



UPCOMING EVENTS

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A MESSAGE FROM GARY M. POLLACK



July 2018

Dear Friends and Colleagues:

“A rose by any other name would smell as sweet” is one of English literature’s most enduring truisms, having survived (and been referenced ad nauseam) for more than 400 years. It is also helpful when names of things, if not people (or roses), accurately reflect what they are. While there is no argument with Will Shakespeare’s construction, it is arguably true that a rose named, say, Chalk would get fewer initial sniffs than would 1977’s award-winning Double Delight.

To our own delight, this July we will celebrate the college’s change-of-name to the Washington State University College of Pharmacy and Pharmaceutical Sciences. This was an important distinction for us because “pharmacy and pharmaceutical sciences,” as compared to “pharmacy,” more accurately describes our mission, our value to the university, and our academic and scholarly strengths.

The College of Pharmacy and Pharmaceutical Sciences (CPPS) has what I first heard my friend and mentor Bill Campbell describe as a bimodal mission. “Pharmacy” in our name references the pursuit of excellence in professional education and preparing future generations of practitioners, leaders, and entrepreneurs; “pharmaceutical sciences” references the pursuit of excellence in graduate education and faculty-led scholarship, preparing future generations of pharmaceutical scientists, and generating knowledge to advance human health in the near-term.

The “pharmacy” side of our college has arguably greater national recognition, given its long-standing commitment to producing health care practitioners and its more recent forward-thinking approaches to educating students and interfacing with the practice community. The success of our third annual TIPed Institute is a testament to the development of this mission area.

Over the last seven years (a period representing the run-up to consolidating our college on the university’s Health Sciences campus in Spokane and our establishment as an intact college thereafter) growth in the “pharmaceutical sciences” portion of our mission has been nothing short of spectacular. All traditional indicators of research productivity and commitment to graduate education have increased markedly: extramural funding of faculty-led research (nearly an order of magnitude increase); number of Ph.D.-intending graduate students (3-fold increase); number of post-graduate trainees (4-fold increase); number of research-line faculty (2-fold increase) all are consistent with an organization that is growing aggressively and has experienced more than its share of success.

Given our bimodal mission, during the upcoming academic year we will utilize this space to highlight our activities in research and graduate education, and to celebrate the pending graduation of our first cohort of Doctor of Pharmacy students based on the Pacific Northwest University of Health Sciences campus in Yakima. It promises to be another successful and exciting year for our program.

Wishing you a happy and relaxing summer,



Gary M. Pollack
Dean, College of Pharmacy
Washington State University



UPCOMING EVENTS



Coug Day at the Mariners

Join us for a reception
before the game!



Research Day

WSU Health Sciences
Spokane, Wash.



White Coat Ceremonies

August 16–17
Yakima, Wash. &
Spokane, Wash.



Pharmacy Homecoming Weekend

September 28-29
Spokane, Wash. &
Pullman, Wash.

[More college events >>](#)

COLLEGE NEWS

Student pharmacist tapped for national scholarship

Tory Knebel was selected as one of 20 student pharmacists nationally to receive a \$2,500 Pharmacists Mutual Community Pharmacy Scholarship.

Knebel is a student pharmacist at Washington State University in Spokane, Washington.

Winners were announced online in March 2018, Knebel applied for the scholarship last fall. The scholarship program acknowledges students interested in serving in an independent or small chain, community pharmacy, or in an underserved geographic area.



Tory Knebel

“My professional goal is to own and operate an independent community pharmacy,” Knebel said.

WSU College of Pharmacy and Pharmaceutical Sciences has a longstanding reputation of developing outstanding health care professionals and leaders in pharmacy. This is just one example of how the college is preparing the pharmacists of the future who will lead tomorrow’s health care solutions through innovation, collaboration and leadership.

Knebel is in the class of 2019, and just finished his third year in the Doctor of Pharmacy program at WSU in Spokane. In 2016 he received a \$5,000 scholarship from Cardinal Health, and was one of 15 pharmacy students nationally to participate in the Live Oak Bank Pharmacy Student Program, a business leadership and pharmacy management program. Knebel was selected to attend pharmacy ownership boot camps in 2016 and 2017 developed from the National Community Pharmacists Association (NCPA) Pharmacy Ownership Workshop. In 2017, he teamed up with several WSU classmates to develop a pharmacy business plan for the NCPA business plan competition, and placed in the top 10 nationally.

This past year he served as the president of the NCPA WSU chapter, and is currently in the second year of a two-year term on the national Student Leadership Council for NCPA.

Knebel is from Pomeroy, Washington, and completed his undergraduate coursework at WSU in Pullman. After graduation he plans to remain in the Pacific Northwest to pursue running his own community pharmacy.

Student pharmacist to serve in national advocacy role

David Bunch, class of 2019, has been appointed to the American Pharmacist Association – Academy of Student Pharmacists’ (APhA-ASP) Policy Standing Committee. In this advocacy role, Bunch will spend the next year serving as “a voice of the profession,” representing APhA-ASP members and student pharmacists to legislators about important pharmacy and health care issues. His duties include helping classmates stay up-to-date on current legislative and regulatory pharmacy-related issues in order to have a positive impact on the pharmacy profession.



David Bunch

“This is a big honor for me to be one of the four student pharmacists to serve on the APhA-ASP Policy Standing Committee,” Bunch said. There are five National Standing Committees within APhA-ASP, and each committee has only four members.

Bunch’s appointment runs from March 2018 to March 2019. As a committee member he attended the April leadership meeting in Washington, D.C., and participates in monthly conference calls with the rest of the committee and the APhA-ASP Speaker of the House. The committee has the opportunity to recommend policy issues for consideration to the APhA Policy Committee and represent the interest of student pharmacists to the APhA.

“I am incredibly grateful for the support of WSU College of Pharmacy and its faculty, for without them I would not be the accomplished leader I am today,” Bunch said.

Bunch is from Oak Harbor, Washington. He completed his undergraduate coursework at Whitworth University in Spokane. After graduation, Bunch plans to pursue a postgraduate pharmacy residency and is considering a specialty in infectious disease or ambulatory care, but has not made a final decision yet.

WSU College of Pharmacy and Pharmaceutical Sciences has a longstanding reputation of developing outstanding health care professionals and leaders in pharmacy. This is just one example of how the college is preparing the pharmacists of the future who will lead tomorrow's health care solutions through innovation, collaboration and advocacy.

This is the second year in a row that WSU is represented within the APhA-ASP National Standing Committees. Last year, WSU 2018 graduate Natalie Tucker served on the Communications Standing Committee.

Graduate student recognized for excellence in service

Shannon Kozlovich, a graduate student studying pharmaceutical sciences at Washington State University in Spokane, was one of two students selected for a Washington Campus Compact Presidents' Civic Leadership Award as part of the statewide Students Serving Washington Awards program.

Kozlovich was recognized on March 16, 2018, at a ceremony at the Museum of Flight in Seattle.

The awards recognize student leaders from across Washington state. Nominees are selected for his or her exceptional leadership and commitment to addressing a critical issue on their campus or in their community. Kozlovich was nominated for her involvement as director of legislative affairs for the Associated Students of Washington State University Spokane and her work serving as an advocate for science at events like the Coug Day at the Capitol.

Kozlovich is working on her Ph.D. in pharmaceutical sciences in the research lab of Philip Lazarus, Ph.D. She studies how additives in tobacco products, and their interaction with one's DNA, impact how carcinogens are removed from the body.

WSU College of Pharmacy has a longstanding reputation of developing outstanding scientists and leaders in research. This is just one example of how the WSU College of Pharmacy and Pharmaceutical Sciences is preparing the scientific investigators of the future who will lead tomorrow's health care solutions through innovation, collaboration and advocacy.

This is the second year in a row the WSU College of Pharmacy and Pharmaceutical Sciences has been represented in this awards program. Last year, the WSU chapter of the American Pharmacists Association Academy of Student Pharmacists (APhA-ASP) received an Outstanding Service Award as part of the 2017 Students Serving Washington Awards for the group's organization and implementation of an emergency health response to a mumps outbreak in Spokane.



Shannon Kozlovich



Thank you to our TIPed partners & participants!



A MESSAGE FROM LINDA GARRELT'S MACLEAN



Dear Alums, Colleagues and Friends of Pharmacy,

Happy 4th of July week to each of you! As Grant and I look forward to spending time with friends and family, I am hopeful that each of you has that opportunity as well. We are hearing from many of you as you vacation across the U.S. and around the world. Keep those “Wave the Flag” photos coming!

We hosted the third annual Transformation and Innovation in Pharmacy Education (TIPed) institute in Spokane June 12–14, 2018. The TIPed Institute was formed as a result of the ongoing pedagogical transformation at the WSU College of Pharmacy and Pharmaceutical Sciences (CPPS). A desire to share the benefits and hard-won experience of those efforts with other educators is what inspired the first TIPed gathering. As noted by project manager Stuart Muller, “in sharing those triumphs and tribulations, we found a vibrant community of like-minded individuals and institutions eager to share their own. Many of them are now our indispensable partners in this collaborative TIPed mission, and we are so grateful to count such esteemed and generous minds among TIPed’s contributors.”

Many WSU CPPS faculty joined together with faculty colleagues across the country to create the [institute programming](#). This same faculty crafted the overarching mission of TIPed and embedded it in the acronym: To help tip the educational mindset of individuals, institutions, and pharmacy education in general, towards wholeheartedly embracing the potential for innovation and transformation to profoundly improve education, and equip our graduates for success in a changing world.

Dean Pollack invited pharmacy deans to join him in a panel discussion to launch the institute. Many thanks to Dean Renae Chesnut from Drake University, Dean B. Joseph Guglielmo from the University of California San Francisco, and Dean Carolyn Ma from the University of Hawaii. Dean Emeritus Susan M. Stein facilitated the conversation. Keynote addresses on the next two days continued the creative thinking with presentations from Dean John Tomkowiak with the WSU Elson S. Floyd College of Medicine and Ruth E. Nemire the associate executive vice president with the American Association of Colleges of Pharmacy. Dr. Tomkowiak stimulated future thinking as he engaged the attendees in discussions about artificial intelligence and the use of technology in health care. His provocative presentation blended well with Dr. Nemire’s insight about bringing the humanities into pharmacy education titled, “Wherefore ART thou and other musings on Health Professions Education.”

I would like to publicly thank all involved with TIPed this year! Together we are leading the way.

Finally, I want to invite you to join us this fall for the return of Pharmacy Homecoming Weekend!

For the college's second annual Crimson Gala, on Friday, September 28, we will present a special ceremony to honor our past and current Mentors, Preceptors and Alumni of the Year. I hope you will be able to join us for this special night and then the WSU vs. Utah Homecoming tailgate and football game in Pullman the following day.

Details are posted to our website as they are finalized and online registration will open soon!

With Cougar Pride,



Linda Garrelts MacLean, BPharm, RPh
Vice Dean of External Relations
Clinical Professor

ALUMNI NEWS



PEOPLE OF PERU PROJECT

Meagan Schut, class of 2019, had the experience of a lifetime this summer on rotation in Peru. After finishing the first of three intense weeks abroad, Schut shared some of her thoughts on her experience.

Full story on page 7 - 8



WAVE THE FLAG

We recently received photos from John and Claudia Swenson from Pulpit Rock outside of Stavanger, Norway. Let us know where your travels take you this summer and send us your photos for a chance to win a can of Cougar Gold cheese!

[View photo »](#)



CREATE YOUR LEGACY, SUPPORT EXCELLENCE

The Legacy Associates of Washington State University are those individuals who have included WSU in their estate plans. These thoughtful gifts leave a legacy for future generations of Cougar pharmacists.

[More details »](#)

SAVE THE DATES!

Crimson Gala SEPT. 28

TAILGATE SEPT. 29

ALUMNI UPDATES

- **Mel and Wendy Coughlin**, class of 1973, missed the Northwest Pharmacy Convention, but sent us this adorable photo of their daughter and new granddaughter! [View photo »](#)
- **Amanda Norman**, class of 2015, has accepted a new position with Kaiser Permanente in their anticoagulation unit. Amanda spent the past six years at Fred Meyer and while sad to be leaving her patients and the great team at Fred Meyer, excited for the new challenges ahead. Congratulations Amanda!
- **John**, class of 1968, and **Claudia Swenson**, are celebrating their 50th wedding anniversary this month with a cruise to Norway and Scotland. When they return from their two-week cruise, they will host a 50th anniversary celebration for family and friends on Stehekin. Congratulations to you both!
- We are very sad to hear that **Claire Norris**, widow of **Larry Norris**, class of 1951, and mother of **Mark Norris**, class of 1976, passed away in early June. Claire and Larry met at WSU and were proud Cougars. Larry, owned and operated Beall's Pharmacy in Puyallup, Wash., for 30 years before his passing in 1991 and Mark has owned the pharmacy since then. In lieu of flowers, gifts can be made to the Claire and Lawrence H. Norris Memorial Scholarship Fund at the WSU College of Pharmacy and Pharmaceutical Sciences. [Read obituary »](#)
- **Richard Kim**, class of 1951, has been compiling his life story with the help of his niece. Mr. Kim said as a teenager he was "dumb, shy, a nobody." He was first denied admission to WSU, but then later was admitted on probation. He graduated in 1951 with a BS in pharmacy, which he credits for changing the trajectory of his life and lead to a 50-year career as a pharmacist. Richard is working on providing scholarship support to students at the bottom of the class who need a champion, just as he did. He encourages students to "never give up...anything is possible." Richard resides on the Big Island of Hawaii and would love to hear from classmates and WSU alumni. You can reach him by emailing gocougs@pharmacy.wsu.edu.

Want to be listed in our alumni updates? Send us your career information or let us know what you've been up to! gocougs@pharmacy.wsu.edu.

People of Peru Project

Meagan Schut is a student pharmacist in the class of 2019 based in Yakima, Washington. She recently had the experience of a lifetime on rotation in Peru.

In the final year of pharmacy school, students complete six pharmacy practice rotations called Advanced Pharmacy Practice Experiences (APPE). APPE rotations are immersive and experience-based learning under the supervision of a pharmacy preceptor, and prepare the student for professional practice. A seventh rotation is optional, and some students apply for an international rotation. The WSU College of Pharmacy and Pharmaceutical Sciences offers international options for rotations in Ecuador, Peru, Vietnam, and Whales.

The Peru rotation is a joint experience between the Colleges of Nursing and Pharmacy through a non-profit organization called People of Peru Project, which provides free medical and dental care to impoverished populations. The goal of this rotation is to provide an experience for both nursing and pharmacy students through assessing and implementing global community health by providing nursing and pharmacy services to the people and communities in the Amazon region of Peru.

After finishing the first of three intense weeks abroad, Schut shared some of her thoughts on her experience...

PERU ROTATION REFLECTION

By: Meagan Schut, class of 2019

When I applied for the Peru rotation back in December, I didn't know what to expect. What surprised me though was that I was the only pharmacy student going on the trip. Our group is comprised of two nursing faculty, one pharmacy faculty, another pharmacist, and 18 nursing students. We met a few times for informational meetings before our trip, but not enough to get to know each other. What I've found here in Iquitos is a close community of health care providers all working together toward a common goal. I was amazed at how welcoming and caring all the nursing students have been. We've only been working together for six days, but we collaborate so well that it would appear we've known each other for months. We have been joined by a facial/cranial trauma surgeon as well. While we're here, we are working with the People of Peru Project, their interpreters, and volunteers.

With another two weeks of the program to go, I feel we've already accomplished a lot. We've done a number of activities such as exploring the Belen market where most of the surrounding communities purchase their food and other goods, doing a community assessment, visiting people's homes, touring a local hospital, clinic, special needs school, and the botanical garden of natural medicine. The two clinics we have completed so far have been very educational. The first was at a women's prison. We are the first group to ever be allowed to give a medical clinic at that facility. We could not help with every woman's medical problems, but we could validate them by listening to their stories and conversing with them in a manner that shows we care. Being our first clinic, it took a bit of getting used to, there were a few things that we forgot to bring, however it was helpful for the next clinic. During the slow times in the pharmacy we were able to go out to the assessment teams to help diagnose and give input on optimal drug selection. Our second clinic was in a local neighborhood. We had approximately 200 patients throughout the day. Again, we could not help every individual with our limited formulary, but together pharmacy, nursing, and dental were able to work together to educate people about how to take care of themselves.

Before each of the clinics we did prep work, which gave me the opportunity to educate the nursing students on the varying roles of pharmacists, technicians, and assistants. All of the nursing students are very appreciative of the pharmacists they have worked with and now have more a working idea of what they do. We have discovered the importance of documentation and communication as a team. Even when everyone's in one room within 30 feet of each other, it is amazing how difficult it is to get the full picture of one patient visit. We have had several nursing students rotate through the pharmacy and everyone is willing to go wherever they are needed in order to help as many people as possible. Everything here is so different from what I am used to, and time seems to be flying by. When I signed up, I thought three weeks sounded like a long time, but being here and seeing the smiles on people's faces when we visit their communities and set up our clinics is very rewarding. I wish I had more time here. In the big picture we are just a drop in the bucket, but I think any life we can impact in a positive way is worth the time and effort.



FACULTY SCHOLARSHIP

Publications

- Pharmacotherapy Professor and Associate Dean for Professional and Continuing Education **Danial E. Baker** published, "Drug evaluation – fostamatinib (Tavalisse): preliminary evaluation," in Wolters Kluwer Health's The Formulary Monograph Service (FMS) in May 2018. Wolters Kluwer Health is a

drug and health information publisher, the FMS is a resource used in the formulary decision making process for hospitals and managed care systems on recently released and investigational drugs.

- **Danial Baker** and Pharmacotherapy Clinical Associate Professor **Julie M. Akers** published, “Drug evaluation – tezacaftor/ivacaftor (Symdeko),” in the FMS in May 2018.
- **Danial Baker** and Pharmacotherapy Resident in Drug Information **Kalvin Stoker** published, “Drug evaluation – dasotraline: preliminary evaluation,” in the FMS.
- Pharmacotherapy Clinical Professor **Terri L. Levien** and **Danial Baker** published, “Drug evaluation – bictegravir / emtricitabine / tenofovir alafenamide (Biktarvy),” in the FMS in May 2018.
- **Danial Baker** published, “Drug utilization evaluation – bictegravir / emtricitabine / tenofovir alafenamide (Biktarvy),” in the FMS in May 2018.
- **Danial Baker** published, “Drug evaluation – Lutetium Lu 177 dotatate (Lutathera),” in the FMS in May 2018.
- **Kalvin Stoker**, **Terri Levien** and **Danial Baker** published, “Zoster vaccine recombinant, adjuvanted,” in the independent, peer-reviewed journal Hospital Pharmacy in April 2018. (136-141 DOI: 10.1177/0018578718767103)
- Pharmacotherapy Clinical Associate Professor **Kimberly C. McKeirnan** and one co-author published, “Transforming pharmacy practice: advancing the role of technicians,” in the journal Pharmacy Today, an official publication of the American Pharmacists Association, on June 7, 2018. (Volume 24, Issue 6, Pages 54–61) [Read article »](#)
- Pharmacotherapy Clinical Assistant Professor **Cheyenne C. Newsome** and three co-authors published, “Breadth of statistical training among pharmacy residency programs across the United States,” in Hospital Pharmacy in April 2018. [Read article »](#)
- Pharmaceutical Sciences Postdoctoral Research Associate **Jin Gao** (Z. Wang lab), Pharmaceutical Sciences Assistant Research Professor **Zhenjia Wang** and one co-author published the invited review article, “Outer membrane vesicles for vaccination and targeted drug delivery,” in the April 2018 issue of the journal WIREs Nanomedicine and Nanobiotechnology, a peer-reviewed journal from Wiley Interdisciplinary Reviews. [Read article »](#)
- Pharmaceutical Sciences Postdoctoral Research Associate **Canyang Zhang** (Z. Wang lab), **Zhenjia Wang** and three co-authors published the invited review article, “Neutrophil-based drug delivery systems,” in the March 2018 issue of Advanced Materials, a weekly peer-reviewed scientific journal. [Read article »](#)

Presentations

- Pharmaceutical Sciences Assistant Professor **Shobhan Gaddameedhi** presented the keynote lecture, “Emerging roles of the circadian clock in skin cancer prevention and melanoma therapy,” at the Penn State Seventeenth Annual Melanoma Mini-Symposium on May 21, 2018, in Hershey, Pennsylvania.
- Allen I. White Distinguished Associate Professor **Joshua J. Neumiller** presented, “Insulin update: new and emerging insulins,” at the American Diabetes Association’s (ADA) 33rd Annual Clinical Conference on Diabetes on May 26, 2018, in Naples, Florida.

- **Joshua Neumiller** and one co-author presented, “An insulin workshop,” at the ADA’s 33rd Annual Clinical Conference on Diabetes on May 26.
- **Josh Neumiller** presented “Management of hyperglycemia in Type 2 diabetes,” at the ADA’s 78th Scientific Sessions on June 22, 2018, in Orlando, Florida.
- Pharmaceutical Sciences Assistant Professor **Hui Zhang** presented, “Chronic alcohol consumption enhances cancer-associated cachexia: the role of myostatin-TNF- α axis,” for the 41st Scientific Meeting of the Research Society on Alcoholism in San Diego, California, on June 19, 2018.
- **Hui Zhang** and Pharmaceutical Sciences Postdoctoral Research Associate **Faya Zhang** (H. Zhang lab) presented the poster, “Chronic alcohol consumption exacerbates murine cytomegalovirus infection via impairing non-specific and specific NK activation in mice,” at the 41st Scientific Meeting of the Research Society on Alcoholism on June 18, 2018. Co-authors included Pharmaceutical Sciences Visiting Scientist Yuanfei Li (H. Zhang lab) and one other.
- Pharmaceutical Sciences Postdoctoral Research Associate **Jeevan GC** (Natesan lab) and Pharmaceutical Sciences Assistant Professor **Senthil Natesan** presented the poster, “Specifics of non-specific drug-membrane interactions affecting drug action and disposition: membrane permeability, location, and orientation,” at the Experimental Biology 2018 ASPET conference, in San Diego, California, on April 24, 2018.
- **Jeevan GC** and **Senthil Natesan** presented the poster, “Ligand partitioning of drugs: bilayer location, orientation, and conformation studied by molecular dynamics simulation,” at the Inland Northwest Symposium in Spokane, Washington, on April 10, 2018.

Service

- **Joshua Neumiller** has been added as an advisory board member for [Diabetes in Control](#), a website and news service for medical professionals regarding new developments in the management of diabetes.
- Pharmaceutical Sciences Professor and Associate Dean for Faculty and Student Development **Katheryn E. Meier** has been appointed to 2018-2019 American Association of Colleges of Pharmacy Research and Graduate Affairs Committee.
- Pharmacotherapy Academic Fellow **Nicole Perea** and **Joshua Neumiller** participated in the Ask a Specialist session at the Taking Control of Your Diabetes (TCOYD) Conference & Health Fair in Spokane, Washington, on June 2, 2018, where they conducted one-on-one consultations with people living with diabetes.
- **Joshua Neumiller** participated in the session titled, “Tips for Type 1s given by real world Type 1s,” at the TCOYD Conference & Health Fair on June 2.
- **Joshua Neumiller** has been named a Fellow of the American Association of Diabetes Educators (FAADE).

Awards

- Pharmaceutical Sciences Clinical Assistant Professor **Connie Remsberg** was selected as the Department of Pharmaceutical Sciences Teacher of the Year by her department peers.
- **Terri Levien** was selected as the Department of Pharmacotherapy Teacher of the Year by her department peers.

- **Zhenjia Wang** was selected as the Department of Pharmaceutical Sciences Researcher of the Year by his department peers.
- **Kimberly McKeirnan** was selected as the Department of Pharmacotherapy Researcher of the Year by her department peers.
- Pharmaceutical Sciences Assistant Professor **Travis Denton** received the Department of Pharmaceutical Sciences Service Award from the department chair.
- **Joshua Neumiller** received the Department of Pharmacotherapy Service Award from the department chair.
- **Shobhan Gaddameedhi** received a Career Development Award from the U.S. Department of Defense Peer Reviewed Cancer Research Program.

Grants

- **Shobhan Gaddameedhi** received \$550,656 over three years from the U.S. Department of Defense Cancer Research Program for the project titled, “Harnessing the circadian clock to alleviate ionizing radiation-induced toxicity during melanoma therapy.”

STUDENT ACHIEVEMENT

Doctor of Philosophy (Ph.D) students

- **Xinyue Dong** (pharmaceutical sciences, Z. Wang lab), **Xutong Shi** (pharmaceutical sciences, Z. Wang lab), **Canyang Zhang**, faculty co-author **Zhenjia Wang** and one other published the invited review article, “Neutrophil-based drug delivery systems,” in the March 2018 issue of *Advanced Materials*. [Read article »](#)
- **Ana Vergara** (pharmaceutical sciences, Lazarus lab) received the FASEB Mentored Poster/Platform Presenter Award in the amount of a \$1,000 travel award to attend the Experimental Biology 2018 ASPET conference in San Diego, California, April 21 - 25, 2018.
- **Ana Vergara** received a James and Diann Robbers Student travel award in the amount of \$500 to attend the Experimental Biology 2018 ASPET conference.
- **Shannon Kozlovich** (pharmaceutical sciences, Lazarus lab) received an ASPET travel award in the graduate and postdoc student category to attend the Experimental Biology 2018 ASPET conference.
- **Shannon Kozlovich** received an Associated Students of Washington State University Health Sciences travel award to attend the Experimental Biology 2018 ASPET conference.
- **Shannon Kozlovich** received a WSU College of Pharmacy Deans Travel Award funded through the Sue Harriet Monroe Mullen Graduate Fellowship Fund in April.
- **Aimee Sutliff** (pharmaceutical sciences, Lazarus lab) received an \$800 travel award from the American Society for Pharmacology and Experimental Therapeutics (ASPET) in April 2018.
- **Yadira Pérez-Páramo** (pharmaceutical sciences, Lazarus lab) received an \$800 Underrepresented Graduate Student Travel Award to attend the Experimental Biology 2018 ASPET conference.

- **Yadira Pérez-Páramo** received the James and Diann Robbers Student travel award from the WSU College of Pharmacy in the amount of \$500 to attend Experimental Biology 2018 ASPET conference.
- **Yadira Pérez-Páramo** was selected by ASPET for the 2018-19 cohort of the ASPET Mentoring Network, which is a program that provides career development and coaching for graduate students and postdoctoral trainees.
- **Sihan Wang** (pharmaceutical sciences, Z. Wang lab), **Jin Gao** and faculty co-author **Zhenjia Wang** published the invited review article, “Outer membrane vesicles for vaccination and targeted drug delivery,” in the April 2018 issue of the journal WIREs Nanomedicine and Nanobiotechnology, a peer-reviewed journal from Wiley Interdisciplinary Reviews. [Read article »](#)
- **Ruby Siegel** (pharmaceutical sciences, Ahmed lab) with faculty mentor Pharmaceutical Sciences Associate Professor **Salah-uddin Ahmed** received a Medical and Graduate Student Preceptorship Award in the amount of \$4,000 over one year from the Rheumatology Research Foundation for the project, “Investigating the role sulf-2 in cytokine signaling in rheumatoid arthritis synovial fibroblasts.”
- As part of the Medical and Graduate Student Preceptorship Award, **Ruby Siegel** received a travel award to attend the American College of Rheumatology/Association of Rheumatology Health Professionals annual meeting October 19-24, 2018, in Chicago.
- **Christopher Szlenk** (pharmaceutical sciences, Natesan lab) with faculty co-author **Senthil Natesan** and three others presented the poster, “Pharmacophore-based virtual screening for gamma-hydroxybutyrate (GHB) receptor ligands,” at the Inland Northwest Symposium in Spokane, Washington, on April 10, 2018.
- **Sara Dumit** (pharmaceutical sciences, Tolmachev lab) successfully defended her doctoral dissertation titled, “Development of a new compartmental model for plutonium decorporation therapy,” on May 14, 2018.
- **Ana Vergara** received the 2018 AWIS Star Chapter and Affiliate Award for AWIS Inland Northwest – WSU affiliate group, of which she is the founder and president.
- **Shannon Kozlovich** received a 2018 WSU Spokane Chancellor’s Award for her advocacy and work as the Associated Students of Washington State University (ASWSU) director of legislative affairs.
- **Sara Dumit** with faculty co-authors U.S. Transuranium and Uranium Registries (USTUR) Assistant Research Professor **Maia Avtandilashvili**, Pharmaceutical Sciences Research Professor and USTUR Director **Sergei Tolmachev**, and one other published, “USTUR Case 0785: modeling plutonium decorporation following complex exposure,” in Health Physics. This paper will be included in the USTUR special issue of Health Physics.
- **Soumyadeep Sarkar** (pharmaceutical sciences, Gaddameedhi lab) presented, “Circadian clock regulates melanogenesis through MITF in mouse and human,” at the session Daily Datablitz at the Society for Research on Biological Rhythms 2018 meeting held in Amelia Island, Florida, on May 13, 2018.
- **Soumyadeep Sarkar** and **Panshak Dakup** (pharmaceutical sciences, Gaddameedhi lab) with faculty co-author Pharmaceutical Sciences Assistant Professor Shobhan Gaddameedhi and Pharmaceutical Sciences Research Technologist Kenneth Porter presented the poster, “Circadian clock regulates melanogenesis through MITF in mouse and human,” at the Society for Research on Biological Rhythms 2018 meeting.

- **Panshak Dakup** with faculty co-author **Shobhan Gaddameedhi** and Kenneth Porter presented the poster, “Circadian clock protects against radiation-induced dermatitis and cardiomyopathy in mice,” at the Society for Research on Biological Rhythms 2018 meeting.
- **Eugene Y. Kim** (pharmaceutical sciences, Ahmed lab) and **Mahamudul Haque** (pharmaceutical sciences, Ahmed lab) with faculty co-authors **Salah Ahmed**, Pharmaceutical Sciences Staff Scientist **Anil Singh** (Ahmed lab) and three others published, “Ursolic acid facilitates apoptosis in rheumatoid arthritis synovial fibroblasts by inducing SP1-mediated Noxa expression and proteasomal degradation of Mcl-1,” in The FASEB Journal, a publication from the Federation of American Societies for Experimental Biology, on May 25, 2018. [Read abstract »](#)
- **Shannon Kozlovich** was selected as an advocacy delegate for the American Society for Biochemistry and Molecular Biology (ASBMB). Her term will run June 2018 through December 2018. She is one of 10 delegates selected from around the country to be a regional leader for science advocacy through the pilot ASMBM advocacy training program. She plans to focus on advocacy for biomedical science funding, graduate programs, and the ability to fund much needed marijuana research. She will be meeting with city, state, and federal legislators to talk to them about the advocacy topics she is developing.

Doctor of Pharmacy (Pharm.D.) students

- The WSU Yakima chapter of the Student National Pharmaceutical Association (SNPhA) put together a highlight video showcasing their work over the last year. The video is posted to the chapter Facebook page. [View video »](#)

JOBS

- Clinical Assistant Professor: Kootenai Health
- Clinical Assistant Professor: Pharmacotherapy, Providence St. Peter Hospital Olympia
- Clinical Assistant Professor: Pharmacotherapy, Virginia Mason Memorial Hospital



College of

Pharmacy and Pharmaceutical Sciences

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