

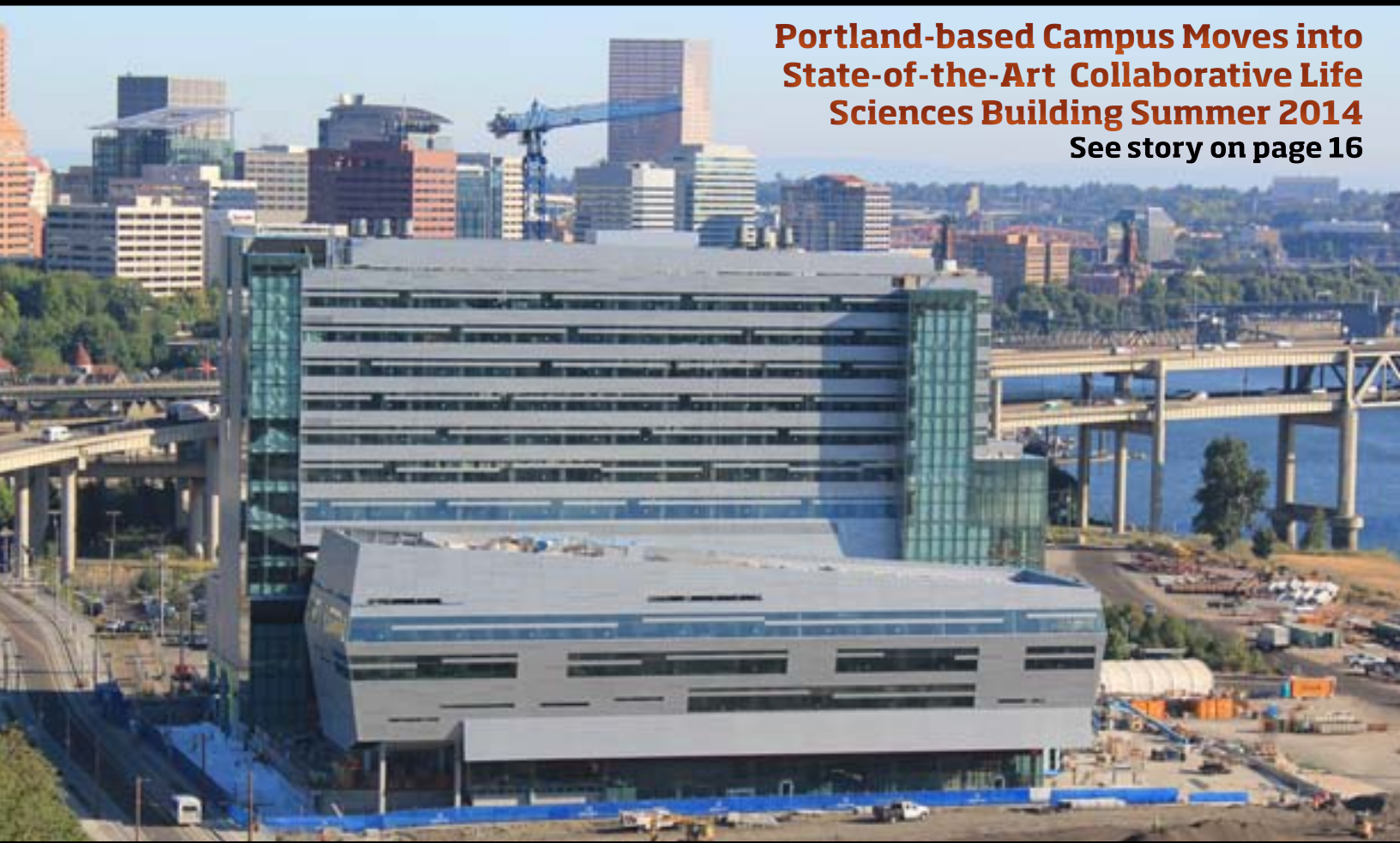
BEAVERX

OSU College of Pharmacy

2013 Edition

**Homecoming
Weekend**

**For Details
See Back Cover**



**Portland-based Campus Moves into
State-of-the-Art Collaborative Life
Sciences Building Summer 2014**
See story on page 16

ALUMNI

M A G A Z I N E



Award Winning Online CE



2013 Icons of Pharmacy



Expanded Residency
Opportunities

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Alumni News



Faculty



Football Fun!



Alumni Updates

Calendar

Pharmacy & Football Entrepreneurial Academy Showcase

September 28, 2013 in the historic Memorial Union Lounge
(Support the Entrepreneurial Academy and cheer on the Beavs at this special event.)

White Coat Ceremony

October 3, 2013 at the CH2M Hill Alumni Center
(Presentation of White Coats to incoming Class of 2017)

Benefactors Reception

October 8, 2013 at Langdon Farms Golf Club
(Student scholarship recipient and sponsor social)

Alumni Reception at OSPA Annual Convention

October 18, 2013 at the Portland Marriott Downtown Waterfront
(Wear orange and be our guest for an evening of wine, hors d'oeuvres, and door prizes)

Homecoming

October 24-26, 2013 at OSU
(See Back Cover for details on College of Pharmacy events.)

Apothecary Ball

March 8, 2014 at the Center for Health & Healing, OSU/OHSU Portland Campus
(Join us for an evening of music, food, and fun organized by our students)

Icons of Pharmacy

May 3, 2014 at Portland City Grill
(Dinner and reception honoring the 2014 Icons of Pharmacy)

Graduation

June 13, 2014 at LaSells Stewart Center
(Commencement of PharmD and PhD students)

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

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College of Pharmacy

A Message from Dean Mark Zabriskie

Dear Friends:

We're glad to bring you the 2013 edition of the BEAVERx. It's been a busy and productive year – one that has involved extensive investment of personnel and financial resources in all aspects of pharmacy and across all of Oregon. We're extremely proud of the accomplishments of our student, staff and faculty and the differences they are making everywhere around us. I hope you enjoy learning about some of these achievements and of the College's events and plans for the coming year.

The College has continued building collaborations that strengthen student clinical experiences and increase opportunities for postgraduate training in community and ambulatory care pharmacy. **We recently expanded long-standing partnerships with two federally qualified health centers that offer valuable student experiential training with underserved groups.** Beginning this fall, three Corvallis faculty will have clinical practices at the Benton County Health Center. This opens up additional introductory and advanced experiences for students throughout the program. In Portland, we partnered with Central City Concern to create new PGY1 and PGY2 residencies at the Old Town Clinic, where residents and students will train with preceptors Sandy Anderson ('73) and Dr. Harleen Singh.

Another exciting collaboration has developed with the OSU College of Veterinary Medicine. Last year the College of Pharmacy assumed responsibility for staffing and operating the drug room in the Veterinary Teaching Hospital (VTH). Bill Boyce, Director of the OSU Student Health Services pharmacy, oversaw this transition and recruited Dr. Brian Bowers as the first full time pharmacist in the VTH. This year, the space was remodeled, another 0.5 FTE pharmacist was added, and in April, the facility became a licensed institutional pharmacy. Look for an upcoming story on the unique training opportunities this partnership provides for our students.

I'm very happy to announce the launch of the new Oregon Rural Experiential Scholarships. The program was conceived as a means of minimizing the logistical and financial hurdles that prevented many 4th year students from pursuing clerkships outside Oregon's major population centers. The initiative provides a \$4,000 scholarship to students who will complete the majority of their 4th year rotations in rural areas within Oregon. This program gives students an opportunity to train with some exceptional preceptors while gaining an appreciation for the professional opportunities and lifestyles that are possible in rural regions of the state.

In faculty news, we're pleased to announce that Drs. Dan Hartung and Jessina McGregor were promoted to Associate Professors of Pharmacy Practice with tenure, Dr. Taifo Mahmud was promoted to Professor of Medicinal Chemistry and Natural Products, and Dr. Craig Williams became our first Clinical Professor of

Pharmacy Practice. I'm very proud of our accomplished faculty and of being in the fortunate position to add talented new faculty to the College. This fall we welcome Dr. Adriane Irwin as a Clinical Assistant Professor on the Corvallis campus and Dr. Benjamin (BJ) Philmus, an Assistant Professor of Medicinal Chemistry and Natural Products.



Dean Mark Zabriskie

I'm also glad to announce that Yen Pham will serve as the new Associate Dean for Clinical Education. Yen was recently appointed as the new Director of Pharmacy Services at OHSU, our PharmD degree partner. The Associate Dean role recognizes her responsibility in helping implement and oversee P3 and P4 student training at OHSU and the increased involvement of Pharmacy Services staff with the College. Yen is a strong advocate for the College and our students, and has worked closely with Juancho Ramirez, Director of Experiential Programs, to launch successful new training opportunities. With Yen on board, I look for even stronger collaborations with OHSU that will benefit both students and faculty.

In alumni news, this year we recognized three outstanding contributors to the profession – Ed Schneider, Mike Douglas ('65), and Sandy Anderson ('73) – with the Icon of Pharmacy award. The careers of these remarkable pharmacists show a common passion for service to the profession that was highlighted repeatedly throughout the award dinner. We also launched the inaugural Outstanding Young Alumni Award. The first recipient of this new annual award was Kristi Butler ('96, '98). More information on their careers and contributions to pharmacy in Oregon is found on page 13.

I am very proud of our amazing alumni and stakeholders that continue to generously support our students and faculty through philanthropic giving. I've previously noted that Pharmacy has the highest percentage of alumni that contribute through the OSU Foundation's annual giving program. So it was quite remarkable when annual gifts to support the Dean's Scholarship Fund and the Dean's Fund for Excellence rose by nearly 25% last year! I was also very encouraged by the level of support for the new Entrepreneurial Academy. **In total, gifts, pledges and private grants totaled over \$1.1M in FY13 – just the third time the College has topped the \$1M mark!**

Finally, rapid progress continues on the new OUS/OHSU Collaborative Life Sciences Building (CLSB) at the Portland campus. I provide an update on this exciting project on page 12.

Award Winning Online CE Programming

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**, a 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 877.768.9315 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 Winter 2013:

Patient Safety/Medication Error Reduction for Pharmacists

Developed and taught by OSU's College of Pharmacy faculty and the Oregon Patient Safety Commission.

Coming January 2014:

Pharmacists and Cultural Awareness

3 hour online CE program

877-636-9585 | learn@oregonstate.edu
pne.oregonstate.edu/pharmacy

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.

Oregon State
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College & Alumni Happenings



Paige Clark, RPh
Director of Alumni Relations
& Professional Development

Just over two years as your alumni director have flown by! Here at the college we have expanded programs, increased our outreach within the profession and continued our development of award-winning online CE programming for you! (See opposite page for details on **HR Management for Pharmacists**, **Stress Management for Pharmacists**, and coming programs in **Patient Safety/Medication Error Reduction** and **Cultural Awareness for Pharmacists**.)

Our newly designed MBA program for Pharmacists is in its first year, and we have expedited the application process for you - our alumni. If you are interested in getting your MBA call me! More than 50 current PharmD students are pursuing their dual PharmD/MBA as well. These are exciting times in the college.

Many of you have served your alma mater as advisors, preceptors, speakers, presenters, mentors, and supporters of programs and scholarships this past year. I am reminded daily how generous and dedicated alumni of OSU College of Pharmacy are. Our students are amazed at the involvement of our alumni. This college remains among the premier programs in the nation boasting exceptional students and successful alumni in great part due to your continued engagement.

We have a large number of exciting events planned for the coming year. If you have not been back to campus recently, this is the year to plan a trip. Here are some highlights for you:

Pharmacy and Football Entrepreneurial Academy Showcase September 28, 2013 (Colorado Game) | This is the PERFECT way to attend a single home game, sit with OSU College of Pharmacy alumni and support the college's Entrepreneurial Academy. There are a limited number of tickets; please contact me to reserve yours (\$100 for the event and game ticket; \$50 for event only). Many thanks to GSL Solutions, Shelton and Christine Louie, and Frosty and Vicki Comer for supporting this fabulous event in support of the Entrepreneurial Academy!

White Coat Ceremony October 3, 2013 | Come support the incoming PharmD students as they receive their white coats and are welcomed into the professional program. Families, faculty and alumni participate in this annual College event.

Benefactors Reception October 8, 2013 | Are you a scholarship donor? This is an exclusive event to honor YOU! Held at Langdon Farms Golf Club, invitations will be mailed in late August. Join those alumni who support scholarships and celebrate with our students.

Homecoming October 24-26, 2013 | Enjoy the beauty of campus in the fall and attend the pharmacy reunion activities for our graduates from the classes of 1953, 1963, 1973, 1983, 1993, and 2003. If you are in one of these classes and want more information, please call or email me about the dinners, receptions, and festivities planned for you! Reunion teams from each class are planning their activities; contact me if you would like to help. See the Homecoming details on the back cover

Diabetes Awareness Month Kick-Off November 1, 2013 (USC Game) | Penny Reher ('82), Cory Huot ('97), Robin Richardson ('84), Josh Bishop ('06) and Brian Crook ('97) and others have teamed up with the college to create a full scale diabetes screening event in the fabulous newly-built Prothro Field prior to the USC game. Come and be a part of the fun!

Apothecary Ball March 8, 2014 | Don't miss "THE" Pharmacy social event of the year! Enjoy swanky cocktails and fabulous food, silent auction, jazz music and entertainment in the beautiful glass atrium of the Center for Health and Healing, home of the college's Portland-based campus. This amazing event is planned by our students and supports student activities and outreaches throughout the year. See page 16 for more details; tickets available online starting December 1st at pharmacy.oregonstate.edu/apoball.

Icons of Pharmacy Awards Dinner May 3, 2014 | Be a part of honoring the 2014 Icons of Pharmacy as they are inducted into the Pharmacy Hall of Fame. Lifetime achievements, commitment to the college and outstanding service personify these pharmacy legends. Tickets are available in February. Space is limited so please call me to reserve a seat.

Graduation June 13, 2014 | Join us for the exclusive pharmacy graduation ceremony. Many alumni are visiting campus in the spring and you are welcome to attend. RSVP is required; phone 541-736-2501 to request seats.

If you are interested in attending any of these events, please call or email me at (541) 736-6607 or Paige.Clark@oregonstate.edu.

I look forward to seeing you this year!

Warmly,
Paige

Slip into something a little more...

ORANGE

and join us for the

OSU Reception

at the

OSPA Annual Convention

(No convention registration required to attend OSU Reception)

Friday, October 18th

6:30pm - 7:30pm

Portland Marriott Downtown Waterfront
1401 SW Naito Parkway, Portland

Be our guest!

Enjoy wine, hors d'oeuvres, and door prizes.
Visit with other **OSU pharmacists & friends!**

RSVP appreciated to Andrea Friesen
Andrea.Friesen@oregonstate.edu

Oregon State
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OSU Offers Executive MBA in Executive Leadership for Pharmacists

In June 2013, the first doctoral candidate graduated with a Pharm.D./MBA from Oregon State University. The dual degree program, which officially launched in January, is delivered in an online/hybrid format with face-to-face classes being held at the College of Pharmacy Portland campus in the OHSU Center for Health and Healing.

A partnership between the College of Pharmacy, the College of Business and Ecampus, is designed for professionals who are currently in leadership roles or who aspire to lead and is ideal for pharmacists. This unique program is the first online/hybrid program developed by Ecampus and is structured to match the needs of pharmacy managers and executives whose complex schedules reflect the demands of patient care and executive management in health systems and corporate pharmacy environments. The program offers flexibility in pacing, rolling admission, and priority for OSU College of Pharmacy alumni.

The inaugural class included 11 pharmacy professionals and seven current OSU Pharm.D students in their P3 year in Portland. In



MBA in Executive Leadership inaugural class, instructor and alumni director

addition, four pharmacists and two Pharm.D students began the program in spring term. Currently there are 47 current Pharm.D students enrolled in the Pharm.D./MBA program, a number of whom will be joining the Portland cohort in their P3 year.

For more information on this new program or to apply, contact Paige Clark, Director of Alumni Relations and Professional Development at (541) 736-6607 or Paige.Clark@oregonstate.edu.

Oregon State MBA

Classes are currently offered at the College of Pharmacy's Portland campus located at the South Waterfront.

With the right foundation courses, you could begin next term!

in Executive Leadership for Pharmacy Executives and Leaders

- ◆ Develop skills that will lead to success in your current position and give you a competitive edge for career advancement.
- ◆ Get an MBA from the OSU College of Business that is designed to help pharmacists be business leaders
- ◆ Put theory into practice with hands-on, experiential learning, working alongside faculty with international reputations.
- ◆ Whether currently a manager or providing primary care, learn the managerial and organizational skills that will free time to focus on caring for your patients
- ◆ Complete your resume with a graduate business degree

For more information, contact Paige.Clark@oregonstate.edu

OSU Colleges of Business and Pharmacy *Bringing Pharmacy and Business Together*

Researcher Spotlight: Daniel Hartung, Ph.D.



Dr. Daniel Hartung

The overarching goal of Dr. Daniel Hartung's research is to generate the information and resources to help patients, clinicians and policy makers to make better and more informed medical decisions. Now in his sixth year on faculty, Hartung is pioneering pharmaceutical health services research in the area of drug policy outcomes.

Dr. Hartung came to OSU as a fellow in 2001 and continued his work here with Dr. Dean Haxby for four years before joining the College of Pharmacy faculty in 2007. His current research on drug policy stemmed from his work with Dr. Haxby and the DURM (Drug Use Research and Management) group (to read more about Dr. Haxby and DURM's initiatives, see the article on page 6).

Another role Dr. Hartung plays is an investigator within the OHSU Evidence-based Practice Center where he works on systematic reviews of medical evidence. Dr. Hartung's research is currently funded through a Career Development Award through AHRQ in Comparative Effectiveness Research (CER). These awards are designed to establish junior faculty members as respected national researchers.

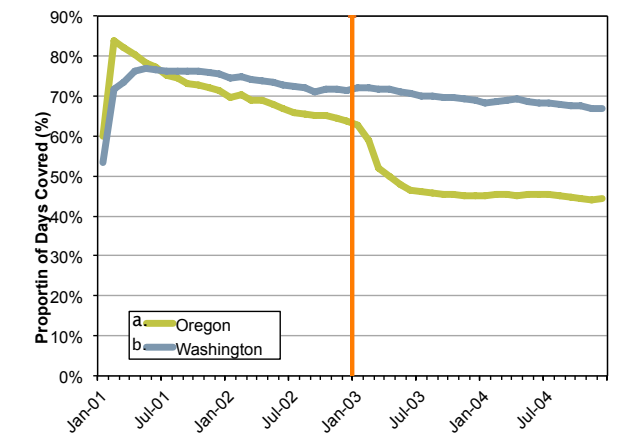
In his current research Dr. Hartung has been looking at how the policies implemented by managed care organizations and Medicaid to control costs affect patient outcomes. Specifically, Hartung's research focuses on how drug policies affect patient adherence and care in the most vulnerable populations, such as those on Medicaid and with serious mental illness on second-generation anti-psychotic medications. One issue that he examines in detail is how these patients cope with cost sharing.

The cost of medication co-pays may not be perceived as a significant financial barrier for most, but it is often a significant obstacle for those on Medicaid. Hartung's work looks at how this obstacle affects medication adherence for those with serious mental illness as the consequences for cutting back on medication can lead to their inability to function in society. His research follows the outcomes of patients who feel forced to compromise their adherence in the face of financial burden and the data he collects creates the informational resources that policy makers

need to make better informed decisions related to the care of this population.

To this end, Hartung is examining the benefits of a tiered co-pay system for Medicaid to replace the current uniform co-pay system. A tiered co-pay system would allow for the most effective drugs needed to prevent hospitalization to be available to patients at a lower cost or even cost free. The elimination of the financial barrier in access to medication would therefore increase medication adherence and prevent hospital or institutional admission.

Dr. Hartung is also developing a research interest in a specific segment of the Medicaid population known as Dual Eligibles – patients who are dually enrolled in Medicaid and Medicare. This subset of the patient population is particularly vulnerable as the patchwork of health coverage is often not well coordinated and their higher prevalence of concurrent diseases makes treatment options expensive. These individuals are of key concern under current health care reform initiatives and the search is underway to find methods to streamline their coverage through the cutting edge research of Dr. Hartung.



Average monthly Adherence (PDC) in Oregon and Washington overall (a); and by Serious Mental Illness Subgroups (b)



Dr. Hartung hiking in the Three Sisters Wilderness Area

Faculty Highlights



Dr. Adam Alani

Dr. Adam Alani joined the College of Pharmacy faculty in 2010. The 2012-13 school year, his second year teaching Pharmaceutics to the P1s, culminated in his being named Professor of the Year by his students in appreciation of his dedication. As a professor, Dr. Alani is preparing students to be world class clinicians through focused instruction on drug delivery, dosage forms, and the parameters and properties that affect medications.

These topics align with Dr. Alani's research interest in the development of a drug delivery system based on nanotechnology in the treatment of ovarian and prostate cancers. Dr. Alani's lab is currently working to synthesize specific biomaterials to encapsulate the drugs of interest to form nano structures that target specific tissue. Through the adaptation of nanotechnology in this manner, drug efficacy is enhanced and drug toxicity is minimized. Dr. Alani plans to move his research operations to the college's Portland campus upon completion of the Collaborative Life Sciences Building next summer, but will continue teaching Pharmaceutics to P1s on the college's Corvallis campus.

Dr. Dean Haxby



Dr. Dean Haxby, Pharm.D., Associate Professor of Pharmacotherapy, began his career with the College of Pharmacy in 1988. Dr. Haxby serves as the Director of the Drug Use Research and Management (DURM) Program (for more information on DURM, see article below), which focuses on drug policy, drug utilization, and methods to improve the prescribing of pharmaceuticals.

In addition to his work with DURM, Dr. Haxby covers a variety of issues related to drug policy and drug use management with pharmacy students in his course taught for P3s. Dr. Haxby challenges students to examine population-based strategies to improve drug use as well as to develop an evidence-based process for evaluating drug therapy.



Dr. David Lee

Dr. David Lee, Assistant Professor at the college, researches medications that cause both physical and cognitive disabilities in older adults. Specifically, he studies how medications can affect cognitive impairment, muscle mass, physical function and strength. Dr. Lee is currently working to identify ways to simplify medication regimens and promote more effective medication management through examination of the medication complexities faced by older patients. This important research by Dr. Lee

will help to identify causes of functional decline and loss of independence in older adults.

In addition to his research, Dr. Lee teaches a course introducing students to pharmacoepidemiology as well as a course on geriatric assessment. Dr. Lee's research translates into an effective teaching tool in the classroom by providing real life examples for students to appreciate the importance of proper medication management in older adults. Dr. Lee also invests in students' comprehensive learning experience at the college by providing an opportunity for them to participate in a research colloquium. Participating students have the opportunity to engage with their peers, learn about the latest research endeavors, and present their own research.



**Roberto Linares
(Class of 1991)**

Faculty member and OSU College of Pharmacy alumnus, Roberto Linares has just completed up the first year of his four-year term as a member of the Oregon Board of Pharmacy. As a board member, Roberto works with five other pharmacists and two members of the public appointed to the Board by the governor to review pharmacist compliance and licensure concerns. The Board is also responsible for writing rules to regulate the practice of pharmacy in the state of Oregon. The role of the Board is to protect the citizens of

Oregon and Roberto has found this experience to be very rewarding. This experience has allowed him to see a different side of the profession and given him a new appreciation for the Board.



Dr. Andrey Morgun

Dr. Andrey Morgun joined the College of Pharmacy faculty in 2011 as an Assistant Professor where he brings his expertise as an immunologist into the classroom teaching the subject of immunology to P1 students.

Outside of the classroom, Dr. Morgun's research focuses on personalized medicine and the effects of a variety of diseases. He is working to develop genomic tests that will expedite the diagnosis of diseases and enable the development of specialized drugs to cater to patients' individual needs. His lab applies a systems biology approach to examine how commensal microbes and pathogens communicate with the host through complex interactions. Dr. Morgun has most recently collaborated on the examination of cervical cancer. His recent research, published in *Nature Communications*, studied the genetic processes that can lead to cervical cancer. These findings are an important step in earlier and more accurate diagnosis of this disease as well as improved

patients' individual needs. His lab applies a systems biology approach to examine how commensal microbes and pathogens communicate with the host through complex interactions. Dr. Morgun has most recently collaborated on the examination of cervical cancer. His recent research, published in *Nature Communications*, studied the genetic processes that can lead to cervical cancer. These findings are an important step in earlier and more accurate diagnosis of this disease as well as improved

OSU Drug Use Research and Management ("DURM") Serves State of Oregon

Since 1994, Oregon State University (OSU) College of Pharmacy has continuously served the state of Oregon by providing faculty expertise in support of the Oregon Health Authority (OHA) Medicaid pharmacy programs. This relationship helps advance the service mission of the college by encouraging safe, effective, innovative and financially sustainable policies. The activities funded under the interagency agreement also offer opportunities for research and student education.

A primary responsibility of the OSU Drug Use Research and Management (DURM) staff is to support the OHA Pharmacy and Therapeutics Committee (P&T). As defined by Oregon House Bill 2100, P&T Committee evaluates evidence-based reviews of drug classes or individual drugs to assist in making recommendations to the OHA for drugs to be included on the Medicaid preferred drug list. The P&T also advises the OHA on the federally mandated Medicaid retrospective and prospective drug use review programs. This includes recommending utilization controls, prior authorization requirements, quantity limits and other conditions for coverage. Students on rotations are plugged into this work whenever possible and all documents are posted for public review and consumption on the DURM website: http://pharmacy.oregonstate.edu/drug_policy/index.php.

The DURM also produces the Oregon State Drug Review. It is a peer-reviewed journal distributed electronically to Medicaid providers and anyone requesting to be added to the list-serv (<http://lists.oregonstate.edu/mailman/listinfo/osupharmdi>). It highlights topics discussed at the P&T or drug therapies of interest to primary care clinicians. Articles are often produced by students with faculty mentoring and peer-reviewed by local physicians and pharmacists.

Innovation and research is facilitated by the OHA relationship. Past research projects have included supplemental grants to test the effectiveness of pharmacist academic detailing to change prescribing behavior. The DURM staff has published several descriptions of drug use patterns and evaluations of drug policies recommended by P&T and subsequently implemented by the OHA Medicaid program. Additionally, they are now looking for ways to integrate and test pharmacist Medication Therapy Management to improve patient outcomes.



Dr. Aleksandra Sikora

Dr. Aleksandra Sikora, Assistant Professor, joined the College of Pharmacy in 2011 following her PhD training at the University of Gdansk (Poland) and postdoctoral training at the University of Michigan Medical School. Dr. Sikora's research interests focus on identification and validation of molecular targets for the development of new therapeutic interventions against antibiotic resistant bacteria. In particular, she is interested in unraveling and targeting pathways within bacterial cells that are associated with their capability to manipulate host tissues to create niches where they can prosper, and thus contribute to the outcome of the disease. Dr. Sikora proposes that the bacterial cell envelope contains underexplored drug/vaccine targets. The cell envelope functions as a barrier preventing access of toxic compounds (host defenses factors and antibiotics), supports acquisition of essential nutrients and is involved in promoting colonization of host tissues. Currently, her research group utilizes cutting edge techniques for mining the composition of cell envelope in a human-specific pathogen, *Neisseria gonorrhoeae*. This bacterium causes a sexually transmitted disease-gonorrhoea. Gonorrhoea remains a significant health and economic burden worldwide and is also the second most commonly reported infectious disease in the United States. The major challenges in eradicating gonorrhoea are lack of a vaccine and antibiotic resistance. Therefore the discovery of drug/vaccine targets has become critical.

Dr. Aleksandra Sikora, Assistant Professor, joined the College of Pharmacy in 2011 following her PhD training at the University of Gdansk (Poland) and postdoctoral training at the University of Michigan Medical School. Dr. Sikora's research interests focus on identification and validation of molecular targets for the development of new therapeutic interventions against antibiotic resistant bacteria. In particular, she is interested in unraveling and targeting pathways within bacterial cells that are associated with their capability to manipulate host tissues to create niches where they can prosper, and thus contribute to the outcome of the disease. Dr. Sikora proposes that the bacterial cell envelope contains underexplored drug/vaccine targets. The cell envelope functions as a barrier preventing access of toxic compounds (host defenses factors and antibiotics), supports acquisition of essential nutrients and is involved in promoting colonization of host tissues. Currently, her research group utilizes cutting edge techniques for mining the composition of cell envelope in a human-specific pathogen, *Neisseria gonorrhoeae*. This bacterium causes a sexually transmitted disease-gonorrhoea. Gonorrhoea remains a significant health and economic burden worldwide and is also the second most commonly reported infectious disease in the United States. The major challenges in eradicating gonorrhoea are lack of a vaccine and antibiotic resistance. Therefore the discovery of drug/vaccine targets has become critical.

Faculty Promotions

Dr. Jessina McGregor and Daniel Hartung were both promoted to Associate Professor of Pharmacy Practice.

Dr. Craig Williams has been promoted to Clinical Professor of Pharmacy Practice.

Dr. Taifo Mahmud has been promoted to Professor of Medicinal Chemistry.

Expanding Student Residencies

Old Town Pharmacy



Mike Daher and Yennie Quach

The College of Pharmacy has partnered with Old Town Clinic to co-fund two residents beginning summer of 2013. The residents' work at the Clinic focuses on diabetes management to meet the unique needs of the Clinic's patient population characterized by high prevalence of uncontrolled diabetes.

Recent College of Pharmacy graduates, **Yennie Quach** ('11) and **Michel Daher** ('13), are the inaugural residents who have the privilege of working with staff pharmacist and OSU College of Pharmacy Icon **Sandy Anderson** ('73) to strengthen and further develop this new residency program.

Yennie Quach is a 2011 graduate of the College of Pharmacy and worked for Kaiser Permanente following graduation. She credits Dr. Harlene Singh for introducing her to this residency opportunity. Dr. Singh knew Yennie as driven and motivated – qualities needed to be an excellent team member for the Old Town Clinic program. Unable to pass up this unique career opportunity, Yennie recently left Kaiser in order to help build the Old Town Clinic residency program and shape it for future residents.

Michel Daher had not planned to pursue residency following his graduation this past spring, but was persuaded to consider it by Dr. Singh. Michel started working with Dr. Singh as a student during his off-block (a none-assigned block in the P4 year), which led to a six-month rotation at the Old Town Clinic. Michel further prepared himself for continued work with the Clinic upon graduation by completing training in diabetes Management through Providence Medical Group.

OSU Residents

Fred Meyer/OSU

The Fred Meyer/Oregon State University PGY1 Residency in Community Practice is a partnership between Fred Meyer and the OSU College of Pharmacy.

Scott Kafader (Belmont University College of Pharmacy)
Adam Youngblood (University Rhode Island College of Pharmacy)

Ambulatory Care Residency

Yennie Quach ('11) -PGY2 in Ambulatory Care at Old Town Clinic.
Mike Daher ('13) - PGY1 in Ambulatory Care at Old Town Clinic.

OSU SHS Pharmacy

The OSU Student Health Service PGY1 Residency in Community Pharmacy focusing on community and ambulatory care pharmacy services with a strong focus on academia.

Christina Buchman (University of Montana Skaggs School of Pharmacy)

Fellowships

Amanda Meeker ('13) - Research fellowship with the OSU College of Pharmacy Portland campus involving specialized advanced training in drug policy, managed care, and evidenced-based medicine.

Leah Goeres ('13) -Research fellowship with OSU College of Pharmacy gaining specialized training in pharmacoepidemiology and health disparities research.

New Community Health Centers Pharmacy



Benton County Health Center in Corvallis, OR

A unique partnership between the College of Pharmacy and the Community Health Centers of Linn and Benton Counties will bring a new pharmacy to Corvallis to serve the patients of the Health Centers. The Health Centers serve a diverse patient population – a large percentage are low income, uninsured or underinsured. The College of Pharmacy will facilitate operations with Dr. Stacy Ramirez serving as the Director of Pharmacy.

As the cost to do business with contracted pharmacies has grown, the patients served by the Health Centers have faced increased financial burdens. The Health Centers see an on-site pharmacy as a way to meet a need by serving patients at a lower cost. There are four Community Health Center sites, but the primary site of the pharmacy will be the Benton Health Center in Corvallis. A courier service will provide for the other three sites: Lincoln Health Center in south Corvallis, Monroe Health Center, and East Linn Health Center in Lebanon. The Benton Health Center pharmacy is slated to open in the first quarter of 2014.

Recent Graduate Spotlight: Naomi Lam ('12)



Naomi Lam, Class of 2012

I vividly recall the day I received my letter of acceptance to Oregon State University College of Pharmacy. It was my birthday and, though I did not realize it at the time, the opportunity represented by that letter was one of the best gifts I have ever received. The opportunity to attend OSU College of Pharmacy changed my life, leading me to meet a number of wonderful and influential individuals who have shaped my education and now my career.

the patient-centered model for the DM Clinic being planned at SHS. I also had the opportunity to learn how to appropriately care for the lesbian, gay, bisexual and transgender (LGBT) population and I developed wonderful relationships with a number of patients and providers in the Anticoagulation and DM Clinic at Salud's Medical Center in Woodburn. Furthermore, I was able to help teach current pharmacy students and conduct meaningful research projects that continued after my residency was completed.

I have stayed professionally engaged in numerous ways since finishing my residency. I promoted DM care to the underserved Hispanic population at a health fair in Woodburn. I also presented my research findings related to current counseling practices of Oregon pharmacists to the Oregon Board of Pharmacy. Most recently, with several remarkable job opportunities to choose from, I accepted a position as a clinical pharmacist at MODA Health working with one of OSU College of Pharmacy alum Robin Richardson ('84).

Now, as I launch my career at MODA Health, I cannot wait to see what lies ahead. I have been well prepared by the College of Pharmacy and through the endless support from my mentors, preceptors and colleagues for whatever comes my way. I recall Dr. Gary DeLander once said the pharmacy profession is always at a crossroad. I am grateful that my education and experiences have taught me not to embrace the continually changing face of pharmacy rather than to fear it. Our ever-evolving profession comes with great opportunities for growth and improvement for all who dare to achieve it.

Moving to Corvallis to attend the College of Pharmacy represented a new chapter in my life that was full of change with new places and new friends, new experiences and new knowledge. The College of Pharmacy offered me much more than an education – my professors and mentors taught me to stay curious and to cultivate an appreciation for continuing education after my time in the classroom was finished.

Four years of pharmacy school developed me both personally and professionally. I left the College resolved to learn more and to be more and the college provided me many avenues to do just that. At the end of my final year of pharmacy school, options available to me through the college included pursuing a dual PharmD/MBA degree or considering a residency or fellowship opportunity.

Following graduation in 2012, I decided to pursue residency at the College of Pharmacy's Student Health Services (SHS) Pharmacy on OSU's Corvallis campus. In this role I was able to utilize the knowledge and skills I had honed during professional school and quench my thirst for continuing education. The College of Pharmacy SHS residency also supported my continued professional development. During my residency I represented the pharmacy team by joining the Interim Director at SHS with patient consultation at the Travel Clinic and was actively involved in shaping



OSU Alums, from left: Robin Richardson ('84) Senior Vice President, Naomi Lam ('12), Clinical Pharmacist, and Thad Mick ('06), Director of Pharmacy Programs



Graduation 2013

From their orientation in room 305 of the Pharmacy building to the classrooms at OHSU in Portland to Austin Auditorium in LaSells Stewart Center, the Class of 2013 has had an incredible journey and it has only begun. As the pharmacists of tomorrow, these graduates will continue to see the profession evolve and grow.

During the 2013 Graduation Ceremony on June 14th, Class President Joshua MacLaughlan stood in front of 83 fellow students with whom he studied and provided outreaches, to reminisce over a challenging, yet rewarding four years as pharmacy students at Oregon State University. Josh congratulated his fellow graduates, as did distinguished guests. Dr. Jeanette Mladenovic, Oregon Health and Science University Provost, and Oregon State University President, Dr. Edward Ray joined in celebrating the graduating class of 2013.

Dr. Mladenovic spoke about the various changes in healthcare that she has witnessed in her medical career. Healthcare is evolving quickly and today's pharmacy graduates are needed to help patients navigate the changes when it comes to medication management.

President Ray echoed Dr. Mladenovic's thoughts saying that in the future the work the graduates will be doing "will be dramatically different." President Ray also commended the College of Pharmacy for their work with other colleges such as the College of Business in creating the MBA in Executive Leadership for Pharmacy Professionals and Leaders, and the College of Veterinarian Medicine by running and managing the pharmacy in the Vet Med hospital. These collaborations are how the College of Pharmacy is "reaching across boundaries to get things done."

In closing, Dean Mark Zabriskie congratulated the graduates and encouraged them to continue to be a part of the College of Pharmacy and OSU whether it be taking advantage of continuing education programs presented by the College or cheering on the Beavers at sporting events on campus.

After the ceremony, graduates and their friends and families reunited outside on the patio between LaSells Stewart Center and the Alumni Center for a dessert reception sponsored by OSU Pharmacy Partner, Fred Meyer. It was a beautiful, sunny graduation day reflected in the smiles of the Class of 2013, the faculty and guests of the college.



College Introduces New Oregon Rural Experiential Scholarship Program

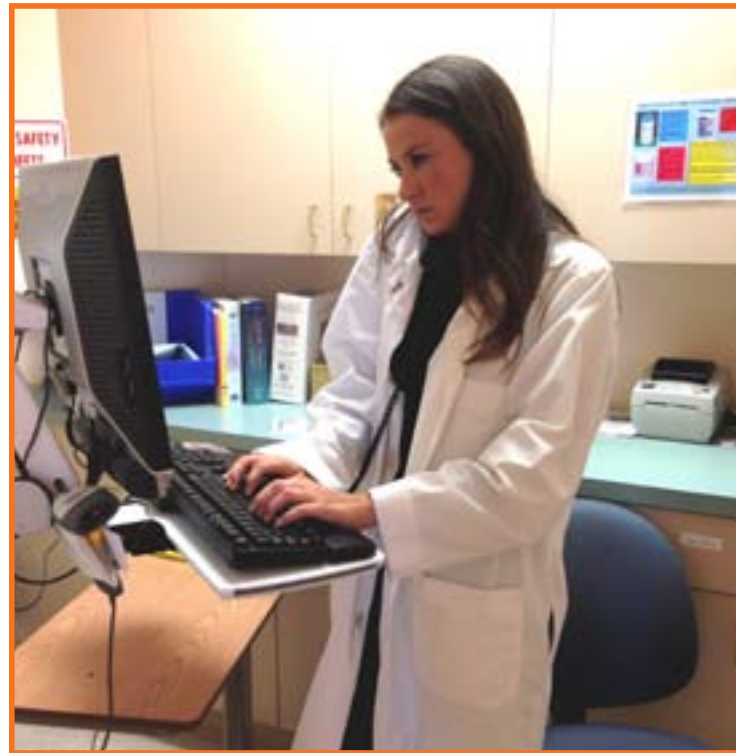
OSU Rural Experiential Scholarship

The Oregon Rural Experiential Scholarship is an exciting new program that provides financial support for up to eight students who complete the majority of their 4th year experiential rotations in rural areas throughout the state of Oregon.

All pharmacy students complete a total of seven six-week experiential clerkships during their P4 year, and one of these rotations must occur in a rural area or an underserved setting. During these rotations, students live and work in some wonderful and unique parts of Oregon and are able to train with some exceptional preceptors. This requirement also ensures that each student has the opportunity to gain appreciation for pharmacy practice in locales that may not have the same access to quality healthcare as those in more populated places. Unfortunately, the financial challenges associated with moving to a rural location for a short six-week rotation can deter many students from pursuing extended experiences in these areas.

The new Rural Experiential Scholarship is intended to help alleviate such financial barriers. Students that commit to spending at least four of their seven rotations in a qualifying site receive a \$4000 scholarship.

This year, qualifying regions include portions of Eastern and Southern Oregon such as La Grande, Klamath Falls, Grants Pass and Roseburg, as well as several coastal areas. Enabling students to complete extended rural rotations will result in a greater appreciation for the professional and personal opportunities that are possible in these unique communities.



Erika Thompson (4th year student)

P4 Scholarship Recipient Erika Thompson Highlights How Pharmacists Impact Care in Rural Oregon



Erika Thompson counseling patient

Geriatrics, psychiatry, dementia, anticoagulation – the Roseburg VA has provided me with deep experience across a broad spectrum of specialty areas. From helping trauma patients to working with veterans to delving into mental health issues, I have been able to participate in treatment of a variety of conditions for patients of all ages and backgrounds. The VA has been such a rewarding experience for me simply because I am able to experience all aspects of patient care and I am truly on my way to finding my niche and where it is that my passion lies.

What I relish most about my experience so far is working in the anticoagulation clinic. I have found that anticoagulation is truly an art. No patient can be treated the same as another. Each patient possesses a unique lifestyle that contributes to his/ her care. Whether it is increasing or decreasing a patient's warfarin dose to ensure the time it takes their blood to clot lies within the normal range, or modifying a patient's diet to increase/decrease vitamin K consumption or counseling the patient on keeping a consistent diet and lifestyle, it all contributes to enabling us to manage the patient as safely, effectively, and remotely as possible.

In addition to my work in the anticoagulation clinic, I am also transitioning up to the psychiatric unit to become actively involved in patient care as well as treatment. I attend rounds every day to discuss the overall health of the patient, as well as patient's labs and medication regimen/s. Patients are reassessed daily to make sure that their goals are met and that they remain comfortable while under our care at the VA. If there are any changes in the patient's health or care, we document the change and implement a plan to enhance the patient's quality of life.

Though adjusting to these new responsibilities has been challenging, I have also managed to keep my part-time job working in a community retail pharmacy in the evenings and on weekends in addition to my clinical rotation responsibilities. Seeing my patient happy at the end of the day makes me happy and I truly love what I am able to do every day.

Integrating Strengths - Corvallis & Portland

View from Corvallis

By Dr. Gary DeLander, Executive Associate Dean



Dr. Gary DeLander

'Foundational', 'Focused', and 'Tradition' are words that may often come to mind when alumni think about their time on the Corvallis campus of the College of Pharmacy. While these perspectives still ring true; 'Cutting edge', 'Integrated', and 'Continual Renewal' are equally accurate descriptors. It is easy to get caught up in daily activities, but, as we prepare for the energy our students return with every fall, it is a good time to catch up on the many ways that the College of Pharmacy continues to reinvent itself.

Success in securing the best and brightest to our faculty and to our classrooms is central to staying on the cutting edge. Our Student Services group has worked with faculty to completely remodel recruiting, application, and interviewing efforts to assure that we have identified and attracted yet another group of outstanding entering students. Faculty that embrace scholarship and education, in turn, assure that our students are engaged by individuals who have a personal commitment to life long learning. This fall two new faculty members will join us, expanding our drug discovery research core and the development of clinical pharmacy service models in ambulatory care settings.

View from Portland

By Dr. David Bearden, Department of Pharmacy Practice, Chair



Dr. David Bearden

The Portland campus continues to expand its collaborations with Oregon Health and Science University (OHSU). While the construction of the new Collaborative Life Sciences Building continues, the COP is working in advance to strengthen the relationships already founded. A key development in this realm is the push toward more intentional Interprofessional Education and Collaborative Practice. Several COP faculty have been working hard to plan and establish a robust inter-professional learning environment that will bring together health care trainees from across the OHSU campus. These

efforts will build upon the interprofessional education opportunities on the Corvallis campus and help prepare our students for a safer and better integrated health care team. Early interprofessional experiences are underway for our second year students, with more advanced student opportunities on the horizon.

In addition to the interprofessional collaborations being developed, enhanced collaborations continue to advance with the OHSU Pharmacy Services Department. With the appointment of a new director in Yen Pham, who also serves within the College as Associate Dean for Clinical

One of the most exciting aspects of the College has been an ever expanding integration of students and faculty across health professions and institutions. Dr. Bearden notes below that preparing students for integration into interprofessional healthcare teams is critical and describes ongoing educational initiatives on both campuses. Faculty members also increasingly have joint appointments across departments and institutions to facilitate translational research. As in healthcare, research is a team sport that requires a diversity of expertise gained through collaborative efforts. This commitment will also be evidenced by the transition of two faculty members from the Pharmaceutical Sciences department to the Portland campus next June, further enhancing integration across campuses that has been present in the Pharmacy Practice department for many years.

Tradition is nice, but only if accompanied by continual renewal. Construction projects are underway on both campuses. In Corvallis, we are embarking on a major remodel that will allow our drug discovery researchers to once again be under one roof, and free space for expansion of research efforts across other disciplines. We are also committed to discovering how we can expand educational opportunities, so that our student body more closely replicates the diversity of the state's population. Finally, paralleling a national initiative, we are engaged in a full scale reexamination of the professional curriculum to assure students have the knowledge and skills that will be required in a transformed healthcare system. The tradition that comes with more than a century of excellence in education is comforting, but the energy flows from an ability of OSU faculty, staff, students and alumni to transform 'Tradition' into a verb that continues to propel the reach of our scholarship, graduate education and professional education forward.

Education, we will continue to work on expanding the joint educational, clinical, and research roles of the two entities. Students have been engaged in a successful third year medication reconciliation program at OHSU and an increasing number of high quality general and specialty area fourth year clinical rotations.

Furthermore, the College has partnered with Central City Concern to continue to expand clinical pharmacy services and student and resident education. Already a long-time partner in fourth year clerkships, a recent agreement will place two College of Pharmacy Ambulatory Care residents at the site. Our faculty will partner with Central City to train these advanced learners in a collaborative clinical environment.

Finally, our post-graduate training has expanded this year in the department with seven residents and fellows across campuses. While we have continued our community residency program with the University's Student Health Services in Corvallis, new growth has been seen in the Portland area. Two residents are currently training in our community residency partnership with Fred Meyer, expanding the very successful flagship community program. The College has also newly partnered with Central City Concern to continue to expand clinical pharmacy services and student and resident education. Already a long-time partner in fourth year clerkships, a recent agreement will place two College of Pharmacy Ambulatory Care residents at the site. Two fellowships have also been added this year with first year fellows in Managed Care and Geriatrics joining the Portland campus. Together, these trainees will help us advance the profession while they are here and as they move beyond our walls.

Students: The Year in Review

White Coat Ceremony

On the evening of September 26, 2013, Dean Mark Zabriskie formally welcomed the first year Pharm.D. students to the profession of pharmacy. At this special ceremony the P1 Class took the Pledge of Professionalism and each student was presented with their first professional white coat. Thank you to Albertsons Sav-On Pharmacy for sponsoring this event. The 2013 White Coat Ceremony will be held on Thursday, October 3, 2013 at 5pm at the CH2M Hill Alumni Center on the Corvallis Campus.



OSU College of Pharmacy incoming Class of 2016
Photo Credit: Jim Carroll

Apothecary Ball

The 8th Annual Apothecary Ball brought students, alumni, and friends of the College together for a masquerade themed evening of fun at the OHSU Center for Health and Healing on Saturday, March 9, 2013. The event featured live music from local jazz and vocal artist Michalangela, OHSU tram rides to view the Portland skyline, and a silent auction to benefit student outreach events throughout the year. Thank you to all attendees and sponsors for making this event a success! We look forward to seeing you at the 9th Annual Apothecary Ball on March 8, 2014 at the Center for Health and Healing on the OSU/OHSU Portland campus.



P3 students Tilli Bjornberg, Mirue Lee, Sophia Trieu, and Tabitha Purice celebrate with Dr. Craig Williams at the Apothecary Ball



Benefactor Jessie Johnson with scholarship recipients Andreea Malos (P3), Brianna Wang (P2), Michelle Bennett (P3), and Thoi Nguyen (P4)
Photo Credit: Chris Ho

Benefactors Reception

Scholarship recipients and scholarship donors gathered at Langdon Farms Golf Club on the evening of October 9, 2012 in recognition of the 120 scholarships totaling nearly \$150,000 that were awarded during the 2012-13 school year. The 2013 Benefactors Reception will be held on Tuesday, October 8, 2013 at Langdon Farms Golf Club in Aurora, OR. If you are interested in becoming a scholarship donor, please contact the college at (541) 737-3424.



Class of 2013 Pharm.D. Graduates Joel Feammelli, Abby Floeter and Jennifer Garber take the Oath of a Pharmacist
Photo Credit: Jim Carroll

Graduation

Faculty, family, and friends gathered to celebrate the 90 College of Pharmacy graduates entering the ranks of alumni and professionals on June 14, 2013. Honored guests OSU President Ed Ray and OHSU Provost Jeanette Mladenovic inspired graduates with their remarks. Following the ceremony, Fred Meyer, o generously sponsored a reception for the graduates and their guests. The graduation ceremony for the class of 2014 will be held on June 13, 2014 at the LaSells Stewart Center on the Corvallis campus. See page 10 & 11 for full story.

Entrepreneurial Academy: Developing Tomorrow's Pharmacy Business Leaders

The Entrepreneurial Academy (EA) at Oregon State University College of Pharmacy, founded in 2011, strives to provide student pharmacists the opportunity to develop business and leadership skills outside of the classroom. The academy's core mission is to foster individual growth through innovative business opportunities and to nurture an ability to thrive in the dynamic healthcare environment as future professional health care providers.

During the past academic year, EA members have worked diligently in researching and selecting a business venture for the upcoming 2014 Good Neighbor Pharmacy NCPA Pruitt-Schutte Student Business Plan Competition. Member efforts have included attendance at expert lectures, conducting onsite pharmacy investigations, participating in workshops and business development symposiums, and performing comprehensive demographic analysis in various locations.

EA members continue to cultivate practical business tools associated with independent pharmacy entrepreneurship. They develop a core understanding of general business principles as they move forward in the development of their business plan. The students form three teams focused on management, marketing and finances in the creation of the business plan.

The EA looks forward to sharing the progress of the business plan at the annual Pharmacy & Football Entrepreneurial Academy Showcase event this fall. (See below.)

We would like to thank all of the OSU alumni and volunteer advisors that joined in support of the EA this past two years. EA members are passionate about meeting all EA advisors and partnering with them over the next year in collaborating and receiving feedback on the business plan. Alum, Mike Douglas ('65) is taking the lead in advising the group project this year and alums Shelton Louie and Frosty Comer continue their support of the EA fundraiser event (see below). The EA extends special thanks to Vince Whiting for his ongoing support of student entrepreneurialism at OSU College of Pharmacy and to the many pharmacists who have formed the inaugural "Beaver Leaders" group providing financial support, engagement and expertise to the academy.



Entrepreneurial Academy Students gather at end of year social

Come and be apart of this great group!
(See below.)

Annual Pharmacy & Football Entrepreneurial Academy Showcase



If you only come to ONE football game this season, come to this one!
Enjoy the Colorado game on Saturday, September 28th and an update on the Entrepreneurial Academy presented in the historic lounge of the Memorial Union!



- Hosted luncheon and refreshments
- Football tickets to Colorado game
- Entrepreneurial Academy Showcase
- Membership in Beavers Leaders Club

Become a member of the OSU College of Pharmacy's Entrepreneurial Academy Alumni "Beaver Leaders" by attending the 2013 Pharmacy & Football EA Showcase

(Ticket sales support the Academy)

Ticket purchase: \$150 For reservations: paige.clark@oregonstate.edu
Generously sponsored by GSL Solutions and, Shelton & Christine Louie

Cover Story

Update on the OUS/OHSU Collaborative Life Sciences Building in Portland

By Dean Mark Zabriskie

In the previous issue of the BEAVERx, I provided an overview of the new OUS/OHSU Collaborative Life Sciences Building (CLSB) that OSU and the College of Pharmacy are involved with on the OHSU South Waterfront campus in Portland – just north of our current location in the Center for Health and Healing (CHH). To briefly recap, the CLSB is a joint project between the Oregon University System (OUS) and OHSU that combines undergraduate, professional and graduate research programs from OHSU, OSU, and PSU under one roof. This landmark \$295 million, 650,000 total sq ft building incorporates state-of-the-art instructional, research and simulation facilities designed to provide researchers, educators and students from the various schools and diverse disciplines a platform to develop innovative new educational and research partnerships.

We are looking forward to moving our Portland-based faculty and staff, currently located in CHH, into space designed specifically for education and research and believe the CLSB will provide a more enriching experience for the students. Much of the College of Pharmacy's dedicated educational and office space in the CLSB will be in the south tower. On the 1st floor – just off the large central atrium – we have three 25-seat classrooms to accommodate smaller groups in the clinical practice labs and elective courses. The entrance to Pharmacy's large theater-style 150-person lecture hall is on 2nd floor. The 5th floor of the south tower will house 22 faculty/staff offices, 16 student/research assistant workstations, and large and small conference rooms.

The south tower will be the hub for professional student activities and provides lounge space, study rooms and locker facilities for students in the health profession programs from OSU and OHSU. The building also provides a 20,000 sq ft of simulation space, including clinical skills training and standardized patient rooms, that will facilitate interprofessional education and serves to highlight the emphasis on training and educating new practitioners to work in interprofessional teams.

Pharmacy will have six laboratory-based researchers located in the taller north tower. There are two laboratory modules on



The CLSB south tower. The sloped 'ceiling' at the lower left is the floor of the College's large lecture hall.

the 3rd floor of the north tower and four modules on 4th floor. Each module is approximately 1100 sq ft and includes the associated faculty offices and researcher workstations. Drs. Ito and Cherala will relocate their laboratories from CHH. Drs. Adam Alani and Oleh Taratula will move their labs from the Corvallis campus to the CLSB and will be the first members of the Department of Pharmaceutical Sciences to be stationed in Portland. Their expertise in targeted drug delivery will make them key collaborators with other occupants in the building, including researchers in the Knight Cancer Institute and the OHSU Center for Spatial Systems Biomedicine. Current plans are to recruit two new investigators to occupy our other two laboratories. They will be selected for the ability of their research interests to complement our existing programs and leverage collaborations with our CLSB partners.

In addition to Pharmacy-specific research space, the three universities share five laboratory modules designated for interinstitutional research projects. Underscoring the collaborative theme of the building, these labs will be occupied by researchers working on projects involving investigators from at least two of the partner institutions. Proposals from investigators wishing to occupy these laboratories are currently being solicited and should lead to increased diversity in the biomedical and life sciences research conducted in the building.

On a final note, it's impressive that a building as complex as the CLSB is on track to receive LEED platinum designation, recognizing the degree of sustainability and efficiency in the design, construction and operation of the building. One contributing element is an emphasis on bicycle and mass transit commuting, including a stop for the MAX light rail on the south side of the building. The new Portland-Milwaukee Light Rail bridge, currently under construction and scheduled for completion in fall 2015, spans the Willamette river and will link the CLSB with a new MAX station at the Oregon Museum of Science and Industry (OMSI) and the east side of Portland.

The current schedule for occupancy has us moving into our space in the CLSB on July 1, 2014. Look for announcements of the grand opening events. We hope all our alumni and friends will find an opportunity to visit us in this amazing new building and learn more about the exciting work our talented faculty and students are doing on the Portland campus.

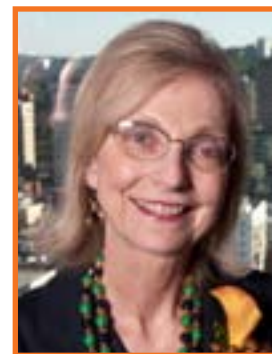


View of the central atrium, a large lecture hall 'on stilts' and skybridges connecting the north and south towers.

2013 Icons of Pharmacy

On the evening of May 4th, the Oregon State University College of Pharmacy alumni and friends gathered at the Portland City Grill to honor the recipients of the 2013 Icons of Pharmacy Award: Sandra Anderson, Michael Douglas and Edwin Schneider.

Recognition as an Oregon State University Icon of Pharmacy and induction into the Pharmacy Hall of Fame is an honor reserved for those who have demonstrated dedication to the College of Pharmacy and distinguished themselves through sustained, meritorious contributions to pharmacy throughout their careers.



Sandra Anderson
(Class of 1974)

Sandra (Sandy) Anderson grew up in Florence, OR where she developed an interest in the pharmacy profession working at a local pharmacy during high school. Encouraged by an influential teacher, Sandy went on to attend Oregon State University College of Pharmacy, graduating in 1973. She then worked for several independent pharmacies, as well as Fred Meyer and

Safeway, before taking on her position as the pharmacy Director in Central City Concern's Old Town Clinic in 2008.

One of the best examples of Sandy's innovative approach to patient care is the instrumental role she has played in the development of a new charitable pharmacy. Faced with serving the largely uninsured population at the Old Town Clinic, Sandy consulted with the Oregon Board of Pharmacy to develop regulatory language for the legislature which would allow for the use of safe, previously dispensed medications in a controlled environment.

Sandy has also been strongly committed to integrating Oregon State pharmacy students into the clinic. As a preceptor, Sandy works with many students each year to establish and develop the clinic's dispensing capabilities, anti-coagulation program, INR testing, and more.



Michael Douglas
(Class of 1965)

Newberg, Oregon has been home to Michael "Mike" Douglas for most his life. In high school, after seeing several of the players his dad coached go on to pharmacy school and hoping to one day own his own business, Mike decided to pursue a career in pharmacy. He went on to attend Oregon State College of Pharmacy, graduating in 1965.

Mike's first pharmacy job was at Kitchel's Eastwood Drug in Salem, but later he took a position at Perry Rogers Thrifty Drug in McMinnville before serving two years in the military. He returned to his position at Thrifty Drug after his service and there he learned how to successfully run an independent pharmacy. In 1970, the owners of Thrifty Drug made Mike an offer to join the partnership and run a new store in Newberg.

Mike's entrepreneurial spirit and determination to keep pharmacists and independent pharmacies viable and relevant in healthcare led to his integral involvement in the development of a buying group for independent pharmacies to create group contracts for pharmaceuticals and thereby manage costs more effectively.

In Mike's words, "pharmacy is about relationships," and he had demonstrated this in his well-established relationship with Oregon State and the College of Pharmacy as a generous supporter of the College's Entrepreneurial Academy.



Edwin Schneider

Edwin "Ed" Schneider was born and raised in Yakima, WA. He first developed an interest in pharmacy during high school, drawn by the dual appeal of owning his own business and helping others. He graduated from Washington State University with his pharmacy degree in 1969.

In his first year after graduation, Ed transitioned from Spokane to the Portland area where he began working for Fred Meyer. By

1988, a party lifestyle resulted in the probation of his pharmacist license. This experience fueled Ed's passion for helping pharmacists and other healthcare professionals struggling with substance abuse and he was instrumental in development of the Pharmacist Recovery Network (PRN).

While Ed continued at Fred Meyer as a pharmacy manager, he began working to develop PRN and took over its operation in 1995. Following a legislative move to detach all impaired professionals from all state licensing bodies, in 2010 the program developed into a non-profit organization and changed its name to Oregon Pharmacy/Professional Recovery Network (ORPRN). His efforts to bring the issue of professional recovery into public discussion have allowed the profession to address these issues of regulatory, public safety, and personal responsibility.

Pharmacy Hall of Fame

2006 William "Bill" Campbell ('65) Noel Flynn ('43) Charles "Chuck" Maples ('63)	2010 Albert Carver ('70) Douglass Stennett Dave Widen
2007 William "Frosty" Comer ('68) Darrel Purkerson ('63) Stephen Roath ('64)	2011 Bob Adams ('58) Freya Hermann ('59) Marvin Prince Vince Whiting
2008 Milo Haas ('83) John Kaegi ('57) Richard Kaegi ('52) Sara J. White ('68)	2012 Larry Cartier ('74) Bob Coulter ('73) Carl Heisel ('75)
2009 George Gerding Helen Noonan-Harnsberger Richard Sahli ('71)	2013 Sandra Anderson ('73) Michael Douglas ('65) Edwin Schneider

Alumni Updates



Outstanding Young Alumni Kristina Butler (BS '96, PharmD '98)

On the evening of May 4th, the Oregon State University College of Pharmacy alumni and friends gathered at the Portland City Grill to honor the recipients of the new Outstanding Young Alumni Award during the annual Icons of Pharmacy event. **Kristina Butler** (BS '96, PharmD '98) is the first to receive this honor.

A 1996 graduate of the OSU College of Pharmacy, Kristina (Kristy) Butler has distinguished herself as a talented young professional who inspires a spirit of continual professional growth & education, both as a mentor and through her own remarkable academic and professional achievements.

Kristy has previously held positions at OHSU and PMG, and is currently Manager of Clinical Pharmacy at Providence Medical Group where she has worked since July 2012. She has served in leadership roles with OSHP and ASHP, and was recently made a Fellow of the American Society of Health-System Pharmacists. As a preceptor, Kristy continually motivates the next generation of pharmacists to continue in their education, training and professional development.

Nancy Skirvin (Class of 1963)

While on the OSU campus for the Golden Jubilee Celebration on June 7th, **Nancy (Jensen) Skirvin** ('63) stopped by the building to reminisce about her life 50 years ago.



Nancy told the story of meeting her husband, Jon, on her first day of Algebra class and their wedding the December following their graduation. Not only was her life filled with a loving marriage and beautiful children, but she reflected upon her remarkable career.

During her visit to the pharmacy building, Nancy shared the remarkable story of her career starting with an internship at Emmanuel Hospital and eventually becoming Director of Pharmacy at Silverton Hospital. She had always been drawn to hospital pharmacies as she enjoyed working on the floors and interacting with nurses. Early on, Nancy knew how important it was to work as part of a team to provide excellent patient care.

A true "woman pioneer" in the field, Nancy is a strong role model for other women in pharmacy. As a woman in a pharmacy era dominated by men, she felt that she was treated equally in the profession. A strong sense of self and even stronger work ethic pushed Nancy to experience all that the profession had to offer.

To read more about Nancy and her incredible career, visit pharmacy.oregonstate.edu

A great victory for the Pharmacists of Oregon PBM Reform Law takes hold.

By **Cory Huot** ('97)

On July 2nd Governor Kitzhaber signed H.B. 2123 into law. The groundbreaking reform legislation applies new standards on how Pharmacy Benefit Managers (PBM) can affect our profession. The law provides increased transparency into Maximum Allowable Cost (MAC) pricing for generic prescription drug reimbursement. The new law also establishes new guidelines on how PBM's can audit community pharmacies and mandates that all PBM administrators register with the Insurance Division of Oregon to provide additional accountability and transparency. The bill was sponsored by Representative Jules Bailey (D-Portland). His leadership and consensus building were critical in the successful passing of this bill.

As Chairman of the Oregon Pharmacy Coalition, I am honored to work with such a collaborative group of pharmacy professionals across all practice settings. The passing of this bill did not come without a tremendous amount of effort, and I would like to formally recognize those who were part of our workgroup that made this all happen. For over a year, a diverse group of pharmacists and business professionals across the entire state of Oregon collaborated on the complex language behind the bill that is now Law. The members of the group are:

- Michele Belcher** ('86) RPh, Owner, Grants Pass Pharmacy
- Ann Murray** ('87) RPh, Owner, Heppner Pharmacy
- Shelly Bailey MBA, Owner, Central Drug
- Chris Brown MBA, Vice President, Payless Long Term Care Pharmacy
- Mike Millard** ('72) RPh, MS Associate Professor, Pacific University
- Bill Cross, Oregon Pharmacy Coalition Lobbyist

To read Cory Huot's full article, go to: pharmacy.oregonstate.edu

Alumni lead Oregon Board of Pharmacy

Penny Reher ('82) assumed leadership as the President of the Oregon Board of Pharmacy as of August 2013. During Penny's term as President, she will preside over board meeting and direct board activities. She will be focusing on issues such as compounding and the practice of pharmacy, review of recent workplace safety data, CCO's, and how pharmacies manage drug shortages. Alumnus, **Ken Wells** ('72), immediate past president of the Board, accepted the prestigious Fred T. Mahaffey Award in recognition of the Board's efforts to adopt new rules for patient safety in Oregon. The new rules define grounds for discipline for outlets that fail to provide a working environment that protects the health, safety, and welfare of patients.

Alumni and Faculty Organize "Diabetes Screening Pre-game Event" for November 1, 2013 USC Football Game

To kick off Diabetes Awareness Month, alumni **Cory Huot** ('97), Manager of Pharmacy Services Legacy Meridian Park Hospital, **Robin Richardson** ('84) VP, MODA Health, **Josh Bishop** ('06), Director of Pharmacy and Government Relations, PacificSource and **Penny Reher** ('82) Director of Pharmacy Services, Samaritan Health, and **Brian Crook** ('97) Pharmacy Director, Bi-Mart along with Dr. Natalea Braden Suchy, are organizing a diabetes screening event at the Prothro Field adjacent to Truax Center (the new OSU sports training facility) prior to the USC football game on November 1, 2013.

Legacy Health Systems management host OSU administration BBQ - purchased at OHSP

Michelle Murray ('86), her husband Phil, and a cadre of OSU alumni hosted another fabulous BBQ on a warm July evening. The BBQ was purchased at the OSHP Annual Seminar and served to raise money for scholarships. **Carl Heisel** ('75) was the BBQ Master, **Lynn Belcher** ('70) and Jerry Belcher (former OSU football player), Steve and Nancy Mosier, Kate Farthing, Elena Valcarlos, **Larry Cartier** ('74) and wife, Becky, and **Kathy Stoner** ('81) and husband, Steve, also added to the festivities.

Alumni Support OSU College of Pharmacy "Quick Conversations" Professional Discussions Event

Ten alumni, positioned throughout the college on the evening of May 21, 2013 hosted the popular "Quick Conversations" event at which first and second year pharmacy students rotate between each presenter for a fast-paced "tell me about your pharmacy career" conversation. Alumni included: **Tim Peterson** ('10), **Cydreese Aebi** ('79), **James Bui** ('99), **Dan Rackham** ('08), **Ted Williams** ('09), **Doug Butler** ('89), **Kathleen Kelly** ('92), **Naomi Lam** ('12), **Sierra Binek** ('11) and Todd Donner. The organizers were second year students, Lisa Ching and Hieu Nguyen.

Amy Burns (Class of 2011)

Amy Burns ('11) completed a Managed Care/Drug Information Residency with Dr. Dean Haxby, Associate Professor of Pharmacotherapy on OSU College of Pharmacy's Portland campus, and successfully entered the managed care field as the Director of Pharmacy, Health Management for AllCare and CareSource Health Plans. Amy lives in Grants Pass, Oregon and is one of the founding contributors to the Owen Alford Memorial Student Leadership Fund (details below) in memory of classmate Owen Alford, beloved student, friend and leader in the College of Pharmacy. Amy and the pharmacy class of 2011 invite all alumni to contribute to this fund in support of student leadership at the college.

Both Oregon and California State Pharmacist Associations led by OSU Pharmacy Alumni



Josh Bishop '06



Pat Person, '83

Alumnus and Director of Pharmacy and Government Relations for Pacific Source Health Plans, **Josh Bishop** ('06), is serving as Oregon State Pharmacists Association President for 2012-2013 and will be presiding over the October 18-20, 2013 statewide convention featuring programming that encompasses all practice settings. Another alum, **Michelle Murray** ('86), is serving as 2013-2014 President-Elect of Oregon Society of Health System Pharmacists.

The California Pharmacists Association is currently led by alum **Pat Person** ('83). Pat is a community pharmacist. "One Profession, One Voice" is his theme for the year, focusing on uniting the profession in California during this time of change.

Owen Alford Memorial Student Leadership Fund

2011 Classmates and College of Pharmacy Alumni:

Owen was a past Executive Council President (the college's student leadership council) and he was passionate about getting students engaged in professional activities like clinical outreaches and attending conferences that connected students with professionals who inspire and model leadership in our profession.

It was Owen's dream to create a fund to support OSU College of Pharmacy student leadership endeavors such as those described above. If you wish to join me in supporting such a fund in Owen's memory you may do so. Please see adjacent box for how to contribute to the Owen Alford Memorial Student Leadership Fund for the direct support of student leadership activities. It is our intention to regularly commemorate these gifts made in Owen's name and to celebrate. Thank you all for your support and comfort this past year.

Warm regards,
Mariah (Doty) Alford (Class of 2011)

To contribute to the Owen Alford Memorial Student Leadership Fund:

Please make checks payable to OSU Foundation and indicate "Owen Alford Leadership Fund" in the memo.

Send contributions to:
OSU College of Pharmacy
c/o Paige Clark
203 Pharmacy Building
Corvallis, OR 97331

Supporting the College

Michael Axtman Dominguez Pharmacy Scholarship

The College of Pharmacy and the OSU Foundation wish to thank the **Western States Pharmacy Coalition** for establishing our newest scholarship: the Michael Axtman Dominguez Pharmacy Scholarship. This gift is being made in memory of Bob Dominguez's son, Michael, who died tragically in an automobile accident June 28, 2013. The Dominguez family has been a part of the pharmacy community for decades and many know Bob as a devoted pharmacy executive from his years in the pharmacy wholesale business. This scholarship will be focused with the intent of providing tuition support for students with a demonstrated interest in pharmacy-related entrepreneurship and/or community pharmacy.

College Admissions

By Angela Austin Haney, Head Advisor



Student Services enjoys meeting with prospective students! If you know of anyone interested in pursuing pharmacy, please encourage them to contact us at pharmacy@oregonstate.edu or (541) 737-3424. Pharm.D. applications for Fall 2014 are due November 1, 2013. More information on the application process can be found on our website - <http://pharmacy.oregonstate.edu/academic-programs>.

On top of regular advising services, we implemented the inaugural Pharm.D. Ambassador Program. We selected and trained seven P2s to assist with recruiting prospective students and transitioning incoming students in which they offered advice on housing, life in Corvallis, and what to expect in the first year of pharmacy school.

Pharm.D. students took advantage of Student Services reviewing their CV's, cover letters, and residency applications. We are creating a Career Development curriculum to further help students develop the necessary skills for successful employment or post-grad opportunities.

Real Estate Gift Supports Pharmacy Faculty
Donors give four-plex and secure retirement income with a Charitable Remainder Trust

HELEN '63 AND DARREL PURKERSON '63 wanted to make a meaningful gift to OSU and at the same time secure reliable income for retirement. After speaking to their advisors and to the OSU Foundation, the Parkers transferred ownership of their four-plex to a charitable remainder trust (CRT), avoiding capital gains taxes while still earning income from rents.

Shortly after establishing the CRT, they sold the four-plex, with the sale proceeds remaining in the trust. Now, the trust provides them with secure income and relieves them of property management responsibilities. Eventually, the remaining trust assets will fund the Helen and Darrel Parkerson Faculty Scholar in the College of Pharmacy, creating an enduring legacy for generations to come.

Philanthropic Goal: Give back to the College of Pharmacy
Asset: Four-plex in St. Helens, Ore.
Gift Type: Charitable Remainder Unitrust
Benefits: Reduce taxes, maintain income, eliminate property management responsibilities, support OSU Pharmacy

We all leave a legacy. What will yours be?

Contact us to learn more:
JULIE IRMER
OSU Foundation, Office of Gift Planning
800-336-8217 • Gift.Planning@oregonstate.edu
campaignforosu.org/giftplanning

Director of Development

By Lori Brown



During my time with OSU many of you have shared with me how grateful you are to the College of Pharmacy for launching you into your career. A number of alumni have gone on to give years of professional and civic service in their communities. Many of you have also returned to the college to serve in various capacities as board members or guest speakers or to reach out to students who are nearing the end of the academic program and are ready to enter practice.

Another way you can leave a legacy at OSU and support your college is through a planned gift, often as part of an estate plan. This is a terrific way to remember the college and can be quite simple. For more information about including the College of Pharmacy in your will, please contact me or one of my colleagues who specialize in planned gifts. I can be reached at 541-207-8569 or lori.brown@oregonstate.edu and the gift planning office can be reached at 503-553-3408.

Sincerely,
Lori Jordan Brown
Director of Development

There are myriad ways to show your appreciation and support for the college, and I encourage each of you to consider giving annual gifts as well as gifts of your time and expertise during your years of practice.

SAVE THE DATE
for the OSU College of Pharmacy's
9TH ANNUAL APOTHECARY BALL
March 8, 2014 at the Center for Health and Healing

Come enjoy the Roaring 20's and an evening of wine, hors d'oeuvres, dancing and entertainment while mingling with pharmacists, alumni and students!

Tickets go on sale **DECEMBER 1ST** @
pharmacy.oregonstate.edu/apoball

Thank you to our 2013-14 Pharmacy Partners
Albertsons Sav-on Pharmacy, Bi-Mart Corporation,
CVS Corporation, Fred Meyer Corporation,
Rite Aid Corporation, Samaritan Health Services

Celebrate OSU Homecoming 2013 with the College of Pharmacy

Thursday October 24th

Homecoming Parade: 6:30pm

Come see the College of Pharmacy/Samaritan Health Systems Float!

Parade Route runs along Jefferson Ave through campus

Friday October 25th

Special Reunion Events for the classes of 1963, 1973, 1983, 1993, 2003

Contact Paige Clark for more information. Paige.Clark@oregonstate.edu or 541-737-2507

Homecoming Pharmacy Social: 9-11pm

*Join pharmacist and former OSU Football player under
Coach Pettibone Alumni Host: Cory Huot ('97)
Academic All Conference, PAC-10 Player of the Week, 1997*

*Squirrels Tavern (100 SW 2nd Street, Corvallis)
RSVP appreciated to Andrea Friesen at
andrea.friesen@oregonstate.edu or 541-737-9118*

Saturday October 26th

Pharmacy Open House & Coffee with the Dean

4 Hours Before Kick-Off

*Before the Big Game, stop by pharmacy
building for coffee Hosted by Dean Mark Zabriskie*

Pharmacy Building

*RSVP appreciated to Andrea Friesen at
andrea.friesen@oregonstate.edu or 541-737-9118*

**Attend OSU's
HOMECOMING Football Game
vs. Stanford**

Saturday, October 26th (time TBA)

Tickets on sale NOW!

**Visit www.osubeavers.com or call 1-800-GO-BEAVS
Beaver Ticket Office, 107 Gill Coliseum, Corvallis, OR 97331 (800) 462-3287**

