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 nauseum) 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,
UPCOMING EVENTS

**JULY 7**
Coug Day at the Mariners
Join us for a reception before the game!
[View details]

**AUG. 10**
Research Day
WSU Health Sciences
Spokane, Wash.
[View details]

**AUG. 16**
White Coat Ceremonies
August 16–17
Yakima, Wash. & Spokane, Wash.

**SEPT. 28**
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.
[Read more »]

**Student pharmacist to serve in national advocacy role**
David Bunch has been appointed to the American Pharmacist Association – Academy of Student Pharmacists’ (APhA-ASP) Policy Standing Committee.
[Read more »]

**Graduate student recognized for excellence in service**
Shannon Kozlovich, a graduate student studying pharmaceutical sciences, 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.
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 likeminded 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 healthcare. 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. Read more »

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 »

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

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.
- 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

https://apps.pharmacy.wsu.edu/
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.
- Josh Neumiller presented “Management of hyperglycemia in Type 2 diabetes,” at the ADA’s 78th Scientific Sessions on June 22, 2018, in Orlando, Florida.
- 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.

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

- **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** 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.
- **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 Aytandilashvili**, 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
- **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

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**College of Pharmacy and Pharmaceutical Sciences**

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