classic
June 1	Pharmacy Alumni Board Meeting

For more information regarding these events, please visit [www.pharmacy.purdue.edu/events.php](http://www.pharmacy.purdue.edu/events.php) or contact Dana Neary, Manager of Alumni Relations and Special Events, at [nearyd@purdue.edu](mailto:nearyd@purdue.edu) or (765) 494-2632.



# Faculty & Staff News



**Dr. Keith Chadwick** joined the Department of Industrial and Physical Pharmacy as Assistant Professor and began teaching this fall. He received his BS in Chemistry from the

University of Manchester Institute of Science and Technology (U.K.) and his PhD in Chemical Engineering from the University of Manchester (U.K.) where he continued on as a post-doctoral associate in the School of Engineering and Analytical Sciences. He then held a post-doctoral associate position with MIT-Novartis Center for Continuous Manufacturing at the Massachusetts Institute of Technology.

Dr. Chadwick's research interests include the crystal engineering of cocrystals, polymorphs and salts with desired physico-chemical properties, developing mechanistic understanding of crystal nucleation and the control of crystal habit (morphology). The overall vision of his research is for the rational design of materials, such as small molecule pharmaceuticals, by controlling the internal and external three-dimensional structures of crystals.



**Dr. Mark Cushman**, Distinguished Professor of Medicinal Chemistry, is the recipient of the 2012 *Chaney Faculty Scholar Award*. This annual award is the highest honor presented by the

College of Pharmacy to recognize outstanding research, scholarship or creative activity, including professional accomplishments in the recipient's field. These achievements are also recognized for their demonstrable impact on the fields of pharmacy and pharmaceutical sciences. Dr. Cushman presented his lecture, "From the Hood to the Hospital: How an Indenoisoquinoline Accident Turned into an Anticancer Drug," at the Chaney Faculty Scholar Lecture held on September 13, 2012.



*Kania*



*Koh-Knox*



*Krause*

Congratulations to the following faculty for their awards received at the 2012 Indiana Pharmacists Alliance Awards Banquet on September 21, 2012, in French Lick, IN: **Dr. Deanna Kania**, Clinical Associate Professor of Pharmacy Practice, was named the *Glen Sperandio Health System Pharmacist of the Year*; **Dr. Cindi Koh-Knox**, Clinical Associate Professor of Pharmacy Practice and Associate Director of Pharmacy Continuing Education, received the *Generation Rx Champions Award*; and **Prof. Jane Krause**, Clinical Associate Professor of Pharmacy Practice, received the *President's Award for Special Recognition*.



*Overholser*



*Pastakia*

The College of Pharmacy is pleased to recognize two faculty who received awards at the Annual Awards Banquet of the Indiana Public Health Foundation on November 3, 2012. **Dr. Brian Overholser**, Associate Professor of Pharmacy Practice, is the recipient of the *Excellence in Health Science Research Award*. This award recognizes outstanding achievement in health sciences research.

**Dr. Sonak Pastakia**, Assistant Professor of Pharmacy Practice and Pharmacist, Indiana University Kenya Partnership, is the recipient of the *Tony and Mary Hulman Health Achievement Award* in the field of Preventive Medicine and Public Health. This award was established in cooperation with The Indiana Public Health Foundation, Inc. by Mary F. Hulman and inaugurated on October 1, 1985, as Indiana's "PREMIER" Health Award in recognition of Indiana citizens and organizations whose efforts have resulted in a significant improvement to the human race. The purpose of the award is to create a positive image of health and to provide a forum through which a greater awareness of the contributions of health leaders is made known.



# 10TH ANNUAL GARNET E. PECK SYMPOSIUM



## **Nathan Wight**

served as the College's Director of Advancement for nearly two years. In January, he started a new role

with Delta Sigma Phi Fraternity's national headquarters in Indianapolis, Indiana, as their Chief Development Officer. Nathan is a member of Delta Sigma Phi and also worked at the organization from 2001-2006 prior to coming to Purdue in December of 2006. While Nathan was with the College of Pharmacy, he worked with donors and corporate partners to support our mission financially along with keeping alumni and corporations engaged with our students and faculty.

Nathan has done outstanding work during his time with the College and will be greatly missed. The College wishes him and his family all the best as they transition into this new opportunity. The newly appointed Director of Advancement will be introduced in the Spring & Summer 2013 edition of *The Purdue Pharmacist*.



## **Dr. Ashley Crumby,**

Assistant Clinical Professor of Pharmacy Practice, was selected as the *American*

*Pharmacists Association Distinguished New Practitioner* for 2013. The award recognizes a practitioner within his or her first five years of practice who has demonstrated distinctive achievements in mentorship, service, and commitment to the profession of pharmacy. She will receive the award at the annual meeting in March.

The Garnet E. Peck Symposium was held on October 11, 2012, in Stewart Center at Purdue University. This year's topics focused on Pharmaceutical Biotechnology and Globalization of the Pharmaceutical Industry, and highlighted internationally recognized speakers in these fields. Pharmaceutical biotechnology deals with recombinant proteins and other drugs produced by living organisms. Speakers addressed the formulation and stability of these large, complex molecules, with an emphasis on protein aggregates. Globalization of the pharmaceutical industry involves the world-wide distribution of drug development and manufacturing, as well as the emergence of new markets. Bio-sketches and abstracts of the outstanding speakers who presented are available at [www.ipph.purdue.edu/peck/](http://www.ipph.purdue.edu/peck/).

The symposium honors Dr. Garnet E. Peck, Professor Emeritus of the Department of Industrial and Physical Pharmacy, and is sponsored by the Department of Industrial and Physical Pharmacy, the College of Pharmacy at Purdue University, the Anderson Lecture Fund, and the Dr. Garnet E. Peck Graduate Scholarship Fund. The symposium's goal is to stimulate interest in the focus areas and to identify opportunities for new research.



*Pharmaceutical Biotechnology session speakers: (L to R) Steven Shire, Christopher Roberts, Garnet Peck, and David Volkin*



*Globalization of the Pharmaceutical Industry session speakers: (L to R) Art Fiocco, Nancy Lilly, Maneesh Nerurkar, Garnet Peck, and Paul Owens*



# David Nichols Retires



### David E. Nichols

Emeritus Professor of Pharmacology

Dr. David Nichols retired on June 30, 2012, as the Robert C. and Charlotte P. Anderson Distinguished Chair in Pharmacology and

a Distinguished Professor of Medicinal Chemistry and Molecular Pharmacology. He was also an Adjunct Professor of Pharmacology and Toxicology at the Indiana University School of Medicine.

When asked what first drew him to his interest in pharmacy, Nichols comments, "When I was finishing up my BS in chemistry, I was walking through the bookstore at the University of Cincinnati and saw a Medicinal Chemistry book by Wilson and Gisvold. I bought it and became fascinated by medicinal chemistry." He went on to earn his PhD from the University of Iowa in 1973, followed by a postdoctoral stint in Pharmacology. From his time as a graduate student, Nichols focused his research on the relationship between molecular structure and the action of substances that modify behavior. His research took him to Purdue University in 1974, where he remained until his retirement.

His research was funded by government agencies for nearly three decades. Internationally recognized for his research on centrally active drugs, he studied the medicinal chemistry of dopamine D<sub>1</sub> receptor agonists, and in 1991 he and his colleagues first showed that dopamine D<sub>1</sub> agonists had remarkable efficacy in a primate model of Parkinson's disease. He also is one of the world's foremost authorities on psychedelic agents, and founded the Heffter Research Institute in 1993. He consults for the pharmaceutical industry and has served on numerous committees and government review groups. In October 2012, Nichols was honored as the University of Iowa's 2012 Outstanding Alum in basic sciences. The College of Pharmacy was pleased to take a moment to catch up with him since retirement.

### What are some of the biggest changes you've seen in the profession over the years?

*Obviously, there have been many changes in the curriculum, from the five year BS Pharm and add-on PharmD to the all PharmD as the entry level degree. In science, the labs have become safer, research instrumentation has become much more sophisticated (and expensive), and molecular biology has had a tremendous effect on pharmacology and drug development. It has also become much harder to get research funding!*

### What have been some of your greatest joys in working with faculty and students?

*I really enjoyed working with students. I actually received the Heine best teacher award one year when I was teaching organic chemistry. When I started teaching undergraduate medicinal chemistry, the introductory lectures were a review of organic chemistry as it related to drugs. That was a huge challenge, because many students really didn't like organic chemistry.*

### What have you been doing since your retirement?

**Future plans?** *The first couple of months were spent hanging pictures, furnishing the house, etc., as well as getting three last manuscripts submitted for publication. As of September 1st, I have an adjunct faculty appointment in the UNC Chapel Hill School of Pharmacy, and they have asked me to teach a few lectures to the pharmacy students in the spring. I have had more time to practice two of my hobbies: playing blues harmonica, and playing Native American flutes. I used to make sterling silver jewelry and hope to do that again. Plus, we have several more manuscripts to get published. I am now also on the scientific advisory board of a local biotech, and still have ideas for scientific projects to do. Actually, I seem to have less time now than before, other than that I can wake up whenever I want, whereas before I was typically in my office between 7:30-8:00 am. I think Mark Cushman may have been the only one who was there earlier than me on a regular basis!*

“Graduate students are a lot like your children; you spend five or so years with them at a time when they are maturing as scientists, and watching them go out on their own and succeed makes you feel like you did a good job.”

## ***David Nichols Graduate Student Reunion***

The College of Pharmacy held a celebration for Dr. Nichols on June 15 and 16, 2012. The College was pleased to welcome his former graduate students and colleagues back to campus to celebrate his retirement. The weekend kicked off with a reception and dinner on Friday evening at the Dauch Alumni Center. Dr. Rick Borch, Head of the Department of Medicinal Chemistry and Molecular Pharmacology, presented Dr. Nichols with a gift from the Department. Faculty and alumni had the opportunity to say a few words on camera to Dr. Nichols, and a special DVD of the weekend was presented to him. Saturday's activities included tours, a cookout, and research presentations.

“It was marvelous to see so many of my former students, and to hear such nice things said about me,” says Nichols. “Graduate students are a lot like your children; you spend five or so years with them at a time when they are maturing as scientists, and watching them go out on their own and succeed makes you feel like you did a good job.”



*Nichols and his former students pose on the Boilermaker Special during the reunion*



# News From Continuing Education and Professional Development



Dear Alumni,

I hope you enjoyed a wonderful holiday season and are gearing up for an exciting 2013! The Office for Continuing Education has hit the ground running with the start of the New Year.

Medication Safety has been a major theme for our CE efforts throughout 2012 and will continue to be this year. Our medication safety webinar series, "Medication Safety Essentials," has been a huge success, with hospital networks in Indiana, Missouri, California, and Kentucky utilizing the program to provide this comprehensive introduction to medication safety concepts and tools to their constituents. It is also available on our website so that you, too, can be a participant. As such, you will learn to create a culture of safety focusing on systems-redesign as well as outcomes for meeting patient needs. Participants receive a Certificate of Completion when all modules have been concluded, along with seven credits which equates to one credit per module.

The relevancy of this topic has created new avenues for us to pursue. For example, we have again partnered with our Center for Medication Safety Advancement (CMSA) to manage and accredit a Disclosure Training Program that was designed by Edward Dunn, MD, ScD, who serves as the Systems Redesign Director for the Lexington VA Medical Center and faculty with the College of Public Health at the University of Kentucky. This program is intended to identify individual and institutional duties to disclose adverse events to patients and families—defining the ethical, professional, and legal basis for disclosure. In a very innovative and interactive way, the activity incorporates risk management and patient safety to address immediate needs of the patient who suffers an adverse event while preventing similar harm to future patients.

In response to tragic incidents in 2012 resulting in Meningitis and worse, we are pursuing the topic of Compounding Regulation, which will be moving into the forefront in 2013 with additional emphasis to set directives and establish guidelines for the safety of compounding.

Furthermore, we are working with the Krannert School of Management and the CMSA to develop a certificate program which will focus on hospital setting representatives. The goals of the program include:

- Providing skills so that participants can build the argument regarding medication safety.
- Providing skills so that participants can be leaders regarding implementation of medication safety programs.
- Learning to link the concerns of medication safety into the broader concern of patient safety.
- Interacting with other professionals facing similar medication safety challenges; learning from their experiences to improve processes at their own facility.
- Focusing on characteristics rather than systems; characteristics are easier to apply and implement as opposed to systems.

Additional information regarding this program will be forthcoming.

We have many other programs that you can peruse via our website (<http://ce.pharmacy.purdue.edu>), so please visit us often!

Happy New Year!



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**Please visit our updated website for more information about  
Continuing Education and Professional Development at  
<http://ce.pharmacy.purdue.edu>**

## ALUMNI, STAFF & STUDENT ACTIVITIES

### AACP Annual Meeting

The 2012 AACP Annual Meeting was held in Kissimmee, Florida from July 14-18. Representatives at the meeting were pleased to announce the 75 student/faculty recipients for the 2012 AACP Walmart Scholars Program. The goal of this scholarship program is to strengthen the recipient's skills and commitment to a career in academic pharmacy through participation in programming and activities at the annual meeting and seminars. Of those chosen scholars, three are College of Pharmacy graduates: **Alissa Karr** (PharmD 2012), **Brett Read** (PharmD 2011), and **Veronica Vernon** (PharmD 2011). Congratulations!



(L to R) Jane Krause, Alissa Karr, Steve Scott, Maureen Smythe, Brett Read, Veronica Vernon, and Darin Ramsey attend a reception for Walmart scholars, mentors, and faculty administrators at the meeting

### Lilly Endowment Seed Grant Symposium

The College of Pharmacy hosted a symposium on Friday, September 21, 2012, in the Armstrong Building for all present and past recipients of Lilly Endowment seed grants. The following individuals addressed the College community about the progress of their projects funded by the Lilly Endowment. Much gratitude is extended to all who participated.



#### Irene Boutselis

*A Dendrimer Approach to the Delivery of Phosphate and Phosphomimetic Drugs*

#### Chengde Mao

*Programmed Self-Assembly of Antisense RNA/DNA for Cellular Delivery: Progress and Puzzles*

#### Jonathan Mehtala

*Hyperthermia-enhanced chemotherapies: Synergistic effects of cisplatin and photothermally active gold nanorods on ovarian cancer cells*

#### Brittany Melton

*Integrating Pharmacogenomic-Guided Dosing into Clinical Practice: A Clinical Decision Support System for Warfarin*

#### Kaotar Abbou Oucherif

*Simulation Studies to Predict Drug Precipitation in The Human GI Tract*

#### Lynne Taylor

*Using Raman spectroscopy to analyze counterfeit tablets*

#### Jim Tisdale

*Computer Automated Safety Alerts for Reduction of the Risk of Drug-Induced Torsades de Pointes; Identification of the Most Common Adverse Drug Reactions in Hospitalized Patients and Determination of Independent Risk Factors*

#### Tzu-Yi Yang

*Monitoring Kinase Inhibition Efficacy of Imatinib in Chronic Myeloid Leukemia (CML) Using Peptide Biosensor and Multiple Reactions Monitoring (MRM)*

#### Yoon Yeo

*Development of Quinic Acid-Conjugated Nanoparticles for Enhanced Extravasation at Solid Tumors*

## ALUMNI, STAFF & STUDENT ACTIVITIES

### Class of 1962 Reunion

The Pharmacy Class of 1962 visited Purdue on September 28-29. In celebration of their 50th reunion, twelve members of the class returned and enjoyed reconnecting with campus and each other at several events. The class attended a luncheon hosted by Dean Craig Svensson on Friday where he gave an update on the College and its plans for the future. The class enjoyed a tour of the College on Saturday morning before attending the exciting football game against Marshall University.



Class of 1962 alumni (L to R) Eunice (Pietrusinski) Conway, Judy (Schrader) Geyer, Chuck Frazier, Joanne (Kurella) Poder, David Mattingly, Tom Wild, Jon Mathes, and Lynne (Bruce) Phillips

### AAPS Alumni and Friends Reception

The College of Pharmacy hosted a Pharmacy Alumni and Friends Reception on Sunday, October 14, 2012, at The Palmer House in Chicago, Illinois at the AAPS annual conference. Guests enjoyed hors d'oeuvres and drinks with Purdue faculty, graduate students, and fellow alumni.

During the conference, **Grace Ilevbare** was the recipient of the 2012 *International Pharmaceutical Excipient Council (IPEC) Foundation Graduate Student Scholarship Award* and *AAPS Formulation Design and Development Graduate Student Award*, and gave a podium presentation entitled "Understanding polymer properties important for



Ilevbare

crystal growth inhibition—Impact of chemically diverse polymers on crystal growth of ritonavir." She is a senior graduate student under the direction of Dr. Lynne Taylor in the Department of Industrial and Physical Pharmacy.



(L to R) Dr. Yoon Yeo with Maggie Mei-fang Chang (PhD 1996), Rosalind Jackson (PhD 1997), and Juan Solana

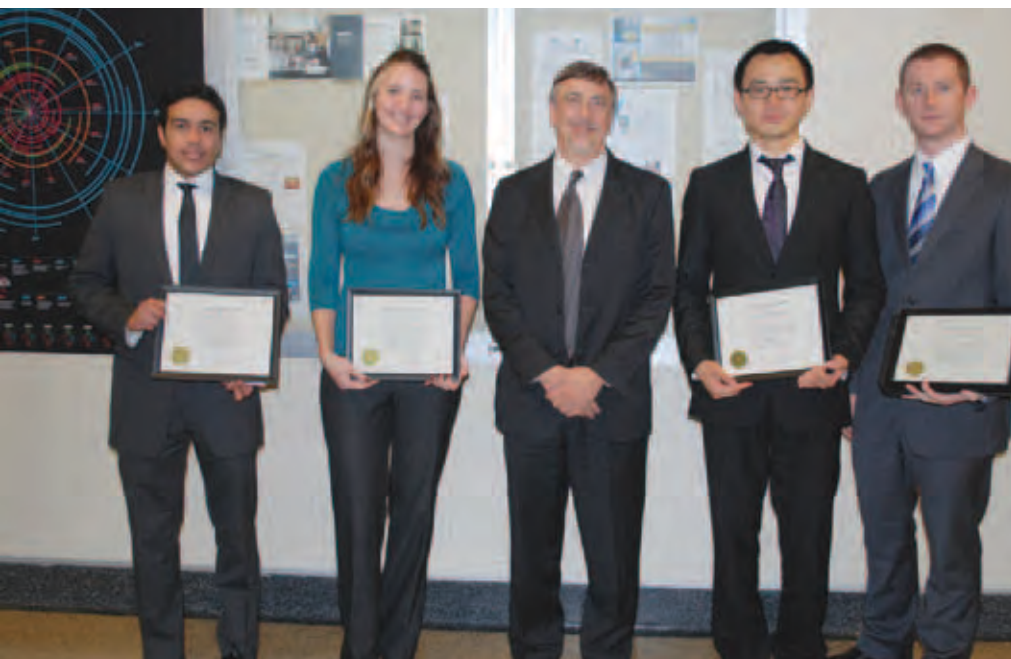


(L to R) Mike Chau (PharmD 2006, UIC College of Pharmacy), Jenny Cheung (PharmD 2006, UIC College of Pharmacy), and James Wu (PharmD 2003)

## ALUMNI, STAFF & STUDENT ACTIVITIES



Associate Dean for Graduate Programs Robert Geahlen with the Kienly Award recipients (L to R) Mark Riofski, Saradha Chandrasekhar, and Engels Obi



Associate Dean for Graduate Programs Robert Geahlen with the Jenkins-Knevel Award recipients (L to R) Ahmed Abdelhady, Lindsay Wegiel, Shuai Yu, and David Anderson

### Graduate Student Award Symposium

The annual College of Pharmacy Graduate Student Awards Symposium was held on Thursday, November 8, 2012, in the Lawson computer sciences building on campus. The 2012 recipients of the *Albert and Anna Kienly Awards for Outstanding Teaching by a Graduate Student* are:

**Saradha Chandrasekhar**, Department of Industrial and Physical Pharmacy; **Engels Obi**, Department of Pharmacy Practice; and **Mark Riofski**, Department of Medicinal Chemistry and Molecular Pharmacology. The 2012 recipients of the *Jenkins-Knevel Awards for Excellence in Research* are: **Ahmed Abdelhady**, Pharmacy Practice; **David Anderson**, Medicinal Chemistry and Molecular Pharmacology; **Lindsay Wegiel**, Industrial and Physical Pharmacy; and **Shuai Yu**, Medicinal Chemistry and Molecular Pharmacology.



## ALUMNI, STAFF & STUDENT ACTIVITIES

### Homecoming Festivities

The College of Pharmacy welcomed many alumni on campus for Homecoming weekend. As it has become a tradition, the weekend kicked off with the hugely popular Student and Alumni Chili Supper on October 12, 2012. Over 250 attendees feasted on C' Ray's famous chili and vegetable soup. Following dinner, friends gathered to watch the Purdue Homecoming Parade and cheer on our four Pharmacy students on the homecoming court. The next day, the College hosted over three hundred alumni, students, and friends to its annual Homecoming Tailgate. As always, alumni enjoyed reconnecting with friends and former faculty throughout the festivities.



(L to R) John Hertig (BS 2008, PharmD 2008), Mark Triboletti (PharmD 2008), Jessica (Larva) Triboletti (PharmD 2010), and Megan Zolman (PharmD 2008)



Pharmacy students Jacob Mattox and Tara Driscoll, members of the 2012 Homecoming Court



Pharmacy students gather for the parade

Dr. Steve Scott catches up with Ryan Manuszak (PharmD 2012)







Jason (PharmD 2003) and Tricia (Gross) Lohr (PharmD 2005) enjoy the festivities with their sons Andrew and Josh



Pharmacy student Jacob Mattox enjoys the tailgate with his family



Multicultural Association of Pharmacy Students (MAPS)



Rhonda Peck (BS 1998) and her husband, Chris, with their adorable daughter, Alexa

## CLASS NOTES



### Purdue Alum Celebrates 30 Years of Cycling

#### 1960-1969

**Gerald Fagen** (BS 1968) was featured in an article on nwi.com celebrating the 40th anniversary of Fagen Pharmacy. Under Jerry's leadership, the pharmacy now employs over 250 employees in 22 locations. Gerald has also served the College of Pharmacy by being a preceptor and mentor to many of our of pharmacy students through the years. You can read the September 5, 2012, article at [www.nwitimes.com/business/local/fagen-pharmacy-marks-years/article\\_52d1dd1a-8744-50e7-8433-58d45b4958c1.html](http://www.nwitimes.com/business/local/fagen-pharmacy-marks-years/article_52d1dd1a-8744-50e7-8433-58d45b4958c1.html).

#### 1970-1979

**Charles Sanders** (BS 1978) is Vice President of Graduate Medical Education and Research for Mount Carmel Health System, a four hospital system located in Columbus, OH, and part of the Trinity Health System.

**Sarah (Burnside) Sanders** (BS 1978, PharmD 1980) is serving as Secretary and Bylaws Chair of the American Medical Association Alliance and was recently elected to the Board of Directors of the American Medical Association Foundation. They live in Dublin, OH. You can also read about them on page 3.

#### 1980-1989

**William Cover** (BS 1989) continues to fulfill his term on the 2012-2013 National Association of Boards of Pharmacy Executive Committee. He is a member of the Indiana Board of Pharmacy. Bill is Corporate Manager of Pharmacy Affairs for the Walgreen Company in Deerfield, IL.

**Daniel Davis** (BS 1980) became the Director of Alere Health in Rosemont, IL.

**Michael Cent** (BS 1985) is the founder of the Purdue Bicycle Racing Club officially created in November 1982. In 1999, the group was renamed the Purdue Cycling Club. Mike is an avid cyclist to this day, and he uses his bicycling knowledge and experience to encourage his patients to live a healthier lifestyle. Mike is Manager at the Costco Pharmacy in Gilroy, California (the garlic capital of the world).

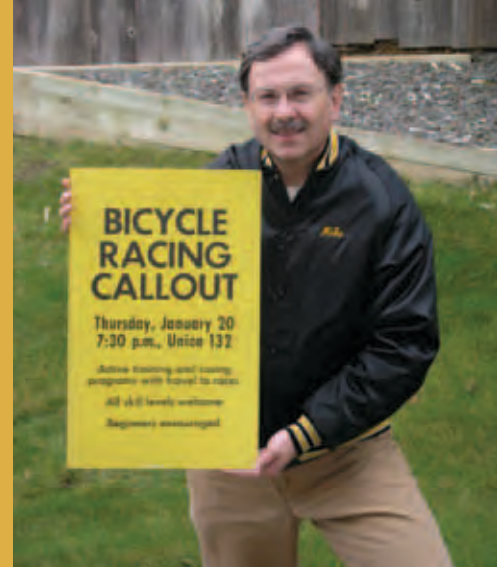
The club marked its thirtieth anniversary in 2012, and you can read more about the organization under the Alumni & History section at <https://sites.google.com/site/purduecyclingclub/>. Three documents about the history of the club can be found at the bottom of the webpage, and the one entitled "EarlyClubHistory," written by Mike, shares information about the origins of the group.

Mike says the club leaves its mark in all who pass through, as he states in the forward of the document. "This club is like no other. It is impossible to mix mind, body, machine, and asphalt and remain unchanged." He explains how the club came to fruition in the following excerpt.

***"It all began during my freshman year in the Fall of 1980. I was a pharmacy student living in Cary Quad. Through high school I had been an occasional runner. But upon entering college I took up running in earnest.***

***During that first semester, I strained my Achilles tendon and that more-or-less put a stop to running for the immediate future. By a stroke of luck (or providence) my roommate, Dominic, who was of Italian descent, was a bicycle racing enthusiast. He had no bike on campus that I can remember so he didn't train. He just enjoyed the racing culture that is so prevalent in Italian society. He got me excited about cycling, which was the perfect exercise for a strained Achilles tendon.***

***I became hooked on riding and somewhere along the way I purchased a Schwinn Super Le Tour, which was actually a pretty good sport bike. I lived in Cary Quad my second year as well and now I was beginning to see other cyclists living in the Quad. We started to get to know each other. We even had a Cary Quad Bicycle race from the backside of the stadium out to the end of Newman Road/300W and back. We had about 15 riders. Through all of this I was aware that the University had no bicycle racing club. Upon entering my third year (Fall '82) I set out to organize such a club. I met with other interested riders who lived at Cary and we laid the groundwork. It is no surprise that most of the original officers lived in Cary Quad. We signed the paperwork in November 1982, bringing the Club into official existence."***



Cent in 2010, wearing his original PBR jacket, with an original callout poster that was placed around campus



Cent in the spring of 1983 at the Southern Illinois University races

## 1990-1999



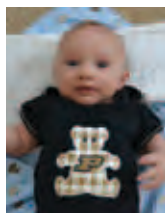
**Suellyn Sorensen** (PharmD 1993) was appointed on September 27, 2012, by Governor Mitch Daniels to the Executive Board of the Indiana State Department of Health.

The Executive Board is responsible for matters concerning the state department of health including reviewing and developing rules to protect or improve public health in Indiana. Dr. Sorensen is Director of Clinical Pharmacy Services for St. Vincent Hospital and Health System in Indianapolis, IN. She has served as President of the Indiana Pharmacists Alliance (IPA) and the Indiana Society of Health System Pharmacists. She holds adjunct appointments as an Assistant Professor of Pharmacy Practice at Purdue University College of Pharmacy and Butler University College of Pharmacy and Health Sciences. She is a past recipient of the IPA "Innovative Pharmacy Practice" award and the "Sperandio Health-System Pharmacist of the Year" award.

## 2000-2009

**Katie Behr** (PharmD 2007) married Paul Davis on June 16, 2012, in Madison, WI.

**Quinn and Lauren (Griffith) Czosnowski** (both PharmD 2006) are happy to announce the arrival of their son, Quinn David. He



arrived on August 9, 2012 at 7:46 a.m., weighing 8 lbs 4 oz. The whole family is doing well and enjoying spending time with their future Boilermaker!

**John Sackett** (BS 2000) has been promoted to Pharmacy Manager for Triad Isotopes, Inc. in Fort Myers, FL.

**Jared and Sarah (Zimnawoda) Bachman** (both PharmD 2001) are pleased to welcome their newest Boilermaker, Emmett Troy. He was born on November 23, 2011, at 8 lbs and 21" long. Big sister Mila Grace (6) and big



brother Nathaniel Rhys (4) are ecstatic to have another "toy" to play with!

## 2010-Present



**Ryan Braun** (PharmD 2004) married Julie Tomes on July 21, 2012.

**Erin Brown** (PharmD 2012) and Jeremy Fehrenbacher (BS 2009, Aviation Technology) celebrated their marriage on June 23, 2012, in New Albany, IN. They now reside in Laurel, MD.

**Francesca Lucci** (Masters Certification, Industrial and Physical Pharmacy, 2010) married Brian Kelvy in 2010. Their daughter, Giovanna, was born on Valentine's Day, 2011.

## IN MEMORIAM

- Paul G. Aust, Jr.** (BS 1954)
- Ernest P. Baxter** (BS 1950)
- Gordon S. Born** (BS 1955, Pharmacy; MS 1964 and PhD 1966, School of Health Sciences)
- Alvin C. Bothwell** (BS 1961)
- Earl J. Brown** (MS 1961)
- G. William Crist** (BS 1962)
- Phyllis J. (Borkowski) Eckman** (BS 1951)
- C. Sherman Ford** (BS 1949)
- Rebecca Apple-Haslanger** (BS 1976)
- Gary A. Jones** (BS 1961)
- Donald R. Lowes** (BS 1965)
- Robert Marchisotto** (MS 1954, PhD 1956)
- Albert L. Picchioni** (MS 1950, PhD 1952)
- Gregory E. Pierce** (BS 1981)
- Jack J. Roberts** (BS 1943)
- Karen S. (Henderson) Sappington** (BS 1984)
- William E. Shirley, Jr.** (BS 1949)
- David B. Small** (BS 1984)
- Blaine M. Sutton** (BS 1942, MS 1948, PhD 1950)
- Roger S. Timm** (BS 1950)
- James C. Titus** (BS 1941)
- Sandra L. (Lazier) Whitaker** (BS 1963)

## Update your info

Moved?  
Started a new job? Retired?  
Just Married?  
Had a baby?

Share your news with us by completing the online form at <http://www.pharmacy.purdue.edu/update>

OR

MAIL TO: College of Pharmacy  
Purdue University  
Heine Pharmacy Building,  
Room 104  
575 Stadium Mall Drive  
West Lafayette, IN 47907-2091  
FAX: (765) 494-9587

We encourage you to update your contact information so we can continue to keep you informed about the College of Pharmacy. You will be given the opportunity to advise us whether or not to share your news in *The Purdue Pharmacist*. Class Notes only reports those events that have actually occurred; this precludes engagements and pregnancies. We also do not report divorces, and we reserve the editorial discretionary veto. If you would like to submit a photograph (i.e., wedding and baby portraits), please mail them to the above address or email them to the Editor; they will be used based on



appropriateness and space availability and will not be returned. Please direct Class Notes inquiries to Amy Chandler, Editor, at [chandler@purdue.edu](mailto:chandler@purdue.edu).

# THE PURDUE PHARMACIST

## College of Pharmacy

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## White Coat Ceremony

The College of Pharmacy welcomed the Class of 2016 to the pharmacy family on September 16, 2012. Over one thousand people gathered in the Loeb Theater on campus to witness this special ceremony as faculty assisted the class with donning their white coats. We were honored to have Timothy Tracy (PhD 1988) serve as the keynote speaker. Dr. Tracy is Dean of the College of Pharmacy at the University of Kentucky. The College also extends its appreciation to Kroger for sponsoring this memorable event.

