

# DAWG SCRIPTS

PHARMACY ALUMNI ASSOCIATION & SCHOOL OF PHARMACY NEWS

FALL 2014



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SCHOOL OF PHARMACY  
UNIVERSITY of WASHINGTON

“It was a small church in a village in Nicaragua. There were no lights, no electricity, and for three days our UW Pharmacy students saw almost 900 patients.” – *Professor Don Downing*

# DAWG SCRIPTS

Produced by the UW School of Pharmacy, with support from the Pharmacy Alumni Association (PAA)

Editor and Writer: Sarah C.B. Guthrie  
Contributors: Thomas Baillie, Sarah Egan, Claire Forster, Jennifer Glasco, Jordan Han, Sean Sullivan, Andria Sherrow  
Designers: Sarah C.B. Guthrie, Karin Mellskog and Jessie Schutzenhofer, UW Creative Communications

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## CONTACT PAA

UW School of Pharmacy  
Box 357631  
Seattle, WA 98195  
(206) 616-7613  
rxalumni@uw.edu  
sop.washington.edu/paa

## Connect:

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## On the cover:

UW School of Pharmacy Global Brigade with children in the village Esteli, Nicaragua. See story on page 9.

# From the PAA President



THE LIGHT IS STARTING TO CHANGE, the days are getting shorter—all which means that autumn is coming. With the return of fall, we know there are several major milestones for our community ahead. New students will soon arrive at the School of Pharmacy, marking the start of careers for the next generation of pharmacists. An array of conferences will showcase the research and accomplishments of our colleagues, faculty, and students. We will gather together at Homecoming to reconnect with old and make new Dawg friends. And we will see changes in leadership, for the School of Pharmacy with faculty

member Sean Sullivan taking the helm as Dean, and a new president for PAA.

Many of you know I've been the President of PAA for several years now. I'm happy to share with you that Gary Harris, '72, stepped forward to become the incoming President of PAA. He was elected unanimously by the PAA board and we are thrilled that he has agreed to pick up the leadership baton.

Gary works full time at QFC and has a deep commitment to the role pharmacists can play in the healthcare system. Gary is one of two original pharmacist Certified Diabetes Educators in Washington state and is a former board member of WADE (Washington Association of Diabetes Educators).

He has been active on volunteer boards for years. He has been on the WA Pharmacy Quality Assurance Commission (PQAC) for 10 years, having held the position of Vice Chair and Chair of PQAC in the past. He is the former president of Washington State Parent Teacher Association (PTA) and was awarded the Golden Acorn, which recognizes a volunteer for dedication and service to children and youth. He is the former president of his homeowner's association and former member of his church council.

Yet with all that, as busy as he is, Gary has continued to be a strong supporter of the School and a long time PAA member. Please join me in welcoming Gary as our incoming PAA President!

This issue of Dawg Scripts takes a look at all the ways in which our support as alumni make a difference: from scholarships that supports a student who is struggling to make ends meet, to an outstanding preceptor alumnus who directly and positively affects the future of pharmacy practice by mentoring student pharmacists, to pharmacists who take time out of their daily schedules to volunteer for a day with the innovative UW health sciences Interprofessional Education program. Your contributions to the school make a difference.

One of the easiest ways you can support the school is to become a member of PAA. Your membership gives you access to great alumni events like Homecoming, class reunions, and the annual Katterman lecture, recognizes our Distinguished Alumni, supports the publication of Dawg Scripts, and makes possible the PAA Student Scholarships, awarded annually to deserving students. If you are not already a member of PAA, I invite you to join by visiting the PAA page at [sop.washington.edu/PAA](http://sop.washington.edu/PAA). If you are a member, thank you for your continued support.

Jennifer Glasco, '09, President, Pharmacy Alumni Association

The Pharmacy Alumni Association (PAA) Gift Fund supports the UW PAA Scholarship, the PAA Professional Excellence Award, and other PAA programs. To make a gift, go to [sop.washington.edu/PAAFund](http://sop.washington.edu/PAAFund). Thank you!

# From the Dean

THIS ISSUE OF DAWG SCRIPTS MARKS MY LAST, in the role as Dean of the UW School of Pharmacy. The past six years have been challenging ones, particularly given the state of the economy, and I have been grateful for this opportunity to serve the School, the university, our alumni, students, faculty, and staff.

You will, by now, have learned of the appointment of Sean Sullivan as Dean of the School of Pharmacy, effective September 15, 2014. I could not be more pleased with the selection of Sean as my successor in this role. Sean's knowledge of the School, our instructional and research programs, and the profession, together with a strong vision for the future of academic pharmacy, will combine to make him an outstanding Dean.

Throughout this issue of Dawg Scripts, you will see stories showcasing how your contributions to the School make a difference not only to our faculty and students, but also for our community and the world.

In June, under the leadership of Professor Don Downing, a team of students traveled to Nicaragua with Global Brigade. In just a few days, they met with hundreds of patients, providing over the counter and prescription medications for a host of health problems. Students had to pay their own expenses for this trip and held several fundraising events. To support them, the School gifted funds from the Dean's Fund for Excellence. This fund is one of dozens of ways to support the research and professional development of our faculty and students.

Our School trains leaders in pharmacy. You'll read about the four students who came together to create an award-winning business plan for Fairhaven Pharmacy in Fairhaven, Washington (page 8). This devoted team of students identified key tactics and strategies that would continue to grow and develop this important community resource.

Every day we are educating the pharmacists and researchers who will make a difference for the future of pharmacy and we invite you to be a part of that process. The gifts shared are not always financial – often it is expertise or time that is given and deeply appreciated. If you wish to donate your time and expertise we have an abundance of opportunities in our Interprofessional Education program as well as serving as preceptors to our students in training (see pages 13 and 15).

It is with great sadness that I tell you we lost a good friend of the School this summer. Scott Grimm was not an alumnus, but a devoted member of our Corporate Advisory Board where he represented the drug metabolism group at AstraZeneca. We will miss his great spirit, good humor, and kindness.

I will stay on until the end of September before I commence my 12-month administrative leave and I want to say what a privilege it has been to serve as Dean of this superb School for the past six years. It has truly been a pleasure working with all of you, and I look forward to interacting with many of you again upon my return to the regular faculty in the fall of 2015. Thanks again for all your support over the years!

Sincerely,



Thomas A. Baillie, PhD, DSc  
Dean, UW School of Pharmacy



## Upcoming Events

### School of Pharmacy Professional Networking Day

October 10 ~ 3 p.m.  
Husky Union Building (HUB)  
UW Campus, Seattle

### National Community Pharmacists Association (NCPA) Convention

October 18-22  
Austin, TX

### International Society for the Study of Xenobiotics (ISSX) Meeting

October 19-23  
San Francisco, CA

### Awards & Lectures (see page 7)

October 21 ~ 2 p.m.

### UW Pharmacy Reception

October 21 ~ 5 p.m.

### School of Pharmacy Homecoming

October 24 ~ 5:30 p.m.  
Graham Visitors Center at  
Washington Park Arboretum  
Seattle, WA

For more information, see Events at  
[sop.washington.edu](http://sop.washington.edu)

# Getting to Know Our Incoming Dean: Professor Sean Sullivan

AN EDUCATOR AND RESEARCHER AT HEART, Sean Sullivan has been a member of the UW faculty since 1992 and is recognized as an international leader in pharmacy education and pharmaceutical policy research. Sean holds a joint appointment as professor of Health Services in the School of Public Health and held, until his appointment as Dean, the Stergachis Family Endowed Director of the UW Pharmaceutical Outcomes Research and Policy Program (PORPP), and co-Director of the UW Centers for Comparative and Health Systems Effectiveness (CHASE Alliance). He also holds adjunct appointments in the School of Medicine, the Public Health Sciences Division at the Fred Hutchinson Cancer Research Center, and at Group Health Research Institute.

A faculty member first, Sean emphasized that deepening his connections to the practice and research community – both internally and externally – will shape his leadership. We talked with him to learn more about his priorities and next steps in this new role.

**DS:** You are joining a great tradition of UW Pharmacy Deans. How have the prior deans influenced you?

**SS:** I was hired by Milo Gibaldi and served in my previous role as Director of PORPP under Sid Nelson and Tom Baillie. I have tremendous respect for each of these three Deans and the work they did for the School during their tenure. Milo was beloved because of his engagement with faculty, students and the community. Similarly, Sid had a style that made everyone feel so connected to him and the school. Tom has led us through very difficult economic times all while securing full reaccreditation, with no stipulations or caveats. The business sensibility Tom brought from his time at Merck allowed the school to thrive, despite numerous external challenges. Thanks to the commitment

and decades of steady leadership, we are in a great position to move forward and to continue to grow.



**DS:** What drew you to lead UW Pharmacy?

**SS:** We are a unique and vibrant institution – among the absolute best in the world. UW ranked #3 in the world for Clinical Medicine and Pharmacy by Shanghai Jiao Tong University, based in large part on the work of our faculty and the success of our students. When you dig into the data more deeply, UW Pharmacy ranks #2 for faculty productivity because the top-rated program – Harvard – does not have a School of Pharmacy. Our research mission is as critical to the school and the university as our educational mission. As dean, I will actively work to keep that balance and ensure that the scientific mission is supported, and that we are training the next generation of pharmacists and research scientists. This mission engages me on a personal and professional level. And it speaks to all of us who work here. We could have made other choices with our careers. I am drawn to the model of shared governance and the role a non-profit, public university can play locally, regionally, nationally, and globally. We are here to serve the larger community through our educational and scientific mission.

**DS:** What do you want our readers to know about you?

**SS:** Pharmacy is family for me. I started my career as a community pharmacist in California at Wapples Pharmacy in Hollister after completing my degree in 1983 from Oregon State University. My wife, Catrena Sullivan, is a pharmacist. She graduated in 1990 from Oregon State University and is licensed in Washington State. Before taking a break to focus on our two children, Kiera and Aidan, she worked locally at Bartell's and Kelly-Ross Pharmacy.

**DS:** What's your vision for the school?

**SS:** Actually, I think the vision for the school is one that must be framed by and shared amongst us all. To articulate it, we will have a strategic planning process out of which the vision will emerge. It will be a collaborative process that involves all our stakeholders: faculty, students, staff, alumni, preceptors, and the larger community. We know we can't be everything to everyone, so we have to be thoughtful about where we place our limited resources. Ultimately, we want highly skilled pharmacists and scientists who think back on their time at UW Pharmacy with fondness and a willingness to stay connected with the institution. We want our faculty and staff to enjoy working here as that will lead to a great student experience.

**DS:** What are some of your plans for your first months as dean?

**SS:** There are three key priorities: creating our strategic plan; looking for ways to improve the overall student experience; and taking interprofessional education to the next level.

**DS:** How will the strategic plan be developed and used?

**SS:** Creating the strategic plan will be an inclusive process led by Mary Hebert and the Senior Leadership Committee. In that plan we will identify the top priorities for the school. Once

the strategic plan is developed, we will use it to guide decision making at the School and to communicate our mission and areas of focus to external stakeholders.

**DS:** What do you want for our students?

**SS:** Our students are amongst the very best. We hear consistently about the positive experience they have while they are here. That said, there are always opportunities to improve and find new ways to make a terrific, truly world-class experience, from start to finish. That is one major area of focus for me.

**DS:** How do you see Interprofessional Education adding to the student experience?

**SS:** To meet the challenges of a changing health care delivery system and reaccreditation requirements, we must create a plan to fully integrate the interprofessional approach to our curriculum. By doing so, we will prepare our student pharmacists for the

**“We have had the great good fortune to have him on our faculty for the past 22 years. We are excited about his moving into this important leadership position in our School of Pharmacy. We are especially gratified when we find the talent we are looking for to be essentially home grown”**

**ANI MARI CAUCE, PROVOST & EXECUTIVE VICE PRESIDENT OF THE UNIVERSITY OF WASHINGTON**

future of medical practice in the age of accountable care and fixed payments. Pharmacists will be an active part of the patient’s medical team and our students will not only be prepared, they will be leaders in this new model. Having pharmacists responsible for therapeutic treatment strategies makes sense. In collaboration with doctors and nurses, this new model will make better patient-centered decisions and improve outcomes.

**DS:** How do you see your role as dean carrying out these initiatives?

**SS:** Internally, it’s a matter of working collaboratively with faculty leadership

who are willing to give time and energy to see these initiatives through. Externally, it’s about getting out and activating our alumni. I will be going out regularly to connect with our alumni and the professional and scientific community. As dean, I have an opportunity to spread the mission of our school and help our students and faculty become even more successful than they already are. I take that responsibility seriously.

**DS:** That’s an ambitious set of priorities. How can our alumni make a difference?

**SS:** I will be looking to our alumni for input on the strategic plan. Our alumni are critical to our success. As I am out and about I will be talking with our alumni, asking them what the school can do for them and how we can grow the school’s success together. We will continue to get better and better every year. I want our alumni to be proud of their school.

## PORPP Faculty Member Garrison Named Interim Director

LOU GARRISON, PHD, HAS BEEN APPOINTED AS INTERIM DIRECTOR for the Pharmaceutical Outcomes and Research Policy Program (PORPP). With a background in economics, Garrison has said he plans to continue to build on the success PORPP has accrued over fifteen years, including the selection of a new director. “Lou’s ten years as Associate Director of PORPP make him the ideal person to lead the Program until a permanent Director is appointed,” said Sean Sullivan.

Garrison is Professor in PORPP in the Department of Pharmacy and Adjunct Professor in the Departments of Global Health and Health Services, where he joined the faculty in 2004. In 2013, he completed a sabbatical as Visiting Senior Research Fellow at the Office of Health Economics in London. In the 12 years before joining UW, he



worked as an economist in the pharmaceutical industry where he oversaw the development of the economic and pricing strategies, and research plans for all Roche compounds. Garrison’s research interests include national and international health policy issues related to pharmacogenomics and

personalized medicine, regulatory benefit-risk analysis, insurance, pricing, reimbursement, and risk-sharing agreements, as well as the economic evaluation of pharmaceuticals, diagnostics, devices, surgical procedures, and vaccines, particularly as related to organ transplantation, renal disease, influenza, measles, obesity, and cancer.

“I’ve been fortunate, particularly given how prestigious the program is, to be a part of PORPP for a number of years,” said Garrison. “I want to build on the foundation built by Sean and Andy [Stergachis] and support the transition to an even stronger future. Pharmacists play a valuable role in the health care sector, and their impact will be further enhanced by a sound understanding of the economic issues that affect the appropriate use of medicines.”

# From Belgrade to Belltown: Serbian Fulbright Visiting Scholar Researches Experiential Pharmacy Education at the UW

IT'S NOT OFTEN A PROMINENT RESEARCHER FROM SERBIA comes to UW Pharmacy as a Fulbright Visiting Scholar. Dr. Jelena Parojčić is an associate professor in the Department of Pharmaceutical Technology at the University of Belgrade In Serbia. Her areas of research include Biopharmaceutical aspects of Drug Delivery; Drug Release Mechanisms In Vitro and In Vivo; and Bioperformance Dissolution Testing. She has a great interest in professional development of pharmacy faculty and the modernization of pharmacy curriculum and experiential education. We sat down with Dr. Parojčić to learn more about her six months here.



**DS:** How did you choose the UW School of Pharmacy?

**JP:** I came to Seattle four years ago and was deeply impressed by the city, especially the University of Washington campus and library. The Fulbright selection committee discourages scholars from choosing the most competitive schools, to improve their chances. I knew I wanted to be at UW School of Pharmacy as it has the best experiential education curriculum. Even though it was competitive, I approached colleagues here at UW

**JP:** I wanted to attend the American Association of the Colleges of Pharmacy (AACP) conference in late July to network with colleagues from all over the United States. The conference was very useful for my project. Unlike the EU version which does not have decision-making authority, the conversations that occur at AACP become recommendations and then guidelines for schools of pharmacy. There are new accreditation standards and I look forward to seeing in December how the process

teaching – involving the students in their own learning more than through traditional lectures. When I return to Belgrade, I will work with my colleagues to introduce this approach to our courses. I will also work to establish the Teaching in Pharmacy Education program for faculty and preceptors at the University of Belgrade and look forward to continuing my collaboration with colleagues from UW School of Pharmacy on the development and delivery of the relevant curricula.

**“I knew I wanted to be at UW School of Pharmacy as it has the best experiential education curriculum. Even though it was competitive, I approached colleagues here at UW with a project proposal and applied for and got the Fulbright Visiting Scholar grant, working with the School’s Office of Pharmacy Professional Education (OPPE).”**

JELENA PAROJCIC

with a project proposal and applied for and got the Fulbright Visiting Scholar grant, working with the Office of Pharmacy Professional Education.

**DS:** What did you research here?

**JP:** I am part of a European Union (EU) project aimed at the modernization of pharmacy education in Serbia. We are expanding and improving the experiential education curriculum. The US has an established system for experiential pharmacy education; and Europe is still struggling to find a model.

**DS:** Besides the great weather, why did you come out in the spring and summer?

I observed influenced the outcome. Smaller countries, like Serbia, are trying to figure out whether to adopt national standards for pharmacy education or collaborate with other EU countries and create regional standards. It’s an area that needs more research.

**DS:** What was the academic highlight for you?

**JP:** I was very interested in faculty development and was able to meet with colleagues in the Department of Pharmacy to learn more. I’ve attended the Teaching Certificate Program in Pharmacy Education and was able to experience active learning first hand. To me, this is a way to transform our

**DS:** How do you think the students will respond to a different approach to teaching?

**JP:** I think it will be difficult at first, but in the long run, I think they will see the benefits of this approach. I plan to share these techniques with my colleagues too, so they can incorporate them into their classrooms. The connections I made here are so important to me and I would like to continue and extend this collaboration between Southeastern Europe and the Pacific Northwest.

**DS:** What surprised you about your time here in Seattle?

**JP:** Seattle is such an exciting place with state of the art technology – one student wore Google glasses. My apartment building had a drone flying outside its windows a few weeks ago and it was all over the news. I was fascinated with all the different scientific research stories on UW Today email. Seattle is a beautiful, international city – Seattleites are very modest about how wonderful it is!

# SCHOOL & FACULTY *news*

University of Washington is #3 in the world for clinical medicine and pharmacy. The ranking is based on highly cited researchers, faculty and alumni productivity, according to the 2014 Academic Ranking of World Universities, Shanghai Jiao Tong University.

Dean Thomas Baillie was recognized as one of the topmost cited researchers in the area of Pharmacology & Toxicology.



The Thompson Reuters Highly Cited Researchers list identifies over three thousand researchers worldwide whose research was among the top 1% most cited for their

subject field and year of publication. Baillie's research focused on understanding the biochemical mechanisms involved in the metabolism of drugs to chemically reactive metabolites ("metabolic activation"). Many such reactive intermediates are toxic to the cells they encounter, and by gaining knowledge of the identities of these metabolites, it becomes possible to rationally alter the structure of the parent drug to avoid metabolic activation, and thereby design a safer medicine. "Much of this research began at UW when I was a faculty

member before I went to the private sector," said Baillie. "I collaborated with many colleagues here on this work, most especially Sid Nelson."

*Value in Health* published Dr. Beth Devine's research with Everett Clinic that showed the dramatic impact electronic prescribing could have in both small (1-20 providers) and midsize medical groups (up to about 400 providers). The researchers estimated that in a five-year span, a basic electronic prescription system would save \$18 million and result in 1.5 million fewer medication errors. See the full story at <http://hsnewsbeat.uw.edu/story/e-health-records-big-value-small-practices-too>.

Jeannine McCune, PharmD, was announced as the newest Associate Editor of the *Clinical Pharmacology & Therapeutics* the official scholarly publication of the American Society of Clinical Pharmacology and Therapeutics (ASCPT). Additionally, Dr. McCune was elected a Fellow of the American College of Clinical Pharmacy and will be recognized during the College's 2014 Annual Meeting.



Julia F. Slejko, PhD, Postdoctoral Fellow at the Pharmaceutical Outcomes Research and Policy Program at the University of Washington School of Pharmacy and researchers from Regis University School of Pharmacy, and University of Colorado published a practical approach to adherence modeling in the recent issue of *Value in Health*. They described a novel method to convert an "adherence-naïve" base-case Markov model of statin therapy into a dynamic adherence model by incorporating real-world adherence and effectiveness rather than assuming static adherence and trial-based efficacy world effectiveness.

Jennifer Danielson will serve on the Outcomes and Assessment Core as part of the Center for Leadership & Innovation in Medical Education (CLIME), formerly the Center for Medical Education. CLIME was created to advance and support educational excellence at the UW School of Medicine and throughout the WWAMI region.



Please join us in congratulating Assistant Dean of Advancement Claire Forster on the arrival of her baby Lena this summer. Mom and baby are thriving.

## Baillie and Isoherranen Selected for Prestigious ISSX Awards

NOT ONE, BUT TWO OF OUR FACULTY were selected to receive the *only* awards given by The International Society for the Study of Xenobiotics (ISSX). Dean Tom Baillie was selected for the North American Scientific Achievement Award and faculty member Nina Isoherranen, PhD, was selected for the North American New Investigator Award.

Baillie has made major contributions to the understanding of the metabolism of xeno- and endobiotics and is internationally recognized for his seminal contributions in this area of scientific research. Said one

of his nominators, Dr. Paul Ortiz de Montellano of the University of California, San Francisco, School of Pharmacy, "Tom Baillie is an internationally recognized scientist who continues to flourish and to have a broad impact on the field of drug metabolism."

Dr. Nina Isoherranen has become recognized in the fields of drug metabolism and pharmacokinetics through the establishment of a diverse and productive research program. According to Professor Edward T. Morgan of Emory University, "Key attributes that define the most

successful and impactful researchers are breadth, scientific acumen, and good judgment. Dr. Isoherranen has all of these. She is a rising star in the drug metabolism field."

Both awards will be presented at the 19th North American ISSX Meeting at a special session on October 21 at 2 p.m., followed by scientific lectures by the awardees. UW Pharmacy will host a reception for alumni, faculty, and friends at 5 p.m. on October 21. The 19th North American ISSX Meeting will convene October 18 - 23, 2014 at the Hilton Union Square Hotel in San Francisco.

# STUDENT *news*

Medicinal Chemistry student [Eric Evangelista](#) received funding from Institute of Translational Health Sciences TL1 Multidisciplinary Predoctoral Clinical Research Training Grant. The grant is a year-long training experience funded by the National Institutes of Health and the National Center for Research Resources.

Recipients work as part of an interdisciplinary team doing research that focuses on identifying major clinical problems, addressing these problems in the laboratory, and bringing bench discoveries into clinical practice.

A team from the School of Pharmacy, including faculty members [Ed Kelly](#) and [Cathy Yeung](#) (pictured right), who served as the Institute of Translational Health Sciences (ITHS) advisor, and graduate student [Alenka Jaklic](#) (pictured left) and engineers at Nortis Inc., developed an exhibit at the Pacific Science Center on the use of stem cells in drug development. The exhibit features the



kidney-on-a-chip, along with other promising stem cell developments from the

UW. The kidney chip group is a huge interdisciplinary project that includes nephrology, bioengineering, and many of UW Pharmacy faculty and students, including [Kenneth Thummel](#), [Danny Shen](#), [Joanne Wang](#), [Cathy Yeung](#), [Ed Kelly](#), [Jash Unadkat](#), and many stellar Pharmacy graduate students. The display officially launched in August and will be up for six months as part of the Well Body exhibit at the center.

[Adrian Hughes](#) PharmDc '15, was awarded the Thomas Francis, Jr., Global Health Fellowship and will be working with [Andy Stergachis](#), PhD, BPharm, in Namibia. Her project seeks to determine the feasibility of establishing a pregnancy-exposure registry for women on anti-retroviral therapy in Namibia, a critical way to gather data on the safety of these important and

effective medications in a vulnerable population. She seeks to develop her skills in qualitative research through this fellowship, with the ultimate goal of working globally to promote the unique skills contained in the profession of pharmacy to improve the safe and effective use of medications worldwide.

Congratulations to our student award winners at the annual International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Conference in Montreal in June. [Kai Yeung](#) won an award for Best Student Podium Session and [Tracy Yep](#) and [Sara Forrester's](#) posters were finalists for Best Poster.



PharmD student, [Kelsey Rasmussen](#), '16, (pictured second on left) is part of a team awarded a grant for Interprofessional Education (IPE). Kelsey is working with students from the other UW health sciences schools to study people who frequently use the emergency room (ER). By following them for 6 months, the team expects to find some of the reasons why they use the ER and help identify solutions through this comprehensive study.

[Laura Hart](#), '14, and [David Yiu](#), '16, were awarded "Best Student Poster" at the Northwest Pharmacy Convention. Hart and Yiu presented a poster on impact of consultant pharmacist services in two local retirement communities and resident awareness of UW Pharmacy Cares services. Read more about Laura Hart's research on page 15.

For years, student teams from UW Pharmacy have won or been in the top ten of the National Community Pharmacists Association (NCPA) Pruitt-Schutte Student Business Plan Competition, and this year is no exception. UW PharmD class of 2016 students [Simeon Roth](#), [Kyle Sullivan](#), [David Yiu](#), and [James Lin](#), led by faculty member [Don Downing](#), placed in the top ten nationwide with their business plan for Fairhaven Pharmacy, near Bellingham, Washington. "Working on this project made me more motivated than I already was to own my own community pharmacy one day," reflected Lin.

The PORPP Retreat (pictured below) is an annual event for PORPP faculty, students, and staff. Held at the Talaris Conference Grounds for many years, the agenda and activities were set by [Carrie Bennette](#) and [Will Canestaro](#) this year. Participants were placed into groups according to their personality profiles and performed team exercises. The culminating activity was a big Scavenger Hunt in which the teams had to take pictures of the items or exercises on their lists. Reviews were glowing: "one of the most refreshing and entertaining retreats PORPP has had the pleasure to experience."





# How I Spent My Summer: Pharmacy Students Do a World of Good Half a World Away

SPRING FINALS END. At 3 a.m., a group of UW Pharmacy students meet at SEA-TAC for a 6 a.m. flight. Seventeen hours later, they land at Managua International Airport. Bleary-eyed, they go through customs with their certifications from the Ministry of Health, meet their in-country coordinator for a two-hour ride to Esteli, a small village in Nicaragua that they will call home for the next 5 days.

One of the poorest countries in the Western Hemisphere, Nicaragua is beautiful and challenging. Many don't have access to basic necessities.

In June 2014, 43 students from UW School of Pharmacy completed months of fundraising and planning for the opportunity to see this developing country and to do what they could to help, in partnership with an organization called Global Brigades.

Global Brigades is the world's largest student-led global health and sustainable development organization. Since 2004, Global Brigades has mobilized tens of thousands of university students and professionals through skill-based programs that work in partnership with community members in Ghana, Honduras, Panama, and Nicaragua, to improve quality of life in under-resourced regions while respecting local culture.

## Leading the Brigade

In 2011, Jordan Han, '16, came to interview for the PharmD program, ready to begin his career in pharmacy. While interviewing, he heard about the first SOP Global Brigades team that went to Honduras. In that moment, the former chemistry major knew he wanted to come to the UW.

Jordan had lived in Paraguay for as a child and the experience left a lasting impression. The opportunity to travel to Central America was a deeply personal one. "This was an emotional journey for me," he recalled. When he began his studies as a pharmacist at the UW, he began the planning process for the life-changing trip.

## On the Ground in Nicaragua

After a couple of hours of sleep, the 43 students climbed back into buses for a tour of the countryside, seeing geographical and cultural landmarks while adapting to their temporary home. Later that afternoon, they spent time sorting medications purchased through Global Brigades. They worked with local translators to provide basic



The village church is transformed into a clinic.

directions, and were supervised by UW Pharmacy faculty member Don Downing, along with physicians and pharmacists from Harborview and Pharmaca Integrative Pharmacy, and Don's wife, a physical therapist.

They set up the clinic in a church at the center of the village. The building had a tin roof and no electricity, with light coming only from the open windows and doors. The students and mentors divided into teams: intake, triage, treatment, and pharmacy.

The next three days were a blur. The students and their mentors saw a record number 895 patients over the course their trip. People came from miles around and the team pledged to help whoever showed up.

The triage area was staffed with a dozen students and translators, including students with Spanish language skills. The team weighed patients, checked blood pressure and glucose levels, and interviewed patients to get basic information for the physicians. Once triaged, patients met with doctors and the physical therapist.

Patients received prescriptions and then went to the dispensary where

most of the students were based. The preceptors were on hand to supervise their work, just like a clinical practice. Students used guides they'd brought along to look up dosing and other clinical information while the local pharmacist provided additional counseling.

Jordan, who describes himself as a "passable Spanish speaker," worked mainly in triage – even giving up some shifts in other parts of the clinic to remain there. "I was able to see so many different people and help them out with their concerns," said Jordan.

Many of the complaints were consistent – stomach aches from intestinal parasites, UTIs, and body pain. There were also patients who stood out – a woman who couldn't afford to leave her abusive husband, a disabled young man who traveled about 20 miles for care in a country with little support for people with disabilities. "Most patients had some sort of pain," Jordan reported. "And almost every patient asked for multivitamins."

## UW Pharmacy Alumni Support

To make the trip possible, students covered their travel costs, including food, lodging, utilities, transportation, water, and security. In addition, the students raised money for a Brigade Box that covered prescription medications and collected donations from Walgreens and other pharmacies for over the counter medications, multivitamins, and medical supplies. Gifts made to the Dean's Fund for Excellence added to the students' efforts. "We are grateful for the support of alumni and friends of the School of Pharmacy that helped make this trip possible," Jordan said.

## Support the Next Brigade

Want to be a part of a future UW Pharmacy Brigade? Email Jordan at [jjkh@uw.edu](mailto:jjkh@uw.edu). To support a future UW Pharmacy Global Brigade, we invite you to contribute to the Dean's Fund for Excellence.

# RECOGNIZING *our donors*

We gratefully acknowledge the many generous alumni, faculty, staff, students, corporations, foundations, and friends that made gifts and pledges to our School and made donations to student events between July 1, 2013-June 30, 2014. Giving remains strong at \$2 million last year, with 14% of our alumni giving back to the School. This year, we are listing donors who gave \$500+ so we can highlight the collective impact of our donors. Your gifts make a difference for our students and programs. Thank you.

## Corporations & Foundations

### \$50,000+

Allergan, Inc.  
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The Bartell Drug Company  
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Washington Research Foundation

## Individuals

### \$25,000+

David & Anita Bailey  
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Si Luo  
Elmer & Joy Plein  
Estate of Muriel Vincent  
Raymond Wilson & Cheryl Wright-Wilson

### \$10,000-\$24,999

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John & Maureen Horn  
Gayle Hudgins & Tim Edwards  
Brenda & Jess Kelly  
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Robert & Martha Satterthwaite  
Harry Schnepf II & Cameron Fosterling  
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SuAnn Stone  
Paul Tom  
Jizel & Steven Wanaka  
Victor & Ann Warner  
Judith Weber  
Mary Wingate  
Ai-Ming Yu & Liping Chen

# CLASS notes

Classes of 1969, '74, '84, '89, '94, 2004, and '09 will be celebrating their reunions at Homecoming on Friday, October 24! To register, go to [bit.ly/SOPHomecoming](http://bit.ly/SOPHomecoming)



The UW Pharmacy Alumni Association (PAA) unanimously elected **Gary Harris, '72**, to be the next President of the PAA. Gary assumes the helm from Jennifer Glasco, '09, who has

served as President for several years. To learn more about Gary, please see Jennifer's letter on page 2. We congratulate Gary on his election and thank Jennifer for her leadership and years of service!



The latest issue of Columns features **Ed Wong, '71, '98**! Finishing an Ironman triathlon—swimming 2.4 miles, biking 112 miles and then running a marathon—is more than the sum of its numbers, says Ed. "It's an affirmation that you can beat

imposed limitations, if you put your mind to it," says Wong, 66, a retired pharmacist who holds the record for finishing 31 consecutive Ironman Canada races, including the 2014 event on July 28 in Whistler, B.C. Wong, a member of the UW Foundation Board and School of Pharmacy Clinical Advisory Board, says training is "like life itself: money, time, relationships, sweat and tears." But "the time for introspection, commitment to fitness, camaraderie and lifelong friendships have made the pain and sacrifices worth it."

Independent Pharmacy Cooperative (IPC) announced Tieton Village Drugs of Yakima, Washington as IPC's 2014 Most Valuable Pharmacy. The pharmacy and owner **Phil Luther, '90**, were honored at the IPC Annual Business Meeting. IPC President and CEO Don Anderson said, "Tieton Village Drugs embraces the independent pharmacy profession." Phil Luther is the store's fourth owner, which he purchased in 1998, the same year when he began membership within Independent Pharmacy Cooperative.



**Kari VanderHouwen, '92**, was just elected to the Board of the Independent

Pharmacy Cooperative. Eleven IPC member pharmacy owners from across the country comprise the current IPC Board of Directors. An IPC Board Member serves a 3-year term with the opportunity for re-election. Member pharmacies are strongly encouraged to run in the Board of Directors elections each Spring!

**Mark Donaldson, '01**, was recognized at the annual Northwest Pharmacy Convention. The Montana Pharmacy Association selected Dr. Donaldson as the recipient of Montana's 2014 Bowl of Hygeia



Award for outstanding community service. The American Pharmacists Association Foundation and the National Alliance of State Pharmacy Associations sponsor the award. As an internationally recognized symbol for pharmacy, the Bowl of Hygeia is one of the profession's most prestigious awards, recognizing pharmacists who possess outstanding records of civic leadership in their communities.

**Don't be shy — tell us what you've accomplished!** Your successes inspire and add value to all of us. Send your updates and photos to [gu3@uw.edu](mailto:gu3@uw.edu).

## Welcome New Faculty Members in PORPP and Med Chem



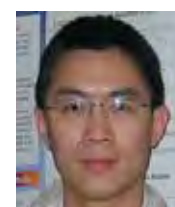
**GARY H. LYMAN, MD, MPH**, is Adjunct Professor in the School of Pharmacy and the School of Public Health at the University of Washington as

well as Professor of Medicine in the Department of Medicine in the University of Washington School of Medicine. He also is Co-Director of the Hutchinson Institute for Cancer Outcomes Research and Member of the Public Health Sciences and Clinical Research Divisions at the Fred Hutchinson Cancer Research

Center. Lyman is a Medical Oncologist and Hematologist and a member of the Breast Cancer Program at the Seattle Cancer Care Alliance. His research interests include comparative effectiveness and outcomes research related to targeted therapies and biomarkers, efforts to integrate health economics into evidence-based medicine, health policies and real world research paradigms.

**LIBIN XU, PhD**, will be an Assistant Professor in the Department of Medicinal Chemistry. He graduated with a BSc from Nakai University, Tianjin, China, completed his PhD

in Organic Chemistry at University of Illinois at Chicago, and was a Postdoctoral Fellow at Vanderbilt University. His current research



focuses on investigating the role of 7-dehydrocholesterol (7-DHC)-derived oxysterols in the pathophysiology of Smith-Lemli-Opitz syndrome (a cholesterol

biosynthesis disorder) and developing therapeutic approaches toward this disease and development of novel lipidomic approaches based on ion mobility-mass spectrometry.

# What a Difference a Scholarship Makes!

NO MATTER HOW BIG OR HOW SMALL YOUR GIFT to the UW School of Pharmacy is, it makes a difference.

When combined together, donations to scholarship funds have a tremendous impact for our students. By supporting scholarships, our alumni and friends help over 100 PharmD students a year defray the cost of tuition, fees, books, and living expenses. Our students are passionate about becoming clinical leaders that serve the healthcare needs of our communities.

## Christopher Andrews, '17



"I am currently interning at the Virginia Mason Medical Center within their inpatient pharmacy where I have been ingrained with the philosophy of

team medicine and always putting my patients first."

## Jessica Chi, '15,

Jessica was able to travel to Honduras with our School's Global Brigade to provide quality health care to a community that otherwise has limited access to health care. "Thank you for helping me reach my goals in pharmacy. Being at such a prestigious school will prepare me for my future."



## Ichiko Yoshimoto, '14

Ichiko focused her efforts on the geriatric community and volunteered her time for osteoporosis screenings and health fairs.



"I am not only growing my knowledge and skills academically but also my sense of community and volunteerism which together contribute to my overall growth as a healthcare professional."

## Kris Martinson, '15



"As a graduate student, husband, and father it is not always easy to balance school, work, and family, but the financial support your scholarship fund

has provided will allow me to spend more quality time with my family and allow me to focus on my third year of school."

Contributions to the Dean's Fund for Excellence and the Student Scholarship Support Fund help our students complete their studies, balance their lives, put patients first, and help underserved populations – and show your commitment to the future of pharmacy practice. For more information contact Andria Sherrow, Associate Director, [andria5@uw.edu](mailto:andria5@uw.edu), 206-221-2465.

## Snoqualmie Valley Hospital Awarded IPPE Preceptors of the Year

We asked our students about their favorite preceptors, Ron Bennett (pictured), Elizabeth Fuchs, and Candy Naderi, at Snoqualmie Valley Hospital, and this is what we heard.

"They are wonderful preceptors. They involved me in everything an institutional pharmacist does from distribution to clinical pharmacy. They were very receptive to questions, and I was most impressed with their willingness to work with me on clinical subjects that were not even required from the rotation," said one student.



Another student told us, "Snoqualmie Valley Hospital is an EXCELLENT site for students to begin learning about real-world hospital pharmacy practice. All of the pharmacy staff are supportive and generous toward students, and the small size of the hospital allows students to see the 'big picture' more easily than at a larger hospital. I can't say enough good things. If it were feasible, I would recommend sending the entire PharmD class to do their IPPE at Snoqualmie. It's that good."

## Join PAA Today!

Your membership in the Pharmacy Alumni Association makes possible student scholarships, mentoring opportunities, distinguished alumni awards, the annual Katterman lecture, your favorite publication – *Dawg Scripts* – as well as events like Homecoming and Class Reunions. Support the School of Pharmacy and the future of pharmacy excellence! Go to: [sop.washington.edu/paa](http://sop.washington.edu/paa).

## Faculty Gift Helps UW SNPhA

Faculty members Prof. John Horn and Prof. Emeritus Philip Hansten donated copies of their book, *The Top 100 Drug Interactions: A Guide to Patient Management*, to the UW Pharmacy Student National Pharmaceutical Association chapter to resell as a fundraiser. The pocket-sized drug interaction reference retails for \$19.95 but is sold by the student organization at a discounted price. SNPhA sold 110 copies of books to students in the School of Pharmacy. This represents the largest number of books sold in the 10-plus years Drs. Horn and Hansten have been donating books for a student fundraiser. The money raised is used to support student activities.

To view 100+ articles on drug interaction topics, go to: <http://www.hanstenandhorn.com/news.htm>

# Recognizing the Gift of Time and Expertise: Award for Excellence in Clinical Teaching Goes to Dr. John Watkins

OUR PRECEPTORS CONTRIBUTE TIME AND EXPERTISE, opening their practice to teach and mentor our students. The Wayne A. Kradjan Excellence in Clinical Teaching Award is named for our former Associate Dean, an exemplary clinical teacher and role model and awarded annually to honor one of our preceptors.

John Watkins, '79, '93, '11, was selected as this year's winner for being an exemplary practitioner, role model, coach, facilitator, and team player for over 20 years. He is recognized as a national leader in managed care and serves as a pharmacy manager at Premera Blue Cross.

"John is well respected nationally for his forward thinking approach to formulary management and learning



Teresa O'Sullivan presents Kradjan Award to John Watkins at Commencement.

the nuances of this process from his perspective is an eye-opening experience," said another student.

Dr. Watkins is instrumental each year in helping our students prepare for the Pharmacy and Therapeutics Formulary Management competition, in addition to his work as preceptor.

We are indebted to our dedicated and wonderful preceptors who are essential to the professional development of our PharmD students. If you want to make a difference in the future of pharmacy, become a UW Pharmacy preceptor.

Benefits include access to online and in-person training, project support from students from the nationally-ranked UW School of Pharmacy, and possible designation as clinical and affiliated faculty, which includes access to the Health Sciences Library and its databases. Fifty percent of all preceptor rotations are in community pharmacies and fifty percent are in hospitals and institutions. For more information, please email: [OPPE@uw.edu](mailto:OPPE@uw.edu).

## IN *memoriam*

### Scott W. Grimm



Scott Wayne Grimm, age 53, beloved husband, father, son, brother and friend, completed his life's journey on June 1, 2014. A mentor to many, he was an

integral part of the Corporate Advisory Board for the School of Pharmacy at the University of Washington.

A twenty-seven-year employee of Astra-Zeneca, holding the title of Executive Director, DMPK, IQC, Drug Metabolism, Scott was well-respected and accomplished as a collaborative leader in drug discovery and development and an active contributor to the PhRMA white papers driving the science for rational decisions for drug approval.

Scott recruited and developed scientists with a focus on helping them apply their unique skills to the drug hunting challenge. Many will remember Scott for his generous spirit, strength of character, and quiet sense of humor. He was

passionate about his family and especially enjoyed sharing with them his love for the outdoors. Scott leaves behind his loving wife, Marilyn Santa Barbara, and his three sons, Evan (wife, Evelyn), Jeremy, and Nathan. Born to Harold and Jean (Protheroe) Grimm in Warren, Ohio, Scott is survived by his parents and his sisters, Dolly Grimm Bacak (Mark) and Susan Grimm (Jeff Glaze), and brother, Martin Grimm (Janice). A celebration of his life was held August 9 in Wilmington, Delaware.

A Scott Grimm Memorial Fund to support future researchers and scientists in the field of medicinal chemistry has been set up at the University of Washington as a permanent recognition of Scott's legacy, not only as a researcher, but as a friend, mentor, and colleague to many. You may contribute to this fund online using this link: [sop.washington.edu/ScottGrimm](http://sop.washington.edu/ScottGrimm). Checks payable to: "UW Foundation" may be sent directly to UW School of Pharmacy c/o Claire Forster, 1959 NE Pacific Street, Box 356731, Seattle, WA 98195. Please state "In memory of Scott Grimm" in the memo line.

### Donna Miles, '67

At press time we learned Donna Miles had passed away on August 27, 2014.



Donna Miles, age 70, was a beloved 5th generation pharmacist and dedicated to her profession. She worked at Pike Market Clinical Pharmacy

where she helped the under-served and homeless population. Donna started the area's first temporary relief agency for pharmacists called PharmaStaff, Inc. In 1991, Washington State Pharmacy Association recognized her as "Pharmacist of the Year." Family was most important to Donna. Preceding her in death was her daughter, Kristin. She is survived by her son Scott, her mother Mary Lou Palmer, and brothers Richard, Doug, Dennis, and Darrell. In death, she has been reunited with her daughter Kristin. We send our deepest condolences to her family.

# ALUMNI & FRIENDS: Out & About



**Katterman Lecture and  
Dean's Recognition Reception**  
Museum of Flight, May 15, 2014



**ABOVE LEFT:** L to R: Katterman Lecturer Commander  
Dean Goroski, Dean Thomas Baillie. **ABOVE RIGHT**  
(From the PharmD class of 2017): Kim Do, Emily Tran,  
Weize Huang, Linh Truong, Cynthia Chan, Xiaoyan Luo.

## **Alumni Reception, Northwest Pharmacy Convention**

Coeur d'Alene, Idaho  
May 31, 2014

**RIGHT:** Hawaii or Idaho? UW  
Pharmacy alumni and students  
gathered for a fun-filled evening.



## **PORPP Alumni Reception at ISPOR** Montreal, Quebec, June 2, 2014

PORPP alumni from far and wide gathered at  
McKibbin's Irish Pub to catch up and have a jolly  
time. Pictured L to R: Scott Strassels, '05, Richard  
Kim, PhD Student, Carrie Bennette, PhD Student,  
Tracy Yep, '12, '14, Nathorn Chaiyakunapruk, '01,  
David Smith, '98

# Become an IPE Facilitator and Give Back to UW Pharmacy

For alumni wanting to give back, consider signing up to support the Interprofessional Education (IPE) programs for the School of Pharmacy. There are even more opportunities to participate this year by helping

with: Foundations of Interprofessional Practice (IPP) as a facilitator; Mentoring for an hour a month for nine months with a small group of students (6-10); Acute Care Simulation facilitator; and Partnering with Prescribers as a

facilitator of different patient scenarios. For more information, contact Kelsey Meyer, IPPE Coordinator, at 206-616-8703 or [oppe@uw.edu](mailto:oppe@uw.edu).

## Joy & Elmer Plein Scholars Advance Geriatric Research

JOY AND ELMER PLEIN CREATED A LEGACY by establishing two funds for geriatric pharmacy research: the Elmer Plein Research Fund in Pharmacy and the Plein Endowment for Geriatric Pharmacy Research, in addition to a fund to support faculty development.

The Plein Endowment for Geriatric Pharmacy Research is awarded to students engaged in geriatrics research who hold or are working toward a professional pharmacy degree. The first three recipients of this fund graduated in June.

Focusing on two Puget Sound retirement communities served by Pharmacy Cares, the consulting pharmacy developed by the UW School of Pharmacy, **Laura Hart**, '14, examined the residents' and staff's perceptions of the professional services provided by pharmacy faculty and students. Hart states, "Carrying out this project furthered my passion for geriatric pharmacy and my aspiration



Pictured L to R: Nanci Murphy, Tope Osiyemi, Ichiko Petrie, Laura Hart, Katelyn Keyloun, and Joy Plein.

to pursue an academic career." Hart is now a PGY1 Pharmacy Practice Resident at the VA Puget Sound Health Care System in Seattle.

**Ichiko Petrie**, '14, looked for connections between medication regimens and the incidence of falls among residents at an assisted-living facility in Seattle. "It struck closer to home when I heard that my paternal grandmother was at the hospital recovering from a fall accident that injured her knee," said Ichiko. She presented her findings

in a poster at the ASCP Annual Meeting with classmate Tope Osiyemi. An editor of a peer-reviewed journal accepted their manuscript proposal. Petrie is currently working at Genelex as a Graduate Pharmacy Intern.

**Katelyn Keyloun**, '14, studied Toxoplasmosis, which has been implicated in memory and behavioral changes in the elderly. Thanks to the Plein Endowment, she was able to create targeted compounds that have little activity against human heart cell lines. "My research took on a new meaning and perspective," she reflected. Keyloun is the first author of an article in Parasitology and a Senior Fellow in health outcomes and policy development, through a partnership with Allergan and the UW Pharmacy PORPP Program.

"Dr. Plein continues to mentor and inspire! Thank you for this enriching opportunity, personally and professionally," wrote Keyloun, Petrie, Hart, and Osiyemi.



## Apply for Plein Research Funds

The Elmer M. Plein Research Fund in Pharmacy is open to UW School of Pharmacy alumni, current students, faculty, including clinical and affiliate faculty. The fund provides up to \$5000

in support for small projects in research and innovative pharmacy practice. Apply by: November 1, 2014 For more information, go to [sop.washington.edu/plein](http://sop.washington.edu/plein)

Pharmacy Alumni Association  
Box 357631  
Seattle, WA 98195-7631



**The website is coming! New look and structure for UW School of Pharmacy rolls out this fall.**

When you visit [sop.washington.edu](http://sop.washington.edu), you will see a beautiful new look and architecture, and may notice some pages in progress. Can't find what you are looking for? Broken link? Email [gu3@uw.edu](mailto:gu3@uw.edu).

## Why the Bad Taste? Dr. Joanne Wang's Team Finds a Reason

TAKING A MEDICATION AS PRESCRIBED is critical to a drug's effectiveness. But for some people, taking medications literally turns their stomach—and if a medication leaves a persistently bitter taste, many people, especially children and elderly patients, will take it inconsistently or not at all.

Hundreds of prescription drugs can adversely influence a patient's sense of taste and smell, says the Physician's Desk Reference. These adverse effects frequently linger long after a patient consumes the drug, and can significantly affect the patients' quality of life, dietary choices – even their emotional state.

Very little is known about how drugs are secreted into saliva before they can bind to taste receptors in the mouth, information necessary to counter this effect.

Joanne Wang is a UW professor of pharmaceuticals and affiliate investigator at the Fred Hutchinson Cancer Research Center. In the online *Journal of Biological Chemistry*, Joanne



Wang's research team in the UW School of Pharmacy describe a novel mechanism for active drug accumulation and secretion in salivary gland epithelial cells that leads to the lingering bad taste of metformin, a frontline prescription drug used to treat type 2 diabetes.

"Dr. Wang's lab has identified a transporter protein in the salivary gland that takes up drug compounds from the circulating blood and transfers them to the saliva they produce, giving us new insight into how certain

medications change how foods taste," said Dr. Richard Okita of the National Institute of General Medical Sciences, which partially funded the research.

The researchers found that metformin was actively transported into salivary glands of mice to levels as high as those seen in the kidney and liver. By contrast, drug accumulation in salivary glands didn't occur when a specific gene was deleted.

These studies shed new light on the molecular mechanisms behind drug-induced taste disorders and are the first time that the mechanisms have been demonstrated for active drug accumulation and secretion in salivary glands. "Taste of a Pill: Organic Cation Transporter 3 Mediates Metformin Accumulation and Secretion in Salivary Glands" may be viewed online and will be published in the September 26, 2014 print issue of the *Journal of Biological Chemistry*. This work was supported by National Institutes of Health grants GM066233, GM07750 and HD047892.