Grand Opening of the OUS/OHSU Collaborative Life Sciences Building
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Join us for special events throughout the year

Alumni

BEAVERx is published for alumni and friends of the Oregon State University College of Pharmacy.

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In faculty news, we’re excited Dr. Megan Herink has joined the Department of Pharmacy Practice as a Clinical Assistant Professor. Dr. Herink is board certified, has an MBA, and was part of our Drug Use Research and Management group for three years. Her clinical practice will be in the Department of Family Medicine at OHSU. We’re also fortunate to expand our Pharmaceutical Sciences faculty with the addition of Drs. Conroy Sun and Gaurav Sahay. They will join Drs. Oleh Taratula and Adam Alani, who are moving their laboratories from Corvallis, in the CLSB. Together, these four establish a core of drug delivery experts in the College who are able to capitalize on collaborations with researchers in the Knight Cancer Institute and other departments at OHSU.

In May, the College presented the Icon of Pharmacy award to three individuals who have made exceptional contribution to the advancement of Pharmacy practice and education. The awardees were State Representative Jim Thompson, former Executive Director of the Oregon Board of Pharmacy Gary Schnabel ('85), and Robert Beardsley ('72), an Associate Dean at the University of Maryland and President of ACPE Board of Directors. We also recognized Josh Bishop ('06) with the Outstanding Young Alumni Award (see pages 22 and 24).

I am very pleased to report two important development milestones were reached last year. As the university nears completion of the Campaign for OSU, the first capital development campaign in its history, the College of Pharmacy was proud to surpass our $10 million target in November. By January, OSU reported it had reached its target of $1 billion. Celebrations marking this tremendous accomplishment are scheduled for Homecoming weekend this fall.

The commitment to excellence from Pharmacy alumni and friends last year resulted in $1.37 million in philanthropic support for scholarships and various programs. One highlight was a very generous and impactful gift from Reed ('71) and Julie ('69) Rosling who designated a $600,000 gift to the College in their estate plans, creating the Rosling Endowed Professorship in Pharmacogenetics. Additionally, talented faculty secured $831,000 in private research grants. This $2.2 million in total private support is the most the College has generated in a single year and brings our total fund raising during the Campaign period to over $12 million! My sincere thanks go out to our amazing alumni and stakeholders who so generously support the students and faculty.

Sincerely,

Mark Zabriskie, PhD
Dean, OSU College of Pharmacy
Award Winning Online CE Programming

Coming September 2014:

**Patient Safety/Medication Error Reduction for Pharmacists**

Developed collaboratively by OSU’s College of Pharmacy faculty and the Oregon Patient Safety Commission, this **18-credit-hour (1.8CEUs)** course contains a brief introduction by the Institute for Safe Medication Practices and provides pharmacists with the tools to identify problems, reduce risk, and improve communication. This course is designed to increase patient safety within the pharmacy environment.

### Improve Your Management & Human Resource Skills

Better navigate the challenges of an increasingly complex, fast-paced, and outcomes-oriented workplace. Developed jointly by the OSU College of Pharmacy and College of Business, **Management & HR Skills for Pharmacists**, an **18-credit-hour (1.8 CEUs)** online course, will:

- Improve your leadership, staffing, and decision-making skills.
- Help you enhance your team’s performance through better coaching, motivation, and feedback.
- Ensure that you are managing to the highest standards and complying with employment law.

**Reimbursable**

The price is $350 and group discounts are available. Call 877.636.9585 for more information. Be sure to check with your employer to see if they will reimburse you for this continuing education certificate program expense.

### Reduce and Manage Your Work-Related Stress

**Stress Management for Pharmacists** is an online, unique, and directly applicable **5-credit-hour (0.5 CEUs)** course that explores particular stressors impacting pharmacists in various practice settings and offers practical solutions to working effectively and safely in stressful situations.

Coming December 2014:

**Pharmacists and Cultural Awareness**

**3-credit-hour (0.3 CEUs)** online CE program

pharmacy.oregonstate.edu/online_ce
877-636-9585 I osuinfo@apollidon.com

Accredited by the ACPE

This program has been planned and implemented in accordance with the policies of the Accreditation Council on Pharmacy Education (ACPE) through the sponsorship of Oregon State University College of Pharmacy. Oregon State University College of Pharmacy is accredited by the ACPE as a provider of continuing pharmacy education.
Alumni Director’s Message

Thanks to many of you, this has been another amazing year at the College. We hosted our first annual Professional Day in May at which we held our Quick Conversations event, a Managed Care Discussion Panel and the Pharmacy Business Case Competition (see page 18). This year also kicked off our OSU Women in Pharmacy Luncheon series that welcomed a number of alumnae back to campus. This amazing group of women, led by Susan Poole (’69), learned about current happenings at the College and shared exciting plans and fresh ideas (see page 20). Join us next year on May 1, 2015.

OSU College of Pharmacy Alumni Top Ten Things to Know

1. PharmD/MBA Dual Degree Program: Our PharmD/MBA dual degree program for current PharmD students has taken off and alumni are getting their MBA through this program, too (see page 13). This flexible program is designed for busy professionals with classes held in our new Collaborative Life Sciences Building (CLSB) on the OHSU waterfront campus.

2. Collaborative Life Sciences Building: The CLSB is the new home of our Portland campus. This world-class facility expands our students’ experience allowing them to work in an interprofessional environment with OHSU medical and dental students during their 3rd year. 1st and 2nd year students continue to benefit from the rooted history of our educational experience on the Corvallis campus (yes – still in Room 305!)

Join us for a reception and room dedications during the OSPA Annual Convention in the CLSB on November 7, 2014. Enjoy hosted cocktails, appetizers and the fun we have planned for you in the new building! (See page 5)

3. Continuing Education Programming: We are adding new courses to our nationally recognized continuing education programming designed for you. In addition to popular courses such as Management & HR Skills for Pharmacists, the highly anticipated Patient Safety for Pharmacists program will be released this month (see opposite page).

We have fantastic events planned for our OSU College of Pharmacy alumni family this year! We hope you will join us for many of these fun opportunities to re-connect.

4. Pharmacy and Football Entrepreneurial Academy Showcase September 20, 2014: To kick off the school year, we return to the Reser Stadium Fan Cave Skybox for a fundraiser benefiting our Entrepreneurial Academy (see page 12).

5. White Coat Ceremony | October 9, 2014: Please email me if you would like to attend this special event. It is an honor to have alumni present for our incoming P1 students!

6. Scholarship Benefactors Reception | October 14, 2014: We look forward to hosting those of you who generously support our extensive student scholarships at Langdon Farms Golf Club – invitations will arrive in the mail soon.

7. Homecoming & Class Reunions | October 30 – November 1, 2014: The fun starts on Thursday with the Homecoming Parade featuring a pharmacy-themed float built with our partners from Samaritan Health. Pharmacy class reunions for the classes of 1954, 1964, 1974, 1984, 1984, 1994 and 2004 will be held on Friday and Saturday. Email me to get involved! Saturday is game day – join us for the Dean’s Coffee four hours before kick-off (see Back Cover).

8. Apothecary Ball | March 7, 2015: This annual student-led evening of dancing, cocktails and fun benefits student clinical outreaches throughout the state. This year the ball will be held in the new Collaborative Life Sciences Building on the South Portland Waterfront. Tickets go on sale December 1st! Get yours before they sell out. Don’t miss your chance to give back to your alma mater while having a fantastic time reconnecting with pharmacy colleagues and friends. (See page 28)

9. Icons of Pharmacy | May 2, 2015: The annual Icons of Pharmacy event provides the College an opportunity to honor our most accomplished and revered alumni. This event sells out every year; to be included on the invitation list for this special evening, please email me.

10. Professional Day | May 30, 2015: This is a fantastic way to offer your professional expertise to our students as a Business Case Competition judge, a Quick Conversations participant, or a speaker in small or large group format. Email me to get involved with this great event!

Other exciting events throughout the year include our Student Recognition Banquet, the many PharmD Enrichment and Professionalism Programs, and too many others to list. We conclude the year with the College of Pharmacy Graduation and reception on June 12, 2015.

If you are interested in attending any of these events, please call or email me at Paige.Clark@oregonstate.edu or (541) 736-6607. Also, please send us your alumni interest stories to include on our website, monthly e-news, and the annual BEAVERx magazine and share your OSU College of Pharmacy Beaver pride!

Sincerely,

Paige Clark, RPh (’85)
Director of Alumni Relations and Professional Development

To receive the OSU College of Pharmacy monthly e-news with stories about alumni, students, faculty, and college events, email me at Paige.Clark@oregonstate.edu or http://pharmacy.oregonstate.edu/beaverx_e-news
Responsibilities in academia are a three-legged stool of education, research, and service. Focused support of all three areas is challenging but essential to our mission as a comprehensive College of Pharmacy and OSU’s land grant tradition. Professional and graduate students, alumni, and the state of Oregon depend upon our strengths in each area to fulfill their needs for healthcare education and wellness.

In Service, our faculty is constantly visible, working to discover where needs exist, and then creating everything from presentations to online courses to meet those needs. Our students oversee more than sixteen patient care outreach committees and provide leadership at events across the state impacting the health and wellness of thousands of Oregonians.

Research in the Department of Pharmaceutical Sciences is nearing fulfillment of a vision established over a decade ago. We have undergone an intentional effort to build out research expertise and graduate education in three core areas: Drug discovery (Medicinal Chemistry), Drug Action (Pharmacology) and Drug Delivery (Pharmaceutics). Research in drug discovery and drug action have grown through strategic hires over the past several years and this fall two new faculty, Drs. Conroy Sun and Gaurav Sahay, will expand our expertise in drug delivery.

In Education, this fall marks 15 years since we initiated a new curriculum establishing the entry level PharmD degree at OSU. That curriculum has constantly evolved, enhancing capabilities of graduates and staying current with changes in the profession. This fall begins implementation of more substantive revisions to the educational content and structure. Just as expectations for pharmacy continue to expand within a more collaborative healthcare system, the preparation of students seeking professional education has also changed; the vast majority now having completed a bachelor’s degree before entering our professional program. The revised curriculum takes advantage of the maturity of our students and challenges them to make a difference in the health and wellness of patients. Overlaid throughout the curriculum is a new level of attention to essential life skills. Communication, cultural awareness, patient advocacy, interprofessional collaboration, and self-awareness are all part of a personal and professional skill set that creates value from knowledge.

The three legs of academia – education, research and service – are each essential to provide not only stability, but also a strong foundation upon which one can build. The difference is that the landscape, the needs of our students – alumni – profession – citizens, keeps shifting. Meeting these challenges keeps us energized and hopefully keeps you, as alumni, proud of the tradition of excellence in which you share.

The planning for the just-completed move to the new Collaborative Life Sciences Building (CLSB) has been a major focus of the Portland campus for the past year. Amidst that planning though, a number of significant advances took place.

Our P2 class traveled to Portland on three occasions over the last year to participate in the inaugural Foundations of Interprofessional Collaboration and Practice sequence. This introduction to the OHSU campus and its variety of health-professions students will continue to advance the collaborative practice needs of our entire healthcare system and better position tomorrow’s pharmacists within it. This course will expand in the coming year and additional opportunities for advanced interprofessional courses will be offered.

A year that was marked with a record number of advanced trainees in Portland was capped with the graduation of two residents from a partnership residency program with Central City Concern (CCC). This residency program produces ambulatory care pharmacists capable of leading care for the underserved and the partnership between the College and CCC continues to expand and grow in strength.

Faculty scholarship continues to advance with multiple grant partnerships across both industry and federal environments. National and international acclaim was won for faculty papers on infectious diseases, addiction, poly-pharmacy, and lipids among others. Faculty members from both campuses also served in a number of organizational leadership roles at the state and national level. Furthermore, our students, residents, and fellows won best poster competitions at multiple pharmacy meetings across the state.

Last year saw a number of increased partnerships within the OHSU campus and greater Portland. The advancement of our new building will allow for even greater returns. We look forward to having our first class of P3’s in the CLSB this fall, and to an amazing year ahead.
OSU College of Pharmacy invites you!
Alumni Reception during
OSPA Annual Convention

Collaborative Life Sciences Building

**Friday, November 7th**
6:00 PM- 8:30 PM
2730 SW Moody Ave.
Portland, OR 97201-5042

Enjoy a short program,
dedications & tours

*Hosted cocktails, hors d’oeuvres & live band*

RSVP appreciated to Paige Clark
Paige.Clark@oregonstate.edu or 541-736-6607
July marked the grand opening of the much-anticipated OUS/ OHSU Collaborative Life Sciences Building (CLSB) on the OHSU South Waterfront campus – the new home of the College of Pharmacy’s Portland-based operations. This joint project between the Oregon University System (OUS) and OHSU combines undergraduate, professional, and graduate research programs from OHSU, OSU, and PSU. The revolutionary $295 million building has nearly 500,000 sq. ft. of lab and classroom space and is designed specifically to promote interprofessional and collaborative education and research between the various schools and diverse disciplines.

The CLSB is now home to OSU College of Pharmacy third year students, PSU introductory biology and chemistry classes, and OHSU medical, dental, physician assistant, and radiation technology students. The College of Pharmacy’s educational and offices spaces are located primarily in the south tower of the building. The College has three 25-seat classrooms on the 1st floor, just off the large central atrium. These classrooms can accommodate smaller groups in clinical practice labs and elective courses. The College also has a large, theater-style 150-person lecture hall on the 2nd floor. The 5th floor of the south tower houses 22 faculty/staff offices, 16 student/research assistant workstations, as well as large and small conference rooms.

The CLSB also boasts 20,000 square feet of simulation laboratory space, including clinical skills training and standardized patient rooms. The state-of-the-art simulation lab is comprised of eight “theaters” with a control room and debriefing room for each. Each theater is set up to simulate different medical environments, including a surgery room, NICU room, emergency room, and three medication rooms where College of Pharmacy students will be able to simulate in-patient care. These simulation spaces facilitate interprofessional education giving student practitioners the opportunity to work in interdisciplinary teams.

In addition to the increase in educational space, the College will dramatically increase its laboratory space in Portland. We now have six laboratory-based researchers located in the north tower of the CLSB. Together they will occupy over 9,000 sq ft of laboratory office and workstation space. Drs. Matt Ito and

“This new facility will have a major impact on the OSU College of Pharmacy’s program on the OHSU campus. It provides dedicated and expanded instructional space and room for additional faculty aimed at providing the best clinical training possible for future pharmacists.” –OSU President Dr. Edward Ray
Ganesh Cherala relocated their labs from the Center for Health and Healing in Portland, while Drs. Adam Alani and Oleh Taratula have moved from Corvallis and are the first members from the Department of Pharmaceutical Sciences to be based in Portland. Two new hires in the Department of Pharmaceutical Sciences, Drs. Guarav Sahay and Conroy Sun, will occupy the remaining two laboratories.

There is no doubt about the impact the CLSB will have on the future of pharmacy and healthcare. During the ribbon cutting ceremony, OSU President Dr. Edward Ray described the CLSB as “a world class concave for learning.” In his words, “This new facility will have a major impact on the OSU College of Pharmacy’s program on the OHSU campus. It provides dedicated and expanded instructional space and room for additional faculty aimed at providing the best clinical training possible for future pharmacists.”

Steve Lam, a P3 College of Pharmacy student, also spoke during the ceremony. He emphasized the impact the CLSB will have on interprofessional collaboration and education between the many students in the healthcare profession on the OHSU campus in the years to come. Lam told those gathered, “This state-of-the-art building will be an important catalyst that drives us further toward impactful change in healthcare in Oregon. The designated interactive and collaborative spaces will help develop relationships that will break down the silos we sometimes operate in [...] The healthcare professionals who are fortunate to train in facilities like the CLSB will be part of a community in which to share their ideas and knowledge, and to truly collaborate.”
Benton County Community Health Center Pharmacy

Friday, August 15, 2014 the Benton Health Services Pharmacy celebrated their Grand Opening by hosting an Open House and Ribbon Cutting Ceremony. Although the pharmacy officially opened the first week of June, the celebration was postponed until August in order to align with Health Center Week.

As a partnership with OSU College of Pharmacy, college faculty and staff will operate the full-service pharmacy. Pharmacy students will train at the pharmacy as part of their required curriculum. The partnership allows for increased training, research, and scholarship for College of Pharmacy students.

The opening of this pharmacy is significant to the Benton Health Services patients of Corvallis and surrounding areas by providing more streamlined healthcare and increased medication access. Patients will no longer have to go to a separate location to fill their prescriptions—which can be cumbersome and add extra expenses for many of the patients who use the Community Health Centers of Benton and Linn Counties. Of the 31 County Health facilities in Oregon, only 6 have an on-site pharmacy.

OSU’s Veterinary Teaching Hospital Pharmacy: College Partnership Sets Leading Example in Veterinary Pharmacy Practice

The Acheson Teaching Hospital Pharmacy, or Veterinary Teaching Hospital (VTH) Pharmacy, within the College of Veterinary Medicine has been managed by the College of Pharmacy since 2011. The relationship between the two colleges is nationally one-of-a-kind, a new frontier where the colleges share the pharmacy’s facility site and employee services.

This relationship has a profound impact on defining veterinary pharmacy practice for both pharmacy and veterinary professionals as a rare and leading example of this practice setting. The VTH Pharmacy provides exceptional learning opportunities for practicing pharmacists and veterinarians, as well as for current OSU PharmD and veterinarian students.

The staff at the VTH Pharmacy is led by Dr. Brian Bowers, Director of Pharmacy, and Staff Pharmacist Dr. Rosita Rodríguez Proteau. The pharmacists are supported by a full-time pharmacy technician and a supply technician, as well as multiple volunteer and student worker pharmacy technicians. Pharmacy staff dispense prescriptions for both inpatient and outpatient veterinary patients including canine, feline, equine, bovine, ovine, caprine, alpaca, and swine patients.

For full story visit http://pharmacy.oregonstate.edu/vetmed

Pharmacy Director, Brian Bowers, and a Veterinary Technician work with an equine patient
The challenges were steep. For one thing, the organism is super-complex. Elizabeth to mount a hunt.

Nelson Mandela Metropolitan University, met at the bay near Port So McPhail and organism’s extraordinarily complex natural products chemistry. Scientists needed more tissue to continue characterizing the organism in 2004. Tunicates, which come in a rainbow of garish hues and a phantasmagoria of quirky shapes, ward off predators by manufacturing potent poisons. This new species of Lissoclinum organism in 2004. Tunicates, which come in a rainbow of garish hues and a phantasmagoria of quirky shapes, ward off predators by manufacturing potent poisons. This new species of Lissoclinum—"mandelalides"—and then runs their extracts through the super-conducting magnet of an NMR spectrometer — a key step in analyzing the structures of natural compounds with potentially curative powers. But lab work is only half of this researcher’s scientific persona.

Before she can test them, she has to collect them. That’s why McPhail periodically undergoes a superhero-like transformation, trading her staid white lab coat for a sleek black wetsuit, strapping on a mask, a scuba tank and a pair of fins. Then, tucking a mesh collection bag and a supply of Ziploc bags into her dive belt, she splashes into some of the planet’s most remote — and sometimes dangerous — waters to collect rare marine organisms that may hold the secrets to curing a small child’s brain cancer or a young mother’s malaria. McPhail is among an elite handful of Oregon State researchers whose other lab is underwater. She dives off the coast of Saudi Arabia, in a cavernous reef in Panama, and amid the surging seas of South Africa to find chemical compounds for fighting aggressive cancers and deadly pathogens.

Last July, McPhail boarded an international flight at PDX en route to South Africa on a harrowing mission: to collect specimens of an extremely rare species of cancer-fighting “tunicate” (sedentary, sac-like marine organisms known colloquially as “sea squirts” for sucking in and squirting out seawater as they feed) in Algoa Bay, where waters surge wildly through narrow channels and hidden caverns.

Pharmaceutical researchers worldwide have been excited about this tunicate’s cancer-killing compounds ever since McPhail and fellow researchers from Rhodes University discovered the organism in 2004. Tunicates, which come in a rainbow of garish hues and a phantasmagoria of quirky shapes, ward off predators by manufacturing potent poisons. This new species of Lissoclinum ascidian, its white luminescence giving it a ghostly glow in the ocean, produces a compound that kills human lung cancer cells in test tubes. These bioactive chemicals are named “mandelalides" in tribute to the great South African leader Nelson Mandela.

By 2013, however, the collected specimens had been depleted. Scientists needed more tissue to continue characterizing the organism’s extraordinarily complex natural products chemistry. So McPhail and Shirley Parker-Nance, a tunicate taxonomist from Nelson Mandela Metropolitan University, met at the bay near Port Elizabeth to mount a hunt. The challenges were steep. For one thing, the organism is super-scarse. It has been found only in this one spot on Earth, clinging to a reef called White Sands. Second, powerful surges and treacherous currents rip through the reef and this tunicate dwells exclusively on the shadowy overhangs of deep, rocky ledges. Under those very ledges skulks the ragged-tooth shark, Carcharias taurus. Despite its extensive dentation, which resembles rows and rows of ivory ripsaws, these sharks are “surprisingly bashful,” according to McPhail. Bumping into the odd shark, she concluded, is a chance worth taking for science.

Last year, McPhail and her team dove in the Red Sea to collect sponges and cyanobacteria (a phylum of photosynthesizing bacteria formerly known as blue-green algae). The targets of the trip were new species of cyanobacteria, including those in the genus Symploca and the genus Leptolyngbya, now undergoing analyses in Saudi Arabia for their molecular structures and cancer-fighting potential.

On the other side of the Earth, another novel cyanobacteria species belonging to a new genus still being described is in demand by the National Cancer Institute and scientists such as OSU pharmacologist Jane Ishmael. Their target is a potent compound called coibamide, discovered in 2008. Working with the National Institutes of Health-funded International Cooperative Biodiversity Group in Panama, McPhail — one of the species’ discoverers — has made dozens of dives into the Pacific collecting samples of the purplish-red, hair-like organism, which has shown powerful effects against breast and colon cancers as well as glioblastoma, a very aggressive brain cancer for which there are currently few treatment options. On the research boat, McPhail and her teammates transfer strands of the organism into tissue-culture vials filled with water for transport to labs in Panama, Oregon and San Diego, where the scientists will continue investigating its remarkable cancer-killing powers.

To read more from the article Total Immersion by Lee Sherman, visit oregonstate.edu/terra/
Dr. Dan Rackham

Dr. Dan Rackham (‘08), Clinical Assistant Professor, joined the College in 2012. At Rackham’s practice site – Good Samaritan Regional Medical Center – he works in acute care internal medicine and rounds with the hospitalist team. Rackham is responsible for managing complex pharmacotherapy for hospitalized patients, monitoring patient medications, ensuring correct dosing, and making recommendations to the hospitalist team as part of the inpatient care service. As a preceptor for pharmacy residents and P4 students at Good Samaritan, he enjoys helping students translate knowledge gained in the classroom into practical applications to complex patient care scenarios. He also trains residents to be effective and confident preceptors by modeling it for them and by providing co-preceptor opportunities to them.

At the College, Rackham coordinates the Introduction to Therapeutics course for the P2 students, which covers topics including pediatrics, geriatrics, and men and women’s health. As a working pharmacist, Rackham is able to bring real-world perspective to the P2s and prepare them for clinical opportunities in their P3 and P4 years and beyond.

This past year Rackham was instrumental in the production of an online Patient Safety CE course developed by the College. Rackham worked with fellow pharmacy practice faculty members Dr. Lorinda Anderson, Roberto Linares (‘91), Dr. Shannon Starwalt (‘07), and Ann Zweb (‘95), along with the Oregon Patient Safety Commission, and a representative from the OHSU Patient Safety Committee to develop the curriculum. The course is designed for working pharmacists and provides them with knowledge and tools that can easily be implemented in their practice settings to prevent medication errors from occurring.

Dr. Harleen Singh

Clinical Associate Professor Dr. Harleen Singh teaches several courses to 3rd year pharmacy students at the College’s Portland-based campus. Singh’s Pharmacy Practice course features an interactive approach that develops students’ critical thinking. Students get hands-on patient care experience assessing active patient cases. Singh also teaches Therapeutics course modules during the P3 year as well as two elective courses – an ambulatory care elective and a research elective.

In Singh’s ambulatory care elective, a small group of students have the opportunity to see patients in clinic with chronic diseases and perform physical assessments. In her research elective, a select group of 3 to 4 students participate in a one-year, longitudinal experience where they are able to see patients and participate in quality assessment and quality improvement projects that lead to improved patient outcomes.

Over the summer, Singh arranges weekly pre-therapeutic sessions for incoming P3 students. Singh engages P4 students to help prepare interested P3s for the evolving expectations and various teaching styles they will encounter as they transition from the College’s Corvallis campus to the Portland campus. These sessions establish mentoring relationships between P3 and P4 students and allow P4 students an opportunity to teach while providing valuable preparation to the P3s.

A heart failure specialist, Singh’s primary practice site is the Portland Veterans Administration Medical Center where she manages a heart failure clinic she began 8 years ago. Singh also practices at the OHSU Richmond Clinic pharmacy where her focus is polypharmacy and resistant hypertension. Singh’s third practice site is Central City Concern’s (CCC) Old Town Clinic. She is the residency director for the new ambulatory care residency program CCC has established in collaboration with OSU and precepts two residents at Old Town Clinic.

Faculty Highlights - Pharmacy Practice
Dr. Theresa Filtz

Dr. Theresa Filtz, Associate Professor, heads a lab in the College of Pharmacy dedicated to researching intracellular signaling with the goal of identifying new drug targets.

One of Filtz’s research tracks looks at the changes that occur within heart cells resulting in atrial fibrillation (AF), specifically focusing on the differences in levels of phospholipase C-β1, a signaling enzyme, between patients with AF and patients without it. Currently no good treatments exist to control this disease; available therapies only manage its symptoms. Filtz hopes to change that. Eventually Filtz and collaborator Dr. Chrissa Kioussi – a fellow researcher at the College of Pharmacy – hope to identify a pharmacological method to control the processes that lead to AF.

Filtz is also collaborating with Dr. Mark Leid (PhD ’90) on a project researching the Bcl11b protein, a factor that is critically important to the proper development of the immune system. Individuals in which the Bcl11b factor functions incorrectly are prone to certain leukemias. Filtz is working to determine what controls the function of this factor with the goal of identifying a way to intervene earlier in instances of leukemia and other T-cell related diseases.

Outside of her lab, Filtz teaches 1st and 2nd year PharmD students about the pharmacology of drugs that affect the nervous system. Filtz also draws on her PhD training to teach about drug treatments for schizophrenia and other psychoses, as well as depression.

Filtz serves the College of Pharmacy as the current chair of the College’s Curriculum Committee where she is engaged in the continuous process of revising the PharmD curriculum to keep it current. Filtz also serves on the university-level Graduate Council that looks at policies affecting the university’s graduate programs and graduate students.

Dr. Mark Leid

A 22-year veteran of the College of Pharmacy faculty, professor and Associate Dean of Research Dr. Mark Leid (PhD ’90) wears many hats.

As Associate Dean of Research, Leid focuses on making it easier for pharmacy faculty to maintain, expand, and enhance their research programs within the College and across campus. He is dedicated to encouraging and facilitating new initiatives that connect researchers from diverse disciplines, most recently working with fellow faculty member, Dr. Taifo Mahmud, to launch the Center for Natural Products Drug Discovery on campus.

In addition to his work as an associate dean, Leid teaches P2 students in the Pharmacology/Medicinal Chemistry series, coordinating Phar 754. Leid’s lectures cover the pharmacology of cholesterol-lowering agents, anti-diabetic drugs, and drugs used in the treatment of osteoporosis and endocrine disorders. Leid also runs the seminar elective for P1 and P2 students. This elective course exposes PharmD students to research occurring within the College, across the OSU campus, and around the world.

Outside of the classroom, Leid’s lab in the College of Pharmacy discovered a class of proteins comprised of CTIP1/BCL11A and CTIP2/BCL11B, and created mice lacking the corresponding genes. Leid has collaborated with investigators within the College (Drs. Chrissa Kioussi, Arup and Gitali Indra, and Theresa Filtz) and around the world to demonstrate that the CTIP/BCL11 proteins, which function to control gene expression, play key roles in the development of cranial and facial structures, the immune system, teeth, and skin. Leid and his collaborators hope to use their genetically engineered mice to discover new pharmacological treatments for patients suffering from diseases of craniofacial development, immune disorders, defective tooth enamel, and skin disorders.

Faculty Promotions

Mr. Roberto Linares has been promoted to Senior Instructor

Dr. Ali Olyaei has been awarded indefinite tenure

Dr. Juancho Ramirez has assumed the newly created position of Assistant Dean for Experiential Programs
Pharmacy and Football Entrepreneurial Academy Showcase

FAN CAVE
Reser Stadium private skybox

OSU vs. San Diego
Saturday, September 20th
Presentation by Entrepreneurial Academy, lunch and game hosted in Reser Stadium Fan Cave!

* Hosted luncheon and refreshments
* Entrepreneurial Academy Showcase
* View game in “Fan Cave” private suite
* Membership in Beavers Leaders Club

(Ticket sales support OSU College of Pharmacy Entrepreneurial Academy)
Ticket purchase: $150 For reservations: paige.clark@oregonstate.edu

Generously sponsored by GSL Solutions and inaugural Beaver Leaders: Shelton & Christine Louie and Frosty & Vicki Comer

Contact Paige Clark to RSVP
Paige.Clark@oregonstate.edu | 541-736-6607

Entrepreneurial Academy
Entrepreneurial Academy Holds 1st Annual Business Case Competition

The 2013-14 academic year was marked by exceptional expansion for the OSU College of Pharmacy Entrepreneurial Academy (EA) as students created and ran the first Business Case Competition on May 31, 2014 in which EA students competed in teams for financial scholarships. Teams were given a case involving justification of pharmacist time and clinical services to solve and present to a team of judges. The cases required financial, managerial, marketing and project management expertise (see page 18 for the winning teams). Next year’s Business Case Competition will be held on May 30, 2015.

The EA held a successful showcase football event in 2013 at the Memorial Union and are excited to announce the return to the Reser Stadium Fan Cave skybox for the 2014 EA Showcase event (see above ad for information on tickets to the event). EA students also organized the annual Breakin’ Down the MU health screening event and breakdancing competition at the OSU Memorial Union. The competition attracts talented dancers from San Diego to Canada and raises funds to support student activities and EA projects.
Kevin Russell (‘93) is a Regional Pharmacy Manager for Safeway, a position in which he oversees 24 pharmacies across Oregon. This recent promotion comes after nearly four years working as a pharmacy manager for the company, and shortly after Russell’s enrollment in the OSU MBA program specifically designed for pharmacy.

One of the biggest challenges facing the pharmacy profession today is being left out of the highest level decision making that determines the direction of healthcare in the state and across the country. In order to overcome this, Russell says “the profession needs individuals that have both clinical pharmacy training and experience as well as management and executive skills and tools.” With just three terms left before his MBA is complete, Russell is well prepared to realize his vision to “bring forth positive change in the pharmacy profession.”

Since beginning his MBA in 2013, Russell has managed a course load of two classes per term. He says the key to his success is the program’s “built in flexibility, which allows busy professionals to schedule classes and assignments around their work schedule.” The hybrid format of the program allows him to do much of his coursework online and attend just two physical class sessions per course at the College’s Portland campus in the new Collaborative Life Sciences Building with instructors Russell describes as “top notch.”

“I am incredibly impressed by the quality of the MBA course instructors. They have had high level jobs in industry and are rich in real life experience, which results in lessons that are seamlessly applicable on the job,” says Russell.

Having now taken courses in leadership, operations management, and IT development and strategy, Russell sees how each class hones a new skill or introduces a new tool that he applies immediately on the job. With only a few terms left, Russell says the MBA program has undoubtedly provided him with skills and advanced education that will solidify his dream of impacting pharmacy at the highest level.

In Russell’s words, “The value of getting an MBA is achieving both confidence and the complete skill set that allows me to step into any executive job, at any company, and know exactly how to lead.”

P3 Allison Gille Learns the Business of Pharmacy Through a PharmD/MBA Dual Degree

Allison Gille, P3, is one of an elite group of pharmacy students pursuing her PharmD/MBA dual degree. Gille’s interest in the program sparked when she took MBA foundation courses offered to current PharmD students on the Corvallis campus. The business knowledge she has acquired in these and core MBA classes has already benefited her during rotations. While interfacing with pharmacy professionals, Gille has a more complete understanding of the business of healthcare to compliment the clinical expertise she is gaining through her PharmD training.

After graduation, Gille plans to pursue a PGY-1 residency in hospital or ambulatory care with a long-term goal of working in geriatric medicine and, in her words, “having an MBA helps sets OSU students up for success.”

OSU Colleges of Business and Pharmacy
Bringing Pharmacy and Business Together
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MBA in Executive Leadership
for Pharmacy Executives and Leaders

- **Accelerated**: This 15–19 course MBA program can be completed on a part-time basis in as little as 21 months.
- **Convenient**: Hybrid classes blend online and face-to-face meetings to maximize learning and schedule flexibility. Most hybrid classes meet in person less than three times per quarter with Portland and Corvallis locations to choose from.
- **Affordable**: The MBA degree program qualifies for federal financial aid. Contact the Financial Aid Office for information.

For more information, contact Paige.Clark@oregonstate.edu
Four years ago the Class of 2014 received their first professional white coats at their White Coat Ceremony – a symbolic induction into the College of Pharmacy and into the pharmacy profession. Supported by family, friends, faculty and preceptors these students have made a remarkable journey that culminated in their graduation from the OSU College of Pharmacy on June 13th. However, with the close of this academic chapter for the Class of 2014, a new chapter begins as the new pharmacists enter the professional world.

At this year’s ceremony, OSU|OHSU College of Pharmacy conferred 93 Doctor of Pharmacy (PharmD) degrees, 2 Doctor of Philosophy (PhD) degrees, and 1 Master of Science (MS) degree. Furthermore, during the course of the 2013-2014 academic year, an additional 4 students completed their required coursework to earn their PhD degree. The Class of 2014 has an average age of 29 and is made up of 41% men and 59% women. Nearly 80 percent of the 2014 graduates are resident Oregonians. Additionally, 29 graduates will pursue postgraduate training in a pharmacy residency.

During the Graduation Ceremony, Class Vice President Joseph Mousa addressed the 92 present fellow graduates. Mousa talked about the quickly advancing pharmacy landscape and encouraged his peers to step up to be leaders of change and evolvement in the profession.
Distinguished guests Dr. Jeanette Mladenovic, Oregon Health and Science University Provost and Executive Vice President, and Dr. Sabah Randhawa, Oregon State University Provost and Executive Vice President, honored the graduates with inspiring speeches. Dr. Mladenovic echoed Mousa’s message about coming changes in pharmacy and healthcare. She spoke about the advances she has witnessed throughout her medical career and assured the graduates they are well prepared to face the challenges of tomorrow.

Dr. Randhawa congratulated the Class of 2014 on the accomplishment they have achieved through their hard work. He also spoke about the value and importance of the College’s collaboration with OHSU and the inter-professional education the students have received over the last four years. He too shared his confidence in the new graduates and their preparation to be exceptional healthcare providers.

Amidst the celebration of all the 2014 graduates, a few exceptional students were recognized for their outstanding work over the last four years. **Drs. Dave Bearden and Mark Leid** presented 11 students with 9 distinguished awards for the work they have done in the classroom, clinics, and community. These awardees are: Tarah Authier, Amy Higginson, Robert Lacharite, Leslie Minner, Joseph Mousa, Tina Patel, Michelle Pfeifer, Tabitha Purice, Pamela Soh, Long Trinh, and Stellar Yi.

Following the ceremony, graduates and their friends and families reunited outside of LaSells Stewart Center for a dessert reception sponsored by long standing OSU Pharmacy Partner, Fred Meyer.
Students

Scholarship Benefactors Reception

Each fall, the College of Pharmacy hosts a reception where scholarship recipients are afforded the opportunity to personally thank their scholarship donors. Nearly 120 students met with more than thirty benefactors who attended the October 8th, 2013 reception held at Langdon Farms Golf Club in Aurora, OR. The generosity of the supporters of the College helps support the students and faculty in meeting the educational and research missions of the College. More than 120 scholarships were awarded for the 2013-14 school year totaling more than $185,000. If you are interested in becoming a scholarship donor, please contact the college at (541) 737-3424 or email Lori Brown at Lori.Brown@oregonstate.edu.

White Coat Ceremony

Thursday October 3rd, 2013 marked the College of Pharmacy’s 13th Annual White Coat Ceremony to welcome the PharmD Class of 2017 to the pharmacy profession. This year’s White Coat Ceremony featured guest speakers Abby Floeter, PharmD (‘13) and Steve Keen, RPh, representing the event sponsor, Albertson’s Sav-On Pharmacy. Each of the new PharmD students received their first professional white coat from a member of the College’s faculty and took the Pledge of Professionalism led by P2 Student Executive Council President Patrick Brown marking their entrance into the profession of pharmacy. The 2014 White Coat Ceremony will be held on Thursday, October 9, at 5:00pm at the CH2M Hill Alumni Center on the Corvallis Campus.

Career Days

On January 22–23, 2014 the P1 and P2 classes filled the OSU Memorial Union for the 2014 Career Days Informational Fair and Internship Interviews. Approximately 450 interviews were performed during the two days, giving more than 130 students the opportunity to network and connect with multiple companies. In total, nineteen companies participated in the Informational Fair and thirteen companies performed interviews to fill their internship programs. Career Days follows P4 Interview Day, held in December, when companies interview P4 students for employment after graduation. The next P4 Interview Day will be held December 5, 2014. Career Days will take place on January 21–22, 2015.
Throughout the school year the PharmD Enrichment and Professional Program (PEPP) brings in speakers from various practice settings to talk to students about the many opportunities available in pharmacy. This year, PEPP brought in eight speakers from a variety of backgrounds and experiences including: Matt Hendrix (P4), Pat Person ('83), Sara White ('68), George Gerding, Chelsea Smith ('13), and Nick Lewis (P4) & Joshua Free. PEPP recently partnered with Student Services to align PEPP and Career Development Curriculum (CDC). Speakers are already being scheduled for the 2014-2015 Academic Year. If you are interested in participating as a PEPP presenter, please contact Paige Clark at Paige.Clark@oregonstate.edu.

The 9th Annual Apothecary Ball took students, alumni, and friends of the college back in time to the Roaring 20’s at the March 8th event held at the OHSU Center for Health and Healing. Local jazz band, The Shanghai Woolies, kept guests swinging around the dance floor between rides on the OHSU Tram, a silent auction, and old-fashioned carnival games. Proceeds from the event benefit student outreaches and educational activities. Thank you to attendees and sponsors for making the event a success. We look forward to seeing you at the 10th Annual Apothecary ball on March 7, 2015 at the Collaborative Life Sciences Building on the Portland Campus.

Every spring, students emcee the Student Recognition Banquet to celebrate the year’s accomplishments and honor outstanding fellow classmates, professors, and staff. In addition to presenting awards such as “Unsung Hero” and “Professor of the Year,” each class creates a slideshow of pictures showcasing the year. Students also provide the entertainment for the evening including live music and the “Lion Dance.” Next year’s Student Recognition Banquet will be held on June 3, 2015 at the CH2M Hill Alumni Center on the Corvallis Campus.

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Event and fundraising coordinators, P2 students Sarah Louie and Amy Tzou, had a successful year coordinating numerous student events and fundraisers beginning with the annual Luau welcoming students and staff back to campus. During Homecoming, they led construction of the Homecoming Float to get P1s involved early in the year. Their biggest success was the 9th annual Apothecary Ball. The Roaring 20’s theme allowed guests to fully enjoy a step back in time. The year ended with the Student Recognition Banquet showcasing the talents of their fellow students. Throughout the year both Sarah and Amy exceptionally demonstrated leadership and coordinating talents.

Students

Photo Credit: Eugene Su

Student Recognition Banquet

Photo Credit: Eugene Su

Apothecary Ball

Photo Credit: Eugene Su

PEPP

Photo Credit: Eugene Su

Event and Fundraising Coordinators

Photo Credit: Eugene Su

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On Saturday, May 31, 2014, the College hosted the first annual Professional Day for pharmacy students and alumni. Professional Day is a new event designed to help connect OSU College of Pharmacy alumni with current pharmacy students. The day is aimed towards providing students a multitude of networking opportunities with pharmacists from various practice settings and backgrounds.

The day started with the Entrepreneurial Academy’s Business Case Competition. The competition engages students in business aspects of pharmacy. Teams had several months to prepare a business plan for a true-to-life case prepared by faculty members and distinguished alumni. The final three teams gave an oral presentation of their business plan to the judges. First place was awarded to P2 students Kristin Gafner, Kayla Ruhl, and Eugenia Su. Second place was awarded to P1 students Susan Fedler, Brittany Louie, and Courtney Louie. Third place was awarded to P1 students Vikki Li, Shiela McCollam, and Austin Pliska. Each team received a scholarship award of $3,500, $2,500, and $1,500 respectively, divided equally among team members. The first and second place teams will present their cases again during the Pharmacy and Football Entrepreneurial Academy Fan Showcase to be held September 20, 2014 in the Fan Cave.

As the judges determined the team rankings, a managed care panel held a 45-minute interactive question & answer session with the audience. The managed care panel consisted of three professionals including Loren Christianson from PacificSource Health Plans, Naomi Lam (’12) from Moda Health, and Ted Williams (’09) who works at OSU College of Pharmacy with Drug Use Research and Management. The panel discussed aspects of managed care including the purpose of managed care, what managed care is, and changes within healthcare policies.

The day concluded with the annual Quick Conversations event. This is an event in which students and alumni are given approximately 10 minutes to converse about the profession. The purpose of Quick Conversations is to provide students with a rapid look at many options available in the pharmacy profession. They are able to network with alumni and providers from numerous backgrounds and professions within pharmacy practice. At the 2014 Quick Conversations event twelve pharmacists spoke with groups of students who rotated between the pharmacist presenters.

The first annual Professional Day was a huge success and we hope you are able to join us for the second annual Professional Day on Saturday, May 30, 2015.

The day would not have been possible without the support and dedication of many alumni and friends of the College. Special thanks goes to:

- **Entrepreneurial Academy**: Vince Whiting and Kate James (’01)
- **Business Case Competition**: Michele Belcher (’86), Josh Bishop (’06), Mike Douglas (’65), Adriane Irwin, and Kate James (’01) for their time and commitment put into designing the Entrepreneurial Academy’s Business Case Competition
- **Managed Care Panel**: Loren Christianson, Naomi Lam (’12), and Ted Williams (’09)
- **Quick Conversations**: Justin Bednar (’11), Randee Bowder, Doug Butler (’89) Loren Christianson, Kate James (’01), Kathy Kelly (’92), Kathy Ketchum (’82), Naomi Lam (’12), Dan Rackham (’08), Kevin Russell (’93), Vince Whiting, and Ted Williams (’09)
Students Impacting Oregon

Student-led Outreaches Impact Thousands of Oregonians

OSU College of Pharmacy students manage more than sixteen different patient care focused committees and provide leadership at nearly 50 healthcare outreach events across the state. These events impact the health and wellness of thousands of Oregonians each year.

Believed to be the largest health-screening event ever held before a Division I football game, the inaugural Beavers Diabetes Awareness Day was held in November. Students partnered with alum Cory Huot ('97) and Dan O’Neill from NovoNordisk, along with a number of other healthcare partners, alumni, and faculty. The event included screenings and immunizations to promote awareness and provide information about diabetes—a disease the American Diabetes Association estimates is undiagnosed in 7 million people in the U.S. Pharmacy students provided roughly 100 screenings including administering flu shots, blood pressure screenings and blood glucose screenings. Nearly 300 visitors stopped by to learn about diabetes, get active, and hear two-time Superbowl Champion Kendal Simmons share his personal story of playing in the NFL and living with Type 1 diabetes.

Also in November, OSU College of Pharmacy in collaboration with the Oregon Health Authority’s Oregon AWARE Coalition sponsored the 4th annual AWARE at the Square outreach event. This event, which occurs on the Friday of national Get Smart About Antibiotics Week, focuses on educating the public about appropriate antibiotic use, antibiotic resistance, and cold and flu prevention. This year, pharmacy students partnered with students from OHSU’s PA and Nursing programs to provide education to over 675 Oregonians and surveyed 277 people about their knowledge surrounding antibiotics and infections. Students also administered influenza vaccinations donated by Immunize Oregon to 46 uninsured people.

Other outreach events throughout the year included an event held at Festival Latino, an annual Blazer Night outreach held before a Portland Blazers game, an outreach with the Oregon Mission of Mercy, the annual student-run Sock Drive, an event highlighting Health Equity Week in June, and an outreach at Pet Day at OSU.

OSU College of Pharmacy Students in the National Spotlight

OSU College of Pharmacy students received the National Best Picture Award for their PharmFlix Video Contest entry “Dare to Change” at the APhA2014 Annual Meeting and Exposition held in Orlando, FL in March. The video, produced by P2 students Brian Haggblom, Don Ho, Eugene Su, and Cale Flesher, was chosen from a pool of 56 submissions from pharmacy schools across the country.

Bethany Withycombe, P3, was appointed as the student representative to the ASHP Council on Pharmacy Practice. Bethany will provide student perspective on pharmacy practice policy during Policy Week in Bethesda, MD and Legislative Day in Washington, DC and have the opportunity to work closely with pharmacy leaders across the country.

In October, P2 Megan Carroll was elected to Regional Delegate for APhA-ASP Region 7, which encompasses pharmacy schools in Oregon, Washington, Idaho, Montana, and Utah.

P2 Sari Jouihan’s paper on prevention and treatment of ischemic stroke in hyperglycemic patients was published in the July ’13 edition of Journal of Cerebral Blood Flow & Metabolism. In September, his paper was also named OHSU School of Medicine Paper of the Month.
A new alumni group, formed to engage OSU women in the pharmacy profession, met for the first time this spring. Susan Poole (’69) and Paige Clark (’85), Director of Alumni Relations and Professional Development, created the group, aptly named OSU Women in Pharmacy.

The group’s motto, “Building the OSU Pharmacy family network,” signifies the goal to increase alumni involvement with the college in as many ways as possible. They hope to collect and identify more OSU pharmacy history, connect and celebrate with classmates and other alumni at annual OSU Women in Pharmacy luncheons, and create a sponsorship program to enhance student experience at OSU College of Pharmacy. Additionally, the group has considerable interest in creating a mentorship program to connect alumnae and first year pharmacy students on a personal and professional level.

If you are interested in participating, please contact Paige Clark at Paige.Clark@oregonstate.edu.
Alumni Events

Alumni and Friends Reception at the OSPA Annual Convention

The College of Pharmacy hosted the annual Alumni and Friends Reception on Friday, October 19th as part of the OSPA Annual Convention. The reception included hors d’oeuvres, a raffle, and a specialty cocktail created specifically for the event – the Beaver Crush! The College was pleased to welcome alumni, faculty, current students and other supporters and friends decked out in Beaver orange to the packed party. We look forward to seeing you at this year’s reception in the new Collaborative Life Sciences Building! See page 5 for more details.

Homecoming 2013

Homecoming at Oregon State University is a time of festivity and tradition for OSU College of Pharmacy.

The Homecoming Parade takes place Thursday evening during homecoming week. P1 and P2 students collaborate with Samaritan Health Services to design and build a float showcasing their Beaver pride. The 2013 float was a beaver dam designed for the theme “We Live in Beaver Nation.”

The College hosted several Homecoming reunions for alumni. The classes of ’63, ’73, ’83, and ’93 gathered to reminisce Friday night while the class of 2012 celebrated at a tailgate reunion before the game against Stanford Saturday afternoon.

The annual Pharmacy and Football Social at Squirrel’s Tavern followed reunion dinners Friday night. The Social gave alumni the opportunity to meet some of tomorrow’s pharmacists, while students listened to stories of bygone-eras from alumni.

Rounding out the College of Pharmacy’s Homecoming festivities, alumni and guests attended the Dean’s Coffee on Saturday. Alumni brought their family to visit the classrooms where their love for pharmacy was first kindled. Special guests at the reception included (Pictured Left to Right) Pat Person (’83), Dean Mark Zabriskie, Sean Sullivan (’83), emeritus faculty Dr. Lee Strandberg, emeritus Dean Dr. Richard Ohvall, and emeritus faculty Dr. George Constantine.

Alumni and Friends Reception at the APhA2014 Annual Meeting

More than 40 alumni, students, faculty and friends of the OSU College of Pharmacy attending the APhA2014 Annual Meeting and Exposition gathered for a reception at Marlow’s Tarvern in Orlando, Florida on Saturday, March 29, 2014. Guests enjoyed appetizers and drinks at the reception while mingling casually. More than 20 students and a dozen alumni were able to attend this year’s Annual Meeting and Exposition. Next year, the APhA2015 Annual Meeting and Exposition will be held in San Diego, CA. Look for an invitation in February.
Robert Beardsley (Class of 1972)

Robert (Bob) Beardsley grew up in Roseburg, OR where he developed an interest in the pharmacy profession through an influential high school teacher. Bob graduated from OSU College of Pharmacy in 1972, and was one of only seven students nationwide to receive a U.S. Public Health Service Residency.

Bob currently teaches at the University of Maryland where he has been since 1979. He served 16 years as Associate Dean for Student Affairs and is currently Vice-Chair for Administration. Bob has been recognized with many awards including the national Robert Chalmer’s Distinguished Educator Award in 2011.

The best example of Bob’s impact on the pharmacy profession is his extensive work with the Accreditation Council for Pharmacy Education (ACPE). As International Commission Founding Member, Bob was a key player in the development and implementation of an international program to improve pharmacy education worldwide. He was appointed President of the Board of Directors two years in a row and was instrumental in making the accreditation process more transparent for colleges of pharmacy and continuing education providers.

Jim Thompson

Jim Thompson was born and raised in Oregon. He graduated from Taft High School and went on to study at Western Oregon University and Oregon State University. Jim received a Medical Botany Degree from OSU and enjoyed working with pollen and asthma. This interest led to a career at Bayer Pharmaceuticals developing technologies using agricultural products to treat asthma and allergies. In 2004, the county commissioner appointed him State Representative – a position his background and education well qualified him for. He was subsequently elected into office, impacting pharmacy and healthcare.

Healthcare has been at the forefront of Jim’s legislative priorities and he strongly believes in the need for healthcare reform. He saw a need for improvements to pharmacy in the areas of medication delivery, medication therapy management, and long-term care. He served on the Oregon Health Care Volunteer Advisory Committee, Health Safety Net Advisory Committee, and the Public Health Logistics Workgroup. Furthermore, Jim has served as Executive Director of the Oregon State Pharmacy Association where he oversaw continuing pharmacy education programs and worked to strengthen drug safety regulations.

Gary Schnabel (Class of 1985)

Gary Schnabel grew up in St. Helens, OR. In high school, he moved to Port Townsend and then studied pre-dentistry at the University of Oregon, graduating in 1972. He went on to pursue a nursing degree at Lane Community College, receiving his nursing license in 1975. His brother, Joe Schnabel (’84), convinced Gary to go to pharmacy school. Gary joined his brother and graduated with the Class of 1985.

OSU College of Pharmacy is pleased to honor Gary as an Icon of Pharmacy for his 16 years of leadership as the Oregon Board of Pharmacy Executive Director. During his tenure with the Oregon Board of Pharmacy, Gary worked to instill greater transparency in the processes of discipline and licensure in the state of Oregon. His leadership and the evolution of the board formed a more transparent interfacing with licensed professionals, other boards, Oregon’s legislature and the public it serves. Moreover, as President of the National Association of Boards of Pharmacy, Gary brought Oregon to the forefront as a national leader in the pharmacy profession.

Pharmacy Hall of Fame

2006
William “Bill” Campbell (’65)
Noel Flynn (’43)
Charles “Chuck” Maples (’63)

2007
William “Frosty” Comer (’68)
Darrel Purkerson (’63)
Stephen Roath (’64)

2008
Milo Haas (’83)
John Kaegi (’57)
Richard Kaegi (’52)
Sara J. White (’68)

2009
George Gerding
Helen Noonan-Hansberger
Richard Sahli (’71)

2010
Albert Carver (’70)
Douglass Stennett
Dave Widen

2011
Bob Adams (’58)
Freya Hermann (’59)
Marvin Prince
Vince Whiting

2012
Larry Cartier (’74)
Bob Coulter (’73)
Carl Heisel (’75)

2013
Sandra Anderson (’73)
Michael Douglas (’65)
Edwin Schneider

2014
Robert Beardsley (’72)
Gary Schnabel (’85)
Jim Thompson
Recent Grad Spotlights

Tilli Bjornberg (’14)

I grew up in pharmacy. My parents purchased Len’s Drug in John Day, OR in 1996 when I was 7 years old. My Father, Greg Armstrong (’84), ran the pharmacy while my mother, Marla, managed the variety area of the store. Growing up I spent afternoons after school and on weekends at the pharmacy taking out trash, filling vials, and anything else they would let me do. I started working as a pharmacy technician when I was 16 and then became a certified pharmacy technician when I was 18. I always knew I wanted to be a pharmacist and go to OSU College of Pharmacy where my father had graduated with his pharmacy degree.

Following my own graduation from OSU College of Pharmacy in June, I joined Rite Aid where I work as a guest pharmacist primarily at locations in Salem and Corvallis. As a pharmacist who walks into a different pharmacy each day my responsibilities include verifying prescriptions, counseling patients, and ensuring the pharmacy runs smoothly while the staff pharmacists are out. In this position, I enjoy the opportunity to see many different patients, continue to learn, and gain experience. I chose Rite Aid, one of the OSU College of Pharmacy’s Pharmacy Partners, because they are committed to providing a great experience for patients and customers. Additionally, Rite Aid is focused on expanding clinical services – a personal passion of mine.

As a recent graduate, I am very thankful for the education OSU College of Pharmacy provided me. The knowledge and training I received at the College prepared me to pursue any one of the many diverse practice areas within pharmacy. Currently, I am finishing up the MBA portion of my dual PharmD/MBA degree. The addition of an MBA to my pharmacy training will continue to open doors for me and introduce me to new opportunities as I pursue my passion for community pharmacy and look to make a difference there. I have always enjoyed learning about the business side of pharmacy starting with my parents’ pharmacy. With my MBA I will not only understand the business side of pharmacy better, I will benefit from business knowledge in my day-to-day practice in the retail pharmacy setting and someday, realize my hope of owning the family pharmacy I grew up in.

Long Trinh (’14)

After graduating with my PharmD from OSU College of Pharmacy this June, I began a new educational journey as a PGY1 Health-System Pharmacy Administration (HSPA) / Masters of Science resident at the Cleveland Clinic Medical Center. My decision to pursue residency to further my education and training was based on my professional goals – to deepen my clinical and business acumen as I continue to learn more about how we can better serve our patients through pharmacy practice initiatives.

I was attracted to the program at Cleveland Clinic specifically due to the complexity of the health-system centered on the academic medical center, its clinical reputation, and technological innovations at the institution.

A typical day for me as an HSPA resident is divided between experiential rotations and the didactics of the Masters of Science in Health-System Pharmacy Administration curriculum such as my current course, ‘Medication Use System and Operation Management,’ taught by the Cleveland Clinic’s Assistant Chief Pharmacy Officer.

My interest in administration was supported early during my academic training at the OSU College of Pharmacy. Through my participation in projects and volunteer activities such as the Entrepreneurial Academy during pharmacy school, I was able to hone and apply my leadership skills. In addition, I was able to be part of the inaugural class of dual PharmD/MBA degree students. This innovative program allowed me to develop tools I could readily apply during experiential rotations and internship experiences. I got started on my MBA courses during pharmacy school and look forward to completing the MBA portion of my dual degree following residency.

I have found that the curriculum at OSU College of Pharmacy is exceptionally designed to prepare pharmacists to practice as clinicians specializing in medication therapy management. My clinical rotations and didactic experiences during pharmacy school have taught me a great deal and I hope to continue to build upon my knowledge during residency. I am grateful to the faculty and preceptors affiliated with the College for challenging and supporting the development of my clinical knowledge, critical thinking skills and leadership qualities. I am confident these attributes will steer me successfully through the residency experience.

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Ann Murray (‘87) Gets Political

Senator Ron Wyden recently visited Murray Drug in Condon, OR where he spent time with Ann Murray (‘87), pictured here with Benny the Beaver at the Morrow County Fair. Murray and Wyden discussed many pressing issues for pharmacists today, including provider status, student loan help and repayment options, and MAC (maximum allowable cost) and PBM (pharmacy benefit manager) issues.

2014 Outstanding Young Alumni Award: Josh Bishop (‘06)

On the evening of May 3, 2014 Oregon State University College of Pharmacy alumni and friends gathered at the Portland City Grill to honor the recipient of the Outstanding Young Alumni Award during the annual Icons of Pharmacy event. Joshua Bishop (‘06) is the second to receive this honor. He followed Kristi Butler (BS ‘96, PharmD ‘98), another OSU loyal alumnus who was named as the inaugural Outstanding Young Alumni at the 2013 Icons of Pharmacy celebration.

Joshua (Josh) graduated from Oregon State University Summa Cum Laude before earning his PharmD from the College of Pharmacy in 2006. Distinguishing himself early on in his career, he rose to the position of Pharmacy Director at PacificSource Health Plans just two years after graduation. As Health Services Director for Government Programs, Josh was involved with Central Oregon Health Council acting as Operations Council Vice-Chair. He played a major role in the formation and operation of the CCO (Coordinated Care Organization) in Deschutes, Jefferson and Crook Counties. Currently, Josh serves as Executive Director for the Columbia Gorge Health Council where he is helping form and operate the CCO in Hood River and Wasco Counties.

Steering Oregon toward change, Josh has led pharmacy related lobbyist efforts, pushed for the MTM project, and continues to advocate for pharmacists to be a part of the primary care team. Josh is a pragmatic thinker with an unrivaled passion to evolve pharmacy and healthcare. He has served on the Board of Directors for the Oregon State Pharmacy Association, as well as President of the Executive Committee. As a leader, he has helped drive the expansion of the pharmacist’s role within many healthcare systems throughout Oregon.

Sean Sullivan (’83) Named University of Washington Dean of Pharmacy

Sean Sullivan (’83) has been appointed Dean of the University of Washington School of Pharmacy, effective September 15, 2014. Sullivan graduated from the OSU College of Pharmacy in 1983 and later earned a Masters of Science from the University of Texas and a PhD from the University of California at Berkeley.

Sullivan came to the University of Washington in 1992, was promoted to associate professor in 1997, and became full professor in 2001. In 2010 he became the School of Pharmacy’s Associate Dean for Research. Sullivan has held numerous leadership positions during his career and was honored with the 2014 AMCP Foundation, Steven G. Avey Award for sustained, exemplary, and distinguished service to the profession of managed care pharmacy.

Marc Watt (‘77) Appointed Executive Director of Oregon Board of Pharmacy

In February 2014, Marc Watt (‘77) was appointed Executive Director of the Oregon Board of Pharmacy (OBOP). In this position, Watt assumes responsibility for the overall direction of the agency in support of the Board’s mission.

Watt brings more than thirty years of pharmacy experience in Oregon to the position of Executive Director. He began his career with Fred Meyer where he rose to the position of Director of Professional Programs and Vendor Relations. In 2001, Watt accepted a position with Safeway as a Regional Pharmacy Manager and in 2010, he moved to Walgreens Specialty Pharmacy as the Clinical Pharmacy Manager.

Watt has been active in Oregon pharmacy leadership and governance both through the Oregon State Pharmacy Association (OSPA) and as a member of OBOP from 2000-2008, including two terms as president of the Board in 2003 and 2007. His service to the profession includes starting and serving as the initial chair of Oregon’s Pharmacy Coalition group as well as initiating the state’s Professional Practice Roundtable Discussion meetings. Watt was also named Pharmacist of the Year in 2009 by OSPA and received the APhA Foundation 2012 Bowl of Hygia.

Alumni Updates
Kate James (‘01) Appointed Member of Oregon Board of Pharmacy

Kate James (‘01) began the first year of her 4-year term as a member of the Oregon Board of Pharmacy. James, President of Broadway Apothecary in Eugene, OR, brings valuable experience in compounding pharmacy to the Board. In 2008, James was awarded Oregon State Pharmacy Association’s Innovative Pharmacy Practice Award for leadership and commitment to quality and safety in compounding.

James also serves her alma mater through mentoring pharmacy students in the College’s Entrepreneurial Academy and speaks regularly to P1 and P2 students. This past spring, James participated in the Academy’s Professional Day event as a judge of the Pharmacy Business Case Competition (see page 18).

Anthony Dolan (‘84) named Vice President General Manager at McKesson, U.S. Pharmaceutical

Anthony Dolan (‘84) has accepted the position of Vice President General Manager (VPGM) for the NW Market in the West Region at McKesson, U.S. Pharmaceuticals. Dolan, a registered pharmacist, first joined McKesson in 1998 and has served as Vice President, Sales and Vice President, Strategic Account with McKesson’s Retail National Accounts team. Prior to joining McKesson, Dolan had roles in community pharmacy with Thrifty Payless Drug.

Dianna Pimlott (‘94) Completed Second Term on Oregon Board of Pharmacy

OSU College of Pharmacy alumna Dianna Pimlott (‘94) recently ended her second term on the Oregon Board of Pharmacy. Pimlott has served as a member of the Board since her appointment in 2006. She was reappointed to a second term in 2010.

Pimlott, the Director of Pharmacy Services for PeaceHealth, brought 20 years of valuable experience in hospital pharmacy to the Board. In addition to her service to the profession as a Board Member, Pimlott is also actively involved with the American Society of Health System Pharmacists.

More Alumni Updates

Thanks to the incredible generosity alums and OSU Fellows, Shelton Louie (‘78) and Frosty Comer (‘68), the College’s Entrepreneurial Academy will host its annual Pharmacy and Football Entrepreneurial Academy Showcase in the Reser Stadium Fan Cave Skybox during the San Diego game on September 20, 2014 (see page 12).

This spring, Michelle Murray (‘86), OSU College of Pharmacy alumna, began her term as President of Oregon Society of Health-System Pharmacists (OSHP). Murray is the Clinical Pharmacy Manager at Legacy Health as well as Legacy’s Pharmacy Residency Program Director.

Honorary alum Vince Whiting continues his tradition of generous support of the College as the sponsor of the first annual Professional Day (see page 18). Whiting has been actively involved with the College’s Entrepreneurial Academy since its inception and is currently working with an individual student who has started a corporation.

Susan Poole (‘69) played an integral role in developing OSU Women in Pharmacy, hosting the first annual luncheon held this spring. The group engages OSU women in the pharmacy profession involving them with the College, pharmacy students, and each other (see page 20).

Congratulations to alumna Diana Courtney (‘00) for her recent appointment to the position of Associate Director of Student Affairs for National Community Pharmacists Association (NCPA). In this position, Courtney directs NCPA’s Student Chapters and outreach to students at the nation’s schools and colleges of pharmacy.

Congratulations to Christopher Adams (‘12) for being awarded the 2013–2014 ASHP Foundation Pharmacy Resident Practice–Based Research Grant. Dr. Adams will use the grant to conduct a study entitled “Survey of Emergency Medicine Pharmacy Education Opportunities for Students and Residents.”

In January, Robin Richardson (‘84), was elected to serve as the national vice chair of the American Diabetes Association. In 2015 he will be the Chair-elect and in 2016 the National Chair. These appointments come after 15 years of volunteering on local and national committees.
Thank you for joining us for your 2013 class reunions!


We are excited to welcome classes of 1954, 1964, 1974, 1984, 1994, 2004 during 2014 Homecoming Celebrations

Contact Paige Clark for more information.
Paige.Clark@oregonstate.edu | 541-736-6607
College of Pharmacy

LEGACY FAMILIES

On campus 2013-2014

Celebrating multiple generations of Beaver pharmacists

Top Left to Right
Armstrong/Bjornberg Family: Greg Armstrong ('84) with daughter Tilli Bjornberg ('14), Dulwick Family: Allan Dulwick ('77) with daughter Monica Dulwick ('14), Louie Family: Shelton ('78) and Christine Louie with daughters Brittany and Courtney Louie ('17), Sowles Family: John Sowles ('85) with son Andrew “AJ” Sowles ('14), Schrader/McCollam Family: Vestalee Shrader ('99) with daughter Shiela McCollam ('17)

Bottom Left to Right
Sowles Family: Gary Sowles ('62), John Sowles ('85), with grandson/son Andrew “AJ” Sowles ('14), Patel Family: Cousins Amar Patel ('14) and Tina Patel ('14), Trieu Family: Ted Tho Trieu ('97) with sister Sophia Trieu ('14), Lewis Family: Dave Lewis ('81), Katie Lewis ('12) with son/brother Nicholas Lewis ('14)

Not Pictured
Nakashimada Family: Lisa Nakashimada ('85), Scott Nakashimada ('09), and nephew/brother Michael Nakashimada ('14), Rawson/Roberti Family: John Rawson ('79), Gregory Roberti ('09), and niece/sister Angela Roberti ('14)
College Admissions & Student Services
By Angela Austin Haney, Head Advisor

Student Services enjoyed another fantastic year helping our students navigate the Pharm.D. program. We are always seeking the best students for our program and encourage your help. Send qualified candidates to our offices or call us at (541) 737-3424. Earlier this year we debuted a new recruiting video you can view on our website: http://pharmacy.oregonstate.edu/pharmd-program.

The Career Development Curriculum (CDC) was formalized during 2013–2014 with 14 events. The events were tailored to meet the needs of each class, including CV/resume development, interviewing skills, and residency application writing. Furthermore, all incoming PharmD students met with an advisor to set short and long term goals for their pharmacy career. This pushes our students to develop strong goals early in their education so they can mold their education to support their goals.

Our students continue to impress me with their work ethic and desire to make a difference. I am, as always, honored and humbled to work with such amazing people.

Thank you to our 2014-15 Pharmacy Partners
Albertsons Sav-on Pharmacy, Bi-Mart Corporation, CVS Corporation, Fred Meyer Corporation, NovoNordisk, Rite Aid Corporation, Samaritan Health Services, Target
On October 31, 2014, Oregon State University will celebrate an amazing milestone: the success of The Campaign for OSU. The university has chosen Homecoming Weekend to celebrate this historic moment. I invite you to join the OSU community for this once-in-a-lifetime celebration.

I want to personally thank all of you who have contributed to The Campaign for OSU. It has truly been a transformative period for the university. Not only have new and renovated buildings invigorated campus, but faculty, research, student support, and programs have been dramatically enhanced.

For its part, the College of Pharmacy has raised over $10 million during this campaign. We have seen gifts toward research, our first endowed faculty scholar position, and numerous scholarships endowed. These gifts help to insure the future of the college, allowing us to support critical research and recruit the most talented faculty and students. With the vision and leadership of Dean Zabriskie, we continue our forward momentum and ask you to remain engaged members of the OSU College of Pharmacy community.

Calendar

**Pharmacy and Football Entrepreneurial Academy Showcase**
*September 20, 2014* in the Reser Stadium Fan Cave
(Support the Entrepreneurial Academy and cheer on the Beavs at this special event.)

**White Coat Ceremony**
*October 9, 2014* at the CH2M Hill Alumni Center
(Presentation of White Coats to incoming Class of 2018)

**Scholarship Benefactors Reception**
*October 14, 2014* at Langdon Farms Golf Club
(Student scholarship recipient and sponsor social)

**Homecoming**
*October 30- November 1, 2014* at OSU
(See Back Cover for details on College of Pharmacy events.)

**Alumni Reception at OSPA Annual Convention**
*November 7, 2014* at the Collaborative Life Sciences Building
(Wear orange and be our guest for a classroom dedication and celebration in the new building)

**Breakin’ Down the MU**
*January 30, 2015* at historic Memorial Union
(Join us for a fun evening filled with health and wellness activities and a breakdancing competition)

**Apothecary Ball**
*March 7, 2015* at the Collaborative Life Sciences Building,
(Join us for an evening of music, food, and fun organized by our students)

**Women in Pharmacy Luncheon**
*May 1, 2015*
(OSU Alumnae “Building the OSU Pharmacy Family Network”)

**Icons of Pharmacy**
*May 2, 2015* at Portland City Grill
(Dinner and reception honoring the 2015 Icons of Pharmacy)

**Professional Day**
*May 30, 2015* at OSU College of Pharmacy
(Connecting OSU College of Pharmacy students and alumni)

**Graduation**
*June 12, 2015* at LaSells Stewart Center
(Graduation of PharmD and PhD students)

**Director of Development’s Message**
By Lori Jordan Brown, Director of Development

On October 31, 2014, Oregon State University will celebrate an amazing milestone: the success of The Campaign for OSU. The university has chosen Homecoming Weekend to celebrate this historic moment. I invite you to join the OSU community for this once-in-a-lifetime celebration.

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Reed (‘71) and Julie (‘69) Rosling with Dean Mark Zabriskie, pose for a picture in The Foundation Skybox. The Roslings recently dedicated a percentage of their estate to endow a faculty position in pharmacogenomics in the College of Pharmacy. This position speaks to Julie’s graduate work in genetics, as well as the couple’s long careers in pharmacy. They made the decision to support dynamic faculty research in neurodegenerative diseases, something they are passionate about treating and eradicating, after speaking to their advisors and the OSU Foundation.
JOIN US FOR
HOMECOMING 2014
OCT. 30TH-NOV. 1ST

Thursday–Saturday Activities!

Homecoming Parade
Come see the College of Pharmacy/Samaritan Health Systems Float!
Parade Route runs along Jefferson Ave through campus

Pharmacy and Football Social
An evening of pharmacy and fun from 9pm–11pm
Squirrels Tavern (100 SW 2nd Street, Corvallis)

Dean’s Coffee
4 Hours Before Kick-Off of the Big Game, stop by the Pharmacy Building for coffee Hosted by Dean Mark Zabriskie

Young Alumni Tailgate
3 Hours Before Kick-Off of the Big Game, stop by our private spot for tailgate fun & re-connect with your classmates!
RSVP appreciated for all events!
Contact Paige Clark at Paige.Clark@oregonstate.edu or 541-736-6607

ATTEND THE OSU HOMECOMING FOOTBALL GAME VS. CALIFORNIA (time tba)
PHARMACY GROUP TICKETS AVAILABLE NOW!