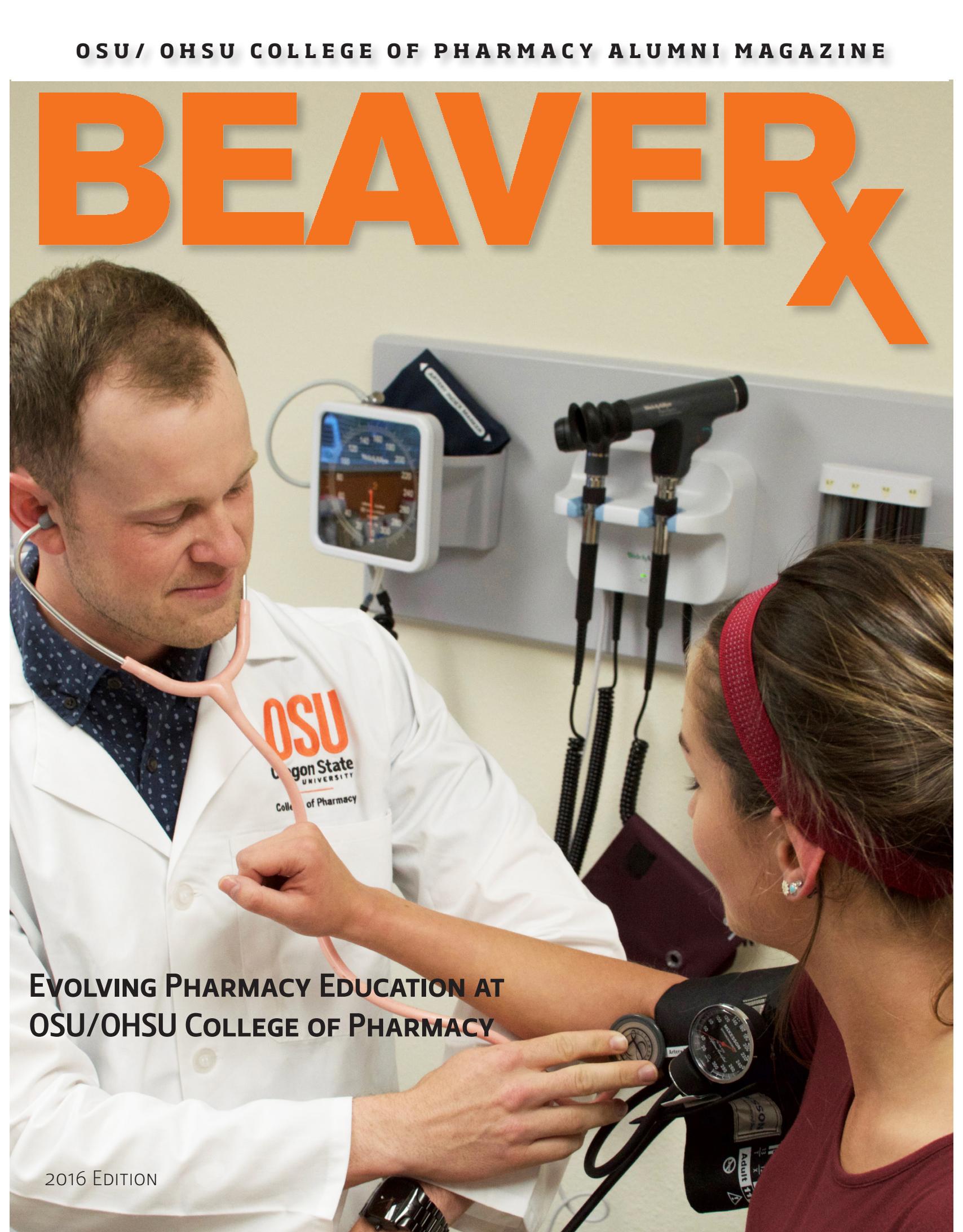
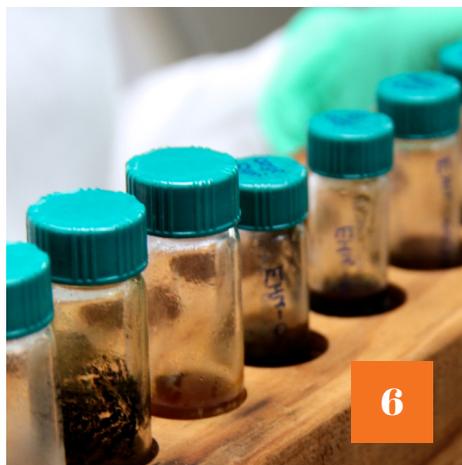


BEAVER_x



**EVOLVING PHARMACY EDUCATION AT
OSU/OHSU COLLEGE OF PHARMACY**

2016 EDITION



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DEAN'S MESSAGE



I'm delighted to present a synopsis of some of the many accomplishments of our faculty, students and alumni during the 2015-16 academic year.

One of our great pleasures each year is to recognize several accomplished alumni for their contributions to the College and to the profession. During Homecoming, we were honored to have **Penny**

Reher ('82), among a group recognized as OSU Alumni Fellows ([page 25](#)). Penny is Chief Pharmacy Officer for Samaritan Health Services, served two terms as president of the Oregon Board of Pharmacy, and is one of Beaver Nation's most ardent supporters. In the Spring, we recognized three outstanding alumni with the Icon of Pharmacy award. The 2016 inductees were: **Kim Brouwer ('78)**, the Kenan Distinguished Professor and Associate Dean at the University of North Carolina at Chapel Hill; **Steve Logan ('80)**, Executive Director, Regional Pharmacy Services with Kaiser Permanente; and **Cathy Lew ('83)**, a clinical pharmacist with Sacred Heart Home Infusion and member of the National Association of Boards of Pharmacy. At the award dinner we also recognized **Zach McCall ('06)**, Manager of Ambulatory Care Pharmacy Services and a residency program director at Legacy Health, with our Outstanding Young Alumni Award ([see page 22 & 24](#)).

Of course, the passion of our alumni also figures prominently in our success in philanthropic fundraising. Last year, the College brought in over \$2M from private gifts and grants. I am immensely honored by the generous estate bequest made by **Bob and Sharon McElroy** of over \$1M. This is the largest single gift from private donors that the College has received. Read on [page 28](#) how they were moved to become friends of the College through the influence of wonderful alumni and students.

The faculty had great success in funding last year with numerous new federal awards and many private and foundation grants and contracts. In total, faculty external funding nearly doubled last year. This success is a testament to the innovative and hard work of the faculty, which is also reflected in the more than 80 papers they published last year on their research – an all time high. In other faculty news, I am very happy to announce the promotion of **Dr. David Bearden** to Clinical Professor and the promotion of **Dr. Adam Alani** to Associate Professor of Pharmaceutics.

Several faculty were recognized last year for their outstanding research, scientific expertise or leadership. **Dr. Aleksandra Sikora** was recognized with the OSU Phi Kappa Phi honor society's Emerging Scholar award; **Dr. Oleh Taratula** was selected to receive the Oregon Medical Research Foundation Richard T. Jones New Investigator award; **Dr. Jane Ishmael** was appointed by Governor Brown to serve on the Task Force on Researching the Medical and Public Health Properties of Cannabis; and **Dr. Kerry McPhail** was elected to a four-year term on the Executive Committee of the American Society of Pharmacognosy.

We also had an incredibly active year serving alumni and other practicing pharmacists through our Continuing Education office. When our state passed legislation last year making Oregon the first state in the US to expand the practice of pharmacists to include prescribing hormonal birth control, the State Board of Pharmacy turned to us to develop and offer the certification program. Read more about this innovative CE certification program on [page 2](#).

Of course, our students continue to accomplish tremendous things and we were very proud when a group of three students, **Katie LaRue ('18)**, **Peter Atkins ('19)** and **Julia Zhukov ('18)**, mentored by faculty member **Dr. Adriane Irwin**, won the National Clinical Research Challenge competition held by the American College of Clinical Pharmacists ([page 13](#)). You'll also read on [page 23](#) about several of our outstanding recent graduates and the contributions they are making in their clinical practices.

Finally, it is with deep sadness that we learned of the passing of former **Dean Richard A. (Dick) Ohvall** on July 31st. Dick was one of the longest serving and most transformative leaders the College has had and he made a major impact on the Oregon and National pharmacy communities. Please see [page 4](#) for more information on the rich life and career of our wonderful friend and colleague.

I'm very proud of the work and accomplishments of our faculty, staff and students, and believe you will be too as you read this edition of the BeaverRx. As always, please feel free to reach out to us with news and stories or events to feature.

Sincerely,

A handwritten signature in black ink that reads "Mark Zabriskie". The signature is fluid and cursive, with the first name "Mark" being the most prominent.

Mark Zabriskie, PhD
Dean

AWARD WINNING ONLINE CE PROGRAMMING BUILT BY OSU COLLEGE OF PHARMACY

NEW

Contraceptive Education and Training for the Prescribing Pharmacist

Across the nation, women's access to oral and trans-dermal contraceptives is expanding by allowing pharmacists to write prescriptions. Shortly after HS2879 was implemented in Oregon, California also implemented their version of the bill. For Oregon pharmacists **Contraceptive Education and Training for the Prescribing Pharmacist, a 5-credit-hour (0.5 CEUs)** online course, is now available. For California pharmacists, **Contraceptive Education and Certification for the California Pharmacist, a 4-credit-hour (0.4 CEUs)** online course is available. The courses, developed by Oregon State University College of Pharmacy faculty with guidance from the Oregon and California Boards of Pharmacy, the Oregon Health Authority, and others, prepares pharmacists to take on this new duty of prescribing hormonal birth control. A Washington course will soon be available. Additional state specific courses are now available.

Stress Management for Pharmacists

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 Programs

Compassion in Dying for Pharmacists
Cultural Competency for Pharmacists
Pharmacists Opioid Use Tool Kit
Emergency Preparedness for Pharmacies
Patient Safety for Technicians

Patient Safety and Medication Error Reduction for Pharmacists

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

Management and HR Skills for Pharmacists

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 and HR Skills for Pharmacists, an 18-credit-hours (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 you are managing to the highest standards and complying with employment law.

Cultural Competency and Health Disparities

Coming in 2016, this **2-credit-hour (0.2 CEUs)** online course, will help health care professionals become more inclusive and provide the best care possible in a diverse population. **Cultural Competence and Health Disparities** looks at current health care issues among different groups and cultures, and suggests ways to improve communication and interactions with these populations.

pharmacy.oregonstate.edu/online_ce
541-222-0409 | osupharmacyce@gmail.com

Pricing varies by course and group discounts are available. Call 541-222-0409 for more information. Be sure to check with your employer to see if they will reimburse you for any of these continuing education certificate program expenses.

Accredited by ACPE



These programs have 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



Our office of Alumni Relations and Professional Development is happy to bring you news of the College, the profession, and alumni along with special invitations and opportunities for you to connect with colleagues through our monthly electronic newsletters. Sign up if you are not receiving them. Enjoy this annual alumni magazine, the BeaverX.

This year has brought an exciting and unique opportunity for the College to serve our profession here in Oregon, and nationally. By the time of printing our annual BeaverX magazine, nearly 2/3 of Oregon community practice pharmacists will be certified to **prescribe hormonal birth control** therapies through the **online CE/certification course built by the College**. Directing the College's CE programming has afforded me the opportunity to coordinate and support the efforts of many in building and implementing BC Prescribing throughout Oregon. **Dr. Lorinda Anderson**, content author for our CE program, has served our state in exemplary fashion. We have been asked by boards of pharmacy and pharmacy chains across the nation to provide state specific versions of the program nationwide for states who adopt similar pharmacist prescribing endeavors. OSU/ OHSU College of Pharmacy has taken the lead in educating pharmacists in this groundbreaking professional arena upon receiving direction from the Oregon board, the legislatively mandated advisory committee and the many physicians and healthcare leaders engaged in the first successful implementation of a law enabling pharmacists to prescribe. Payers are using the certification for purposes of credentialing, essential for eventual third party payment for prescribing.

To those of you who led the way in becoming the nation's first pharmacists to prescribe---bravo, and congratulations. Your gusto, commitment to serving your patients and your ability to step forward and be a professional trailblazer has not gone unnoticed! Here is the link to the course if you have yet to register: http://pharmacy.oregonstate.edu/online_ce. There are additional online CE courses including HR Management for Pharmacists, Patient Safety for Pharmacists, and there are more to come!

Many of you continue to inquire about how to pursue your MBA via Oregon State's hybrid (online/in person) program offered in our Collaborative Life Sciences Building in Portland on the OHSU waterfront. **See page 18** for details, or call me. I'm happy to provide details and answer questions. We are committed to helping create outstanding decision makers and top leadership in our healthcare marketplace. Having the skills and the widely recognized credentials of an MBA can bring you to the forefront on par with top leadership in any organization.

As your alma mater, we provide many opportunities for networking, socializing, reconnecting, reminiscing, developing yourself and your professional skills, and assisting you in connecting professionally with your next position. Note the annual OSU/ OHSU College of Pharmacy Alumni Reception held before the annual OSPA Convention on Friday night, October 21 and the annual Alumni Reception at the annual APhA convention in San Francisco this year!

Mark your calendars for Homecoming, and all of the Pharmacy Class Reunions (2006, 1996, 1986, 1976 etc.) during the weekend of October 29, 2016. Tickets are also on sale now for the annual Entrepreneurial Academy's FAN CAVE football exclusive end zone event (**page 19**) and they go fast!

Lastly, if you graduated in the last 10 years, you won't want to miss **page 20** for details on our Recent Grad Leader Group! This is a great new group led by a dynamic council headed by **Abby Floeter ('14)**. **See page 20**

It is my honor and delight to connect with many of you throughout the year. Please call, write, email or stop by either the Corvallis or Portland campuses. We love to hear from you! You can reach me at: Paige.Clark@Oregonstate.edu.

Paige Clark, RPh ('86)
Director of Alumni Relations and Professional Development



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Join us for the
APhA ALUMNI RECEPTION
MARCH 25, 2017
IN SAN FRANCISCO



**DO YOU GET OUR
MONTHLY E-NEWS WITH
STORIES ABOUT ALUMNI
STUDENTS, FACULTY
AND COLLEGE EVENTS?**

EMAIL PAIGE.CLARK@OREGONSTATE.EDU OR
[HTTP://PHARMACY.OREGONSTATE.EDU/BEAVERX_E-NEWS](http://PHARMACY.OREGONSTATE.EDU/BEAVERX_E-NEWS)

FACULTY NEWS

IN MEMORIAM (FACULTY)



REMEMBERING RICHARD A. (DICK) OHVALL, PHD FORMER DEAN OF OSU/OHSU COLLEGE OF PHARMACY

Richard A. (Dick) Ohvall, PhD, a distinguished pharmacy educator and leader, and Dean of the Oregon State University College of Pharmacy from 1976 to 1998, passed away on Sunday, July 31, 2016. During the course of his distinguished career, Dick served on the faculty at the University of Connecticut School of Pharmacy, as an assistant professor and Assistant Dean for Undergraduate Studies in the School of Pharmacy at UW-Madison, and as Dean of Pharmacy at Ferris State University prior to joining Oregon State University as Dean of Pharmacy in 1976. Dick was instrumental in driving the OSU College of Pharmacy to become a comprehensive research-focused program and it was under his guidance that OSU developed a PharmD program and established the College's relationship with Oregon Health & Science University. Dick retired from OSU in 1998, after having served 27 years as a dean of pharmacy, the longest tenure of any active pharmacy dean at the time of his retirement.

Dick Ohvall's leadership extended to the national level where he served as President of the American Association of Colleges of Pharmacy (1992) and President of Rho Chi (1989), in addition to receiving several awards. Nationally recognized and respected for his contributions to pharmacy education, he leaves behind many former students and colleagues who credit much of their success in pharmacy to his mentorship and

support. Dick Ohvall was an influential educator and mentor, a respected and effective administrator, and a wonderful friend and colleague who will be remembered for all he did to better his profession. On behalf of the OSU/ OHSU College of Pharmacy, we express our deepest condolences to Dick's wife, Judy, and their five children and their families.

To read the full article by Dean Mark Zabriskie, please visit: blogs.oregonstate.edu/beaverx/all-stories

RICHARD JOHNSON, PHD

Former OSU/OHSU professor **Richard Johnson** died April 21, 2016 at the age of 85. Johnson was a faculty member with the OSU College of Pharmacy from 1965-1973. Prior to joining the faculty at OSU/OHSU College of Pharmacy in 1965, he served as a pharmacy technician with the US Army in Germany until 1954. During his time as professor, Richard substantially influenced the careers of some of our most distinguished alumni. We are so proud to have had Richard as a faculty member at the OSU/OHSU College of Pharmacy, and he will be deeply missed.

NEW FACULTY

Jennifer Davis, PharmD



OSU/OHSU College of Pharmacy is pleased to welcome **Dr. Jennifer Davis** who has joined our faculty as Director of Pharmacy at Student Health Services on the Corvallis campus following **Bill Boyce's** ('77) retirement. Jen is a 2003 PharmD graduate from the University of Georgia and previously worked at Fred Meyer in several roles including Pharmacy Manager and Clinical Coordinator. While at Fred Meyer, Jen co- led the development and implementation of a community residency program

jointly administered by Fred Meyer and OSU/OHSU College of Pharmacy. She currently leads a Pharmacy Practice committee that has taken lead on the development of statewide protocols made possible following passage of HB 2028, recognizing provider status for pharmacists.

Deanna Moretz, PharmD



OSU/OHSU College of Pharmacy is pleased to welcome **Deanna Moretz** as Drug Use Research and Management's (DURM) new Clinical Specialist. Deanna will be stepping into the role previously held by **Kathy Ketchum** ('82) who retired earlier this year. From 2009 to 2016 she worked for Providence Health and Services in a variety of roles including Residency Program Director and Clinical Coordinator for Newberg Medical Center. Her role with the College

includes teaching two courses in evidence-based medicine (EBM) as part the OSU Doctor of Pharmacy program as well as writing and maintaining DURM's monthly newsletter. View the newsletter at:

pharmacy.oregonstate.edu/drug-policy/newsletters

FACULTY RETIREMENT



Bill Boyce ('77) After nearly 40 years in the pharmacy profession, Bill Boyce retired as Director of Pharmacy Services at OSU Student Health Services. Prior to joining the faculty at OSU/OHSU College of Pharmacy in 1998, Bill worked for 21 years as a clinical health pharmacist with Indian Health Services. Over the course of his career Bill has received much recognition for his outstanding contributions to the pharmacy

profession including a United States Public Health Service Surgeon General Exemplary Service Medal. As Director of Pharmacy Services, Bill has made many notable contributions to improving student access to care by making pharmacy services, such as flu vaccinations, easily accessible to the OSU community. We wish Bill a very happy retirement, and we thank him for his commitment to the College of Pharmacy.



Kathy Ketchum ('82) joined the OSU/OHSU College of Pharmacy in 1997 as Manager for the College's Drug Use Research and Management (DURM) program handling DURM's contract with the Oregon Medicaid program. During her tenure, she developed and implemented many programs and policies that have improved the quality and cost-effectiveness of pharmaceutical use for the Medicaid program. Her efforts have saved the state and taxpayers millions of dollars and she has played a leading role in the success and growth of the DURM program for the College of Pharmacy. Kathy has been a highly respected and valued member of the College and has made a tremendous impact on the State of Oregon and OSU/OHSU College of Pharmacy. We thank her for her 19 years of service, and wish her the best in retirement.

FACULTY PROMOTIONS AND TENURE



David Bearden, PharmD
Promoted to Clinical Professor



Miriam Elman, MPH
Promoted to Senior Faculty Research Associate, Department of Pharmacy Practice



Adam Alani, PhD
Promoted to Associate Professor of Pharmaceutical Sciences and Granted Tenure

FACULTY AWARDS

Dr. Aleksandra Sikora, PhD, Pharmaceutical Sciences Assistant Professor at OSU/OHSU College of Pharmacy, was awarded the Phi Kappa Phi Emerging Scholar Award in February 2016 for her work developing a vaccine against gonorrhea.

Dr. Myrna Lunar, PharmD, Pharmacy Practice Professor at OSU/OHSU College of Pharmacy, received the 2016 OHSU Faculty Senate Outstanding Teaching Award.

David Lee, PharmD, PhD, Assistant Professor of Pharmacy Practice at OSU/OHSU College of Pharmacy, received the American Geriatrics Society's New Investigator Award in May 2016,.

Dr. Benjamin Philmus, PhD, Pharmaceutical Sciences Assistant Professor at OSU/OHSU College of Pharmacy, received an R15 Grant from the National Institute of General Medical Sciences (NIGMS) of the National Institutes of Health (NIH) which officially started on August 1st.

William "Si" Simonson, PharmD, CGP, FASCP, Senior Research Professor of Pharmacy Practice was recently appointed as Chair of the Examination Development Committee for the Commission for Certification in Geriatric Pharmacy (CCGP).

EXCEPTIONAL RESEARCH AT OSU/OHSU COLLEGE OF PHARMACY

SKELETAL MUSCLE DISORDER LEADS TO OBESITY AND DIABETES



Chrissa Kioussi, PhD, researcher in the department of Pharmaceutical Sciences, is working to define gene networks involved in muscle development and energy balance systems towards the goal of treating dystrophies and metabolic syndromes. Skeletal muscle is a dominant organ system in locomotion and energy metabolism. The balance between protein synthesis and degradation is carefully regulated and any disruption to this balance can have serious consequences, including

the development of diabetes and obesity. Muscle integrity is controlled by regulatory proteins. Dysregulation of these proteins has several consequences, including muscle atrophy, muscular disease (myopathies, dystrophies) and systemic disorders (obesity, diabetes, cancer, heart failure). To isolate the effects of these regulatory proteins, Kioussi created multiple strains of mice, each lacking specific proteins, to study muscle development in their absence. One model however, in addition to poor muscle development, became excessively obese and displayed symptoms of metabolic

syndrome and type-2 diabetes. “This being the only example of metabolic syndrome observed in all of our models, led us to believe that this condition is caused by the absence of this specific protein,” Kioussi says.

This discovery has led the Kioussi lab to explore new questions related to metabolic syndrome and the connection to skeletal muscle development. “**Nearly 170 million people worldwide face the dual challenge of managing both type-2 diabetes (T2D) and obesity. These conditions, whose onset depends on both genetic and environmental etiological factors, are closely linked to normally functioning skeletal muscle. Because skeletal muscle accounts for almost 75% of the body’s glucose uptake, it has a major impact on body’s metabolism,**” explains Kioussi. New insight into the realm of metabolic syndrome and related diseases has made Kioussi and her team optimistic that their work will provide the framework for both drug- and behavior-based therapeutic interventions for the treatment of obesity and T2D. “We still have many unanswered questions,” Kioussi said, “and understanding the mechanisms involved in skeletal muscle development will advance our understanding of the way muscle homeostasis impacts the body’s metabolism.”

NANOPARTICLE-BASED SYSTEMS FOR SELECTIVE DRUG DELIVERY



Drug Delivery Team

The research of **Adam Alani, PhD, Gaurav Sahay, PhD, Conroy Sun, PhD, Oleh Taratula, PhD, and Olena Taratula, PhD**, centers on developing nanoparticle-based systems for selective drug delivery. Each of their labs plays an integral part in interdisciplinary research targeting cancer cells through Nanomedicine.

“The surgery for ovarian cancer is a major undertaking,” says Dr. Oleh Taratula. “Often,

by the time it is detected, the tumor has already spread throughout the abdominal cavity, which results in low survival rates.” Taratula’s research lab focuses on developing multifunctional drug delivery systems to improve those outcomes. These nanoparticles are administered to the tumor 24 hours before surgery and make the cancer cells glow, becoming real-time imaging agents and an extra pair of eyes for the surgeon.

Dr. Conroy Sun’s lab focuses application of nanotechnology in the development of nanomaterials for targeted drug delivery and molecular imaging contrast agents. The lab works with

polymeric, inorganic, or inert metallic particles to develop nanomedicine with applications in radiation medication. By discovering how these materials interact with cells, Sun’s lab can produce particles that serve as carriers to bring medicine specifically to the tumor site. Sun explains, “Specifically, we use nanotechnology to deliver particles that serve as radiation enhancers so a patient doesn’t need as much radiation therapy, but gets the same therapeutic effect.”

Dr. Gaurav Sahay’s lab develops nanotechnology-based platforms for treating lysosomal storage disorders, neurodegenerative disorders, and cancer immunotherapy. Specifically, his lab researches treating Niemann-Pick Type C1 (NPC), a rare progressive disorder that accumulates cholesterol and other lipids inside of cells. “**We have found the only way to save children with this disorder is to insert cyclodextrin directly into the brain tissue,**” says Sahay, “we are making technological solutions that can cross the blood-brain barrier, as well as deliver the solution selectively.”

These three labs converge both in the side-by-side proximity in the Collaborative Life Sciences Building and their interdisciplinary take on learning. “We are working side-by-side with world-class physicists, chemists, engineers, pharmaceutical scientists and lab statisticians,” says Sahay; “It is when we work in tandem that we can see the big picture of our research,” Sun adds, “it is not just reading about other research from a textbook; here you can go directly to the source, to someone who practices that research every day and truly knows the material.”

PHARMACOEPIDEMOLOGY & DRUG USE MANAGEMENT

ENABLING PROVIDERS TO MAKE PATIENT-CENTERED CHOICES GIVEN INDIVIDUAL GOALS OF CARE

The study of population health encompasses a wide range of fields relating to drug utilization, drug outcomes, drug effectiveness and drug appropriateness. College of Pharmacy researchers **Jessina McGregor, PhD, David Lee, PharmD, PhD, Jon Furuno, PhD, and Daniel Hartung PharmD, MPH**, work in the arenas of Pharmacoepidemiology and Drug Use Management, focusing on how drugs and disease states vary from one population to another.

Dr. Jessina McGregor, Associate Professor in the Department of Pharmacy Practice, primarily researches infectious diseases and antibiotic use. Her current research project, funded by the Agency for Healthcare Research and Quality (AHRQ), looks to improve antibiotic use in uncomplicated UTIs in primary care settings and limit antibiotic resistance. Dr. McGregor explains, **“using antibiotics inappropriately doesn’t just affect the patient being treated, it affects the greater population because it is selecting for resistance.”** To prevent the spread of resistance, antibiotics need to be used prudently, appropriately and responsibly.

The research of Dr. David Lee, Assistant Professor of Pharmacy Practice, focuses on maintaining independence in older adults. “While a younger patient may have one disease state,” he explains, “a geriatric patient may have co-morbidities and be taking upwards of twenty different medications, creating a complex patient situation.” His research explores multi-morbidity, medication burden, goals of care, frailty status, health system infrastructure, and caregiver support.

Associate Professor of Pharmacy Practice, Dr. Jon Furuno, studies the optimized use of antimicrobial agents in complex populations, as well as improving safe and effective medication use in older adults – those transitioning between healthcare settings and those at end-of-life. His research on antimicrobial agents ranges from antibiotics that treat bacterial infections to antiviral therapy in immunocompromised patients to prevent more invasive diseases. Furuno says, “our studies show that ‘Quality of Life’ is becoming an increasing metric for the success of the health care system. In order to determine the goals of care for such a complex population, research in an interdisciplinary setting of oncology residents, clinicians, physicians, nurses, social workers, and pharmacists is truly important.”

Dr. Daniel Hartung, Associate Professor in Pharmacy Practice, conducts Drug Use Management research related to prescription opioid misuse and prescription drug economics. One of his projects, funded by the AHRQ, focuses on better utilization of Oregon’s Prescription Drug Monitoring Program (PDMP). He is currently building an educational tool kit to help pharmacists use the PDMP effectively in their practice. “Opioid misuse is one of the top population health issues in the country, in terms of unintended mortality rate,” says Hartung, “of the estimated 50,000 people/year that die of drug-related poisoning, two-thirds of those are related to opioid or heroin overdose, and two-thirds of those opioid deaths are from prescription opioids.” This research is about drug policy, but also about the role of the pharmacist. **“Pharmacists are central to this issue and have an important role in meeting the goal to decrease and improve opioid use.”**



Jon Furuno, David Lee, Jessina McGregor & Daniel Hartung

OSU/OHSU COLLEGE OF PHARMACY AT THE
LEADING EDGE IN PHARMACY EDUCATION

Improving problem solving skills by simulating “real world” patient cases



Advanced Pharmacy Practice Experiences (APPE) require students to apply and integrate knowledge, skills, and values gained throughout the curriculum. They are critical in allowing students to define areas of interest and prepare for postgraduate opportunities. A new focus on assuring student readiness to take advantage of these advanced experiential opportunities will be implemented this year. OSU/OHSU College of Pharmacy's Curriculum Committee has reengineered the curriculum by adding the Pre-APPE Readiness (PAR) Block to the spring term of the P3 year.

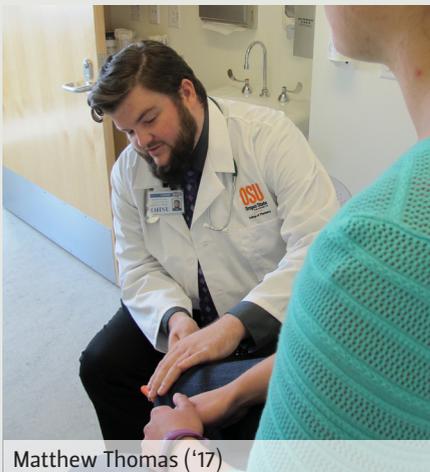
The PAR Block will validate student learning and confirm readiness for advanced experiences. A variety of assessment tools and small group case discussions will identify any areas that students may want to strengthen, in addition to building and ensuring student confidence for the provision of direct patient care. "The whole landscape of the pharmacy profession continues to evolve. Students have to be completely prepared for advanced education in order to develop advanced abilities required for emerging practice models," says **Tanya Ostrogorsky**, Director of Assessment and Faculty Development. "We are helping to build their confidence, independence, and comfort with the knowledge they gain through this new curriculum." **Dr. Gary DeLander**, PhD, Executive Associate Dean, adds, "Our students need to be able to adapt to, and grow with health care. We are preparing our students for next year and the next twenty years." Having this additional preparation and validation before students go into their 4th year experiences gives them the opportunity to differentiate themselves in a growing, competitive market.

The PAR Block, at the end of the 3rd year, is supported by a number of changes that have been implemented over the past several years at earlier points in the curriculum. Clinical perspectives needed for patient care in chronic diseases have been integrated with foundational concepts to create a new P2 sequence - Integrated Drug Structure, Action, and Therapeutics - that also includes pharmacology and medicinal chemistry. **Dr. Theresa Filtz**, PhD, Chair of the Curriculum Committee, says the goal is, "to allow students to learn the therapeutic use of pharmaceutical agents at the same time as learning the basic pharmacology and medicinal chemistry, with the goal of improving understanding of rational selection of drugs in therapy and retention of information."

Greater integration of foundational and clinical sciences has been coordinated with improvements in pharmacy practice courses and Introductory Pharmacy Practice Experiences (IPPE). High stakes simulated patient care situations with live actors have been incorporated throughout pharmacy practice courses, utilizing the CLSB-based simulation center at OHSU. Reorganization of IPPE to more carefully define the progression of experiences and emphasis on self-reflection on clinical problem solving abilities continually develops student confidence in 'real world' patient care settings.

Curriculum changes in P2 year assure student readiness for more advanced learning and more complex patient cases

by the time they reach P3 year. "They are going to have greater opportunity to practice a well-articulated patient care process, to improve medication and disease state management skills, and to improve a patient's general health and well-being through optimal drug therapy," says Dr. Filtz regarding the curriculum changes.



Matthew Thomas ('17)

Upon reaching the P3 year, students are ready to address more specialized acute care clinical situations and extend their ability to manage progression of chronic diseases. Students learn how to meet the needs of patients who have complex disease processes, co-morbidities and complex life circumstances. "We will integrate the use of electronic health records, such as EPIC, to simulate patient cases and patient care settings in a real world way," says **Dr. Megan Herink**, PharmD, part of the faculty team involved in incorporating and developing the acute care curriculum pieces. "This directly improves critical thinking skills since

students have identify what is important and relevant while navigating through a patient's whole medical chart." Both Dr. Herink and **Dr. Harleen Singh**, PharmD, who is also working to develop the integration of acute care cases, emphasize that utilization of the simulation center in the CLSB also has the potential to facilitate growth of an inter-professional model of care.

Shifts within the curriculum have been, and are being felt throughout the entire program. Some classes that were in P1 year are now pre-requisites for the program, creating an environment where students enter the program ready to focus on professional education. Additional perspectives, previously reserved only for more advanced students,



Brian Haggblom ('16)

are being integrated into the P2, and even P1 years of the curriculum. We are increasingly in an era where employment can hinge on advanced specialized experiences and many students actively pursue postgraduate education. Opportunities to build student confidence, independence, and comfort prior to advanced experiential education has never been more important in order to be competitive. **Dr. Juancho Ramirez**, PharmD, Assistant Dean of Experiential Education, sums it up saying, "The goal is to create competent and confident graduates who become innovators in their careers. To do that, we have re-focused the curriculum to prepare students to be not only test-ready, but practice ready."



White Coat Ceremony
Photo Credit: Jim Carroll Photography

1



Apothecary Ball
Photo Credit: Shelley Marie Photography

3



White Coat Ceremony
Photo Credit: Jim Carroll Photography

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PEPP

2



Apothecary Ball
Photo Credit: Shelley Marie Photography

5



Student Recognition Banquet

6



Benefactors Reception
Photo Credit: Chris Ho

7



Apothecary Ball
Photo Credit: Shelley Marie Photography

8



Student Recognition Banquet

9

STUDENT EVENTS

WHITE COAT CEREMONY

The Class of 2019 was welcomed into the College of Pharmacy at the White Coat Ceremony held on Tuesday, September 29th, 2015. 96 students were “coated” by faculty before taking the Pledge of Professionalism. Special guests at the ceremony included **Steve Keen**, Corporate Pharmacy Recruiter for Albertsons-Safeway Pharmacy and **Amy Valdez ('99)**, recipient of the 2015 College of Pharmacy Outstanding Young Alumni Award. The 2016 White Coat Ceremony will be held on Tuesday, September 27th, at 5:00pm at the CH2M Hill Alumni Center on the Corvallis Campus.

Picture 1: Nathan Wong ('19), Rui Wang ('19) and Yongke Tan ('19) | Picture 4: Esther Ku ('19)

SCHOLARSHIP BENEFACTORS RECEPTION

The 2015 Scholarship Benefactors Reception was held at Langdon Farms Golf Course on Tuesday, October 13th, 2015. Student scholarship recipients for the 2015-2016 academic year thanked the College's supporters and their individual scholarship donors. For the fifth year in a row at OSU, the College of Pharmacy had the highest percentage – more than 34% – of its alumni give back to the school. This year 129 scholarships were awarded, totaling more than \$204,000 in support to pharmacy students. If you are interested in becoming a scholarship donor, please contact the College at (541) 737-3424 or Lori Brown at Lori.Brown@oregonstate.edu.

Picture 7: Bob & Betty Adams with Megan Carroll ('16)

PHARMD ENRICHMENT AND PROFESSIONALISM PROGRAM (PEPP)

Throughout the school year, the PharmD Enrichment and Professionalism Program (PEPP) brings in speakers from various practice settings to share with students the many opportunities available in pharmacy. This year, PEPP brought in nine speakers from a variety of backgrounds including: **Bob Coulter, RPh ('73)**, **Tara O'Keeffe, RPh ('77)**, **Dan Kennedy, RPh ('93)**, and **Diana Courtney, RPh ('99)**. Speakers are already being scheduled for the 2016-2017 academic year. If you are interested in being a PEPP presenter, please contact Paige Clark at Paige.Clark@oregonstate.edu

Picture 2: George Gerding ('55-Hon.), Beth Biggs of Consonus & David Lee (PharmD, PhD)

APOTHECARY BALL

The 11th annual Apothecary Ball on March 12th, 2016 transported students, alumni, and friends of the College seaside at the “Anchors Away” themed event held at the Collaborative Life Sciences Building. Portland's *Kansas City Rhythm Kings* kept guests moving on the dance floor between boat races, fishing games, and a silent auction. Thank you to attendees and sponsors for making the event a success. Event proceeds benefit student outreaches and educational activities. We look forward to seeing you at the 12th annual Apothecary Ball on March 4th, 2017 at the Collaborative Life Sciences Building on the Portland Campus.

Picture 3: Luke Cutting ('18), John Meyers ('18) & Eric Ballew ('14) | Picture 5: Tina Nguyen ('18) & Emily Hull ('18)

STUDENT RECOGNITION BANQUET

On June 1st, 2016, students were acknowledged in front of peers and faculty for their hard work over the past year at the Student Recognition Banquet. Students also provided entertainment for the evening in the form of a musical group, *The Nightshades*, and a Chinese Lion Dance set to traditional drums. During the banquet each class presented videos and slideshows of the 2015-2016 academic year. Individuals from each class also submitted videos for a Lip Sync Competition. Next year's Student Recognition Banquet will be held on May 31st, 2017 at the CH2M Hill Alumni Center on the Corvallis Campus.

Picture 6: Academic Advisors Angela Austin Haney, Lindsey Watts Kinsella & Lauren Corwin | Picture 9: Vikki Li ('17), Teresa Pham ('17), Victor Tran ('17), Dan Muongpack ('17), Austin Pliska ('17)

EXCITING PATHS FOR PHARM D STUDENTS BEYOND OSU/OHSU

BRIAN HAGGBLOM ('16)



“The College gave me hands-on experience in patient care, which prepared me for my Pharmacy Practice Residency with OSU/OHSU College of Pharmacy where I work alongside the Ambulatory Care Pharmacists for Benton and Linn County Health Clinics, see patients for chronic disease state management and staff in the Benton County Health Center Pharmacy. I am also helping implement Oregon’s policy and protocol on the Pharmacist’s role in disaster preparedness and creating a research project on this initiative.”

PAULINA NGUYEN ('16)



“As a resident with Portland VA Medical Center, I started in the decentralized and in-patient pharmacist block, doing inpatient medication processing, allergy consultations, vancomycin monitoring, warfarin monitoring, and discharge patient medication counseling. In this position I rely on my education and training in clinical evaluation and formulation of therapeutic management plans, evaluating data to identify drug therapy problems, encouraging patients toward an active role in their care, and assessing and revising patient care plans to achieve favorable health outcomes.”

EUGENIA SU ('16)



“As a resident at Roseburg VA Hospital, I meet with patients to review their medications, lifestyle, lab values, and goals and guide them appropriately related to their therapy. I also guide current pharmacy students through experiential learning and present in front of other health care professionals on various disease states. The education I received at OSU/OHSU directly impacts my success in residency as I am able to confidently and competently make clinical decisions.”

2016 GRADUATE PGY1 RESIDENTS

ASHA BIRMINGHAM
 MEGAN CARROLL
 ADA CHANG
 CHRISTINE DORAN
 MATT GLAUS
 BRIAN HAGGBLOM
 NEIL HAMMOND
 BONNIE JIRON
 SARI JOUIHAN
 BRITTANY KRAMER
 SARAH LINDSTROM
 JOHNATHAN NGO
 PAULINA NGUYEN
 STEPHANIE PERSAUD
 FRANKLIN PHAN
 KAYLA GRZYBOWSKI
 COURTNEY STROUSE
 EUGENIA SU
 EMMALEE THORNTON
 AMANDA TOBIAS
 AMY TZOU
 KATE UNTERBERGER
 BEN VERMILLION
 JENNA WEST
 MARISKA WIDHARMA

STUDENTS

>90%

OF OUR STUDENTS WHO APPLY FOR RESIDENCY OPPORTUNITIES ARE MATCHED



IT'S GREAT WHEN A PLAN COMES TOGETHER!

2016 STUDENT GRADUATE EVALUATIONS OF THEIR ADVANCED EXPERIENTIAL EDUCATION REVEAL:

99% OF STUDENTS SAID THEIR EDUCATIONAL OUTCOMES WERE MET IN EXPERIENTIAL EDUCATION

98% OF STUDENTS WOULD RECOMMEND THEIR EXPERIENTIAL SITE TO OTHER STUDENTS

CONGRATULATIONS 2016 GRADUATES!
 THANK YOU PRECEPTORS FOR YOUR OUTSTANDING EFFORTS!

ACCP CLINICAL RESEARCH CHALLENGE

OSU/OHSU PHARMACY STUDENTS TAKE FIRST IN NATIONAL COMPETITION

Three students represented OSU/OHSU College of Pharmacy as they participated in the American College of Clinical Pharmacy's (ACCP) inaugural year of the ACCP Clinical Research Challenge (CRC). The team consisted of **Peter Atkins ('19)**, **Katie LaRue ('18)**, and **Julia Zhukov ('18)**, who competed against pharmacy students from 79 schools nationwide in an online exam on biomedical statistics and literature interpretation. The top 20 teams then moved onto the proposal round, where they created a 10-page grant proposal for implementation of a clinical pharmacy service in the area of cardiology with documentation of outcomes. As the winning team, OSU/OHSU College of Pharmacy will receive a team trophy and Peter, Katie, and Julia will each receive a cash prize and individual championship plaque. Additionally, they have been invited to present their submitted research proposal design as a poster at the 2016 ACCP Annual Meeting this October in Hollywood, Florida. College of Pharmacy professor and team advisor, **Dr. Adriane Irwin** said, "this is an exciting opportunity for our students because they get to learn the essential skill of how to justify the value of clinical pharmacy services. I believe that is what will be valuable knowledge as our students move further into their pharmacy education and develop as practitioners." Make sure to follow this story as we follow Peter, Katie, and Julia to Florida in the fall!



Peter Atkins ('19), Julia Zhukov ('18), Katie LaRue ('18) & Dr. Adriane Irwin

RITE AID INTERNSHIP AT CORPORATE HEADQUARTERS



Anna Krykun ('19), dual degree PharmD/MBA student, was one of 10 pharmacy students to spend the summer interning at Rite Aid's corporate headquarters. In Anna's words, "This opportunity gave me perspective in business and showed me the importance of having a strong understanding of business concepts." As part of the experience, Anna worked to improve community pharmacy internship programs. The project included a survey of local pharmacy interns regarding their exposure to clinical services, including Medication Therapy Management (MTM) and targeted interventions. The internship culminated with each intern presenting their projects to Rite Aid leadership and sharing what they learned from the experience. "The overarching theme of my project was shifting efforts from dispensing to providing more clinical services throughout the company," says Anna.

PHARMACY STUDENT EXPLORES THE PROFESSION INTERNATIONALLY



Courtney Holmes ('18) spent her summer working as an intern at a community pharmacy called Top Pill Pharmacy in Tema, Ghana as part of a student exchange program through the International Pharmaceutical Students' Federation (IPSF). "I chose Ghana for my exchange because I wanted to experience a culture and brand of pharmacy completely different from what I was used to," said Courtney. In the pharmacy, Courtney assisted with patient counseling, observing and interpreting rapid malaria tests, and counseling patients on blood pressure and BMI test results. She also spent time at Tema General Hospital in outpatient, inpatient, and diabetic care pharmacies. Courtney's international work experience gave her unique perspective into the international profession of pharmacy, and has allowed her to appreciate the vital role that pharmacists play in providing care to patients around the world.



Graduation

On June 10th, 2016, the Class of 2016 closed a chapter begun four short years ago when they were inducted into the profession and welcomed into the College of Pharmacy at their White Coat Ceremony. This momentous day, their graduation from OSU/OHSU College of Pharmacy, also marked the beginning of a new chapter as pharmacy professionals and colleagues.

During the ceremony, Class President Michele Wofford ('16) shared a thoughtful poem titled *So God Made a Pharmacist* inspired by Paul Harvey's poem, *So God Made a Farmer*. She reminded her classmates of their responsibility as pharmacists to serve their patients with compassion, clarity, and strength as they advance and move throughout the pharmacy profession. OSU President, **Dr. Edward Ray**, and OHSU Provost and Executive Vice President, **Dr. Jeanette Mladenovic**, also honored the graduates with heartfelt speeches. President Ray spoke about graduates entering the pharmacy profession as leaders and partners of a diverse health care team. Provost Mladenovic remarked on the unique role they, as pharmacists, take within health care organizations in providing effective patient care.

Ten exceptional graduates were recognized for their outstanding work over the last four years at this year's ceremony. **Drs. Mark Leid ('90) and Theresa Flitz** presented these graduates with eight awards for the work they have accomplished in the classroom, clinics, and community. These awardees are: **Asha Birmingham, Megan Carroll, Kayla Grzybowski, Brian Haggblom, Sarah Lindstrom, Franklin Phan, Jessica Tobias, and Amy Tzou.**



Photo Credit: Jim Carroll Photography



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This year, the College conferred 92 Doctor of Pharmacy degrees, 3 Doctors of Philosophy, and 2 Masters of Science. Additionally, 3 PharmD graduates were awarded their Master of Business Administration from the OSU College of Business. Notably, 82% of the 2016 graduates are resident Oregonians and 27 graduates will continue their professional development through postgraduate training in a pharmacy residency or fellowship. Additionally, 16 students continue working towards earning their Masters of Business Administration or other Masters degree.

Following the ceremony, graduates reunited with their friends and families outside LaSells Stewart Center for a dessert reception in celebration of their tremendous accomplishments.

Convocation

PharmD graduates participated in OHSU's inter-professional Convocation Ceremony on June 12th, 2016, following their participation in OSU/OHSU College of Pharmacy graduation ceremony. This event celebrates OHSU healthcare graduates, faculty, and administrators from the Schools of Dentistry, Medicine, and Nursing as well as the College of Pharmacy. After the ceremony, pharmacy graduates attended an OSU/OHSU College of Pharmacy reception while other programs conducted individual hooding ceremonies.

Following tradition, College of Pharmacy graduates received diplomas and were hooded at the graduation ceremony in Corvallis two days earlier. This event brings together health care professionals from the many health care disciplines and recognizes all of their outstanding accomplishments.



PROFESSIONAL DAY

The annual College of Pharmacy Professional Day event on April 16th, 2016 brought students together with alumni for advantageous networking and participation in an array of business events. This event is a unique opportunity for students to connect with pharmacists from various practice settings, allowing them to discuss the many opportunities available in the pharmacy profession.

The day kicked off with the Entrepreneurial Academy's presentation for the Business Case Competition, an event designed to put students in a mock business setting to deliver a pharmacy-related business presentation. Team members **Kelly Kovi ('18)**, **Mireille Rygnestad ('18)**, **Kayla Burnette ('18)**, **Cristina Heim ('19)**, and **Evan Lange ('19)** presented their case, entitled *ReadyRx, Bringing Healthcare to You*, to the panel of judges. The panel, made up of distinguished alumni and faculty, included **Dan Kennedy ('93)**, **Kevin Russell ('93)**, **Doug Butler ('88)**, and **Adriane Irwin**. Upon completion of the presentation, the judges gave helpful suggestions on how to improve the business plan.

Following the Business Case Competition, students were given the opportunity to ask questions during an interactive Discussion Panel, which included the judges, as well as pharmacists from a variety of fields within the profession. The panel members included **Dan Kennedy ('93)**, **Kevin Russell ('93)**, **Doug Butler ('88)**, **Adriane Irwin**, **Amber Barni**, **Steve**

Bass ('04), **Amy Burns ('11)**, **Steve Lam ('15)**, **Jared Okerson ('13)**, **Sital Patel**, and **Jessica Waletich-Flemming ('09)**.

The final event of the day, Quick Conversations, provided students and alumni with multiple 10 minute segments to converse about the profession of pharmacy. The Business Case Competition judges and the pharmacists that took part in the Discussion Panel spoke with groups of students, who rotated between the pharmacist presenters. The Quick Conversations event gives students the opportunity to explore the many pharmacy career options available through conversations with pharmacists from numerous backgrounds and professional areas within pharmacy practice.

The third annual Professional Day was hugely successful for all involved, and we invite you to join us for the fourth annual Professional Day on Saturday, May 13, 2017!



OSU/OHSU COLLEGE OF PHARMACY IMPACTING Oregon

OSU/OHSU College of Pharmacy students have a strong connection to communities across Oregon

15,000 people across the state of Oregon were directly served by our students at over **50 health service** events.

These events, hosted by the College of Pharmacy, served numerous cities, including Corvallis, Albany, Eugene, Portland, Jefferson, Newport, and Lincoln City. Students gained valuable hands-on healthcare experience, while simultaneously providing care that benefits Oregonians across the state.

The following are two examples of our students serving the community:

Beavers Diabetes Awareness Day



The third annual Beavers Diabetes Awareness Day took place on October 24th, 2015, before the OSU football game against Colorado. This health fair provides screenings and diabetes awareness education to fans at no cost. Pharmacy

students partnered with Novo Nordisk, Kaiser Permanente, the Juvenile Diabetes Research Foundation, Good Samaritan Health System, American Diabetes Association, Fred Meyer, and PacificSource. More than 300 blood pressure and blood glucose screenings were provided to participants and many more were educated on diabetes awareness. Retired Pittsburgh Steeler and Super Bowl champion **Kendall Simmons** spoke at the event and afterward he posed for pictures with fans. Simmons was diagnosed with Type 1 diabetes in 2003 and shared his inspiring story about living with diabetes and pursuing your goals in the face of adversity.

Health Care Equity Week



OSU/OHSU Pharmacy students participated in OHSU's Health Care Equity Week Health Fair on April 24, 2016, alongside students from the OHSU Medical,

Nursing, and Dentistry programs, as well as faculty and other volunteers. In the parking garage below Portland's O'Bryant Square, volunteers provided healthcare services to underserved populations in the Portland area. Students performed checkups and health exams, distributed personal hygiene items, and helped schedule follow-up appointments for patients. This event was the grand finale to OHSU's yearly Health Care Equity Week, a week of volunteer events and guest speakers geared toward raising awareness about issues within the US health care system. Participants also received a free meal in O'Bryant Square, through a partnership with the "Potluck in the Park" service.

OSU Colleges of Business and Pharmacy
Bringing Pharmacy and Business Together

Oregon State University
MBA

Now Offered in

2 TRACKS!
EXECUTIVE LEADERSHIP
OR BUSINESS ANALYTICS

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- ✦ **ACCELERATED:** The 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 at the Collaborative Life Sciences Building in Portland.
- ✦ **AFFORDABLE:** The MBA degree program qualifies for federal financial aid. Contact the Financial Aid Office for information.

HOW CAN AN MBA FOCUSED IN BUSINESS ANALYTICS OR EXECUTIVE LEADERSHIP LAUNCH YOUR CAREER?

In collaboration with the OSU College of Business, the College of Pharmacy is excited to offer specialized pharmacy MBA tracks in Executive Leadership and Business Analytics to our current students and alumni. Designed for aspiring leaders in the pharmacy profession, these programs provide current students with an opportunity to acquire their MBA, in conjunction with their Pharmacy degree. **The curriculum is designed for both busy PharmD students and working professionals, exclusively alumni and students of OSU/OHSU College of Pharmacy.** The PharmD/MBA Dual Degree program enables students to acquire knowledge and skills that increase their professional comprehension of business practices, executive leadership, finance, HR, and other aspects of business – empowering students to lead their organizations with confidence.

In addition to rigorous clinical coursework, the PharmD/MBA program provides our graduates with strong working knowledge of the business of pharmacy, expanding their abilities in many areas of the profession. From the small town rural community pharmacist, to the health care executive for a major retailer or healthcare provider, this degree can benefit any student who has a desire to work as a leader in their profession. Evening classes are provided in Portland at the Collaborative Life Sciences Building.



Kevin Russell ('93), member of the Samaritan Health management team, pursued his MBA in order to advance

his understanding and ability to lead on the business side of pharmacy. The OSU MBA program gave Kevin valuable skills in human resource management, finance, project management, and strategic planning. "I now feel like I can speak confidently on many business matters where I couldn't prior to getting my MBA," he says. Since earning his MBA, Kevin has also found that he benefits from his business credibility and is more effective in advocating for his ideas and proposals. In his words, "Being able to speak the language of business allows you to be a much stronger advocate for your department." By continually working to learn and improve himself, he is able to use his new skills to add value to his entire organization.



Sara Kelley ('13) is an Inpatient Operations Manager at Kaiser Permanente, where she oversees the day-to-day operations of her pharmacy. Her duties include management of Pyxis machines, sterile and non-sterile compounding and human resources. Sara is among a growing number of OSU/OHSU Pharmacy graduates to enter the profession with their MBA, which has helped her become a leader within Kaiser. Colleagues describe Sara as a leader with a talent for providing her team with clarity and direction in difficult situations. In Sarah's words, "I add value to my team because I am able to look at situations from a different angle, which I developed from attaining an MBA, which allows me to combine my perspective as a pharmacist with that of a business-minded individual."



ENTREPRENEURIAL ACADEMY

The 2015-2016 academic year kicked off with a group of dedicated alums and friends of the College coming to support the College of Pharmacy's Entrepreneurial Academy (EA) at the annual Fan Cave event, held at Reser Stadium. Guests enjoyed a presentation of the business plan that **Kayla Grzybowski ('16)**, **Kristin Kruskamp ('16)**, and **Eugenia Su ('16)** submitted for the national NCPA competition. This year's EA showcase event is scheduled for Saturday, September 17th, when the Beavers take on the Idaho State Bengals (See invitation below for more information on reserving tickets).



For the fifth year in a row, under the guidance of 2015-2016 EA President, **Kelly Kovl ('18)**, and committee leaders, **Josh Miller ('19)**, **Anthony Mattioda ('19)**, **Natasha Malik ('19)**, **Evan Lange ('19)**, **Mireille Rygnestad ('18)**, **Ken Duong ('18)** and **Yan Liu ('18)**, the College of Pharmacy's Entrepreneurial Academy (EA) hosted the "Battle of the Beats: A New Spin on Health" event (formerly Breakin' Down the MU). The first portion of the evening included health fair booths, providing educational insight into different aspects of health. An exciting element to this year's event included the musical portion of the evening. Attendees and judges voted for which among twelve DJ's "battled their beats" the best. The Battle of the Beats helps the EA raise funds to support the student activities and projects.



— OSU COLLEGE OF PHARMACY —

FAN CAVE

★ PRIVATE OSU END ZONE SUITE ★
★ SUPPORTING THE ENTREPRENEURIAL ACADEMY ★

OSU VS. IDAHO STATE

SATURDAY, SEPTEMBER 17TH

12PM PROGRAM / 2PM GAME

- ☆ View game in "Fan Cave" private suite
- ☆ Membership in *Beavers Leaders Club*
- ☆ Hosted dinner and refreshments
- ☆ Entrepreneurial Academy Showcase

Requested donation: \$150
(Ticket sales support OSU/OHSU College of
Pharmacy Entrepreneurial Academy)

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FOR RESERVATIONS: PAIGE.CLARK@OREGONSTATE.EDU

IF YOU ONLY COME TO ONE FOOTBALL GAME THIS SEASON, COME TO THIS ONE!

RECENT GRADUATE LEADERS GROUP JOIN TODAY!

Recent graduates from the College have joined to provide P1 students with guidance and support in navigating PharmD coursework, and assist them in the development of professional competencies that will launch them into their careers. The Recent Graduate Leaders (RGL) program pairs P1's with an alumni mentor who is a recent graduate of the OSU/OHSU pharmacy program and a current pharmacy professional. Mentors provide students with professional advice, help guide them through curriculum and teach skills on how to balance school and life. Mentors also encourage their students to participate in opportunities for professional development, which will help them develop skills to compliment the clinical knowledge and abilities learned in the classroom.

Our Recent Graduate Leadership council is made up of 5 recent alumni: Chair **Abby Floeter ('13)**, **Ben Kong ('12)**, **Pamela Levine ('12)**, **Sara Kelley ('13)**, and **Long Trinh ('14)**. Their zeal for this project stems from their appreciation of their own mentorship experiences, which led them to recognize the advantages that this program will provide our pharmacy students. Abby, a Clinical Oncology Pharmacist at OHSU, is confident that the skills she developed through extracurricular experiences in pharmacy school are what give her an edge in her career. In her words, "The experiences that had the most positive impact on my career were my involvement in leadership and extracurricular and

professional activities. Some of my most influential pharmacy experiences were outside of the classroom, at professional meetings and outreach events."

There are a variety of ways that mentors will assist their student throughout the year. "This could include helping them find summer internships, creating a curriculum vitae or a cover letter, discussing clinical questions and scenarios, and sharing about their residency experience," Ben, an oncology and research clinical pharmacist at OHSU, noted. The other mentor responsibilities include attending the White Coat Ceremony and sponsoring a white coat for their student. A mentor's experience as a pharmacy professional gives their students insight to what skills are valuable to develop during pharmacy school.

Long, an inpatient operations manager at OHSU, continues to benefit from the mentorships that he had in pharmacy school and is eager to give back through mentoring

for the Recent Graduate Leaders program. "Mentorship experiences during pharmacy school positively impacted my career. I am very happy to have the opportunity to pay it forward and mentor students of OSU/OHSU College of Pharmacy," he says.

If you are interested in becoming a mentor with the Recent Graduate Leaders program, please visit our website at pharmacy.oregonstate.edu/RGL



ALUMNI



Susan Poole ('69)

WOMEN IN PHARMACY

The annual OSU/OHSU College of Pharmacy Women in Pharmacy luncheon, held at the Historic Old School Café in Corvallis on May 13, 2016, provided the Women in Pharmacy group with an opportunity to network and discuss the group's current initiatives and goals. Students, recent graduates, working pharmacists and retirees gathered to discuss their decision to sponsor orange pharmacy license frames for our future OSU/OHSU graduates, with the intention of increasing visibility of our graduates throughout the pharmacy profession.

Mark your calendar for next year's luncheon, which takes place on Friday, May 12th, 2017, at 11:30am at the Collaborative Life Sciences Building in Portland. This is a great opportunity to visit the new building on Portland's waterfront and experience the collaborative environment our students share with OHSU Medical, Dental, and Nursing students first hand.



Reunion attendees gather in 305 to find their old seats



Reunion attendees take a look at old class pictures



Jill McClellan ('06) & Merrie Kay Alzola at APhA Reception



Alumni, Students & Friends of the College gather at OSPA Alumni Reception

ALUMNI EVENTS

HOMECOMING

The Classes of the "5's" returned to campus during Homecoming weekend on October 23-24, 2015 for reunions and activities celebrating University and College traditions with alumni, students and faculty.

The Class of '65 celebrated their 50-year reunion over dinner on Friday night. These graduates gathered with old friends and caught up on the last 50 years. The Class of '65 has done remarkable things that make us all proud to be Beavers.

On Saturday, the Classes of '75, '85, '95 and '05 had a reunion lunch social in the new Horizon Room of the Memorial Union. Reunion attendees, along with many other alumni, students, and faculty visited the Pharmacy Building for the annual Dean's Coffee where they were introduced to two-time Super Bowl Champion, **Kendall Simmons**, by alum **Cory Huot ('97)**.

Before the game our newest alumni, from the Classes of 2010-2015, attended the College of Pharmacy Young Alumni Tailgater.

OSPA RECEPTION

Alumni, students and friends of the College enjoyed a fun evening at the Alumni Reception held during OSPA Annual Convention on October 9th, 2015. Guests enjoyed sipping on their Beaver Crushes (the College's signature drink) while mingling and networking and several guests came away lucky winners of OSU and College of Pharmacy prizes and apparel during the raffle.

Join us for the 2016 Alumni Reception at OSPA at the Monarch Hotel in Portland on Friday, October 21.

APHA RECEPTION

In March, pharmacists from across the country traveled to Baltimore, MD for the 2016 APhA Annual Meeting. The College hosted a reception at Pratt Street Ale House, bringing together OSU/OHSU College of Pharmacy alumni, students and faculty. Attendees enjoyed appetizers and drinks while mixing and mingling with fellow Beavers.

Join us at the 2017 APhA Annual Meeting OSU/OHSU Reception in San Francisco!

2016 ICONS OF PHARMACY

Photo Credit: Chris Ho Photography

KIM BROUWER ('78)



Kim Brouwer ('78) developed an interest in pharmacokinetics and an academic career while at OSU. Kim joined the UNC Eshelman School of Pharmacy faculty in 1986 and is currently the Associate Dean for Research and Graduate Education there. During her years at UNC, Kim has been instrumental to numerous advances in pharmacokinetics research.

One of Kim's outstanding accomplishments is receiving NIH funding for her hepatic drug disposition research program for the past 25 years. Kim's talented research team has made major contributions to understanding how the liver handles medications and how to predict and prevent drug interactions and drug-induced liver injury. Kim co-invented the B-CLEAR® method, an in vitro hepatocyte system to assess hepatic uptake and biliary excretion, used in drug development. She is the co-founder of Qualyst Transporter Solutions, a UNC spin-off company that uses B-CLEAR® technology to provide safer medications to patients. Kim also currently serves as a member of the Board of Directors of the American Society for Clinical Pharmacology and Therapeutics.

CATHY LEW ('83)



Throughout her career **Cathy Lew ('83)** has been a pioneer in the pharmacy profession. Cathy led the way for pharmacist clinical practice in both in-patient and ambulatory care settings as one of the first satellite pharmacists in the ICU and a frontrunner in home infusion care. Cathy currently serves as a clinical pharmacist for Sacred Heart Home Infusion in Eugene and she compassionately serves patients in Hospice, Home Health and

Infusion Services – a patient centered and family focused practice.

Cathy's unparalleled leadership and tenacity in tackling Oregon's challenging issues has provided examples for other states to follow in areas including the Prescription Drug Monitoring Program and moving pseudoephedrine behind-the-counter. **Gov. Kitzhaber** appointed Cathy to the Oregon Board of Pharmacy in 2001 and she was elected to the NABP Executive Committee in 2007 to represent District 7 until 2012. Cathy has also served on Research Councils with the Oregon Board of Pharmacy and continues to actively engage on National Task Force issues and committees.

STEVE LOGAN ('80)



Steve Logan ('80), a leader in advancing the pharmacy profession, began his long and distinguished career at Kaiser Permanente as a Staff Pharmacist at Kaiser Sunnyside Medical Center, after working in several hospitals in the Portland area.

In Steve's current position as Executive Director of Pharmacy Services with Kaiser Foundation Health Plan of the Northwest, he led the charge in Kaiser achieving a Medicare 5 star rating for the past four consecutive years. He has also been integral in his company's achievement of JD Powers Top 10 for customer service in the ambulatory setting ('10 - '11), and JD Powers Top National Rating in customer service for Mail Order service ('09 - '11). Throughout his career, Steve has consistently striven to ensure excellent customer service and prioritized providing mentorship to students and young professionals, fostering future leaders in the pharmacy profession. Steve's passion for making a difference has earned him recognition as a leader in the industry. He is a member of ASHP and APHA.

RECENT GRAD SPOTLIGHTS

Icons 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-Harnsberger
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

2015

Shelton Louie ('78)
Kathy Hahn (Hon. '12)

2016

Kim Brouwer ('78)
Cathy Lew ('83)
Steve Logan ('80)

Icon Nominations: Paige Clark
Paige.Clark@oregonstate.edu



BEN KONG

An interest in science and medicine led **Ben Kong** ('13) to pursue a career in pharmacy. While working on his honors thesis research project with faculty member, **Dr. Taifo Mahmud, PhD**, he began to apply his Chemical Engineering major to patient care. "Through my undergraduate honors thesis, I discovered that I loved research, but I knew I wanted to apply that directly to a clinical setting," he says. Ben's passion for patient care prompted him to specialize in Oncology during his P4 rotation at OHSU, which inspired him to pursue a pharmacy practice residency with Providence Health Services and a pharmacogenetics residency at UF Health Shands Hospital in Florida. Ben is now an Oncology/Research Clinical Pharmacist at OHSU where he primarily does direct patient care in a clinical setting in addition to research and medication dispensing.



ABBY FLOETER

For **Abby Floeter** ('14), it was her interest in oncology pharmacy which started during her P4 rotation at Swedish Medical Center in Seattle and PGY1 oncology rotation at UCSF Medical Center and PGY2 oncology training at UW/SCCA that led her to a career as a Clinical Oncology Pharmacist at OHSU. Her team is focused on inpatient hematologic malignancies and bone marrow transplants. Abby says, "working with a multidisciplinary team to provide exceptional care to BMT/Hem patients, I participate in daily team rounds and review medication therapy, as well as counsel patients and precept learners." She believes that her training at OSU/OHSU College of Pharmacy, UCSF, and UW made it possible to achieve the career she enjoys today. The College equipped her with a strong foundation of knowledge and prepared her to excel in the changing landscape of clinical pharmacy practice. "While at OSU, I had many opportunities to get involved with professional organizations, develop leadership skills and benefit from excellent mentorship, which shaped my career and professional growth," she goes on to say, "As part of OSU's new Recent Graduate Leaders group, I look forward to paying it forward with incoming students!"

2016 OUTSTANDING YOUNG ALUMNI AWARDEE



ZACH MCCALL ('06)

Zach McCall ('06) has quickly distinguished himself as a remarkable young professional through his leadership and professional involvement. After achieving his PharmD, Zach completed an Ambulatory Care Residency with Providence Medical Group. Zach currently works for Legacy Health where he has overseen the expansion of ambulatory services from two pharmacists and no fewer than 30 outpatient clinics, to more than 20 FTE personnel providing pharmacy services in over 100 outpatient

clinics. Zach has a passion for education and played a key role in the implementation of Legacy's PGY2 Transitions of Care Residency program—one of the first of its kind in the nation. Zach is also a preceptor for 4th year pharmacy students on clinical rotations.

In addition to his clinical accomplishments, Zach has extensive professional engagement. He is a member of ASHP and OSHP and has served in many leadership roles and on several committees. Most recently, Zach has been named the 2016-2017 OSHP President.

YOUNG ALUMNI AWARDEES

2013

KRISTINA BUTLER ('96)

2014

JOSH BISHOP ('06)

2015

AMY VALDEZ ('99)

2016

ZACH MCCALL ('06)

ALUMNI UPDATES



Ann Zweber, RPh ('95), a Pharmacy Practice professor for OSU/OHSU College of Pharmacy, was recently awarded the 2015 OSPA Bowl of Hygeia. Recipients of this award devote their talents and resources through many local, state, and national associations. Specifically, Ann has practiced in many settings, including hospital, long-term care, home infusion and community pharmacy. She coordinates many of the pre-college activities and her areas of interest include pharmacist-guided self-care and culturally appropriate provision of pharmacy services.



Gary DeLander Completed Term as Chair of the Department of Pharmaceutical Sciences

Dr. Gary DeLander, PhD, RPh, concluded his tenure as the College's first Chair of the Department of Pharmaceutical Sciences. Dr. DeLander continues his administrative role as Executive

Associate Dean for the college, helping to lead the continual curricular development of the professional program. Dr. DeLander also recently became OSPA immediate past president.



Amy Valdez ('99) OSPA Pharmacist of the Year 2015

The 2015 recipient of the OSPA Pharmacist of the Year was our very own alum, **Amy Valdez, RPh ('99)**. The recipient of this award shows significant contributions to the advancement of the profession of pharmacy, the goals of OSPA, and the reputation of Oregon pharmacy.



Kevin Russell ('93) OSPA President-Elect

OSU/OHSU College of Pharmacy Alumnus, **Kevin Russell, RPh, MBA ('93)**, was elected President-Elect of Oregon State Pharmacy Association (OSPA) back in October 2015. He follows OSPA immediate past president, Gary DeLander, PhD, RPh, OSU College of Pharmacy Executive Associate Dean.



Kate James ('00) President of OBOP

OSU/OHSU College of Pharmacy Alumnus, **Kate James, RPh ('00)**, was appointed Oregon Board of Pharmacy (OBOP) President 2016-2017. She follows OBOP immediate past president, **Roberto Linares, ('91), RPh, OSU/OHSU College of Pharmacy Professor.**



PROMINENT ALUMNI AND COMMUNITY LEADER SERVES AMERICAN DIABETES ASSOCIATION AS BOARD CHAIRMAN

Robin Richardson ('84), Senior Vice President, Moda Health, serves as the 76th Chair of the American Diabetes Association (ADA) board. Under his leadership, Robin directed restructuring of the organization and led a nationwide search for their new CEO. As an executive with Moda, Robin oversees Medicaid and Pharmacy contracts, Legislative and Human Resource Initiatives and serves as chair of the Eastern Oregon Coordinated Care Organization Board of Directors.

The ADA estimates there to be 30 million Americans living with diabetes. Robin said, **“Everyone knows someone with diabetes, and if you can’t think of anyone, then you just don’t realize they have it. Diabetes is an epidemic.”** Oregon has an estimated 400,000 people living with diabetes. He discussed

these statistics as cause for vigorously pushing for increased awareness, better care and ultimately the discovery of a cure for this impactful disease.

Robin ensured that even during the organization’s massive restructuring, the American Diabetes Association stayed focused on its mission, *to prevent and cure diabetes and to improve the lives of all people affected by diabetes*. Robin began as a volunteer with the ADA 17 years ago and has served both locally and nationally on a variety of committees, including two terms as a member of the Board of Directors from 2008 to 2010 and again from 2014 to 2016. In that time, the organization has provided hundreds of millions of dollars to diabetes research, improving treatment standards and technology to provide patients with a higher quality of life, while continuing the search for a cure.

IN MEMORIAM

Milo Haas ('83), 2008 Icon of Pharmacy recipient, passed away on March 1st, 2016 at the age of 79. Milo spent 25 years of his career working at Providence Milwaukie Hospital as Pharmacy Manager, and later worked at Providence Home Infusion for 11 years as Pharmacy Manager. He served as a preceptor for many students during his career, many of whom have become pharmacy leaders themselves. It is with a heavy heart that we say farewell to this esteemed friend and Icon.

Dr. John TenPas ('68), of Arlington, Massachusetts, passed away on May 4, 2016 at the age of 71. He was born and raised in Oregon, where he attended Oregon State University and pursued a degree in pharmacy. Dr. TenPas graduated from Oregon State University in 1968, where he was a member of the Phi Kappa Phi Honor Society as well as Sigma Phi Epsilon fraternity. After completing his degree in pharmacy, John went on to achieve his Medical Degree from the University of Washington School of Medicine. John worked as a pharmacist while pursuing his MD before moving on to have a very successful career in medicine. We are proud of Dr. TenPas’s accomplishments, and we send our condolences.

Kathleen Kelly, beloved Oregon pharmacist, friend, and supporter of the OSU/OHSU College of Pharmacy passed away in February 2016. Kathleen will be remembered for her willingness to go above and beyond to serve the needs of our students by lending a helpful hand wherever she was needed. Many treasure her longtime dedication and friendship.



PENNY REHER ('82)

The OSU Alumni Association and the College of Pharmacy is pleased to congratulate pharmacy alumna, **Penny Reher, ('82)**, on her recognition as a 2015 Oregon State University Alumni Fellow. Penny is Chief Pharmacy Officer at Samaritan Health Services in Corvallis, Oregon and played a key role in the conception and development of the Samaritan Health System. She is currently serving her second term on the Oregon Board of Pharmacy, where she was President from 2013–2014. Additionally, Penny regularly returns to the College as a guest lecturer and to support student and professional events. In Penny’s words, “I came to Corvallis and OSU, fell in love with everything about it, and never left.”



DRUG USE RESEARCH MANAGEMENT PROGRAM AT OSU/OHSU

DID YOU KNOW...

The College of Pharmacy's Drug Use Research and Management (DURM) program is a division of the Oregon Health Authority's Medical Assistance Program. DURM is facilitated by a team of OSU College of Pharmacy faculty and staff, as well as several OSU alumni, including **Kathy Sentena ('98)**, **Ted Williams ('09)**, **Andrew Gibler ('07)**, and DURM fellow **Sarah Servid ('16)**. The mission of the organization is to encourage safe, effective, innovative, and financially sustainable policies through services related to drug use research and education. DURM's work directly influences the policies of the Oregon Health Plan, Oregon's Medicaid program, which serves as a point of reference for all health care providers in the state.

The responsibilities of DURM include administration of the Oregon Pharmacy and Therapeutics (P&T) Committee, an eleven-member volunteer advisory committee consisting of 5 physicians, 4 pharmacists, and 2 public representatives. This committee is entrusted with a number of key responsibilities,

including developing policy recommendations, **maintaining the Oregon Medicaid preferred drug list**, and evaluating claims data to assess the utilization, quality, cost and medical appropriateness of prescribed medications. The work the P&T Committee accomplishes in their public meetings has a tremendous impact on healthcare policy in Oregon.

On behalf of the P&T Committee, DURM staff publishes a monthly newsletter (pharmacy.oregonstate.edu/drug-policy/newsletters), which provides drug utilization reviews, drug and therapeutic guidelines reviews, and cost-effective prescribing recommendations to Medicaid providers and pharmacies throughout Oregon. This monthly publication is an important tool, which increases access and availability of the most up to date findings and recommendations of the DURM program.

To learn more about DURM please visit our website: pharmacy.oregonstate.edu/drug-policy

FACULTY SPEARHEADS PHARMACIST PRESCRIBING CERTIFICATION



Dr. Lorinda Anderson, PharmD, Pharmacy Practice Instructor, was recently asked to design and build a CE program to certify pharmacists to prescribe contraceptive birth control in the state of Oregon in an effort to increase Oregonians' access to prescription birth control therapies and to decrease unplanned pregnancy rates in the state. This program, initiated by **Representative Knute Buehler**, State Representative

from Bend, and supported by Governor Brown, required the Oregon Board of Pharmacy to gather experts to create the program. The Board requested OSU/OHSU College of Pharmacy to collaborate on and lead this project. The process for creating a Continuing Education (CE) program is complex and challenging; it is rare that a request for a pharmacy CE program to come directly from the State of Oregon. This historic project required cooperation and leadership across campus including work between

OSU/OHSU College of Pharmacy's CE Director, **Paige Clark** and OSU's **Melanie Mitchell**, who directs the university's Professional and Continuing Education (PACE) division.

The academic content development, led by Dr. Anderson, also features contributions from **Dr. Mark Leid, PhD** and **Dr. Adriane Irwin, PharmD** who both assisted in creation of educational material. Dr. Anderson worked extensively with women's care providers, including several physicians who guided the development of conceptual teaching of the "art" of prescribing, an innovation in pharmacy practice. The training, a 5-hour comprehensive online program which provides certification, contains instructional videos, a complete pharmacology overview and review, and supports the extensive patient evaluation structure developed by the legislatively mandated statewide advisory committee.

The program trains pharmacists to be confident and effective in prescribing hormonal birth control upon successful completion of the certification course. Certification also allows pharmacists to be credentialed by the state and other health care payers to prescribe.



LEAVING A LEGACY AT THIS YEAR'S 11TH ANNUAL APOTHECARY BALL

Photo Credit: Shelley Marie Photography



Take me to the Tropics

FOR THE 12TH ANNUAL COLLEGE OF PHARMACY

Apothecary Ball

MARCH 4, 2017 | 7PM - 11PM
AT THE COLLABORATIVE LIFE SCIENCES BUILDING

TICKETS ON SALE DECEMBER 1ST AT [PHARMACY.OREGONSTATE.EDU/APOBALL](http://pharmacy.oregonstate.edu/apoball)
ALL PROCEEDS BENEFIT STUDENT OUTREACHES & EDUCATIONAL ACTIVITIES

THANK YOU TO ALL OF THE LEGACY FAMILIES WHO WERE ABLE TO SUPPORT THIS YEAR'S 11TH ANNUAL APOTHECARY BALL! YOUR SUPPORT WAS INSTRUMENTAL IN EXCEEDING STUDENT FUNDRAISING GOALS.

WE LOOK FORWARD TO WELCOMING LEGACY FAMILIES, ALUMNI AND FRIENDS OF THE COLLEGE MARCH 4, 2017.

2016 LEGACY FAMILY SPONSORS

THE MARTIN FAMILY
THE ARMSTRONG FAMILY
THE DAHER FAMILY
THE STEWART FAMILY



COMMITTED TO ADVANCING PHARMACY?

.. SHARE YOUR STORY ..

By Dr. Gary DeLander, Executive Associate Dean



As we travel the state sharing with students about the profession of pharmacy and OSU, it is interesting that of the two, our profession is the unknown entity. Our profession has evolved dramatically and you enhance patient lives every day, but who knows this? **Share your story.**

We take great pride in an exceptional professional curriculum that is constantly evolving. Cutting edge capabilities and foundational strengths assure graduates will thrive in a profession that will continue to evolve throughout their career. Sound familiar? **Share your story.**

Excellence in practice and excellence in education begins with outstanding candidates.

Often candidates are unaware that health care is a team sport, that you change lives every day, and that, even in a competitive market, nearly 90% of our graduates have their first post-graduate position secured before graduation. **Share your story.**

The legacy of OSU alumni continues to make the College of Pharmacy a first choice program, but attracting the most qualified candidates to our profession requires you to **Share your story.**

1. *Share your enthusiasm for the profession and your alma mater.* OSU has a tradition of excellence, exemplified best in the successes of our alumni.
2. *Share the observation that there are always jobs for good people.* Emerging new roles and a 'maturing' workforce will support strong postgraduate placement.
3. *Connect potential students or their parents with OSU/ OHSU College of Pharmacy.* We understand the opportunities and challenges of professional education. Let us explain to great candidates how a career in pharmacy will change their lives.

Help us find the best and brightest students by sharing the story of pharmacy; past, present and especially future. In return, your future colleagues will have the knowledge, skills, values and attitudes required to continue to advance our profession and change patient's lives.

To read more from *Optimizing Professional Education in Pharmacy: Are the Ingredients as Important as the Recipe?* visit pharmacy.oregonstate.edu

DIRECTOR OF DEVELOPMENT'S MESSAGE

By Lori Jordan, Director of Development



Pharmacy is a tight knit community, and the mosaic of interconnected relationships is one of the things I enjoy most working on behalf of the College of Pharmacy. I nearly always share a common connection when meeting someone new in pharmacy – whether through their co-worker, former classmate, or colleague in a professional organization – the world of pharmacy is an extended family.

This year, the College received its largest philanthropic bequest ever from **Bob and Sharon McElroy**. This gift came through one of those special pharmacy interconnections. The McElroys met **John ('64) and Sue Ann ('67) Irving** more than a decade ago. Though the McElroys are not OSU alumni nor pharmacists, through their deep friendship with John and Sue Ann and the Irvings' close ties to OSU, the McElroys were welcomed into the Beaver family. Today the McElroys are intimately linked with the College and are often at College events. They have joined the Irvings in supporting the Pamela Ting Fund and have also started their own scholarship endowment. It has been a pleasure for Dean Zabriskie and I to grow close with the McElroys and to witness the great work they do with our students.



Bob & Sharon McElroy and Sue Ann & John Irving

It is a testament to the high quality of the College's alumni, leadership, faculty, staff, and students that donors like the McElroys are inspired to invest in the college to such a degree. The reputation of the College of Pharmacy is strong, and gifts like that of the McElroys serve to make it stronger. Please join me in thanking these generous partners for their investment in the College. I hope their vision for the future of the College will inspire you to consider how you can create your own legacy by supporting the students who are the future of pharmacy.

JOIN THE WORLD OF
ORANGE FOR A NIGHT OF
 HOSTED WINE TASTING & GARDEN GAMES!

OSU ALUMNI & FRIENDS RECEPTION
 AT THE OSPA ANNUAL CONVENTION
 NO CONVENTION REGISTRATION NECESSARY

Friday, October 21st
 5:30pm-7:30pm

Monarch Hotel
 Site of the 2016 OSPA Convention
 12566 SE 93rd Ave
 Clackamas, OR 97015



OSU COLLEGE OF PHARMACY REUNION ACTIVITIES

Welcome back class of 1956, 1966,
 1976, 1986, 1996, & 2006!

Reunion Activities Include

Reunion Dinner
 Friday October 28, 2016

Social & Dean's Coffee
 Saturday October 29, 2016
 Pharmacy Building

Football Game
 OSU vs. Washington State
 Saturday October 29, 2016
 Reser Stadium

Reunion Packages

Beavers Unite: \$50 per person
 Reunion Dinner, Social & Dean's Coffee

Beaver Believer: \$100 per person
 Reunion Dinner, Social & Dean's Coffee,
 and Tickets to game: OSU vs. Washington
 State (in Pharmacy reserved area)

Registration open now!

To RSVP contact Paige Clark
Paige.Clark@oregonstate.edu
 541-736-6607

CELEBRATE OSU HOMECOMING WITH OSU/OHSU COLLEGE OF PHARMACY

OCTOBER 28- 29TH

Reunion Activities!

1956, 1966, 1976, 1986, 1996, 2006
 Contact Paige Clark for more info:
Paige.Clark@oregonstate.edu

Young Alumni Tailgate

Private tailgate fun to re-connect
 with your classmates!

Dean's Coffee

Pharmacy Building for coffee
 Hosted by Dean Zabriskie

OSU vs. WASHINGTON STATE

TBA Kick-Off
 Homecoming Football game! Pharmacy
 group tickets available through college



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 BOEHRINGER-INGELHEIM, CVS CORPORATION, FRED MEYER CORPORATION,
 GENENTECH, NOVO NORDISK, RITE AID CORPORATION, SAMARITAN HEALTH SERVICES



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2016-2017 CALENDAR

SAVE THE DATE FOR THESE UPCOMING EVENTS!

- 9.17.16** **Pharmacy and Football Entrepreneurial Academy Showcase** in the Reser Stadium Fan Cave!
Support the Entrepreneurial Academy and cheer on the Beavs at this special event.
- 9.27.16** **White Coat Ceremony** at the CH2M Hill Alumni Center
Presentation of White Coats to incoming Class of 2020
- 10.11.16** **Scholarship Benefactors Reception** at Langdon Farms Golf Club
Student scholarship recipient and sponsor social
- 10.21.16** **Alumni Reception at OSPA Annual Convention** at Monarch Hotel
Wear orange and join us for our annual alumni reception
- 10.28-29.16** **Homecoming and Reunions** at Oregon State University
See Page 19 for details on College of Pharmacy events
- 3.04.17** **Apothecary Ball** at the Collaborative Life Sciences Building
Join us for an evening of music, food and fun organized by our students
- 5.12.17** **Women in Pharmacy Luncheon**
OSU Alumnae "Building the OSU Pharmacy Family Network"
- 5.13.17** **Professional Day**
Connecting OSU College of Pharmacy students and alumni
- 5.20.17** **Icons of Pharmacy** at Portland City Grill
Dinner and reception honoring the 2017 Icons of Pharmacy
- 6.16.17** **Graduation of PharmD, PhD and Masters Students** at LaSells Stewart Center
Graduation of PharmD and PhD students (6.4.1)

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