OUR MISSION
To advance human health through excellence in collaborative research, scholarship, and clinical education, and to develop outstanding health care professionals and scientists.

OUR VISION
To be a leader in advancing, promoting, and protecting human health.

TABLE OF CONTENTS
College News 4–9
Faculty News 5
Retirement 6
College Awards 7
Doctor of Pharmacy 10–13
Giving 14–18
Honor Roll of Donors 16–18
Student News 19–24
International Rotations 19
Commencement 2015 22
Ph.D. Pharmaceutical Sciences 24
Research 25–27
Faculty Research Spotlights 26
Alumni and Friends 28–31
Councils and Leadership 30

ON THE COVER
WSU student pharmacist Oliver Okoye, class of 2018, learns to provide direct patient care services that can be delivered under a collaborative drug therapy agreement.

Cover photo by Jacqueline Q. Garza, WSU Doctor of Pharmacy candidate, class of 2016.

COLLEGE QUICK FACTS

Employees
Staff: 46
Faculty: 76
Adjunct faculty: 157

Preceptors
(2014-2015 programmatic year)
Primary preceptors: 230
Ancillary preceptors: 650

Students
Ph.D.: 22
Doctor of Pharmacy: 494
Pharm.D./MBA: 1
Research Honors: 13

MESSAGE FROM THE DEAN

When I began my appointment as dean of the College of Pharmacy on August 1, 2010, I had—in words—a very simple directive from the provost’s office: “Fix research and graduate education in the College of Pharmacy.”

The logistics of how to achieve this directive, on the other hand, were not so simple. At the time, the college had approximately $3.6 million in research expenditures, fewer than 10 Ph.D. seeking students, and we were ranked about 60th nationally out of around 70 pharmacy programs with significant research and graduate education expectations (128 programs total). Further, WSU saw a 54 percent decrease in state funding from fiscal year 2009 to 2012.

The college was also facing some important initiatives that would need to be tackled very soon, including consolidating the college from two locations to one in Spokane, and preparing for its 2014 accreditation review.

Despite the challenges of this landscape, I saw great opportunity for the college and in 2010 made the commitment to WSU President Elson S. Floyd to do what was necessary to establish a top 10 pharmacy program by the year 2020. This goal has served as the beacon that guides every strategic decision I make as dean.
What it Takes to be on Top

A nationally top-ranked pharmacy program does more than just educate pharmacists. Pharmacy programs are evaluated for rankings based on both research productivity and reputation as an educational institution. Ultimately, activities surrounding research are the dominating factors.

While professional education (a.k.a., training pharmacists to be outstanding health care professionals) remains mission critical, investment in graduate education and research infrastructure needed to be made.

Expanding enrollment in the professional program aligned with our growth plan provides the profession with pharmacists who are prepared to care for patients in expanded roles that support the nation’s health care aims. To expand enrollment, we implemented new student recruitment strategies, including the partnership forged with the Pacific Northwest University of Health Sciences.

We also expanded the outreach function of our Alumni Relations and Advancement Office, and tapped into an invaluable alumni base to connect with students and serve as professional mentors.

During this same time period, the Washington state legislature made several key commitments to higher education in Spokane that allowed for the construction of the $78.6 million Pharmaceutical and Biomedical Sciences Building.

The new facility allowed for the perfect opportunity to finalize the consolidation of the college to WSU Health Sciences Spokane in November of 2013. The college added 16 new faculty to its ranks that year. These scholars, clinicians and educators added depth and breadth to a core group of faculty that for many years has been offering a professional program second to none.

Results and the Road Ahead

We have seen measurable success with the innovations of the professional pharmacy curriculum. The college was awarded reaccreditation by the Accreditation Council for Pharmacy Education (ACPE) in February 2015, for the maximum of eight years with no “black marks,” or areas of concern. In fact, ACPE has recommended that other pharmacy programs consult with WSU. The college has met or exceeded its enrollment targets for the last two years, while other schools nationally have fallen short.

For fiscal year 2015, research funding grew to $6.07 million and the WSU College of Pharmacy is ranked 21 in the country according to QS World University Rankings (138 programs total). I believe it is accurate to say the College of Pharmacy has set itself up well to achieve its 2020 goals.

I completed my initial five-year contract in August of 2015. My appointment has been extended by Interim Co-Provost Ron Mittelhammer, and I will now go through the WSU administrative faculty review process (standard five-year review).

The college has also launched an initiative to fund an endowed professorship in order to honor past, current and future deans of the WSU College of Pharmacy. The endowment will support current and future innovative projects to ensure the advancement of the pharmacy practice and the college’s continued rise as a top-tier pharmacy program. This initiative will be in the spotlight next year as the chief benefactor of the WSU College of Pharmacy 125th anniversary campaign.

I look forward to sharing more information with you about the events and activities that we have planned throughout 2016, but for now note your calendar for November 4-5, 2016, and please join us in Spokane for the college’s 125th birthday party. We certainly have some good reasons to celebrate.

Best wishes to all from the WSU College of Pharmacy,
Gary M. Pollack, Ph.D.
SPOKANE NEWS – WSU MEDICAL EDUCATION
By Gary Pollack

Two watershed events in the life cycle of Washington State University’s Health Sciences Spokane occurred this year.

On September 18, the WSU Board of Regents approved changing the name of the university’s College of Medical Sciences to the Elson S. Floyd College of Medicine. The naming of the college is a significant and lasting tribute to a president who had a significant and lasting impact on our university. Dr. Floyd is, and will continue to be, missed by many within WSU and around the state.

The second significant event was the naming of Dr. John Tomkowiak as founding dean of the Elson S. Floyd College of Medicine. Tomkowiak has expressed significant interest in interprofessional education, instructional innovation, and population-based research, areas in which the College of Pharmacy also has significant interests.

There is no denying the profoundly positive impact that a medical school has on the other health professions programs that surround it. The establishment of a college of medicine has unique importance to the university, to Eastern Washington, and to the College of Pharmacy.

SPOKANE HEALTH SCIENCES INTERPROFESSIONAL INITIATIVE

The WSU College of Pharmacy is partnering with the Colleges of Nursing and Medicine on an interprofessional education initiative funded this year with nearly $250,000 from Health and Human Services and the Substance Abuse and Mental Health Services Administration. The initiative is called the Screening, Brief Intervention and Referral to Treatment (SBIRT) Health Professions Student Training Program at the Spokane Teaching Health Center (STHC), and will integrate training for recognizing and treating substance use disorders into interprofessional training programs at WSU Health Sciences Spokane.

WSU COLLEGE OF PHARMACY ACCREDITATION RENEWED THROUGH 2023
By Lori Maricle

The Washington State University College of Pharmacy has been awarded reaccreditation for its Doctor of Pharmacy program through June 2023 from the Accreditation Council for Pharmacy Education (ACPE) effective February 5, 2015. The ACPE also endorsed the college’s extension of the Doctor of Pharmacy program to Yakima, Washington, which began in August 2015. The accreditation covers both Spokane and Yakima locations, but WSU will continue to provide updates to the ACPE after student pharmacists in Yakima complete their first year and the program continues to grow.

The College of Pharmacy was founded in 1891 and has been accredited since 1912.

ENGROSSED SUBSTITUTE SENATE BILL 5557
By Lori Maricle

The College of Pharmacy celebrated in May with colleagues from across the state as Governor Jay Inslee signed ESSB 5557 into law. The law, sponsored by Senator Linda Evans Parlette (WSU alumna class of 1968), goes into full effect by January 2017. It will allow pharmacists to apply to be included in the participating provider networks like all other health care providers.

“Engrossed Substitute Senate Bill 5557 is a very significant piece of legislation, the first in the nation that credentials pharmacists. As a registered pharmacist I am extremely proud that our profession will be recognized for all of its capabilities,” said Parlette.

Within the state of Washington, pharmacists can dispense medications and provide patient care, as allowed by their scope of practice. While commercial health plans recognized pharmacists for dispensing medications, they routinely refused to include pharmacists in their participating provider networks. ESSB 5557 requires commercial health plans to treat pharmacists as patient care providers, consistent with the Every Category of Provider law and the attorney general’s opinion statement released in 2013. This effectively closes a loophole commercial health plans used to deny patients’ access to pharmacist-provided care, and opens doors that will allow pharmacists to be integral members of the patient care team alongside the primary care provider.
NEW FACULTY

Christina Buchman, Department of Pharmacotherapy (Yakima), clinical assistant professor
Buchman has two doctoral degrees in biochemistry, immunology, hematology, bacteriology, virology, and parasitology, and a pharmacy degree from Paris V University, holds professional certifications in laboratory medicine (immunology, hematology, bacteriology, virology, and parasitology), and has two doctoral degrees in biochemistry.

Carl Mikota, Department of Pharmacotherapy (Yakima), clinical associate professor
Mikota has a Doctor of Pharmacy degree from the University of Illinois at Chicago, and is a registered pharmacist in Illinois and Washington. He holds certifications in pharmacy-based immunization, advanced cardiovascular life support, and pediatric advanced life support. Prior to WSU, he spent five years as a staff pharmacist at Little Company of Mary Hospital in Evergreen, Illinois, where he also served as a pharmacy preceptor. He will teach in the Doctor of Pharmacy program in Yakima.

Alyson Blum, Department of Pharmacotherapy, clinical assistant professor
Blum received her Doctor of Pharmacy degree from WSU. She then completed a one-year postgraduate specialty residency in obstetrics care. Blum will guest lecture across the Doctor of Pharmacy program, providing obstetrics expertise for many courses. She will instruct the online OB course that WSU offers to students as an elective and to health care practitioners for continuing education. In addition to teaching and research, Blum will serve as a faculty preceptor for student pharmacists on fourth-year elective rotations.

Jean-Baptiste Roullet, Experimental and Systems Pharmacology, clinical professor
Roullet studies autism and rare diseases caused by impaired cholesterol metabolism. He joins WSU from Oregon Health Sciences University (OHSU). He will continue his research and teach first and second-year student pharmacists in the Doctor of Pharmacy program. He received his pharmacy degree from Paris V University, holds professional certifications in laboratory medicine (immunology, hematology, bacteriology, virology, and parasitology), and has two doctoral degrees in biochemistry.

Carl Mikota, Department of Pharmacotherapy (Yakima), clinical associate professor
Mikota has a Doctor of Pharmacy degree from the University of Illinois at Chicago, and is a registered pharmacist in Illinois and Washington. He holds certifications in pharmacy-based immunization, advanced cardiovascular life support, and pediatric advanced life support. Prior to WSU, he spent five years as a staff pharmacist at Little Company of Mary Hospital in Evergreen, Illinois, where he also served as a pharmacy preceptor. He will teach in the Doctor of Pharmacy program in Yakima.

Christina Buchman, Department of Pharmacotherapy (Yakima), clinical assistant professor
Buchman earned her Doctor of Pharmacy degree from the University of Montana and has completed two yearlong postgraduate residencies in pharmacy practice at Oregon State University and in drug information at the University of Montana, respectively. She is a licensed pharmacist in Washington, Oregon and Montana. She also holds certifications in basic life support, adult immunization, aseptic technique, and teaching. She will teach in the Doctor of Pharmacy program in Yakima.

NEW ROLES

Danial Baker, Department of Pharmacotherapy, was appointed to a five-year term on the U.S. Pharmacopeial Convention’s Healthcare Quality Expert Committee. Baker was also appointed to serve on U.S. Pharmacopeial Convention’s Medicare Model Guidelines.

Kimberly McKeirnan, Department of Pharmacotherapy, was selected for the National Association of Chain Drug Stores (NACDS) Foundation Faculty Scholars program.

Joshua Neumiller, Department of Pharmacotherapy, was appointed to serve as the director for the Doctor of Pharmacy Office of Experiential Services.

Megan Willson, Department of Pharmacotherapy, was promoted to the rank of clinical associate professor. Willson joined the WSU faculty in 2007.

Jennifer Robinson, Department of Pharmacotherapy, was promoted to the rank of clinical associate professor. Robinson joined the WSU faculty in 2008, and has served as the director of student services for the Doctor of Pharmacy program since 2011.

PROMOTIONS

Jennifer Robinson, Department of Pharmacotherapy, was promoted to the rank of clinical associate professor. Robinson joined the WSU faculty in 2008, and has served as the director of student services for the Doctor of Pharmacy program since 2011.

Megan Willson, Department of Pharmacotherapy, was promoted to the rank of clinical associate professor. Willson joined the WSU faculty in 2007.
CANCER RESEARCHER RETIRES FROM WSU PHARMACY
By Lori Maricle

Pharmacy research leader Gary Meadows, Ph.D., retired this year from the WSU College of Pharmacy after 39 years of service, though his affiliation with WSU as an emeritus professor continues. His research has focused mainly on tumor biology and immunology.

He was the first WSU researcher to receive an investigator-initiated grant from the American Cancer Society. He studied alcohol’s effect on immune responses that influence tumor growth and metastasis. His validation of a model for administration of alcohol in research mice is referred to as the “Meadows Model of Alcohol Administration in Rodents.” He maintained continuous research funding from a variety of sources since 1979, and he received two research development awards from the National Institutes of Health.

Meadows was part of the group that founded the volunteer Comprehensive Cancer Control Partnership, now known as the Washington CARES About Cancer Partnership. He has been on two sabbaticals—as a visiting scientist at the Experimental Immunology Branch at the National Institutes of Health and as a professor at the University of British Columbia.

He helped establish the Department of Pharmaceutical Sciences at WSU and served four years as its first chair. He was director of the College of Pharmacy’s pharmacology/toxicology graduate program from 1992-96 and later served two years as associate dean for graduate education and scholarship. Upon his retirement in June, he held the position of Dorothy Otto Kennedy Distinguished Professor in Pharmaceutical Sciences.

He will continue to serve on committees for students who are in the WSU pharmacy graduate program, and continue on the advisory board in North Dakota for the IDeA Network of Biomedical Research Excellence (INBRE), an organization that supports undergraduate biomedical research.
TEACHERS OF THE YEAR (2014-15)
Teachers of the year are nominated and voted on by the student pharmacists in each class. Chosen teachers were PY1: Connie Remsberg, PY2: Kimberly McKeiman, PY3: Joshua Neumiller, and PY4: Brian Gates.

Preceptors supervise student pharmacists while they move through a series of six-week practice rotations that make up the final year of the Doctor of Pharmacy program.

WSU Pharmacy Preceptor Receives National Teaching Award
Pharmacy Manager Christopher Greer of Spokane was one of eight pharmacy preceptors nationally to receive the Master Preceptor Recognition from the American Association of Colleges of Pharmacy this year. Greer was nominated by his colleagues at the WSU College of Pharmacy and was selected for his humility, genuine care for people, integrity, passion for pharmacy, and servant leadership, which creates a learning environment where each student pharmacist receives teaching, coaching, and mentorship to become an outstanding health care professional.

Greer was also recognized this year as Washington State Health System Pharmacist of the Year by the Washington State Pharmacy Association. The award honors outstanding pharmacists and their service to the profession of pharmacy, specifically hospital pharmacy.

WSU Pharmacy Preceptor of the Year
Clinical Pharmacist Angelo Ballasiotes of Central Washington Comprehensive Mental Health in Yakima was named the 2015 Preceptor of the Year. The award is given annually to a WSU pharmacy preceptor for outstanding contributions to the educational development of future pharmacists by demonstrating high standards of professionalism, ethics, and clinical practice within the experiential training environment. Ballasiotes was selected for his consistent commitment to mentoring and empowering student pharmacists on rotation, and his continuous efforts to innovatively expand pharmacy services and care to patients at Central Washington Comprehensive Mental Health.

Past Recipients:
2014: Patrick O’Connor
2013: Donald Spedden
2012: Roger Yamaguchi
2011: John Landkammer
2010: Doug Crafton
2009: Brent Albertson

2008: Tom Stanley
2007: Warren Hall
2006: Chris Greer
2005: Rhonda Kerr
2004: Jennifer Edwards
2003: Ron Jennings

PHI LAMBDA SIGMA AWARD
Brian Gates, Department of Pharmacotherapy, was named an honorary member by the pharmacy leadership fraternity Phi Lambda Sigma, WSU chapter, for his service and dedication to helping student pharmacists develop their leadership skills.

2015 ANNUAL REPORT | 7

2015 ANNUAL REPORT | 7
Total Revenue: $16,263,541

- Endowment Earnings: $404,342
- Gifts (not grants): $646,871
- Grants & Contracts: $7,014,325
- Services: $391,203
- Overhead Returns: $747,229
- State Allocation & Tuition: $7,059,571

**Source:** aacp.org/resources

**RANKINGS**

Total NIH, Other Federal, and Non-Federal Principal Investigator Grants
(October 1–September 30)

<table>
<thead>
<tr>
<th>wsu Rank</th>
<th># of Ranked Colleges of Pharmacy</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY 2012</td>
<td>44</td>
</tr>
<tr>
<td></td>
<td>86</td>
</tr>
<tr>
<td>FY 2013</td>
<td>38</td>
</tr>
<tr>
<td></td>
<td>96</td>
</tr>
<tr>
<td>FY 2014</td>
<td>35</td>
</tr>
<tr>
<td></td>
<td>97</td>
</tr>
</tbody>
</table>

(source: aacp.org/resources)
DOCTOR OF PHARMACY PROGRAM UPHOLDING EXCELLENCE IN PROFESSIONAL EDUCATION
By Gary Pollack

The WSU College of Pharmacy has a long history of being committed to preparing pharmacists not only to enter the practice of pharmacy today, but to lead the changes in the practice of pharmacy that are certain to come tomorrow. The college’s accreditation review and the extension of the Doctor of Pharmacy (Pharm.D.) program to Yakima gave the college opportunities to assess the health care landscape across the nation and adjust the college’s professional education initiatives to better prepare our graduates to contribute to the health care solutions of today and tomorrow.

The initiative to extend the Pharm.D. program to Yakima supports the WSU land-grant mission to increase access to education and access to care across the state. The Pharm.D. program has a menu of programmatic options to support students’ professional goals including:
• A research-based honors program,
• The Pharm.D./Ph.D. program track within the College of Pharmacy,
• The Pharm.D./MBA program track with the WSU Carson College of Business.

Further, the college made the shift to competency-based assessment of student performance beginning in the fall of 2013. With the college’s competency-based (Honors-Satisfactory-Fail) grading model, in order to achieve the “satisfactory” designation, students must score at least 80 percent on assessments (the benchmark is higher for some content). If a student does not demonstrate competency on initial assessment, they are offered support through our student services office and encouraged to re-engage with the material and faculty, followed by a retest. If the student does not demonstrate competency a second time, the student is diverted into an extended learning experience. This assessment model is currently in the third year of a three-year transition and has led to a measurable increase in student retention and cohort performance.

Pharmacy students are most likely to fall behind between the fall and spring semesters of their first year. The national average “fall behind” rate for pharmacy education is about 10 percent, so about one in 10 students normally fall behind in their first year, nationally. Historically, the WSU College of Pharmacy had a slightly better-than-average rate of around seven percent. However, within the HSF grading model all student pharmacists have progressed through to the spring semester in their first year (“fall behind” rate equals zero percent) for the last two years running.

The next professional education initiative for the college is a shift to a comprehensive, active/collaborative curricular delivery model. This initiative places WSU among the most progressive pharmacy programs in the country and aligns with our commitment to the best possible educational experience for all students.
FIRST PROFESSIONAL YEAR (PY1) PHARMACY EDUCATION EXTENDS TO YAKIMA
By Stuart Muller

This fall, in partnership with Pacific Northwest University (PNWU) of Health Sciences, the WSU College of Pharmacy successfully launched an extension of our Doctor of Pharmacy program in Yakima. PNWU provides us with cutting edge classrooms, and 2015 marked the formal opening of our new pharmacy laboratory. The renovated space includes a model pharmacy, three counseling suites for patient care simulations, a clean room for practicing parenteral compounding techniques in two laminar flow hoods, and a large central laboratory for compounding and parenterals labs. There are three new WSU teaching faculty already in Yakima, and four more planned to join them over the next two years. Our recruitment team enrolled 30 outstanding students to pioneer the site, and these self-described “pharmaneers” are now helping us to reimagine what pharmacy education at a partner location looks like.

CLASS OF 2019 (PY1) INCOMING CLASS STATS:

Total Students: 152
Spokane: 122
Yakima: 30
Male: 89
Female: 63
Average Age: 23
Average GPA: 3.3-3.4

Good to Know

Competency: The ability to do something successfully or efficiently. According to the Accreditation Council for Pharmacy Education, graduating pharmacists are expected to demonstrate competency in the following categories:

Foundational Knowledge
Essentials for Practice and Care
Approach to Practice and Care
Personal & Professional Development

Active Learning: A model of instruction whereby students participate in activities that facilitate a high level of engagement to maximize knowledge transfer and retention.

Introductory materials are provided to students as pre-class content (short videos, readings, worksheets, etc.), and in-class time is dedicated to collaborative and participatory learning activities facilitated by faculty. Active learning is known to promote better retention, engage higher-level learning, and support personal and professional development.
CLASS OF 2018 (PY2)  
MASTERY OF THEORETICAL BACKGROUND AND APPLICATION

The second professional year focuses on theoretical background and application of pharmacy practice, including mastery of skills required to provide clinical pharmacy services. Student pharmacists engage in increased peer-to-peer role play which includes faculty-led feedback and discussion. Key concepts include sterile and complex compounding, patient assessment and documentation skills, principles of designing effective drug regimens, understanding of drug discovery and development, and ethical and professional aspects of health care delivery.

WSU dedicates itself to developing outstanding health care professionals through providing business management, leadership, and professional advocacy opportunities, as well as upholding the highest standards in patient safety, quality assurance, medication error avoidance, and risk management.

PY2 STUDENT ACHIEVEMENT

**Kiranjot Brar** was a co-author on the research poster, “Immune cell responses to combined treatment of murine melanoma with ALT-803 and Sunitinib in normal and chronic alcohol consuming mice,” presented at the American Association of Immunologist meeting in New Orleans.

**Karl Nacalaban** was elected student body vice president by the Associated Students of WSU Spokane (ASWSUS) for 2015-16.
Jeff Crouch received the 2015 Outstanding Student Member Award from the National Community Pharmacists Association (NCPA) Foundation.

Derek Matlock was selected as one of fourteen student pharmacists from across the U.S. to participate in the 2015 Live Oak Pharmacy Student Program, a week long intensive business training for student pharmacists who want to become pharmacy owners.

Pierce Robledo was elected president of the Associated Students of WSU Spokane (ASWSUS) for 2015-16. Current ASWSUS President Jared Kavanaugh was elected to the student body senate for 2015-16.

Kim Paulsen was selected to serve a two-year term on the NCPA Student Leadership Council.

Class of 2017 (PY3) Empowering Interdisciplinary and Interprofessional Team Collaboration

The third professional year integrates an interprofessional emphasis on health care teams into pharmaceutical care to achieve positive health outcomes for individuals, communities and populations. Student pharmacists practice converting patient assessment and evaluation into action through recommendation or emergency intervention. We use advanced, high-fidelity technology to engage students in authentic practice situations utilizing human patient simulation and interdisciplinarian teams. Key concepts include the use of medications in the prevention, mitigation or cure of disease, special therapeutic needs of unique populations, and advanced medication therapy management for complex patients.

WSU student pharmacists must demonstrate understanding of legal and ethical pharmacy practice including licensing, patient privacy protection, and regulatory affairs.
CLASS OF 2016 (PY4)  
ADVANCED PHARMACY PRACTICE EXPERIENCES (APPE)  

In the final year of pharmacy school (PY4), students complete six pharmacy practice rotations based in one of eight geographic locations. A seventh rotation is optional. A significant portion of the fourth year focuses on a way of thinking: a process of integrating, applying, recognizing, and arriving at decisions that are equally—if not more—important than remembering specific facts. Student pharmacists participate in the care of real patients under the supervision of a preceptor.

Total students assigned per APPE geographic location:

<table>
<thead>
<tr>
<th>Class of 2015</th>
<th>Class of 2016</th>
<th>Class of 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Olympia: 2</td>
<td>Olympia: 12</td>
<td>Olympia: 12</td>
</tr>
<tr>
<td>Pullman: 3</td>
<td>Pullman: 6</td>
<td>Pullman: 3</td>
</tr>
<tr>
<td>Spokane: 50</td>
<td>Spokane: 55</td>
<td>Spokane: 45</td>
</tr>
<tr>
<td>Tacoma: 8</td>
<td>Tacoma: 10</td>
<td>Tacoma: 5</td>
</tr>
<tr>
<td>Tri-Cities: 3</td>
<td>Tri-Cities: 7</td>
<td>Tri-Cities: 3</td>
</tr>
<tr>
<td>Vancouver: 0</td>
<td>Vancouver: 0</td>
<td>Vancouver: 3</td>
</tr>
<tr>
<td>Wenatchee: 2</td>
<td>Wenatchee: 3</td>
<td>Wenatchee: 0</td>
</tr>
<tr>
<td>Yakima: 15</td>
<td>Yakima: 21</td>
<td>Yakima: 20</td>
</tr>
</tbody>
</table>

86% of students report: “At this site I was able to collaborate with other health care professionals when/if necessary.”
THE IMPACT OF SCHOLARSHIPS
By Kelly Sylvester
Many of the financial donations to the College of Pharmacy during the $1 billion Campaign for Washington State University were in support of student scholarships. These contributions have made it possible for the college to select over 180 student pharmacists to receive over $330,000 in scholarships this past year. In fact, every student pharmacist who applied and met our qualifications received at least $1,200 in scholarship support.

Scholarships are not just about money, they are a vote of confidence in our students’ abilities and their chosen profession. Here are some examples of what scholarships mean to our students:

“Finding out that I was selected for a scholarship made me not only excited, but I felt great honor in you choosing me. I sincerely appreciate your support for my next great adventure into pharmacy school. I want to thank you from the bottom of my heart for this great gift you have given me. I hope one day that I will be able to start my own scholarship to give students like me a great opportunity.”
—Janae Rame, class of 2019:
Margit Garthe Harrison Memorial Scholarship

“It means a lot to me that you are willing to invest in me as a future pharmacist and in my future goals. My motivation for pursuing pharmacy as a career is because I lost my own father when I was little. There is sometimes a lack of quality in health care in Vietnam. As a result, when my father passed away from malaria, I knew I wanted to do something in the health care profession. As a pharmacist, I hope to work with the Vietnamese community to improve their overall health and hopefully travel to Vietnam one day to help people in need of better health care. Thank you for this great opportunity and support that you are giving me.”
—Jessica Marrs, class of 2017:
Mabel E. Bement Scholarship

“It is difficult for words to express how honored I feel to be recognized as a future pharmacy owner by a company that works with so many other brilliant minds in hospitals, independent pharmacies, ambulatory clinics, and much more. This award is not only a big aid to help launch my career, but a powerful motivator and confidence booster.”
—Patrick Stolz, class of 2016:
Cardinal Health Corporation Scholarship

THANK YOU TO ALL OUR ALUMNI AND FRIENDS WHO CONTINUE TO SUPPORT OUR COLLEGE AND OUR OUTSTANDING STUDENT PHARMACISTS.

Cougars are notoriously generous when it comes to mentoring, precepting, and volunteering with the next generation of WSU student pharmacists. The WSU College of Pharmacy has also seen a year-over-year increase in our total number of annual donors. Over the last four years our donor base has grown 10 percent, and the college has seen a higher alumni participation rate than any other unit within Washington State University.

A BILLION REASONS TO CELEBRATE!
$1,065,091,919 (to be exact)
Thanks to generous donors, we celebrate the success of WSU’s largest fundraising effort—the $1 billion Campaign for Washington State University: Because the World Needs Big Ideas.

TOTAL RAISED FOR THE COLLEGE OF PHARMACY: $19 MILLION
campaign.wsu.edu

ALUMNI/STUDENT MENTOR PROGRAM
The last two years we have been able to match every incoming student with a mentor!
Learn more at bit.ly/wsupharmacymentors

Supported by:
Fred Meyer Pharmacy
NEW ENDOWMENTS IN 2015

Endowments are important because the principal sum generates interest that is spent according to the donor’s gift use agreement. Most of the college’s endowments are for student scholarships. Others support professorships, research, lectureships, as well as expenses associated with scholarly work.

Endowments created in 2015:
• WSU College of Pharmacy Class of 1965 Endowed Scholarship in Pharmacy
• WSU College of Pharmacy Dean's Endowed Professorship (endowment pending)

NEW SCHOLARSHIPS IN 2015
• RX Pharmacies Plus Scholarship (Corporate)
• Suellyn Olson Memorial Scholarship

FLEXIBLE ENDOWMENTS

Establishing an endowed scholarship requires a minimum principal sum of $25,000. For those who want to invest over time instead of one lump sum, a flexible endowment is a great solution, plus you are able to create this lasting scholarship fund while seeing students benefit now. Please contact the Advancement and Alumni Relations Office for more information on creating a flexible endowment: gocougs@pharmacy.wsu.edu or 509-368-6675.

NEW BENEFACTORS
By Lori Maricle

Benefactors are those who have reached the cumulative giving milestone of $100,000 or more to the College of Pharmacy. This year Gerald Briggs, class of 1968, was recognized as our newest benefactor. Briggs has been a longtime contributor to WSU and has been instrumental in the establishment of a course in obstetrics pharmacy, which is offered through the college online as either an elective or continuing education. Briggs personally funded a one-year OB pharmacy residency with the goal to demonstrate the value of a pharmacist on the OB team and develop a “best practice” model of care that can be duplicated in other hospitals. That pharmacy resident, Dr. Alyson Blum, was hired this year by the College of Pharmacy into a faculty appointment also supported by Briggs. As a clinical assistant professor, Blum is inserting pregnancy topics into many WSU Doctor of Pharmacy courses. Eventually, she will take over as Instructor of Record for the online OB course.

DISEASES, COMPLICATIONS, & DRUG THERAPY IN OBSTETRICS

ONLINE COURSE AVAILABLE THROUGH THE WSU COLLEGE OF PHARMACY

LEARN MORE AT PHARMACY.WSU.EDU/ONLINE
With sincere thanks to our donors who generously contributed to the college between July 1, 2014, and June 30, 2015.

Laureates
Lifetime gifts of $1 million or more
Rick ’71 and Jacqueline ’72 Doane
Eli Lilly & Company Foundation
†Charles Harrison ’44
†Margit Harrison ’40

Crimson Benefactor
Lifetime gifts of $500,000 to $999,999
Walgreen Company

Benefactors
Lifetime gifts of $100,000 to $499,999
Albertsons, Inc.
†Carolyn Backstrom ’34
†Allan Bell ’33
David Bell ’76
Bi-Mart Membership Discount Store
Boehringer Ingelheim Pharmaceuticals, Inc.
Boeing Co.
Gerald Briggs ’68
Roger ’68 and Jane ’68 Bugbee
Cardinal Health, Inc.
Clintec Nutrition
Gerald A. Danquist ’65
†Louise Darden ’18
Larry Dixon ’64

†Carol Doane
†Ronald Doane ’50
†Morris Ewell ’31
†Viola Ewell
J. Roberts ’59 and Marcia Fosberg
Walter and Hazel Hinman Foundation
Gasper and Irene Lazzara Charitable Foundation
†Evelyn Hart
†R. Franklin Hart ’27
Immunex Corp.
†Marion Johnson
†Orville Johnson ’39
Lucille Y. Jones Estate
†Mary Jones
†Maynard Jones ’50
†Dorothy Otto Kennedy ’16
Duff and Sharon Kennedy
Gasper and Irene Lazzara
Lifescan, Inc.
Christopher ’64 and Susan ’64 Marker
Merck & Company, Inc.
†Sue Mullen ’27
†George Norin ’34
†Iola Norin
John ’65 and Deborah Ottebro
†Muriel Peach
†R. Chester Peach ’40
Pfizer, Inc.
†Bert Porter ’50
Providence Health and Services Headquarters
Walgreen Company
Washington State Pharmacy Foundation

Silver President’s Associates
Annual gifts of $5,000 to $9,999
Cardinal Health, Inc.
Rick ’71 and Jacqueline ’72 Doane
Robert ’57 and Judith ’57 Higgins
Walter and Hazel Hinman Foundation
John ’65 and Deborah Ottebro
Roger and Faith Patterson
Gary M. Pollack
Pharmacy Consultant Services, Inc.
Stanley M. Reinhaus Family Foundation
Robert and Ruthe Riddler
Rite Aid Corporation
John Walker and Jill ’87 Kerrick Walker
Whatcom Pharmacists Association

President’s Associates
Annual gifts of $2,500 to $4,999
Danial ’78 and Susan Baker
Bartell Drug Company
William Bethmann ’50
Robert and Brenda ’83 Bray
CVS Caremark
William ’69 and Felcia ’73 Gaskins
Greater Tacoma Community Foundation

Platinum President’s Associates
Annual gifts of $50,000 or more
Gerald Briggs ’68
Ronald ’76 and Carolyn ’79 Schleif
Spokane Teachers Credit Union

Crimson President’s Associates
Annual gifts of $10,000 to $49,999
Albertsons Companies Inc.
David Bell ’76
Bi-Mart Corporation
Gerald Danquist ’65
Fred Meyer, Inc.
Jon ’93 and Gretchen ’94 Jones
Lucille Y. Jones Estate
Bert Porter ’50
Providence Health and Services Headquarters
Walgreen Company
Washington State Pharmacy Foundation

Silver President’s Associates
Annual gifts of $5,000 to $9,999
Cardinal Health, Inc.
Rick ’71 and Jacqueline ’72 Doane
Robert ’57 and Judith ’57 Higgins
Walter and Hazel Hinman Foundation
John ’65 and Deborah Ottebro
Roger and Faith Patterson
Gary M. Pollack
Pharmacy Consultant Services, Inc.
Stanley M. Reinhaus Family Foundation
Robert and Ruthe Riddler
Rite Aid Corporation
John Walker and Jill ’87 Kerrick Walker
Whatcom Pharmacists Association

Bryan Society
Annual gifts of $1,000 to $2,499
Kerry ’77 and Constance ’77 Bachman
Jay ’77 and Tamara Becker
Burton Berringer ’66
Paul and Susan Bombardt
Mary Brim ’07
Robert ’08 and Crystal ’10 Bryan
Roger ’68 and Jane ’68 Bugbee
Roger A. and Jane L. Bugbee Unitrust
Edward Cooney ’55
Margaret L. Doane
William and Sharon Fassett
James ’95 and Anne-Lenora ’02 Henriksen
Lynn ’81 and Alison ’84 Johnston
Jon ’93 and Gretchen ’94 Jones
Todd Kolb ’97
†Robert Larson ’57
Laurence ’66 and Diane Martin
Fred ’71 and Patricia McGinnis
Elizabeth Sue Merk ’76
Marlene Moser
NACDS Foundation
Owl Pharmacies, Inc.
Mary Paine
Stanley ’76 and Linda ’78 Peterson
Donald ’77 and Karalee Porter
Raymond and Linda Quock
Vicky Rhodes ’76
Steve Riddle ’84
Marshall ’57 and Joyce Roberts
Shopko Stores, LLC
Sunstar Americas, Inc.
Thomas ’85 and Garnette Sutherland
Wal-Mart Foundation
Charles and Gail Whitley

Arthur ’51 and Norma Griff
Kroger/Quality Food Center Pharmacy
Russell ’50 and Flora Leonard
Grant ’73 and Linda ’78 MacLean
Earl and Barbara McIntosh
William ’81 and Margot Mich
Rosauers Supermarkets, Inc.
Safeway, Inc.
Viora Lea Strait ’45
John ’68 and Claudia Swenson
Stephen ’83 and Lisa ’83 Woodard
†Lyle ’51 and Carol Woolf
David ‘69 and Ann ‘78 Widen
Scott and Tonee Williams
David and Alta Dee Willms

Tower Club
Annual gifts of $500 to $999
Robert ‘79 and Deborah ‘79 Askins
Robert and Carol Bement
Garry ‘76 and Lucy ‘75 Brown
Stanley ‘64 and Sharon Bye
Manpreet Chahal ‘08, ‘10
Robert ‘62 and Patricia Corless
W. Don Cornwell
David ‘87 and Elizabeth ‘86 Crouthamel
David ‘86 and Wendy Doane
Kenneth ‘75 and Barbara Doane
Keith ‘82 and Janene Heino
Hugh Irwin ‘79
Brady ‘92 and Tammy Jens
Kathleen Jinks ‘82
Jerry and Anne John
H. William Kelly ‘73
Sarah Stebbins Kohler
Robert ‘51 and Clara Lee
Carl and Doris ‘70 Lippert
Thomas and Bonny Menighan
Russell ‘77 and Penny Myers
Susan Nicholson ‘96
Claire Norris
Pharmacists Mutual
Terry and Erica Posner
Earle and Valerie Presten
Donald ‘75 and Susan ‘82 Seely
Washington State Pharmacy Association

Sustaining
Annual gifts up to $499
Terry Abeyta
Joshua ‘07 and Megan Akers
Matthew and Julie ‘00 Akers
Regina Ahi ‘06
Mark ‘71 and Joanne Anderson
Patrick and Colleen ‘79 Andreotti
Ralph Arney ‘67
Brian Auer ‘84
John ‘75 and Karen Baken
Gordon Baldwin ‘78
Michael ‘70 and Catherine ‘70 Ball
Bruce and Sue Barnes
William ‘63 and Barbara ‘82 Bates
Rosemarie Beasley
David Lee Bell ‘77
Genevieve Bennett ‘86
Madison Block ‘16
Janice Bohrmann
Lucinda Bordner
Michael ‘76 and Shirley Anne ‘75 Brady
Damianne Brand-Eubanks ‘07
Danielle Britt ‘07
Michael and Kathryn ‘85 Brown
Joy Buchoitz
La Lee Burill ‘62
John and Terry ‘87 Burt
Caffe Alfogato
Douglas Tuman ‘93 and Angela Campbell
Neil and Beverly ‘60 Campbell
R. Keith Campbell ‘64
Carolyn’s Cake Decorating
Mary Carpenter ‘74
Jerel ‘74 and Britt Chalmers
Howard Chamberlin ‘70
Charles Chase ‘66
James ‘80 and Tamara Chippis
David ‘59 and Vivian Churness
Arlo and Janice ‘84 Clark
Mark Coburn ‘75
Alfred ‘58 and Shirley Cole
Thomas ‘80 and Renee Colleran
David ‘71 and Deborah Cox
Creekside Dental
David ‘62 and Susan ‘73 Crossland
William ‘80 and Susan Culp
Donald ‘70 and Christine ‘69 DeChenne
Donald ‘87 and Jennifer ‘89 Delzer
Stephanie Demmer ‘10
Stephen ‘77 and Linda Dibble
Donna Docktor
Nancy Dunn ‘84
Mary Eakin
Dennis and Nancy Eckhart
Monte and Sue Elder
James ‘65 and Susan ‘64 Els
Craig Emery ‘79
Judy Emery
Randal and Harriet Evans
Joseph ‘78 and April ‘73 Faires
Michelle Fehrnstrom ‘15
Steve and Kimberlee ‘82 Fijalka
+Margaret Fox ‘52
Robert and Gail ‘64 Freese
Brian ‘99 and Naomi ‘00 Gates
John ‘68 and Jacqui Gay
Everett ‘56 and Dolores ‘57 Gibbons
Gene ‘75 and Lisa Gibson
George Gilbertson ‘50
Roger ‘71 and Joed Glaser
Gary ‘84 and Lorrie Glennie
David and Jan Glock
Ryan ‘93 and Connie ‘91 Glover
Paul and Amanda ‘03 Goyke
Christopher Greer ‘91
Todd and Michelle ‘94 Greer
Kenneth ‘58 and Frances Grillo
Kenneth ‘76 and Vickie Gudgel
Richard and Mary ‘79 Gumaer
Arthur ‘70 and Sharon Gurtel
Stanley ‘76 and Dawn Halvorsen
Kay Hammarstedt ‘41
Kathleen Handstad ‘80
Joyce Harbison
Cheryl Harrelson
Brian ‘79 and Lorene Harris
Devonne Hill ‘08
Donald ‘84 and Katherine Hilley
David and Peggi Hinz
Donald ‘56 and June Hobbs
Dennis ‘80 and Cristell Hoover
Marvin ‘81 and Sally Huff
Dan and Barbara Hutchinson
Hedayatullah ‘99 and Masooma Jalalyar
Doug and Karen ‘87 Johns
Donald ‘82 and Robyn Johnson
+Ruth Johnson ‘48
Shane ‘13 and Cammi ‘13 Johnson
Joie de Vivre Clothing
KT Tape
Kappa Psi Pharmaceutical Fraternity
David ‘78 and Marjorie Kayner
Josephine Kee
Mark and Tari ‘75 Kelsey
Kathryn Key ‘88
Ann Knudson ‘88
Garrett Kobayashi ‘16
+Gerald ‘51 and Ruth ‘55 Korte
Keith ‘71 and Trudy ‘70 Kramer
Scott and Amy ‘85 Krauss
Mary LeFebvre
Mike and Patricia ‘77 Leistritz
Thomas and Julie ‘81 Lennon
David and Kathleen Leonard
Russell and Flora Leonard
Bobbie Long ‘04
Janis Lucke
Michael and Teresa Lund
Lori Maricle and James Hanlon
Jennifer Martin
Randal ‘89 and Nancy ‘92 Martin
Russell and Nancy Mazzola
Daphne McBreen ‘74
Peggy McBride
Dennis and Carolyn McCanna
Roger and Kathleen McClellan
Megan McIntyre
Ronald McKittrick ‘59
Douglas McNamur ‘97
Barry and Connie McNeill
Suzanne Metcalf ‘60
Brandon ‘02 and Anh Mitsuda
Marjorie Moar
Gregory ‘71 and Margaret ‘70 Moeller
Byong ‘69 and Sue Moon
Laverne ‘58 and Bernice Moore
Matthew ‘94 and Carla Morey
Mylan, Inc.
Herbert Nagata ‘72
Melvin ‘70 and Pamela ‘70 Nebelsieck
Donald and Diane ‘68 Neet
Royce and Laurie ‘75 Nelson
Aaron and Emmylou ‘00 Newell
Nhuong ‘92 and Cam-Tu Nguyen
Warren Nicely ‘74
John ‘86 and Stephanie ‘87 Nomellini
David Norton ‘83
N.A.M. Atiqr Rahma ‘88 and Nasima Nusrat
Patrick ‘95 and Lisa ‘95 O’Connor
David and Peggy Odereg
Mary Odne ‘75
Davidson Okpuppara ‘99
Gustav and Kate ‘09 Olsen
Robin Olson

2015 ANNUAL REPORT | 17
Jon and Karla ’78 Oravetz
Henry Oshiro ’61
Russell and Barbara Pagano
Shannon Panther ’05
Paul ’76 and Linda Parkin
Daniel and Connie ’81 Paslay
Beverly Patterson ’51
Daniel Pederson and Jeanine ’76
Gary and Geraldine ’75 Picha
Charles Quaglieri ’06
Philip Quast ’71
Nancy Reichley
Harry ’55 and Leslie ’53 Rendle
David ’65 and Mary Repp
David and Janet ’81 Reynolds
Daniel Reidt ’04
Matthew Rhea ’10
Patricia Rieken
Dale ’66 and Mary Ann ’66 Robinson
Walter and Jodell ’69 Rockenstein
Lori Ruff
Joe ’92 and Melissa Samek
Steven ’77 and Tara Saxe
Kurt Schanzenbach ’76
Robert ’66 and Deborah Scheidtman
Fred ’68 and Katie Schuchart
Thomas and Diane ’86 Schultz
Loren ’56 and Ann Schueler
Sebee’s Pharmacy
Gregory ’92 and Nicole Seeber
Leslie Seward ’91
William ’57 and Elizabeth ’58 Sharp
Valerie Silva ’86
James ’64 and Sandra ’62 Simms
Tracy Schaer ’85
H. Kirby and Connie ’76 Skavdahl
Kenneth Smick ’72
Marjorie Smith
Scott and Montie Smith
Jack ’56 and Eileen Sobotta
Gerald ’51 and Clarice Solvik
Steven ’94 and Kimberly Sommers
Spokane Pharmacy Association
David and Lynette ’83 St. Amand
Pamela Starr ’03
Claudia Stockdale ’60
Daniel Strom
Denny and Mary ’88 Stumph
Todd and Patricia ’73 Sudick
David ’81 and Sheryl ’80 Sutherland
Scott ’86 and Kelly Sylvester
TN Pharmacy
Robin ’75 and Carla ’75 Teitzel
David ’82 and Rebecca Thomas
Sean Thurston ’10
Tick Klock Drugs
Cynthia Tilton
Viola Triplett
Hieu-Thien Nguyen Truong ’08
Tony Tse ’89
†Ray and Geraldine ’56 Turner
Twelve String Brewery
Leo ’61 and Janice ’63 Vandervort
Charles ’63 and Marilyn Veach
Brandy Voight ’01
Vintage Vines
Daren ’91 and Heidi Wagner
George Walden
Jack Warner ’49
Ian Warren ’89
Jon and Kathleen Warren
Scott ’89 and Gretchen Watts
Stanley ’73 and Nancy Weber
Cynthia Wendt ’05
Rick Wenning ’82
Paula White
Scott and Teresa ’89 White
Donald Williams
Donald Wolfe
Gary ’74 and Lois Yawman
Eli Yarwood ’08
Larry and Anita Young
† = deceased

This Donor Roll is a list of those who invested in us during the 12-month period from July 1, 2014 through June 30, 2015. We strive to be accurate, but if we have made a mistake with any detail of your gift or your name, please accept our apology and please let us know about it. You may reach our Advancement and Alumni Relations Office at gocougs@pharmacy.wsu.edu or 509-368-6675. If you made a gift after June 30, 2015, your gift will be reflected in next year’s annual report.

CREATE A LEGACY, SUPPORT EXCELLENCE
Something very special is happening at the College of Pharmacy, and this is your chance to be part of it. The opening of our new building on the WSU Health Sciences Spokane campus has created a rare opportunity for you to have a permanent legacy in the College of Pharmacy by naming a teaching area, conference room, student gathering area, or laboratory in the Pharmaceutical and Biomedical Sciences Building. For more information contact 509-368-6675 or gocougs@pharmacy.wsu.edu.

COLLEGE OF PHARMACY PARTNER HIGHLIGHT
JOHN OFTEBRO ’65
“I have chosen to give back to a program that provided me with a foundation for creating a wonderfully rewarding professional practice. I am extremely grateful for the financial aid I received during my undergraduate years, and am glad to now assist our students. Go Cougs!”

John Oftebro contributed to name the dean’s conference room the “John Oftebro, Kelley-Ross Pharmacy Dean’s Conference Room.”
WSU APPE ECUADOR: BETTER UNDERSTANDING OUR PATIENTS AND PRESCRIBING PRACTICES

By Madison Block, Iulia Vartolomei, Jacqueline Garza, Amanda Hack, and Joshua Burwell

Every year, student pharmacists from WSU travel to remote villages in the Ecuadorian Andes Mountains and set up medical camps as part of their fourth-year APPE rotations.

In 2015, the medical team included five student pharmacists, two pharmacists, two nurse practitioners, one physician, two medical students, and a social worker.

Preparatory work included a review of medications from past trips to create a formulary that would treat most anticipated medical conditions. The medication was divided into three groups, one for each village we were scheduled to visit. Villages were chosen by the Ecuador military, who gave priority based on need.

Upon arrival to each village, we set up exam rooms, a lab, and the pharmacy.

The medical team ended up visiting four villages instead of three due to increased need while we were there. In order to better prepare future students and providers to bring the necessary resources to meet the needs of the communities and avoid over treating, data from the 2015 rotation was collected and compiled upon returning to the United States.

The WSU College of Pharmacy provides opportunities for student pharmacists to participate in optional international rotations in order to provide an intercultural pharmacy experience encompassing medical, social and humanitarian issues. In the past, international sites have included Ecuador, Peru, Vietnam, and Wales.

WSU partners with the organization Hearts in Motion and the Ecuador military to coordinate the APPE international rotation to Ecuador. The 2015 rotation group is pictured here waving the Cougar flag in Ecuador this summer.

WSU student pharmacist Jacqueline Q. Garza pictured with children from the village of Pachancho, in Ecuador.

<table>
<thead>
<tr>
<th>Days in Ecuador: 14</th>
<th>Top 5 medications dispensed:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Villages visited: 4</td>
<td>multivitamins mebendazole</td>
</tr>
<tr>
<td>Patients: 751</td>
<td>eye washes acetaminophen</td>
</tr>
<tr>
<td>60% were adults</td>
<td>ibuprofen</td>
</tr>
<tr>
<td>40% were children under 12</td>
<td></td>
</tr>
<tr>
<td>Common services:</td>
<td>Other items dispensed:</td>
</tr>
<tr>
<td>well checks: 26%</td>
<td>eye glasses socks and shoes</td>
</tr>
<tr>
<td>Common ailments:</td>
<td>sunglasses toothbrushes</td>
</tr>
<tr>
<td>pain: 22%</td>
<td></td>
</tr>
<tr>
<td>arthritis: 12%</td>
<td></td>
</tr>
</tbody>
</table>

2015 ANNUAL REPORT | 19
CAREER SEMINAR SERIES
By Lori Maricle

The Preparing For Your Career In Pharmacy Seminar Series introduces student pharmacists to thought-leaders and entrepreneurs who give insights on career opportunities available to future pharmacists. The lectures support the college’s mission to educate outstanding health care professionals by exposing student pharmacists to leaders across the country who are driving innovation, advancing health care practice, and improving people’s lives. The career seminar series is funded through the Dean’s Fund for Excellence and the college’s community partner, the Spokane Teachers Credit Union.

2015 Career Seminar Speakers
Heidi Ecker, Director, Government Affairs and Grassroots Programs, NACDS
Alexander Garrard, Pharm.D., DABAT Clinical Managing Director, Washington Poison Center
Jeff Rochon, Pharm.D. Chief Executive Officer, Washington State Pharmacy Association
Lisa Garza, Pharm.D. Resident Pharmacist, Middleport Family Health Center, Buffalo NY
Tim Bonino, RPh, MBA, Retired Senior Clinical Specialist, Genetech Inc.
Bindhu Batra, Pharm.D., RPh, Director of Academic Affairs, Professional Compounding Centers of America Institute
Darrell Jackson, BS, PhD Researcher, University of Montana, College of Health Professions & Biomedical Sciences
Sarah Beaty-VanDeMark, Pharm.D., MBA, BCPS Director, System Pharmacy Program Development, Providence Health Services
Michael Johnson, B.Pharm., Pharm.D., D.O., MMI Candidate Confluence Health Systems

NAPLEX PASS RATE COMPARISONS
Average first-time test taker pass rate for WSU classes 2010-2014:
National average first-time test taker for 2010-2014:

96%
95%

Preliminary results for class of 2015 with 90% of the cohort having tested:
97%

average first-time test taker pass rate.
Jeff Nye
Patrick Stolz

PY4 STUDENT ACHIEVEMENT
Student pharmacists Jeff Nye and Patrick Stolz each received a $5,000 scholarship from Cardinal Health.

Ryan Nottingham, with faculty mentor Jennifer Robinson, won one of eighty five national spots for the 2015 AACP Walmart Scholars Program.

James Leonard was selected for a summer internship with the Division of Drug Information at the U.S. Food and Drug Administration (FDA).

Jeff Nye
Patrick Stolz

Ryan Nottingham
James Leonard
FORMER U.S. SURGEON GENERAL GIVES KEYNOTE ADDRESS

By Lori Maricle

On Thursday, May 7, 2015, family and friends joined the WSU College of Pharmacy at the Fox Theater in downtown Spokane to honor the newest alumni of the Ph.D. in Pharmaceutical Sciences and Doctor of Pharmacy programs.

Former U.S. Surgeon General Richard Carmona (pictured above) gave the keynote address. He challenged the graduates to look to addressing preventable disease in order to improve public health.

“I think you’re coming into pharmacy at no better time in the history of pharmacy,” said Carmona. “I’ve been very closely aligned with the pharmacy profession for many years, including my time as surgeon general. The pharmacists were some of my best leaders, not just as pharmacists but as leaders in the diverse set of opportunities that came up.”

Carmona spoke of how pharmacists brought a special analytic, thoughtful and scientific ability to the table that made them great leaders.

“The pharmacist of the future will continue to be a leader and equal partner in a diverse multidisciplinary prevention and health care team within the medical or health care home,” said Carmona.

He challenged the graduates to pick up the baton as health counselor, as pharmacy becomes more complex with the development of pharmacogenomics, individualized pharmacology, and personalized medicine.

“You have the opportunity, privilege and responsibility to make the world a healthier, safer and more secure place,” said Carmona. “Keep your dreams just beyond your reach and your integrity beyond reproach, and the world will prosper from your presence.”
of the Class of 2015 reported to AACP that the WSU Pharm.D. program prepared them to communicate with health care providers.

**AT THE TIME OF GRADUATION:**

- **21%** of the Class of 2015 accepted a residency.
- **12/17** of the accepted residencies are in Institutional Pharmacy.
- **61%** of the Class of 2015 indicated that their plans were to remain in Washington; this includes both residencies and employment. Of those students planning to remain in Washington, **4/50** will be serving in a rural and medically underserved area.

**SENIOR AWARDS**

- **APhA-ASP Senior Recognition:** Cassandra Song
- **WSU College of Pharmacy Faculty Award:** Azuka Nwude
- **Lilly & Co. Achievement Award:** Naon Shin
- **Natural Medicines Recognition:** Mark Goff
- **TEVA Pharmaceuticals USA Outstanding Student:** Alla Aldughli
- **U.S. Public Health Service Excellence in Public Health Pharmacy Award:** Shurrie Morris
- **Facts and Comparisons Excellence in Clinical Communication Award:** Nolan Koller
- **Merck Award for Outstanding Students:** Clell Hasenbank and Alex Jensen
- **Mylan Pharmaceuticals Excellence in Pharmacy:** Michelle Fehrnstrom
- **Cardinal Health Award:** Mark Goff, Skeinah Samadi, Cassandra Song, Mynogoc Son, and Bridget Eller

**GRADUATE PROGRAM**

- **Ph.D. Degrees Awarded In 2015:**
  - Heidi Medford, Mandi Hopkins, Brandon Gufford, Dustin Rae, Emily Johnson
- **New Graduate Students:**
  - Yadira Xitlalli Perez Paramo, Panshak Dakup, Shannon Kozlovich, Mahamudul Haque, Xinyue Dong

**OTHER PHARM.D. AWARDS**

- **Sean Leonard** received the Larry G. Bettesworth Health System Pharmacy Student Award from the Providence Health Care Foundation in Spokane. She received a $2,000 scholarship.
- **Brandon Adam** received the Kappy Psi Pharmaceutical Fraternity’s Grant Council Scholarship Key, which is awarded annually to those who graduate with first honors or who stand highest in their entire class of graduates.
PH.D. STUDENT SPOTLIGHTS

By Lori Maricle

Brandon Gufford
(Paine lab, experimental and systems pharmacology)

Brandon Gufford received a Presidential Trainee Award from the American Society for Clinical Pharmacology and Therapeutics (ASCPT) in March, and was highlighted in the Showcase of Top Trainee Abstracts during the organization’s 2015 annual meeting in New Orleans, Louisiana. This was the second year in a row for him to receive this honor.

Gufford’s collaborative research project, under the mentorship of Drs. Mary F. Paine and John R. White, measured pupil diameter as a marker of pharmacodynamic effect to be used as an alternative to blood samples. This “sharps-free” model supports the development of new rescue therapies for opioid overdose and new combination therapies that make medical opioid use safer.

Gufford was selected for this award in 2014 for his participation in research on an integrated in vitro-in silico-in vivo (meaning, test tube, computer simulation, live subject) framework for the prediction of an herb-drug interaction in healthy volunteers.

Solomon Agere
(Ahmed lab, pharmaceutical sciences)

Solomon Agere received a Health Professional Research Preceptorship Award from the Rheumatology Research Foundation to do research in rheumatic disease under the mentorship of Dr. Salah-uddin Ahmed. This award included a $3,500 stipend and a $1,000 travel award to attend the American College of Rheumatology Annual Meeting in San Francisco, California. Agere studies the role of chemokines and hopes to discover how a specific chemokine (RANTES/CCL5) activates enzymes that contribute to the tissue destruction observed in osteoarthritis and rheumatoid arthritis.

Emily Johnson
(Marsh lab, experimental and systems pharmacology)

Emily Johnson won Washington State University’s first university-wide Three Minute Thesis (3MT) competition in March 2015. The event was part of WSU’s annual Showcase celebration of faculty, staff and student excellence. 3MT was developed by the University of Queensland, and is a competition for doctoral candidates to practice communicating their research objectives to a non-science audience. Johnson had three minutes to deliver her thesis to the audience and a panel of judges. Johnson received $3,000 from the Office of the Provost to attend the research conference of her choice.

Johnson studies how anticancer drugs affect sugar metabolism and heart health under the mentorship of Dr. Susan A. Marsh. She hopes her research will lead to a new way of combating heart disease in diabetics.
Half of our mission at the WSU College of Pharmacy is to improve human health through excellence in collaborative research and scholarship. What this means is the College of Pharmacy is dedicated to being a leader in protecting, promoting and improving human health through contributions in applied, translational and basic research.

To improve the college’s research funding portfolio, we adopted a set of strategies in 2010 that included recruiting faculty with existing research funding, setting expectations for productivity and holding researchers accountable, investing in research infrastructure, supporting faculty development, and rewarding performance. The college also restructured to reflect our “bimodal” mission of the college: excellence in, and access to, professional education, impactful research, and graduate education.

In order to support the rise of the college as a top-ranked pharmacy program, I established the Office of Research in 2013 to develop resources to assist faculty in identifying and applying for external funding, and to support infrastructure to conduct research efficiently and safely.

Over the last five years, the College of Pharmacy has successfully kept on track to achieve its strategic goals for 2020. In the most recent QS World University rankings, the WSU pharmacy program placed 21 among all pharmacy programs nationally, which represents a significant improvement for our program over the past few years. However, among pharmacy schools that do not share their campus with a medical school, we are ranked second (behind only Purdue University and tied with Northeastern University).

How far we can go once we partner with the Elson S. Floyd College of Medicine, only time will tell.

**WSU College of Pharmacy Progress Toward Strategic Goals**

**2010**

- 371 student pharmacists
- 9 graduate students
- $3.6M research expenditures

**2015**

- 491 student pharmacists
- 20 graduate students
- $7.01M research expenditures

**2020**

- 640 student pharmacists
- 60 graduate students
- $15M research expenditures

**New Research Funding Awarded to the College of Pharmacy**

<table>
<thead>
<tr>
<th></th>
<th>Total Funding</th>
<th>NIH Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>FFY 2010</td>
<td>$2,748,663</td>
<td>$820,308</td>
</tr>
<tr>
<td>FFY 2011</td>
<td>$2,788,332</td>
<td>$973,312</td>
</tr>
<tr>
<td>FFY 2012</td>
<td>$3,314,016</td>
<td>$447,642</td>
</tr>
<tr>
<td>FFY 2013</td>
<td>$4,557,213</td>
<td>$3,160,877</td>
</tr>
<tr>
<td>FFY 2014</td>
<td>$8,099,962</td>
<td>$3,203,572</td>
</tr>
<tr>
<td>FFY 2015</td>
<td>$6,074,039</td>
<td>$3,452,198</td>
</tr>
</tbody>
</table>

This table reports total federal research funding reported on the federal fiscal year (FFY) starting October 1 and ending September 30. This is different from the College of Pharmacy’s fiscal year starting July 1 and ending June 30. AACP calculates rankings for colleges of pharmacy based on a different reporting list as well. Therefore, these figures vary from the College’s total revenues previously listed in this report.
Being handed the diagnosis of a chronic medical condition can have a profound impact on a person’s daily life. It could mean the overhaul of diet and exercise habits to combat the onset of diabetes, or rearranging a daily routine to make it easier to remember to take medication that brings high blood pressure under control.

For patients who have two, three or more medical conditions, the impact on their lives is multiplied two, three or more times.

“Persons who take multiple medications create an identity around medication use that affects lifestyle, well-being, physical and psychological health,” said Joshua Neumiller, associate professor in pharmacotherapy. This is part of his recent study of the impact of managing multiple chronic medical conditions in older populations.

The study recruited participants who were at least 65, currently taking at least five medications, and getting a new medication from their health care provider. The research team found that, for a large portion of study participants, their doctor is one of the most important people in their lives. Some study participants reported they wouldn’t consider relocating, even if it would mean being closer to family or friends, because they “couldn’t leave their doctor.”

Participants said one of the most common barriers to taking medications as prescribed was not being able to fill the prescription (reasons given included lack of transportation and finances). The second-largest barrier was simply forgetting, said Neumiller.

The initial research was funded by a $230,000 grant from the Patient-Centered Outcomes Research Institute (PCORI). The team received an additional $49,960 from PCORI at the end of 2015 to develop a set of educational resources that will be made available to both health care providers and patients.

The goal of this educational “tool kit” is to empower older persons with multiple chronic conditions to better communicate with their health care providers regarding their medication therapies, with the aim of improving quality of life and reducing interactions and adverse side effects.

Since 2012, the Health Sciences and Services Authority (HSSA) of Spokane County has awarded a total of $3 million to the college in support of new facilities and recruiting top faculty to the College of Pharmacy at WSU Health Sciences Spokane. The success and growth of pharmacy research initiatives we have seen in the past few years would not have been possible without this critical support.
By Lori Maricle

JEAN-BAPTISTE ROULLET

PHARMACOLOGY: EXPERIMENTAL AND SYSTEMS

“Down the road, this research may lead to the identification of novel compounds that slow down the formation of fat cells and could be used to fight obesity,” said Roullet. “Studying rare diseases—something very specific—allows us to understand more common diseases.”

A third arm of Roullet’s research focuses on autism. His team has been using stem cells made from skin cells isolated from individuals with autism to study autistic neurons and the autistic brain.

Roullet grew up and was trained in France. He received his pharmacy degree from Paris V University, holds professional certifications in laboratory medicine (immunology, hematology, bacteriology, virology, and parasitology), and has two doctoral degrees in biochemistry. He has extensive experience as a clinical researcher and contributed to three U.S. patents in the health sciences.

Roullet came to the United States in 1985 for a visiting professor position at Oregon for Health Sciences University (OHSU) in Portland, Oregon. After a short stay back in France, he returned to the OHSU Department of Medicine in 1989. In 2006, he joined the Division of Metabolism in the OHSU Department of Pediatrics and started his research on rare diseases and autism. In addition to continuing his research at WSU, he teaches first- and second-year student pharmacists in the Doctor of Pharmacy program.

“SLOS is a genetic disorder that prevents a person’s body from making cholesterol,” said Roullet. “The cholesterol synthesis pathway is a central metabolic pathway that guides the function of all cells in humans. If it doesn’t work, then not much else does.”

Roullet is also interested in studying the role of the cholesterol pathway in the regulation of fat cell formation from adipose-tissue-derived stem cells, a process called adipogenesis.

“DTA STAIR is one of 21 consortia in the Rare Diseases Clinical Research Network, which is an initiative funded by the National Institutes of Health. The consortium includes clinicians and scientists who have teamed up from nine academic institutions across the United States and internationally to discover causes and formulate treatments for diseases like the Smith-Lemli-Opitz syndrome (SLOS).

“SLOS is a genetic disorder that prevents a person’s body from making cholesterol,” said Roullet. “The cholesterol synthesis pathway is a central metabolic pathway that guides the function of all cells in humans. If it doesn’t work, then not much else does.”

Roullet is also interested in studying the role of the cholesterol pathway in the regulation of fat cell formation from adipose-tissue-derived stem cells, a process called adipogenesis.

Jean-Baptiste Roullet, clinical professor in experimental and systems pharmacology, studies autism and rare diseases caused by impaired cholesterol metabolism.

Roullet is an investigator with the Sterol and Isoprenoid Research (STAIR) Consortium. STAIR is one of 21 consortia in the Rare Diseases Clinical Research Network, which is an initiative funded by the National Institutes of Health. The consortium includes clinicians and scientists who have teamed up from nine academic institutions across the United States and internationally to discover causes and formulate treatments for diseases like the Smith-Lemli-Opitz syndrome (SLOS).

“SLOS is a genetic disorder that prevents a person’s body from making cholesterol,” said Roullet. “The cholesterol synthesis pathway is a central metabolic pathway that guides the function of all cells in humans. If it doesn’t work, then not much else does.”

Roullet grew up and was trained in France. He received his pharmacy degree from Paris V University, holds professional certifications in laboratory medicine (immunology, hematology, bacteriology, virology, and parasitology), and has two doctoral degrees in biochemistry. He has extensive experience as a clinical researcher and contributed to three U.S. patents in the health sciences.

Roullet came to the United States in 1985 for a visiting professor position at Oregon for Health Sciences University (OHSU) in Portland, Oregon. After a short stay back in France, he returned to the OHSU Department of Medicine in 1989. In 2006, he joined the Division of Metabolism in the OHSU Department of Pediatrics and started his research on rare diseases and autism. In addition to continuing his research at WSU, he teaches first- and second-year student pharmacists in the Doctor of Pharmacy program.

“Down the road, this research may lead to the identification of novel compounds that slow down the formation of fat cells and could be used to fight obesity," said Roullet. “Studying rare diseases—something very specific—allows us to understand more common diseases.”

A third arm of Roullet’s research focuses on autism. His team has been using stem cells made from skin cells isolated from individuals with autism to study autistic neurons and the autistic brain.

Roullet grew up and was trained in France. He received his pharmacy degree from Paris V University, holds professional certifications in laboratory medicine (immunology, hematology, bacteriology, virology, and parasitology), and has two doctoral degrees in biochemistry. He has extensive experience as a clinical researcher and contributed to three U.S. patents in the health sciences.

Roullet came to the United States in 1985 for a visiting professor position at Oregon for Health Sciences University (OHSU) in Portland, Oregon. After a short stay back in France, he returned to the OHSU Department of Medicine in 1989. In 2006, he joined the Division of Metabolism in the OHSU Department of Pediatrics and started his research on rare diseases and autism. In addition to continuing his research at WSU, he teaches first- and second-year student pharmacists in the Doctor of Pharmacy program.

“The protein AT5S controls how often specific genes that control cell survival are expressed. But the research team has identified this protein playing a part that is not related to its role as a transcription factor. Within the area of the cell called the centrosome, AT5S is also acting as a structural protein. Structural proteins perform much like their name suggests: they maintain cell shape and make up connective tissues like cartilage and bone.

This discovery provides the first evidence of structural interactions within the centrosome and the role of AT5S.

“This is an eye opener for people working in the field,” said David Liu, associate professor in pharmaceutical sciences. Liu is the corresponding author on the research published in the July 2015 issue of Cell Magazine.

Liu and five pharmaceutical sciences colleagues at WSU teamed with scientists from Penn State, the Chinese Academy of Sciences, Zhejiang Sci-Tech University, and the University of Texas to complete the study that was funded in part by the American Cancer Society and the U.S. Department of Defense.

The centrosome is the cell component vital to successful cell division and duplication, which effects a wide spectrum of larger processes from healing to cancer growth to fighting off disease. Failure of centrosome duplication can result in malformation of mitotic spindles, causing a variety of genomic instabilities. Malformed cells contribute to tumor development and conditions such as dwarfism, ciliopathy, microcephaly, and problems with cilia movement.

Liu is hoping this research will expand understanding of cell survival.

In a previous study, Liu tagged the AT5S protein with green dye, a fluorescent protein produced by jellyfish, and discovered AT5S’s presence in an area of the cell that didn’t seem to make sense. He wanted to show that the presence of AT5S outside its “normal place” was irrelevant so he could get back to studying what he was originally focused on: AT5S’s role as a transcription factor.

“After finding this, I wanted to disprove it. But the more we worked on it, the more it was apparent it had real purpose,” said Liu. “Ultimately, it became a big discovery.”
COUGARx NATION

Being a Cougar pharmacist is unique, so we started a group just for WSU pharmacy alumni because we believe Cougar pharmacists deserve something special. The College of Pharmacy Alumni Community is a WSU alumni organization with the mission of expanding the ways alumni and friends of the WSU College of Pharmacy can become meaningfully engaged with the college and support its strategic mission to improve human health and develop outstanding health care professionals.

Join us at one of our upcoming gatherings! Access the CougaRx Nation calendar of events at bit.ly/coug-rxnation-events.
ALUMNA OF THE YEAR
By Lori Maricle

Merrie Kay Alzola, of Washougal, was named the 2014 Outstanding Alumna of the Year by the College of Pharmacy. She was selected for the Alumna of Year recognition for her contributions towards establishing the college’s Alumni and Student Mentor Program. Alzola championed the program to Fred Meyer Pharmacy and helped the college secure the funding needed to get the program up and running. She also advocated for participation from other WSU partners and alumni. Her efforts contributed to recruiting enough volunteers to assign a mentor to every incoming student in the program’s inaugural year.

“We are privileged to have Merrie Kay in our profession and working with our student pharmacists. She is committed to identifying opportunities for student pharmacists to network and build relationships with alumni and other thought leaders,” said Linda Garrelts MacLean at the award presentation.

Alzola received her pharmacy degree from WSU in 1993. She is a past president of the Washington State Pharmacy Association (WSPA), and received the WSPA Pharmacist of the Year award in 2014. Prior to that, she received the Pharmacy Leadership award for the state of Washington in 2011, was named Distinguished Young Pharmacist of the Year in 2002, and the Innovative Pharmacist of the Year in 2001. She has been a member of the WSU College of Pharmacy Dean’s Advisory Council since 2004. She is active in the CougaRtx Nation pharmacy alumni community, serving as vice chair for its regional coordinator’s board.

Past Recipients
2013, Wayne Clemens, class of 1970
2012, Nancy Gerstad, class of 1974
2011, Greg Gibbons, class of 1982
2010, Fred (Fritz) H. McGinnis, class of 1971
2009, Robert W. Higgins, class of 1957
2008, Gerald Briggs, class of 1968
2007, Marshall P. Roberts, class of 1957 and Bert Porter, class of 1950
2002, Linda Garrelts MacLean, class of 1978
2001, Marvin Chamberlain, class of 1975
2000, John Swenson, class of 1968
1999, Holly Whitcomb Henry, class of 1978
1998, John Oftebro, class of 1965
1997, Raymond Olson, class of 1957
1996, Rick Doane, class of 1971
1995, William Gaskins, class of 1968
1994, Ron Doane, class of 1950
1993, Jim Reavis, class of 1939 and Trudy Reavis, class of 1938
1992, Richard Fowler, class of 1950
1991, R. Keith Campbell, class of 1964

GOLDEN GRADS
Each year the WSU Alumni Association coordinates a class reunion for 50 and 60 year WSU graduates. The three-day event in Pullman allows for WSU Golden and Diamond Graduates to reconnect with old friends and make some new ones. This year, Golden Grads from the College of Pharmacy made a detour up to Spokane to visit with the dean and tour the college’s new home at WSU Health Sciences Spokane.

Special thanks to John Oftebro for his efforts to lead this year’s Golden Grads reunion, and to the class of 1965 for establishing a new scholarship to benefit student pharmacists. For more information on the Class of 1965 Endowed Scholarship, please email gocougs@pharmacy.wsu.edu.
COLLEGE ADVISORY COUNCILS

Dean’s Advisory Council
Chair: John Oftebro, class of 1965, Kelley-Ross Pharmacy

Merrie Kay Alzola, class of 1993, senior health system account manager, Novo Nordisk

David Bell, class of 1976, retired hospital pharmacist, Madigan Army Medical Center

Nick Bruck, class of 2004, district pharmacy supervisor, Walgreens

Manpreet Chahal, class of 2008 and class of 2010, oncology pharmacist, Medical Oncology Associates

Gerald Danquist, class of 1965, retired pharmacy consultant for Eli Lilly and Co.

David Doane, class of 1986, vice president, pharmacy services and EC sales, Talyst Company

Jill Kerrick Walker, class of 1987, senior medical science liaison, Eisai

Janet Kusler, class of 1980, owner, Kusler’s Pharmacy

Steven Riddle, class of 1984, vice president of clinical affairs, Pharmacy OneSource

Yakima Advisory Council
Jim Aberle, vice president operations, Yakima Valley Memorial Hospital

Micah Cawley, mayor, City of Yakima

Anita Cleary, director of library services, Pacific Northwest University of Health Sciences

Tanny Davenport, chief medical officer, SignalHealth

Joseph Farina, class of 1974

Daniel Ferguson, director, Allied Health Center of Excellence, Yakima Valley Memorial Hospital

Dennis Hoover, class of 1980, senior director, Cardiac and Orthopedic Service Line, Yakima Valley Memorial Hospital

Mary Johnson, associate dean for academic affairs, Pacific Northwest University of Health Sciences

Kathleen McAteer, assistant vice chancellor, Office of Academic Affairs, Washington State University Tri-Cities

Joel Thome, assistant professor of pharmacology, College of Osteopathic Medicine, Pacific Northwest University

TJ Tjarnberg, consultant pharmacist, Omnicare of Yakima

Jackie Widhalm, pharmacist, Shopko

Timothy Melhorn, consulting physician, Memorial Physicians

Patrick O’Connor, class of 1995, director of pharmacy, Community Health Systems/Toppenish Community Hospital

Kathleen Ross, director, Institute for Student Identity and Success, Heritage University

The WSU College of Pharmacy advisory councils convened at the PNWU campus in Yakima, Washington, this August. Pictured from left: Gerald Danquist, Kathleen Ross, John Oftebro (back), Linda Garrels MacLean, Jackie Widhalm (back), Daniel Ferguson, Angela Stewart, Dennis Hoover (back), Merrie Kay Alzola, Nick Bruck (back), Manpreet Chahal, Gary M. Pollack.
The CougaRx Nation Alumni Board met this year during the WSPA annual meeting in Suquamish, Washington. Pictured from left: Deborah Oftebro (guest), Steve Riddle (back), John Oftebro, Leon Alzola (back), Merrie Kay Alzola, Manpreet Chahal, Dallari Allington, Brandon Arthur, and WSPA president Steve Boulanger and his wife.

**COUGARx NATION ALUMNI BOARD**

Chair: Manpreet Chahal, class of 2008, 2010
Co-chair: Merrie Kay Alzola, class of 1993

**Western Washington**
Brandon Arthur, class of 2011
John Oftebro, class of 1965
Chuck Paulsen, class of 1984
Steve Riddle, class of 1984

**Oregon**
Leon Alzola, class of 1991

**Eastern Washington/Northern Idaho**
Dallari Allington, class of 2008
Keith Campbell, class of 1964
Eleanor Carbett
Jason Doss, class of 2009

**California/Southwest U.S.**
Patrick Tabon, class of 2012
Mary Wen, class of 2008

**Midwest**
Gerry Danquist, class of 1965

**COLLEGE CONTACT INFORMATION**

College of Pharmacy Main Office
509-368-6700

Advancement and Alumni Relations Office
509-368-6675 | gocougs@pharmacy.wsu.edu

Drug Information Center
509-338-7662

Communications Office
509-368-6679 | pharm.social@wsu.edu

Office of Research
509-368-6607

Student Services Office
509-368-6605 | admissions@pharmacy.wsu.edu

Follow us on Twitter: @WSUPharmacy
Join us on Facebook: facebook.com/WSUPharmacy

**COLLEGE LEADERSHIP**

Dean
Gary M. Pollack

Area Finance Officer
Sarah Kohler

Associate Dean for Advancement
Linda Garrelts MacLean

Associate Dean for External Professional and Continuing Education
Danial Baker

Associate Dean for Graduate Education
Katheryn E. Meier

Associate Dean for Professional Education
Brian Gates

Assistant Vice President for Research
Andrea Lazarus

Department of Pharmaceutical Sciences Chair
Philip Lazarus

Department of Pharmacotherapy Chair
John R. White

Section of Experimental and Systems Pharmacology Chair
K. Michael Gibson

**2015 ANNUAL REPORT CREDITS**

This report was designed by Denise Echelbarger, WSU College of Arts and Sciences

Creative direction by Lori Maricle, WSU College of Pharmacy

Creative support by Megan Comito, WSU College of Pharmacy

Photos by Lori Maricle, Jacqueline Q. Garza, Megan Comito, and Benjamin Benschneider courtesy NBBJ

Contributing authors: Lori Maricle, Gary Pollack, Susan Wright, Stuart Muller, Connie Remsburg, Kelly Sylvester, Linda Garrelts MacLean

Printed by WSU University Publishing

For more information about this report, contact the WSU Pharmacy Communications Office at 509-368-6679, or lmaricle@wsu.edu.
SAVE THE DATE!
NOVEMBER 4 & 5, 2016

WSU College of Pharmacy
125th Anniversary Gala
pharmacy.wsu.edu/125

ANNIVERSARY