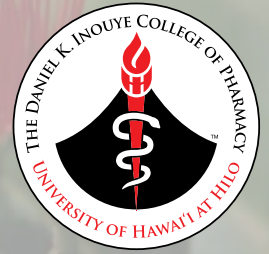


One who mixes ingredients, drugs or medications: a pharmacist

Kāwili Lā'au

The Daniel K. Inouye College of Pharmacy at the University of Hawai'i at Hilo
Winter 2018 • Volume 10, Issue 2



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HILO

Pledging

“...a lifetime of
service to others...”

Dean's Message



Every October for the past 11 years, our White Coat Ceremony begins as the lights go down in the auditorium and students begin their procession to their seats, holding their white coats over their arm with our beautiful logo facing their family and friends. Clearly, the event is constructed as a realization of identity, a welcome to pharmacy and to our college.

One of the parts that gives me what we call in Hawai'i "chicken skin" is the recitation of the Oath of a Pharmacist. Beginning with the words "I promise to devote myself to a lifetime of service to others through the profession of pharmacy" to the promise to "consider the welfare of humanity and relief of suffering my primary concerns," I watch the faces of the students, my future colleagues. They get it.

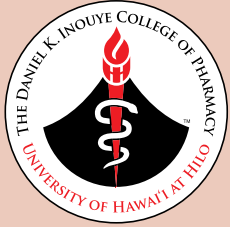
When the American Pharmaceutical Association (APhA) and the American Association of Colleges of Pharmacy (AACP) approved the Oath of a Pharmacist in 1983, it was a signal that pharmacy was headed to a new phase of recognition as members of the medical management team. I began my career as a clinical pharmacist in Oncology Pharmacy at The Queen's Medical Center in Honolulu, amazingly now, several decades ago. Every morning, I would put on my white coat in preparation to round on patients with my team of physicians, nurses, pharmacists, residents, social workers, and dieticians, all of us focused on our patients' needs, helping in our areas of expertise while advocating for each other as well. Today, healthcare leaders continue to push for more efficient and higher functioning interprofessional team not only to get the tasks done, but to make significant impact on health.

In this issue, we dedicate our Champion's Corner, to Dr. Kurt Schanzenbach, a mentor who was instrumental in beginning my career and who championed the development of clinical pharmacy in Hawai'i. We owe, to our mentors and our colleagues, gratitude for paving, sometimes a difficult but fulfilling road that shows pharmacy as a highly respected profession in the communities we serve. Our annual Health Fair shows our high level of expertise while showing our appreciation to Hilo. We try to live up to the confidence that they honor us with, demonstrated here with other stories about instilling leadership in the students, collaborative studies that aim to help cancer survivors and research about degenerative diseases that affect our population and our home.

As I told the students at the end of last semester, I have enjoyed seeing them at work in the classroom and at the various events, including at the ASHP Midyear conference and our offices on O'ahu. I am proud of their accomplishments and professional representation of our school and our profession. On a daily basis, their energy and commitment compels me, along with the faculty, to fulfill our promise to continuously improve the college and our curriculum. I appreciate any and all efforts to give us feedback and help us build a better pharmacy program.

A handwritten signature in black ink that reads "Carolyn Ma". The signature is fluid and cursive.

Carolyn Ma
Dean



Kāwili Lā'au

Winter, 2018
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Contents

Class of 2021 takes oath in White Coat Ceremony	2
Successful Health Fair reaches out to community	7
Students exhibit leadership	10
APhA Midyear Regional	10
ASHP Midyear	11
Collaboration benefits cancer survivors	14
Working group continues research on tropical disease	15
Construction update	16
Career Fair breaks it down for aspiring professionals	17
Interprofessional partnership sets up health clinics	18
Scholarships promote growth of community pharmacists	19
<u>Regular Features</u>	
Faculty Briefs	20
Student Organizations	22
Rotation Report	26
Alumni Update	27
Champion's Corner	30

On the cover: First-year students display the serious side of the day at the
Class of 2021 White Coat Ceremony. (Photo by Robbyn Peck)



Class of 2021 leans in to meet milestone at UH Hilo White Coat Ceremony

Eighty-two student pharmacists listened to words of inspiration from the president of one of Hawai'i's few remaining independent pharmacies at this year's University of Hawai'i at Hilo Daniel K. Inouye College of Pharmacy (DKICP) White Coat Ceremony on October 8 in the UH Hilo Performing Arts Center.

Kimberly Mikami Svetin, the third president in the 82-year history of family-run Moloka'i Drugs, gave the fledgling pharmacists her view of "how to get the most out of life." (See her speech below.) She also talked about how the pharmacy staff at Moloka'i Drugs focuses on community and how that benefits their personal and professional lives.

Currently, Svetin oversees a staff of 29 employees, most of whom work between the pharmacy and the family's 48-flavor ice cream shop. She is responsible for all management, human resources, marketing, community relations, purchasing, finance, legal matters, provider relations and technology.

Her grandfather, Richard Sakata, became the first pharmacist on Moloka'i when he opened Moloka'i Drugs in Kaunakakai in 1935. Several members of the family have taken part in the growth of Hawai'i's oldest independent pharmacy since then, including her



father, David Mikami, who became Moloka'i's second pharmacist in 1969 after he married Richard's daughter, Judy. An active member of the community, both professionally and personally, Mikami was awarded the prestigious Bowl of Hygeia from the American Pharmacists Association more than 20 years ago.

The Sunday afternoon annual ceremony, where new student pharmacists recite the Oath of a Pharmacist, signifies a rite of passage for individuals entering their first year in the professional program. Students were cloaked with a short white coat symbolizing their student status and the values of the profession.

Three pharmacy residents who are continuing their training with DKICP faculty on Kaua'i and O'ahu, as well as a new Ph.D. student at DKICP also participated in the ceremony.

Ka Haka 'Ula O Ke'elikōlani College of Hawaiian Language performed the mele ho'okipa, or welcoming chant, Ua Ao Hawai'i.

DKICP Dean Carolyn Ma addressed the students, as well as, for the first time, UH Hilo Interim Chancellor Marcia Sakai.

The event was sponsored exclusively by Walgreens. Erin Samura, Pharmacy Manager from Hilo, was the speaker on behalf of Walgreens. (Photos by Robbyn Peck)



OATH *of a* PHARMACIST

"I promise to devote myself to a lifetime of service to others through the profession of pharmacy. In fulfilling this vow:

I will CONSIDER THE WELFARE OF HUMANITY AND RELIEF OF SUFFERING MY PRIMARY CONCERNS.

I will APPLY MY KNOWLEDGE, EXPERIENCE, AND SKILLS TO THE BEST OF MY ABILITY TO ASSURE OPTIMAL OUTCOMES FOR MY PATIENTS.

I will RESPECT AND PROTECT ALL PERSONAL AND HEALTH INFORMATION ENTRUSTED TO ME.

I will ACCEPT THE LIFELONG OBLIGATION TO IMPROVE MY PROFESSIONAL KNOWLEDGE AND COMPETENCE.

I will HOLD MYSELF AND MY COLLEAGUES TO THE HIGHEST PRINCIPLES OF OUR PROFESSION'S MORAL, ETHICAL AND LEGAL CONDUCT.

I will EMBRACE AND ADVOCATE CHANGES THAT IMPROVE PATIENT CARE.

I will UTILIZE MY KNOWLEDGE, SKILLS, EXPERIENCES, AND VALUES TO PREPARE THE NEXT GENERATION OF PHARMACISTS.

I take these vows voluntarily with the full realization of the responsibility with which I am entrusted by the public."

(As adopted by the AACP House of Delegates in July 2007 and has been approved by the American Pharmacists Association.)

A challenge to all student pharmacists: Give back with scholarship, gratitude

By Kimberly Mikami Svetin

Keynote speech, Class of 2021 DKICP White Coat Ceremony

Although I am a businesswoman and manage three small businesses on Moloka'i, including Moloka'i Drugs, I love helping students succeed.



Kimberly Mikami Svetin

More than anything in my non-professional life, I enjoy and love talking to and mentoring students. My volunteer efforts on my home island of Moloka'i are focused on giving opportunities to our public school students.

You may wonder, why is the president of a small community pharmacy telling me about her passions?

Over the past 48 years of post-college life, I have learned so much about life lessons both personal and professional. I wanted to share with you my personal observations as someone who has lived and worked on Oahu, Maui, Moloka'i, California, Washington DC, the Pacific Northwest, and Europe about how to get the most out of life. We will briefly touch on seven life lessons that you can apply in the moments after your "White Coat Ceremony." I will also give you a personal challenge.

Life Lesson #1 – be passionate.

Find meaning in something. Be passionate.

I am truly passionate about a lot – doing things with my husband and two sons; finding cool foodie destinations; traveling to places new and old; continuous improvement in my personal and professional lives.

I mentioned earlier one of my passions. I enjoy working with students. I have helped edit dozens of college essays and I have written at least 50 letters of recommendation for college admissions and scholarships. We even wrote a letter for a student in the College of Pharmacy Class of 2021.

Since moving back to Moloka'i in 2005, the students I have mentored have received over \$2 million dollars in scholarships and have graduated from community colleges as well as UH system universities and mainland colleges; several of these students have

already graduated from medical schools and are currently attending some of the best colleges in the US. If I was not at Moloka'i Drugs, I would have been a college admissions counselor helping rural students go to and succeed in college. Helping Moloka'i students educate themselves is my non-professional passion.

Life Lesson #2 – accept failure.

Less than two weeks ago, I experienced one of the greatest failures of my professional life.

I am known to delegate and allowed our pharmacy manager, who also happens to be my sister, take complete charge of the implementation of our new pharmacy computer system and a new point-of-sale (or POS) system. My sister, the pharmacist, was focused on the pharmacy system and had four trainers fly in from Atlanta and Detroit. I allowed her to be the main point of contact for our pharmacy and was not involved in the implementation of the system. I focused on other pressing issues.

We had two of our best pharmacy technicians trained in the new POS system. One ended up going on a 24-day vacation she had requested a year ago; the other was sick for most of the week leading up to our "go live day." On the first day, we realized how much we did not know about our cash registers and our POS system. Fortunately, we had bag stuffed every prescription bag, made personal phone calls, created posters, and even bought a Facebook ad to let our customers know we appreciate their patience in advance. Knowing what I know now, I would have brought a trainer from the mainland to help us with the non-pharmacy issues. Although we discovered how to solve this problem a little too late, I was able to share these issues and how we would have solved these problems with our McKesson Drug Company representatives so other community pharmacies would not have been in the bind we experienced.

Life Lesson #3 – be gritty.

As defined in psychology, grit is a positive, non-cognitive trait based on an

individual's passion for a particular long-term goal or end state, coupled with a powerful motivation to achieve their respective objective. This perseverance of effort promotes the overcoming of obstacles or challenges that lie within a gritty individual's path to accomplishment, and serves as a driving force in achievement realization.

Two examples of grit involved two pharmacists in my life. The first is my late grandfather, Richard Sakata. He left Honolulu in 1935 on an unballasted barge. Grandpa tossed and turned in the rough waters of the treacherous Kaiwi Channel with nothing more than a duffel bag and a few dollars. He went to Moloka'i sight unseen with the intention of being the island's first pharmacist and first pharmacy owner. When he finally docked at the pier, he started the long walk towards the one dim light shining in the distance at the center of town, not knowing at that time he would be spending the next 64 years of his life happily working in and serving this small and extremely special island community. Can you imagine the obstacles and challenges of opening a pharmacy in the mid-1930s? Imagine the grit of this man!

The second example of grit involves my father, David. A 1.8 gpa student at Hilo High School, his parents sent him to Leilehua High for his senior year. He was told by one of his teachers to go to work or to the military after graduation. Dad said a few swear words under his breath and became the epitome of grit, starting a ten-year college journey from 1959-1969. He commuted every day for six years from Wahiawa to the University of Hawai'i at Manoa for his undergraduate and graduate degrees in soil chemistry. He paid his UH tuition by working at labs and in the pineapple fields. He met my mother (Richard Sakata's daughter) at UH, got married and changed his major to pharmacy. He then flew to the mainland and garnered a five-year pharmacy degree in 2 ½ years at the University of Kansas. He then moved to Molokai in 1969 as the island's second pharmacist with no college loans. This is a man who was told not to go to college.

Grit is a topic that I challenge you to learn more about. Dr. Angela Duckworth is a professor from the University of Pennsylvania who writes extensively about grit. Please watch Dr. Duckworth's TedX video which has been viewed over 12 million times or read her 2016 best-selling book also named, "Grit."

Life Lesson #4 – ask for help.

So simple.

How hard is it to ask for help?

For many people, asking for help is seen as a weakness. Believe it or not, I see asking for help as a strength. There will be moments where you do not know the answer or need help with something in class or on a project.

A few weeks ago, my oldest son, who is a freshman engineering major in New York, was not understanding a concept in his physics class. He could interpret what his professor said during the lecture but was having a difficult time comprehending a theorem. So, my husband and I told him to ask for help. His college has a "success" program and pays for one-on-one tutors for certain subjects, including physics. He met with his tutor three weeks ago and now meets one hour per week with this graduate student. As you can imagine, his grade shot up and he understands physics, which he will need to graduate.

One of my mentors is currently a visiting professor at Brown University for a year. He said that the students that see him during his weekly visiting hours are the students that normally do not need help. He told me that the students that need the help are normally the ones that do not see him during office hours.

Life Lesson #5 – take educated risks.

An educated risk is taking an action, understanding the potential for success and taking the risk anyway.

My husband graduated with his construction management degree in 1991, during the height of the Gulf War. No one was hiring project managers or construction managers. He sent out at least 50 letters and resumes and did not receive one job offer. He took a risk and moved from the East Coast to Portland, Oregon, figuring there were more jobs on the West Coast. While dropping off another letter and resume, he met a woman from his home state who

told him about her roommate's company. My husband met with one of the managers, who offered him a job in Hawai'i. He left for Hawai'i two days later. Had he stayed on the East Coast, my husband may have never found work in his field of study...or met and married me!

In the next couple of years, some of you may have opportunities to live in places that you may never have considered. Weigh your options before taking the job, fellowship, post-doc, etc. You may find a place that you love because you took a risk and left your comfort zone.

Life Lesson #6 – give more than you take.

Dr. Adam Grant is the highest rated professor at the Wharton School of Business in Philadelphia. A couple of years ago, he published a book called "Give and Take." In his books and presentations, Dr. Grant mentions how there is a connection between giving and kindness and its effectiveness in the workplace. I don't have enough time today to discuss all of the book. However, for me, it was life changing. During your Christmas break, buy the book and listen to it or read it on your tablet.

Two examples of giving involve my two sons.

Four years ago, my younger son handwrote a note on coin jars at each of our pharmacy's cash registers. He was frustrated that there weren't enough balls for kids to play with at his elementary school, so he raised money for sports balls. His teacher at the time wanted each child to create a service project to make our community better. Since starting his project, he has raised over \$4,000 dollars for balls for his school.

Two weeks ago, I saw a post on social media where my oldest son was tagged. He was participating in an annual kickball tournament for his university. The proceeds go to a scholarship fund and raised over \$2,500.

As the Class of 2021, I challenge you to create a scholarship fund for the College of Pharmacy. Make it fun—maybe you can create a fun run or have coin jars in each

class or laboratory. Make this scholarship fund one of your legacies. I will be the first to donate to the UH Foundation 2021 fund!

Life Lesson #7 – be grateful.

My last "life lesson" is showing appreciation and gratitude—taking the time to say "mahalo" to parents, family, professors, mentors, etc.

A week ago, I ran into a customer who was so grateful on how our pharmacists and staff members helped her late mother during her last months fighting cancer. She was so appreciative.

Last month, I saw Aunty Lori, from the Moloka'i High registrar's office, at our pharmacy. She told me that my son went to his high school the day before leaving for college and walked around the campus, thanking everyone personally. In her 20



Kimberly Mikami Svetin

years of working at the school, she had never seen any student do that gesture. It was my son's way of being grateful and saying mahalo.

My first challenge to you - start a scholarship fund. My second challenge - I ask each of you in the Class of 2021 to spend 15-20 minutes during the first semester of pharmacy school to craft at least one handwritten thank you note to someone who helped you in the path to pharmacy. Maybe a letter to your first chemistry teacher; your grandpa who gave you spending money so you would not have to work but could study; or your church pastor or priest?

At our pharmacy, we receive so much

more than we take. Our focus has been on our island community and how this benefits our staff on a daily basis in our professional and personal lives. In many ways, there is no line between our two lives.

I ask that when you put on your white coat and have a chance to think about

your future profession, please remember these seven life lessons in your lives as a pharmacist-in-training and as a contributing member of our community.

Be passionate. Accept failure. Be gritty. Ask for help. Take risks. Give genuinely. Be grateful.

I know that the people in this auditorium are here to support you and are so proud of you.

Do not be afraid to ask. We want you to succeed. Best wishes to all of you. Mahalo and aloha.

Dean Carolyn Ma delivers words of hope

[Excerpts from her speech to the Class of 2021 at their White Coat Ceremony]

Only a short while ago, you began your chapter of being part of the history of this college. You have, I think in this short time, endeared yourselves to the faculty, staff and to this quiet enclave of paradise called Hilo. Many of you were witness and participated in our Health Fair yesterday, and in seeing how the community partners with us in this annual event, you may have begun to realize the degree of service and care that pharmacists can impart upon others. Today, we formalize your koula, a Hawaiian word that means "cord," that is usually used to be the structure of a lei. Today, the word koula is used to describe the cord that has begun not only to this school

wa'a canoe Hokule'a and her sister ship Hikianalea returned home from her world-wide voyage Malama Honua. In a quote from po navigator, Nainoa Thompson, "the purpose of Malama Honua, was in the message that the health and wellbeing of our people are inextricably intertwined with the health and well-being of our environment. Critical to the concept of Malama Honua is the idea that people will fight to protect what they care about-but they cannot take care of what they do not understand." The voyage of Hokule'a was to weave a lei of hope, a journey of connection of countries and understanding our differences, our needs and how we can

"...your voyage has begun. This school, your professors, your preceptors, your family will help to build and strengthen this koula, it is up to you to create your lei."

and but more importantly, to pharmacy as your chosen profession.

Your arrival in Hilo comes in a time of both extreme chaos, turmoil, and at times violence, but also in a time of significant hope. This past summer, the

come to care for the environment and for ourselves. Only possible with a koula, that links together not necessarily flower, but of countries, of progressive ideas, of care and hope.

So in analogy, Class of 2021, your voyage has begun.



This school, your professors, your preceptors, your family will help to build and strengthen this koula, it is up to you to create your lei.

When I first met you in mid August, I asked you to, 1) take care of yourselves, 2) to take of each other, your chosen ohana or family, and 3) to dedicate yourself to your studies. Today, I ask that you take in the message of Malama Honua and commit to the care for others.

Newly elected President of the American Pharmacists Association, Nancy Alvarez titled her 2017 address "Treat the patient and not the number: A call to care." In the coming years, you will be inundated with mind boggling facts, figures

and data with the expectation that you apply this to this entity called "the patient." The patient is not merely letters on the subject line, but the primary addressee. During the few short years of your training you will learn about complex patient conditions and treatments you as a student pharmacist will, clearly function as an integral part of the health care team, which I might add, includes the patient and their families. We hope that by the time you graduate, that legislation will help to show our worth, and we will be considered as providers and reimbursed for our value based care and we should stand firm in both our purpose and contribution.



Ninth annual health fair touches lives

By, Cathlyn Goo (Class of 2019)

The Daniel K. Inouye College of Pharmacy (DKICP) 9th Annual Health Fair took place at the Prince Kuhio Plaza on Saturday, October 7 from 10 a.m. to 2p.m.

The event is the largest community outreach event hosted by the College of Pharmacy. Students, along with faculty preceptors and a variety of community organizations, come together to provide health awareness information as well as free health screenings. There are also entertainment performances and prize drawings throughout the event for the public to enjoy.

The morning began this year with a Zumba class instructed by Carissa Pajo, followed by performances from the UH Hilo "Inspiring New Talent" dance group, commonly known as the INT Dance Squad, Lori Lei Hula Studio, Puna Taiko, the UH Hilo Samoan Club, and the UH Hilo Filipino Club. Prize drawings occurred throughout the day where community members were given the chance to win gift baskets with various fitness-related items inside.

More than 200 community members attended the event with more than 100

health screenings performed and more than 40 vaccinations administered. The College of Pharmacy was fortunate enough to continue its collaboration with CVS Pharmacy to provide flu vaccinations at the Health Fair.

According to student pharmacist Aaron Brown (Class of 2019): During the health fair, a gentleman approached me and asked if we could test his blood glucose. He had eaten a meal, and he was concerned about hyperglycemia. He then told me that he did not have insulin with him. He explained that he was hesitant to carry his insulin with him, because he didn't want to denature it due to the hot climate. I was able to share information about carrying/storage containers that allow him to have his insulin with him at all times. He expressed his gratitude. He said that he was unaware of such containers. He then said that he's scared to ask too many questions about his diabetes management. I told him that healthcare professionals spend a lot of time in school to be able to help others and he was very appreciative of this.

Several community organizations were also able to provide their services at the event, including Aloha Care, the Bone

Marrow Registry, the Center for the Study of Active Volcanoes, East Hawai'i Al-Anon Family Group, Gilead Sciences, Inc., Hawaii County Civil Defense, Hawaii Island Diabetes Coalition, Hawaii Island Family Dental, Hawaii Island AIDS/HIV Foundation, Hilo Vet Center, HMSA, Hui Malama Ola Na Oiwi, Med QUEST, National Alliance of Mental Illness, Partners in Development, Project Vision Hawaii, Senior Medicare Patrol, The Food Basket, UH Hilo LPN students, and United Healthcare. Student pharmacists presented more than 20 educational booths educating the community on topics such as hyperlipidemia, rat lung worm disease, proper medication disposal, and more. Community members were able to take advantage of all these services and even enter to win a prize if they visited enough booths.

The Health Fair positively impacts not only community members, but student volunteers as well. This is a great opportunity for students to hone their health screening, counseling, and communication skills and truly understand the importance of their roles as student pharmacists. Two individuals shared their positive experiences as a result



of participating in the Health Fair this year:

In the words of Cami Kanahale (Class of 2019): This was my second year participating in our Annual Health Fair. Last year, as a second-year student, I was not very confident in my abilities to adequately screen our community (although I had passed my screening sign-offs) so I decided to chair the “Compounding for Kids-Silly Putty” board instead. Chairing this board taught me how to keep my composure when working with children and how to properly delegate different tasks to my other team members, but also made me realize that I was already



in my second year of pharmacy school and that I wasn't going to gain more confidence by just doing educational boards. After the Health Fair, I immediately began participating in more ALOHA Project screenings and APhA-ASP events to broaden my experiences and gain more confidence for the next Health Fair. A year later, the time had come again for our Annual Health Fair. This time around, as a third-year student, I was more confident and excited about screening members of our community. As soon as the sign-up sheets were sent out, I immediately signed up to be a health screener. Through this whole process, I feel

that the Health Fair has pushed me to move out of my comfort zone to better myself as a pharmacy student as well as gain the experiences needed for a successful future. If it wasn't for the motivation and drive through this event, I don't think I would be where I am today with the skills that I have gained in preparing to be the best screener that I can be.

The Health Fair melds together various groups, individuals and services to create an unforgettable and long-lasting experience that can touch the lives of everyone involved. (Photos by Tracey Niimi)



In regards to our 2017 Health Fair:

Passports: Approximately 149 adult passports and 79 children's passports were distributed. Exact total attendance/participation is difficult to gauge since there is no sign in and booths are spread across the mall.

Screenings: We screened a total of 107 community members. Our Health Screeners provided health assessments relating to blood pressure, cholesterol, blood sugar, asthma/COPD, lifestyle/diet modification counseling, and smoking cessation counseling.

Smoking cessation: We were able to reach out to 5 individuals interested in smoking cessation counseling and collaborated with the Hawaii Tobacco Quitline to offer resource materials to help with the process.

CVS Flu Shots: Student Pharmacists administered a total of 44 vaccinations.

Project Vision Hawaii: There were 31 community members who received vision screenings.

Hawaii Island HIV/AIDS Foundation (HIHAF): HIHAF screened 4 community members for HIV.

Bone Marrow Registry: About 15 individuals registered to become bone marrow donors



Student pharmacists who attended the Midyear Regional meeting were: Front Row: Kara Paulachak (Class of 2019); Second Row (from left): Halena Tran (Class of 2018), Vance Hill (Class of 2019), Elaine Cottom (Class of 2020), Kathleen Nguyen (Class of 2021)

Five 'begin their legacy' of leadership at APhA-ASP Regional Meeting

By Kara Paulachak (Class of 2019)

President, American Pharmacists Association - Academy of Student Pharmacists

The Midyear Regional Meeting (MRM) is one of the only meetings in the United States held exclusively for student pharmacists. The American Pharmacists Association – Academy of Student Pharmacists (APhA-ASP) holds the meeting every year for each of their 8 regions.

On November 2-5, five student pharmacists travelled from Hawai'i to Phoenix, Arizona to represent DKICP at the meeting. They were joined by student pharmacists from 19 other schools, from the states of Nevada, California, Arizona, New Mexico, and Colorado.

At the meeting, APhA-ASP President Michael Murphy opened with this year's theme, "Begin Your Legacy," which inspired student pharmacists to consider what kind of legacy (be it big or small) that they may be leaving behind, and the impact they have and WILL have on those around them.

Throughout the meeting there were various workshops that featured topics such as networking as a student pharmacist, career pathways in your community, and residency application bootcamps. Between sessions, there were planned social breaks and connection opportunities that allowed student pharmacists to branch out their networks to students from other schools around the region. In addition, the National and Regional Committees led Chapter Officer Breakout sessions, where student leaders from each chapter gathered to discuss ideas and brainstorm new ways to improve the Academy starting at the chapter level.

The highlight of the meeting to many of us was the opportunity to review and discuss policies that each chapter submitted. Chapters presented their policies, and highlighted what they hoped would change with their proposals. From there, each chapter voted on the

individual submissions, and the results were announced on the final day of the meeting. Policies selected were sent on to the APhA Annual Meeting in March 2018 for a final vote. From there, policies supported at the Annual Meeting would be proposed and supported by APhA-ASP as a national organization. These policies are the ones that the Academy hopes will shape the future of pharmacy, for the students and for the professionals already in practice.

In addition to all of these proceedings, student pharmacists had the opportunity to run for positions on the Regional Committee over the course of the weekend, and elections were held on the final day of the conference. Many student pharmacists use this as an opportunity to expand their role as leaders in the profession and often run for national positions thereafter.

Overall, the meeting was a wonderful experience for all of the students that were able to attend. Chapter leaders were able to learn about different ways to expand their operations and improve chapter functions, and members were able to gain networking experience and were exposed to policy procedures and other opportunities that can only be found at the larger Regional and National Meetings.

ASHP



It's NEVER too early to attend 'midyear'

By Robyn Rector (Class of 2020)

The American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting and Exhibition, also known more commonly as "Midyear," is the largest gathering of pharmacy professionals in the world. More than 25,000 attendees unite annually for just under a week to network, brainstorm, advance the profession, recruit, prospect, and have fun. The 2017 meeting was held in Orlando, Florida and marked the 52nd Midyear and 75th Anniversary of ASHP.

Midyear invokes varied reactions from all participants. For students, Midyear is synonymous with the Clinical Skills Competition (CSC), research posters, and the daunting Residency Showcase. These three events garner the largest student participation, and inspire the tumultuous stories circulating from our predecessors. There is a plethora of experiences beyond these three components. However, this story will focus on them and the DKICP students that fiercely represented our college this year.

Teams of skillful, clinically trained students gather on Saturday, the day before the official Midyear opening, to compete in the semi-final round of the CSC. This year Karen Christian and Tiffany Alberg diligently represented DKICP. The CSC is a grueling battle, in which teams of two students have two short hours to generate a comprehensive care plan for a complex patient case.

The care plan (also known as SOAP, or Subjective Objective Assessment Plan) must address all pertinent disease states, ranking them in order of priority, and establish an exact treatment protocol beginning with the 5 rights (drug, dose, route, frequency, patient) and continuing through monitoring parameters and potential drug interactions. The plan must reference current guidelines and evidence based medicine.

This year's case encompassed an elderly woman suffering from community acquired pneumonia and chronic obstructive pulmonary disease (COPD). The care plans are scored, and the top ten finalists are announced. The final round takes place the following day, contenders have two minutes to verbally endorse their plan to a panel of three judges and spend eight eternal minutes answering arduous rapid-fire questions. Midyear attendees are permitted to observe the final round and subsequent question and answer session with the case writer.



LEADERSHIP

Current students who want a chance to compete in the 2018 CSC must partake in the qualifying local competition, which will be held next fall by Hawaii Student Society of Health-system Pharmacists (HSSHP).

On Sunday evening, a two-hour Student Society of Health-System Pharmacists (SSHP) showcase propagated brainstorming and revealed successful student-led initiatives from across the nation. As the name implies, student chapters of ASHP showcased memorable events that embodied creativity and resourcefulness, striving to promote

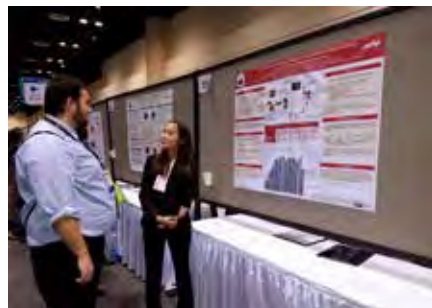
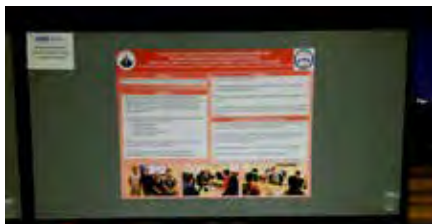
service, outreach, and impact on the community as well as student body. I was fortunate to present a well-designed, and elegantly drafted, collaborative event spurred by third-year students Nancy Wong (HSSHP) and Kara Paulachack (APhA-ASP). The event featured was the



Roundtable Session with our State Affiliate, the Hawaii Pharmacists Association (HPhA), and faculty pharmacists, which took place in September. More than thirty students attended the event and gained exposure to unique pharmacy career paths spanning hospital administration, acute care, ambulatory care, and residency preparation.

For the showcase, each poster was designed with pearls of wisdom. The aim was to facilitate adaptive replication in which students take back successful examples to launch modified endeavors catered to their specific communities. This exchange of ideas came to me completely unexpected, and proved to be immensely beneficial. Each of us know how hard it is to generate innovative and influential, yet feasible and concise, professional projects. The forum and intellectual union was uniquely noncompetitive and genuinely embraced sharing achievements to affect change for patients. The attendees embodied professional collaboration, and everyone left full of new inspiration. Thank you HSSHP for affording me this opportunity. Undoubtedly, it will shape my aspirations for the remaining time I have at DKICP and beyond.

A few of the most memorable SSHP posters to me, included: Distribution of Goody Bags for Chemotherapy Patients, included thoughtful items for patients recovering from



Student pharmacists presenting research at ASHP Midyear:

Trish Huynh: "Impact of International Pharmaceutical Student Pharmacist Campaigns on Student Pharmacist Knowledge"

Kelli Goo: "Implementation of a pharmacist-driven antibiotic timeout to assess the appropriateness of piperacillin-tazobactam and vancomycin within 72 hours of initiation"

Jessica Lee: "Retrospective evaluation of 4-factor prothrombin complex concentrate administration for the reversal of oral anticoagulants in patients with major bleeding"

Macie Kim: "Effect of nasal PCR implementation on duration of vancomycin treatment in MRSA negative patients"

Niaz Nafisi: "The nation's first college of pharmacy to be certified a Blue Zones Worksite"

Marina Ortiz: "Retrospective evaluation of the appropriate use of piperacillin-tazobactam at a small community hospital in Hawai'i"

Joann Phan: "Efficacy of a vaccine for *Angiostrongylus costaricensis* against rat lungworm disease caused by *A. Cantonensis* in wild Hawaiian Rats"

Garret Hino: "Evaluation of patients' knowledge of Medicare Part D plan annual assessment in a family medicine clinic"

Kimberly Wu: "Opioid utilization and cost among Medicare beneficiaries: a state-level comparison"

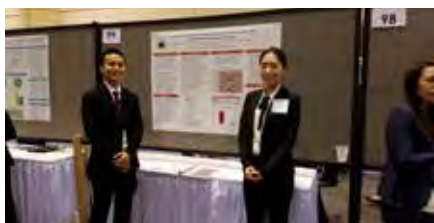
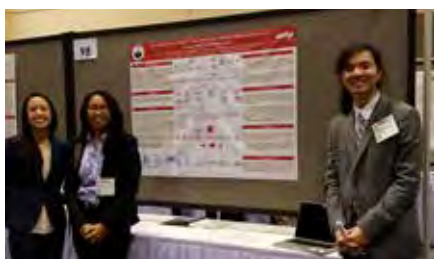
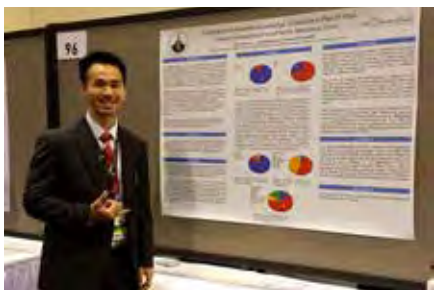
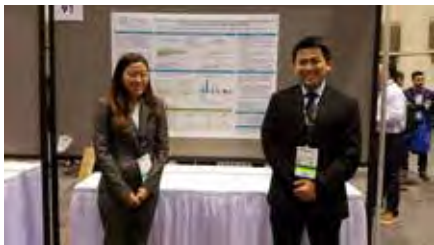
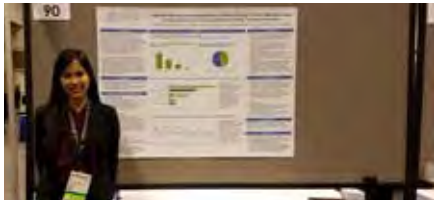
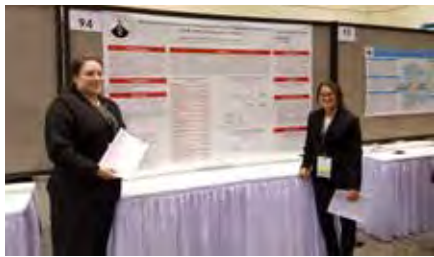
Quan Truong: "Development of a "N-Quest" (Naloxone reQuest) mobile application to prevent opioid-related overdose deaths"

Christopher Nakagawa: "Innovative hyperlipidemia screening protocol focusing on 10-year risk of atherosclerotic cardiovascular disease"

Vicky Nguyen: "Retrospective Evaluation of Anti-Factor Xa Level Monitoring in Patients Receiving Heparin Infusion for the Treatment of Venous Thromboembolism and Acute Coronary Syndrome"

Mari Takushi: "Assessment of a newly implemented oritavancin protocol in a community hospital in Hilo, Hawai'i"

Robert McHugh: "Determining human exposure to *Angiostrongylus cantonensis* on east Hawai'i Island using a novel indirect ELISA serum test"



treatment; Pharmacist for a Day Experience, for three hundred 4th graders complete with mini white lab coats; Opioid Overdose Awareness for High School Students, instructions on how to administer Naloxone; and Interprofessional Mock Rounds, illustrated the integral nature of each discipline on a medical team.

On Monday, the convention center transformed as thousands of attendees gathered for the keynote speaker, former First Lady, Michelle Obama. Celebrating the 75th ASHP anniversary, she enthusiastically imparted a sense of purpose to the pharmacy profession and highlighted the incredible opportunities available to impact patients.

Research poster presentations and the Residency Showcase ensued for the next three days. Our college had a remarkable presence, close to thirty, fourth year students (and one third year) presented posters. DKICP students literally spanned an entire segment of the exhibit hall! Congratulations and well done to each of them for their dedication and follow through.

Presenting is a stimulating challenge, but the drive for presenting at Midyear often runs deeper than the experience. Over 5,000 student pharmacists journey to Midyear annually. Many of these individuals will soon graduate and embark on their professional pharmacy careers. For those attending Midyear, this beginning ideally involves a residency. Currently, there are around 3,500 accredited PGY1 residency positions in the country and approximately 14,000 student pharmacists graduate annually. Calculations has taught us there is a surplus of eligible candidates in this equation, which prompts the questions: Why Should the Residency Director Select You? and equally important, Why Should You Select that Residency? Born out of this conundrum is The Match, or as some prefer, The Mystery Match.

Despite the murky waters of matching, there is no mystery to preparing for the endeavor. To truly be competitive, the one piece of advice I gathered from Midyear is: Start Now, it is Never Too Early. Presenting a poster during fourth year is the proverbial icing on the cake. However, the journey begins in the first year.

We are incredibly lucky to live in Hawai'i. It's beautiful, serene, and completely isolated in the middle of the Pacific Ocean. Consequently, traversing to the Mainland periodically is vital for success. Attending national conferences before the fourth year is imperative!

The adage, surround yourself with those who inspire you, absolutely applies here. Observing success facilitates and expands our horizons beyond what we can imagine independently. As a first-year student pharmacist, four years seems like eternity, but once professional school is over, the opportunity to generate student-led endeavors is in the past. In the blink of an eye, the time to apply for jobs or residency will come into focus, and every interviewer will be assessing the impact we made during these formative years.

I hope this article will manifest a curiosity within a fellow first- or second-year student pharmacist, so they will decide to partake in this event in the future despite the fact that it always happens during finals. Words cannot convey the breadth of the experience and expansion of creative ideas that will follow.

A huge Mahalo goes out to HSSHP (especially Nancy Wong) and faculty members Mrs. Juszczak, and Dr. Lteif for making this experience a reality. Their support and direction incited the motivation within me. It truly was an unforgettable experience.

Joint effort examines link between exercise and well-being in cancer survivors

As a cancer researcher who uses cellular and molecular techniques to learn about the biology of cancer, Linda Connelly rarely has a chance to see a direct impact on people who are affected by her work.

A collaboration with fellow UH Hilo faculty members Cheryl Ramos and Lincoln Gotshalk is helping her connect the dots from lab to real life. Connelly, associate professor and chair of the Department of Pharmaceutical Sciences at the Daniel K. College of Pharmacy (DKICP), is teaming with Professors Ramos from the Department of Psychology (PSY) and Lincoln Gotshalk from the Department of Kinesiology and Exercise Sciences (KES) to determine the effects of exercise on cancer survivors.

This look at the physical and psychological function of participants builds upon Connelly's expertise in researching cancer biomarkers. The team hopes that the project, which is funded by UH Hilo Research Training and Revolving Funds (RTRF), will lead to preliminary data for a federal grant to fund further research.

The project started in the spring of 2017 with a small pilot group of 10 participants from the East Hawaii community. The group was selected because they were survivors of breast, colorectal or prostate cancer who were not currently taking part in an exercise program.

During the summer, the pharmaceutical sciences researchers determined the feasibility of measuring two biomarkers

associated with well-being in urine samples from study participants before and after a period of exercise. The biomarkers chosen were C-reactive protein (CRP) and Brain Derived Neurotrophic Factor (BDNF).

"Our lab has many years of expertise in performing ELISA, or Enzyme-Linked Immunoabsorbent Assay, which is the way we analyze biomarker levels. At Pharmacy, we also have the necessary equipment to prepare and then store the samples during the collection period of the study," Connelly explained.

They hope to see whether taking part in an exercise program leads to any changes in levels of biomarkers that have been associated with well-being.

Undergraduates from KES and PSY have contributed to all aspects of the project, thereby given invaluable exposure as to how a research project operates, Gotshalk said. They have a chance to contribute to the study protocol and the IRB application, conduct literature reviews, and develop study materials such as exercise logs, phone scripts, recruitment ads, project files, etc.

"Students also gain one-on-one experience with the public by making phone calls to those who express interest in the study and screening potential participants for study eligibility by explaining the study and requirements for participation," Ramos said.

They also assist by: scheduling assessments, meeting study participants in the lab for data collection (including collecting

medical clearance forms, reviewing consent forms with participants, completing questionnaires about cancer history, exercise behaviors, social support for exercise, and health), and conducting physical assessments (e.g. blood pressure, anthropomorphic measures, urine sample collection, etc). This semester



Alex Lindsay, a Physics major who is a participant of the Students of Hawai'i Advanced Research Program (SHARP), works in the Connelly lab on the collaborative project with the Departments of Psychology and Kinesiology and Exercise Sciences. (Photo by Linda Connelly)

students created a training video documenting the procedures for conducting anthropomorphic measures. Students work with study participants to implement the study exercise intervention, entering the data into computer programs for analysis, and maintaining the study files.

Undergraduate students who participated in this research in the fall of 2017 included Molly Verseput, Kat Martinez, Lana Queen, and Leighana Weaver (KES majors), Brenna Cranswick (PSY major), and KES/PSY double-major Brian Ishola. Several other students from the PSY & KES departments worked on the project in previous semesters, and new students joined the team in Spring 2018.

Undergraduate students working in Connelly's lab included Kayuri Kadoya, majoring in Biology and Agriculture, who is a participant of the Institutional Development Award (IDeA) Networks of Biomedical Research Excellence (INBRE) program, and Alex Lindsay, a Physics major who is a participant of the Students of Hawai'i Advanced Research Program (SHARP). Postdoctoral fellow Stephanie Tsang Mui Chung helped supervise and train the students.

The project allows DKICP to contribute to the undergraduate student experience by providing laboratory research experiences as



Front row (from left): Lana Queen (KES student); Molly Verseput (KES student); Cheryl Ramos (Professor, Psychology); Brenna Cranswick (PSY student); Kayuri Kadoya (BIOL student); Linda Connelly (Associate Professor, Pharmaceuticals Sciences); Alex Lindsay (PHYS student). Back row (from left): Brace Gotshalk (KES Lab Manager); Brian Ishola (KES & PSY student); Lincoln Gotshalk (Professor, KES). (Photo by Tracey Niimi)

well as bringing students from each of the groups together for shared presentations about the interdisciplinary research.

Ramos said: "The two essential ingredients that made this project possible are: 1) the strength of the collaboration we have established between PSY, KES, and

Pharmacy, and 2) our amazing students who have fully immersed and committed themselves into every aspect of the project."

Connelly is excited about the interdisciplinary aspect of the project and hopes it will lead to further collaborations. She said she has discovered that working with other

disciplines helps her think about research in different ways and come up with new ideas.

"Cheryl and Linc are both very excited about the project and that excitement is infectious. Not only are we learning new things but we are enjoying it too."

Research shows risk of disease greater than expected; legislators vow to aid in fight

A UH Hilo research group supported by Hawai'i Island legislators is urging more control measures be taken to lower the risks of the spread of rat lungworm (RLW) disease.

Findings of a study headed by the Rat Lungworm Working Group at the Daniel K. Inouye College of Pharmacy (DKICP) are described in a paper entitled "High prevalence of *Angiostrongylus cantonensis* (rat lungworm) on eastern Hawai'i Island: a closer look at life cycle traits and patterns of infection in wild rats" published in the journal PLOS ONE.



Dr. Susan Jarvi

"Our study showed almost 94 percent of the rats in the Hilo area are infected with RLW," said Susan Jarvi, director of the working group who has been researching the progress of the disease for more than six years.

More than 30 other countries report data on RLW, including Australia, Brazil, Thailand and China. Jarvi suggests that due to the lack of diagnostic tools and difficulty in diagnosis, the disease may be underreported. Her group has been adding to the scientific evidence that gives legislators in Hawai'i the proof they need to become more involved.

"Hawai'i is able to take the lead globally on assessing the effects of this debilitating disease thanks to this scientific evidence from UH Hilo," said Sen. Kai Kahele, who represents Hawai'i Senate District 1, which includes Hilo. "The first step in conquering a threat is in knowing the enemy. We can get ahead of the terrifying risks, but these results certainly show the urgency for more research."

RLW disease is a parasitic infection that reproduces in rats and is transferred to slugs and snails, which can, if ingested intentionally or not, infect people. While symptoms can be mild and flu-like, there have been cases that have resulted in long-term disability and even death.

"UH Hilo continues to support Dr. Jarvi's efforts to safeguard public health through her research on the system of this disease," noted UH Hilo Interim Chancellor Marcia Sakai. "We are exploring alternatives with state agencies that will continue to fund this important research, which reflects our commitment to help maintain the health of the community."

Researchers in this study examined a total of 545 wild rats from multiple sites in the South Hilo District of east Hawai'i Island. Through evaluation of multiple stages and locations of development of the infection with *A. cantonensis*, they were able to determine prevalence, and examine patterns of infection. The purpose was to determine how these data can be used to improve risk assessment and guide research development to better prevent and control human infection.

"Defeating this threat to our islands is essential to perpetuating our way of life," said Rep. Chris Todd, who represents Hilo in the Hawai'i State House of Representatives. "I believe in the research being done at UH Hilo, their work will help us ensure a healthy future for our keiki – we, as a legislature, need to do more to support their mission."

DKICP and the Hawai'i Community Foundation – Medical Research supported research in this study. Authors were from DKICP: Jarvi, Stefano Quarta, Steven Jacquier, Kathleen Howe, Deniz Bicakci, Crystal Dasalla, Noelle Lovesy, Kirsten Snook and Robert McHugh; and Chris N. Niebuhr from the U.S. Department of Agriculture Animal Plant Health Inspection Service's National Wildlife Research Center, Hawai'i Field Station in Hilo.

"The clear and present danger of this difficult-to-eradicate disease warrants increased measures to control its spread in both snails, slugs and rodents," Jarvi said. "Only by deliberate management can we hope to protect human and animal populations."



Educating legislators

Members of the Hawai'i State Senate Ways and Means committee visited DKICP Professor Susan Jarvi's lab on Oct. 27 to learn about her rat lungworm research. Jarvi is the director of the Rat Lungworm Working Group. (Photo by Tracey Niimi)



Construction continues

The \$31.3 million Daniel K Inouye College of Pharmacy building continues to rise up from its building site on Nowelo St. After years of planning, the facility will finally provide a home for the college's faculty and staff currently located at several sites in Hilo. Dean Carolyn Ma is actively working across the state to develop private major gift support for DIKCP's programs and maintenance, refurbishment and equipment of the space. Keep track of progress with more photos from the Hawai'i Department of Accounting and General Services on our Website gallery at <http://pharmacy.uhh.hawaii.edu/galleries/ConstructionTimeline/index.php>.



Photo by Tracey Niimi



Annual career fair/interview day gives head start to transition between university/job

DKICP held its annual Career Fair on the UH Hilo campus Oct. 27 and Interview Day on O'ahu Oct. 28.

The Career Fair included company representatives from CVS Health, Hilo Medical Center, McKesson, Safeway, and Walgreens. Dean Carolyn Ma welcomed the representatives with breakfast and provided an overview of the college, which included student demographics and building updates. Faculty members and student ambassadors were also available to address questions about the program. For the next few hours, the representatives discussed internship and future employment opportunities with current students, resulting in 14 intern interviews with 10 first- and second-year students and 13 interviews with five fourth-year students

The following day, fourth-year students buttoned up into their professional attire for DKICP's Interview Day. The event took place at Kapiolani Community College in Honolulu. Company representatives from CVS Health, Safeway, Times Supermarkets, and Walgreens conducted a total of 59 interviews with 19 fourth-year student pharmacists. (Photos by Tracey Niimi)



Teamwork results in Hawai'i Interprofessional Education and Collaborative Alliance

By Chad Kawakami

Assistant Professor, Department of Pharmacy Practice

September marked the start of a new Interprofessional Education (IPE) partnership that involves the Daniel K. Inouye College of Pharmacy (DKICP), University of Hawai'i-Manoa School of Nursing and Dental Hygiene (SONDH) and John A. Burns School of Medicine (JABSOM), the Hawai'i Keiki Program, and the Hawai'i State Center for Nursing (HSCN). The overarching goal of the project is to accelerate IPE while providing school-based health clinics (SBHC) primary care sites for students to integrate the IPEC competencies into practice.

The IPEC team consists of student pharmacists enrolled in the Pharm.D. program at DKICP, Doctor of Nursing Practice (DNP) Family Nurse Practitioner (FNP) students, child/adolescent psychiatric fellows and dental hygienists. The team provides services at Sanford B. Dole Middle School in Kalihi on the island of O'ahu one day a week.

Every morning the team conducts a huddle prior to beginning the SBHC clinical day. At the morning huddle, Melissa Owens, who is the Hawai'i Keiki Nurse Practitioner at Dole, provides the team with information and follow-up on cases and appointments for the day.

The team also conducts debriefings after the SBHC clinic day to discuss patient cases as well as conduct an after-action review of the day's activities. The IPEC students produce recommendations to Melissa that are incorporated into students' individual health plans that will be shared with the school faculty, students' families and students' healthcare providers.

The SBHC sees about 40 students daily for various different ailments. Common ailments seen in the clinic include, skin and soft tissue infections, conjunctivitis, head lice, cold and flu, wound care, and behavioral health interventions. Working with the DNP students, our student pharmacists are able to hone their physical assessment and history taking skills.

"It was really enlightening to watch other healthcare practitioners assess patients utilizing their skill sets. Having different perspectives and knowledge bases come together has a synergetic effect and allows for a better diagnosis and treatment of the patient," said fourth-year student pharmacist Joshua Belcher.

Macie Kim (Class of 2018) said, "I gained an awareness and understanding that not all children have access to basic necessities like taking a shower, having a bed to sleep on, and health food to eat. It was really eye opening and made me think about things in a different way."

The SBHC provides DKICP students with a unique practice environment to broaden their skills and understanding of interprofessional collaboration. Through this experience, health care students are provided the opportunity to learn together to work together.



From Left: Macie Kim (Class of 2018), Shelby Meador (Class of 2018), Robby Cayetano (Class of 2018), Melissa Owens (SBHC APRN - Hawaii Keiki), Theresa Chin (Child and Adolescent Psychiatry Fellow), Aaron Summers (DNP Student), Reid Hamamoto (Child and Adolescent Psychiatrist)



Leadership, academics earn student pharmacists scholarships

Jhoana Gonzales (Class of 2020) and Karen Christian (Class of 2018) were awarded a Presidential Scholarship from the National Community Pharmacists Association for the 2017-18 academic year.

The scholarships were awarded to students based on leadership qualities with a demonstrated interest in independent pharmacy, as well as involvement in extracurricular activities as well as academic achievement.

Jhoana is originally from the Philippines, but grew up in the island of Guam. She earned a bachelor's degree in business administration from the University of Guam and returned to the university five years after graduation to pursue pre-pharmacy, which granted her admission at UH Hilo's Daniel K. Inouye College of Pharmacy.

"During my first year of pharmacy school, I made sure to participate in many activities available for first-year students while maintaining good grades," she said. This included activities such as Generation Rx, where student pharmacists present information about the misuse and abuse of prescription medications to middle and high school students. She also was class liaison between professors and colleagues, and team captain of the DKICP American Cancer Society's Relay for Life team.

"I am grateful in receiving this scholarship from the NCPA Foundation and McKesson as it provides me with some financial



From left: Jhoana Gonzales (Class of 2020) and Karen Christian (Class of 2018)

help and support that I needed to continue on my journey to become the best pharmacist I can be," Jhoana said.

Karen is from Moscow, Idaho, and earned a bachelor's in microbiology from the University of Idaho.

Her first pharmacy experience began as a technician in an independent pharmacy. She says: "Getting this award in my final year of pharmacy school, brings the whole experience full circle."

She joined the National Community Pharmacist Association during her first year in pharmacy school and served on the executive board for two years. Last year, she chaired the student chapter's business plan, which she acknowledges for sparking her interest in owning and operating an independent pharmacy in the future.

"I not only learned much about business ownership and management, but I believe that this leadership position made my application stand out and be more competitive," she says. "This leadership position is innovative and unique to NCPA, exemplifying my interest in independent pharmacy and showing my creative vision for future pharmacy practice."

Receiving the NCPA Presidential Scholarship is pretty special. I am appreciative for the recent NCPA Annual Convention experience, and I am extremely grateful for the generosity NCPA and McKesson shows towards future pharmacists."

Faculty Seminar Series

Dr. Phisit Khemawoot

Phisit Khemawoot, RPh, MS, PhD, (center) presented a seminar on "Recent Advances in Herbal Pharmacokinetics: A Case Study of ECa 233" on Dec. 7 on DKICP campus. Dr. Khemawoot is a professor Faculty of Pharmaceutical Sciences, Chulalongkorn University, Thailand. He is shown here with Drs. Leng Chee Chang (left), associate professor in the Department of Pharmaceutical Sciences and Supakit Wongwiwatthanakut, professor in the Department of Pharmacy Practice.



Dr. Olivier Le Saux

Olivier Le Saux, Ph.D., presented a seminar entitled "Pathological Calcification – Lessons From A Model" on Dec. 6 on DKICP campus. Dr. Le Saux is an associate professor with the John A. Burns School of Medicine (JABSOM) at the University of Hawai'i-Manoa in Honolulu. He is shown here with Dr. Linda Connelly, associate professor and chair, DKICP Department of Pharmaceutical Sciences.

Dr. Subbu Venkatraman

Dr. Subbu Venkatraman (second from right), professor & chair with the School of Materials Science & Engineering at Nanyang Technological University in Singapore, gave a seminar entitled "Nanomedicine: Applications Beyond Cancer" on DKICP campus October 19. Posing with him are (from left): Drs. Linda Connelly, Abhijit Date and Shugeng Cao.





Shugeng Cao, associate professor, Department of Pharmaceutical Sciences, and

Tamara P. Kondratyuk, associate specialist & laboratory manager, were co-authors on a paper entitled “NF- κ B inhibitors, unique γ -pyranol- γ -lactams with sulfide and sulfoxide moieties from Hawaiian plant *Lycopodiella cernua* derived fungus *Paraphaeosphaeria neglecta* FT462” published in *Sci. Rep.* 2017. Other co-authors were Chun-Shun Li, Ariel M. Sarotti, Peng Huang, Uyen T. Dang, Julian Hurdle, John M. Pezzuto, James Turkson.



Abhijit Date, assistant professor, Department of Pharmaceutical Sciences, was invited

to talk on “Nanomedicine for the prevention and treatment of infectious diseases” Sept. 20 at Department of Tropical Medicine, Medical Microbiology, and Pharmacology, in Honolulu at the John A. Burns School of Medicine (JABSOM), UH-Manoa. Dr. Date was a co-author on the following publications: 1) “MR image-guided delivery of cisplatin-loaded brain-penetrating nanoparticles to invasive glioma with focused ultrasound,” published in the *Journal of Controlled Release* Oct. 10. 2) “Local enema treatment to

inhibit FOLH1/GCPII as a novel therapy for inflammatory bowel disease,” published in the *Journal of Controlled Release* Oct. 10. And 3) “Preclinical Evaluation of Intravesical Cisplatin Nanoparticles for Non-Muscle-Invasive Bladder Cancer,” published in *Clinical Cancer Research* Nov. 2017. In addition, work he completed while at John Hopkins University on the application of cisplatin nanoparticles for the treatment of early-stage bladder cancer research was highlighted in Hopkins news as well as few online outlets.



Tamara P. Kondratyuk, associate specialist & laboratory manager,

and Daniela Gündisch, associate professor, Department of Pharmaceutical Sciences, were co-authors on “Heliotropiumides A and B, new phenolamides with N-carbamoyl putrescine moiety from *Heliotropium foertherianum* collected in Hawai‘i and their biological activities” in *Bioorg. Med. Chem. Let.* Co-authors were Cai, Y-S., Sarotti, A.M., Pezzuto, J.M., Turkson, J., Cao, S. Dr. Kondratyuk also presented research entitled “Intake of chemopreventive antioxidant dietary supplements has impact on lymphocyte stress-related biomarkers in healthy dog” at the International Conference on Cancer Epigenetics and Biomarkers, October 26-28, in Osaka, Japan. Co-authors were

Adrian, J.L.-A., Wright, B., Park, E.-J., van Breemen, R.B., Morris, K.R. & Pezzuto, J.M.



Russell Molyneux, affiliate faculty, has authored a paper entitled “Traceability of Food Samples: Provenance, Authentication, and Curation” published in the *Journal of Agricultural Food Chemistry* 2017.



Karen Pellegrin, director of Strategic Planning/Distance Learning, has

had the following five business cases accepted for publication in the peer-reviewed journal *SAGE Business Cases*, *SAGE Publications Ltd.*, London, United Kingdom: 1) with L. Krenk, “Maui Clinic Pharmacy: An independent community pharmacy considers strategic options;” 2) “A public ‘safety net’ hospital aims for excellence: Mission-driven transformation to improve health in East Hawai‘i;” 3) *Pope Francis: Leadership to resurrect a mission;”* 4) “The Libertarian Party struggles to market freedom;” 5) with F. Wetter, “Moore Oil: Exit options for a multi-family, multi-generational small business.”



Dianqing Sun, associate professor, Department of Pharmaceutical

Sciences, was senior author of the following publications: 1) “Scope and Optimization of the Double Knorr Cyclization: Synthesis of Novel Symmetrical and Unsymmetrical Tricyclic 1,8-Diazaanthraquinones” in *Synthesis*, with coauthor AM Prior. 2) “Structure-activity relationships and docking studies of synthetic 2-arylindole derivatives determined with aromatase and quinone reductase 1” in *Bioorganic & Medicinal Chemistry Letters*, with coauthors AM Prior, X Yu, EJ Park, TP Kondratyuk, Y Lin, and JM Pezzuto.



Deborah Taira, professor, Department of Pharmacy Practice, is co-author on four

manuscripts accepted for publication: 1) “Hospice Utilization of Medicare Beneficiaries in Hawaii Compared to Other States” in the *Asian Pacific Islander Nursing Journal*; 2) “Ambulatory Blood Pressure Monitoring: Underuse in Clinical Practice in Hawaii” in the *Hawai‘i Journal of Medicine and Public Health*; 3) “Examining Factors Associated With Non-Adherence And Identifying Providers Caring For Non-Adherent Subgroups” in the *Journal of Pharmaceutical Health Services Research*; 4) “Attitudes of College-Aged Electronic Cigarette Users In Hawai‘i” in *Health Behavior and Policy Review*.

Pharmacy dean represents UH Hilo at national meeting

College of Pharmacy Dean Carolyn Ma was one out of just 42 leaders in the nation who were selected to advocate interprofessional education (IPE) projects among pharmacy, nursing, occupational therapy/physical therapy, social work and public health in Washington, D.C.

The group gathered at the inaugural Interprofessional Deans Leadership Program

(IDL) in Washington, D.C. from Nov. 29-Dec. 1, presented by the Academy for Academic Leadership (AAL). Speakers showcased methods and models of interprofessional collaboration to the group, which represented 15 schools that are members of the Interprofessional Education Collaborative (IPEC).

“It was inspiring to see high levels of support at the national level at this ground-

breaking event,” Ma said. “Here in Hawai‘i, we have recognized the importance of these varied health care professions by pulling together to help an overstressed system through collaborative projects and classes. This national trend gives us reinforcement. Ultimately, our efforts will make an impact on patient care outcomes as IPE filters through our health care education programs.”

Topics discussed included leadership assessment and self-analysis, collaboration, conflict management and communication, facilitation of institutional and cultural

change, strategic thinking and planning, emerging models of health care, uses of technology, strategies for working with senior administration, financial management, public

relations, and ideas for influencing policy.

IPEC plans to continue the dialogue with future meetings in 2018.

Researcher receives funding for drug delivery study



Abhijit Date, assistant professor, Department of Pharmaceutical Sciences, will be allowed to establish a dynamic drug delivery research program at DKICP thanks to a grant from the Ola HAWAII program at UH Manoa. The title of his grant proposal is "Tenofovir disoproxil fumarate nanoparticles for local prevention of HIV infection." The strategic goal of Ola HAWAII is to grow and support a community of health disparities investigators and collaborators to harness the power of diverse thought to determine the causes of and interventions for health disparities in the Pacific. The program is supported by the National Institute on Minority Health and Health Disparities (NIMHD), National Institutes of Health.

Preceptor Focus

Dr. Jake Blechta, naturally independent

Jake Blechta, PharmD is co-owner and pharmacist in charge at ElixRx, an independent compounding pharmacy in Kailua on O'ahu. ElixRx opened in January 2015; in addition to standard outpatient medications, ElixRx specializes in compounded hormone replacement therapy and veterinary medications. The pharmacy is a PCCA member and is PCAB accredited for non-sterile compounding.

Dr. Blechta earned his PharmD. from the University of Southern California. Prior to opening his own pharmacy in 2015, Dr. Blechta was pharmacist in charge at Soothe Compounding Pharmacy in Bradenton, Florida. Before moving to Florida, he was a pharmacy manager at Ralph's in Hollywood, California for one year and worked five years as a staff pharmacist at Ralph's in Pasadena, California. While attending pharmacy school, Dr. Blechta spent his winter and summer breaks as an intern at Ponahawai pharmacy and KTA Puainako in Hilo. He was first introduced to compounding as a pharmacy intern at Ponahawai pharmacy.

Dr. Blechta became a preceptor for UH Hilo CoP students in 2016. At ElixRx student interns build a solid foundation in the basics of compounding and gain an understanding of every day operations in an independent

pharmacy. During the rotation, Dr. Blechta stresses how important positive relationships between the pharmacy, patients, and prescribers are to patients' treatment.

"Compounding relies on open communication between the patient, the pharmacist, and the prescriber," he says. "I want my students to be as comfortable talking to patients and prescribers as they are talking to friends or family. Being able to formulate a prescription to the needs of an individual patient and seeing the benefits first hand when they come into the pharmacy makes my job so satisfying. Without proper communication, that doesn't happen."

With an increasing presence of chain pharmacies in Hawai'i, Dr. Blechta encourages students interested in pharmacy ownership to "develop a good business plan and go for it! If you find your niche, you can be successful."

For example, growing up on the Big Island and fishing every weekend, Dr. Blechta and his business partner, Dr. Kai Davids, always joked about owning their own pharmacy that also sells fishing equipment, so when they realized that Kailua didn't have



a fishing tackle store, they opened one... IN their pharmacy.

"One of the great things about being my own boss is that I don't have a corporate office telling me what to do. I wanted to sell fishing gear, so I started selling fishing gear. My business depends on me providing something that my community is looking for. Kailua's a beach town. There was a need, so I filled it, and I encourage students interested in ownership to do the same."

He also cautions students that being a pharmacy owner is not an easy task. "It takes a lot of work and your hours will be long, but second to being a dad, this is the most rewarding job I have ever had." Dr. Blechta's advice to his students and pharmacy students in general is "try everything you think you may be interested in during school. Pharmacy is such an exciting field because there are so many career options that you don't even know exist. Get involved and look for opportunities to try new things."

Student Organizations

APhA-ASP

Mayor signs proclamation for American Pharmacist Month

Hawai'i County Mayor Harry Kim signed an official proclamation in support of the month of October being observed as American Pharmacist Month at his office on Oct. 24. Members of the American Pharmacists Association-Academy of Student Pharmacists (APhA-ASP) who attended were (from left): Vance Hill, Kara Paulachak, Mayor Harry Kim, vRene Chavez and Torrence Ching (Photos by Tracey Niimi)



APhA-ASP and NCPA collaboration: Generation Rx

A community-centered initiative aims to prevent misuse and abuse of prescription drugs

*By Jhoana Paula Gonzales, (Class of 2020)
Generation Rx Chair
National Community Pharmacists Association (NCPA)*

Generation Rx is an education program that aims to increase public awareness of prescription medication abuse by presenting educational programs to children from grades five to high school seniors. The program is a national collaboration between the Cardinal Health Foundation, The Ohio State University, and American Pharmacists Association - Academy of Student Pharmacists (APhA-ASP).

At DKICP, the National Community Pharmacist's Association (NCPA) Student Chapter has also dedicated time and effort to the success of the initiative. Since August 2017, Generation Rx Chairs -- Mia Tran from APhA-ASP and Theresa Nguyen, and Jhoana Gonzales from NCPA, have contacted teachers from elementary, middle, and high schools in and around Hilo to schedule presentations to their students.

The best aspect about Generation Rx is that we can make it our own presentation and put activities catered to our audience. For a really difficult subject such as preventing misuse and abuse of prescription drugs, we aim to make it fun for the children by having activities and even games such Jeopardy.

Just this semester, we were able to present to the following schools: Waiakea High, Hilo Intermediate, Keaau High, and Kaumana Elementary. We also had a first-year student, Shane Naeole, present to 35 students and four adults in Kamehameha Schools on Maui. Additional first-year student pharmacists Josephine McDonald, Ryan McMillan, and Karmen Wong presented to 44 students and three adults in Kaumana Elementary in Hilo. The great effort from our students from first- to third-year to P3 allowed us to almost meet our goal of 300 students for the year. As of November 2017, our total is 285 students and 18 adults.

This has been a team effort by all the students at DKICP and we are looking forward to what is in store for us next year.



NCPA

Spotlight shines on independent pharmacies

By Kaylee Hoang (Class of 2019)
NCPA Student Chapter President

The RxOwnership workshop on October 27 featuring McKesson was a success! We had about 50 students and representatives from two independent pharmacies attend the workshop.

Vice President, Allan Matsukado, represented Shiigi Drug, a well-known independent pharmacy in Hilo. Owner, Dr. Ismail Abdolahi, represented Paho Pharmacy, the newest independent pharmacy on the Big Island of Hawai'i. Cory Miller, RxOwnership Regional Manager and Dallas Nakashima, McKesson Account Manager, led a two-hour informational session.

Topics of pharmacy industry trends, demographics, and how McKesson and Health Mart play an integral role in helping pharmacy owners become successful were presented. A Q&A session followed, for our interested pharmacy students to ask questions to the McKesson and independent pharmacy representatives.

There were many experiences shared by the pharmacy owners,



such as what goes into opening and running a successful independent pharmacy.

The NCPA Student Chapter at the Daniel K. Inouye College of Pharmacy believes that networking is important for personal development as pharmacy students. Having an event like this is a positive way to connect students with professionals nationally and in the community.

Student pharmacists collect donations for Thanksgiving food drive

Student pharmacists from the Daniel K. Inouye College of Pharmacy at the University of Hawai'i at Hilo collected more than 400 food items to donate to Big Island families in need before Thanksgiving this year.

The National Community Pharmacists Association (NCPA) collected canned foods and non-perishable food items from faculty, staff and peers from Nov. 16-20. The goods were donated to Hilo Salvation Army.

"We traditionally hold a friendly competition among the classes," said Kaylee Hoang, NCPA Chapter President from the Class of 2019. "The Class of 2020 gave the most food items and will be treated with delicious snacks during finals week. But all of our student pharmacists were winners in servicing the less fortunate and helping the community to ensure that everyone will have a wonderful Thanksgiving."

NCPA represents America's community pharmacists, including the owners of more than 22,000 pharmacies. The student organization at UH Hilo has been active since inception in 2009.

"The NCPA Student Chapter prides itself in the development and participation in community service events, which serves as one



NCPA Community Service Co-chairs Johnathan Lam (left) and Andrew Nguyen from DKICP Class of 2020 dropped off the donations to the Hilo Salvation Army.

of its main focus as an organization," Hoang said. "NCPA continues to connect with our Hawai'i community through multiple community service events, and the Thanksgiving food drive is an important one. We cannot wait to do this again next year!"

Phi Delta Chi

Diabetes Health Awareness Fair at the Maku'u Farmer's Market

By Cathlyn Goo
Class of 2019

Members of the Phi Delta Chi Professional Pharmacy Fraternity provided free health screenings on Nov. 5 at the Diabetes Health Awareness Fair at the Maku'u Farmer's Market in Pahoia at 5-2131 Keaau-Pahoia Hwy.

One of the unique aspects of the PDC is our emphasis on community outreach. In hopes of expanding health screening opportunities to members outside of the Hilo community, we volunteered our time to offer free blood pressure and blood glucose screening to the Pahoia community at the Diabetes Health Awareness Fair.

We were able to reach out to a number of individuals, performing more than 20 that day. The event was a success and is something that our fraternity hopes to continue to provide health screenings at in subsequent years.



Operation Christmas Child hopes to put smile on child's face

By Cherie Baldugo
Class of 2020

"Christmas is in your heart, not under a tree." There are many children around the world who don't get to celebrate Christmas the way many of us do. They don't decorate Christmas trees with ornaments or get to open presents on Christmas Day.

Five years ago, the Phi Delta Chi Gamma Theta Chapter began collecting shoeboxes and filling them with gifts for these children through a community service event called "Operation Christmas Child." Samaritan's Purse, an international relief organization, compiles the gift-filled shoeboxes and sends them to less fortunate children in more than 100 countries.

This event has continued to be a yearly tradition for the brothers of our fraternity as this gives us a chance to potentially change a child's life and brighten up their holiday season. This year, our brothers and candidates collectively put together a total of 73 boxes in hopes of putting a smile on 73 children's faces on Christmas Day.

Leadership seminar draws dedicated learners

By: Nicholas Tsoi (Class of 2019)

Phi Lambda Sigma (PLS) Delta Lambda Chapter held their leadership seminar on November 5, which was led by its members to promote invaluable leadership skills amongst student pharmacists. The goal of this event was to motivate students to expand their professional skill set through the various student-led workshops.

This year's seminar included workshops focused on building a curriculum vitae, establishing the importance on how Robert's Rules of Order can be utilized to conduct efficient meetings, and developing effective public speaking and presentation skills.

Similar to last year, the seminar was held on a Sunday morning; however, this did not deter student pharmacists from attending. The members of Phi Lambda Sigma are especially grateful for the number of first-year students who attended the seminar. First-year student, Alan Trinh said "The PLS seminar allowed me to get started with different aspects of being a better professional. I learned skills such as formatting my curriculum vitae, as well as learning more about Robert's Rule of Order."

With every year, the dedication of the student pharmacists to the profession of pharmacy is clear, as evidenced by the participation through events such as these. The skills and lessons that were conveyed through this seminar will hopefully motivate student pharmacists to continue to develop professionally alongside their academics. The members of PLS are thankful for the continuing support of the student body, and hope to encourage students to value, embody, and exude leadership and professionalism on campus as well as throughout the community.



The leadership seminar demonstrated how to hold an efficient meeting using Robert's Rules of Order.



Student pharmacists learn how to properly develop their curriculum vitae.

Blogs detail learning experiences in Australia

Two members of the Class of 2018 have completed a six-week block Advanced Pharmacy Practice Experience (APPE) at Blackmores Institute, an academic and research organization headquartered in the northern Sydney suburb of Warriewood, New South Wales, Australia. Katrina Kutter and Kelsy Kam were the first DKICP student pharmacists to travel to the "land down under" after UH Hilo signed a memorandum of agreement with Blackmores Institute. Read about their experience through their blogs at: <https://aussierotation2017.tumblr.com/>

Eli Lilly experience helps give perspective outside of classroom

By Robert McHugh (Class of 2018)

My time at Eli Lilly has been amazing! Working at Lilly has opened up a world of opportunities that were never covered in a school classroom and my time at Lilly has changed my professional goals and aspirations. The people I worked with at Lilly are passionate intelligent professionals who believe that their goal is to help patient's live longer, healthier, and more active lives. It is no surprise that those who begin their career at Lilly stay for a lifetime.

Now in case you don't know, Lilly is a Fortune 500 company with approximately 42,000 employees. Lilly's products are sold across 125 countries and Lilly's main campus is located in Indianapolis, Indiana, where I worked in the Global Patient Safety (GPS) division.

GPS's primary mission is to ensure patient safety by monitoring all adverse events in patients taking medication created by Lilly, even if that medication is generic. Lilly has a team dedicated to investigating adverse events, which can be identified by Lilly internal safety mechanisms, or when requested to do so by the FDA, EMA, or the Japanese PMDA. Lilly calls an identified potential adverse event a signal, and responds to these signals by gathering an inter-professional team of pharmacists, physicians, epidemiologists, nurses, and other professionals from around the globe to review the available data and to publish a summary that is used to determine whether a label change is justified.

One common misconception is that all drug companies are out only for profits. While I can understand where these misconceptions originate from, I can also say that company profits were not even on the list of priorities for the individuals I worked with at Lilly. Moreover, they were all professionals who exemplified that to which every medical professional should aspire: putting the patient first. One of

the employees I had the privilege of working with told me that she thought she had a greater positive impact on the world working at Lilly than if she were working with only one patient at time and, I can think of no one that exemplifies this sentiment more than my preceptor, William 'Bill' Brookfield. Bill began his carrier as clinical pharmacist before joining Lilly nearly twenty years ago. He is known and respected by employees throughout Lilly. Bill has precepted students not only in industry, but also during both clinical and administrative hospital rotations. He is also the mentor of the medication safety fellow at Lilly.

With a preceptor who does so much, it probably is no surprise that you hit the ground running in this rotation. Lilly schedules meetings for students in multiple departments, and with employees ranging from first year visiting scientist fellows to senior research scientists. Lilly also schedules student tours of their production facilities, giving students a better understanding of the scope of the activities occurring on a daily basis at Lilly. Even with all of the scheduled meetings, Bill gives each student additional responsibilities for completing journal club presentations to keep employees informed on new discoveries, safety topic reports to track adverse events associated with Lilly medications, mechanistic probability models to explain how medications could cause adverse events, and topic presentations to update employees on the most recent medical findings, to name a few.

Every person I interacted with at Lilly wanted me to succeed and offered to take time out of their days to schedule one on one meetings with me if I wanted additional information about his or her department or job. My rotation at Lilly gave me a greater insight into the diverse options available to me after graduation. If you are like me, and not entirely sure what your future direction should be with your new Pharm.D. degree, you should do yourself a favor and go visit Bill at Lilly. It was the first rotation I have had that left me smiling at the end of every day.



Nine alum represent quality DKICP education by contributing to Guam health care

By Drs. Angelina Eustaquio (Class of 2011), Alexandra Perez Adkins (Class of 2012), Veronica Cummings (Class of 2013), Margaret Kang (Class of 2013), Jizan Evangelista Benavente (Class of 2014), Jed Sana (Class of 2014), Chi Chiu Au Yeung (Class of 2015), Blanche Duarosan (Class of 2015) and Darian Oshiro (Class of 2015)



First row (from left): Jed Sana, Alexa Perez Adkins, Jizan Evangelista, Blanche Duarosan, Darian Oshiro; Second row (from left): Veronica Cummings, Meg Kang, Angelina Eustaquio, Chi Chiu Au Yeung

The UH HILO DKICP alumni – 2017 Guam Edition would like to take this opportunity to thank everyone who has been a part of our amazing journey. The vision of DKICP is to “Drive Improvement of Healthcare in Hawai’i and throughout the Pacific.” We are living proof that the vision of DKICP is true to its word as we work together to make a difference in Guam’s healthcare. We are proud and grateful to be a part of the UH Hilo DKICP ‘ohana.

Dr. Angelina Eustaquio
(Inaugural Class of 2011)

It has been more a decade since the UH Hilo College of Pharmacy first opened its doors to students. Upon graduating, I started a career at Guam Memorial Hospital as a Skilled Nursing Unit pharmacist, Guam Department of Corrections pharmacist, Information Technology pharmacist, and accepted the role as Preceptor for pharmacy interns. I obtained my BCPS in 2013, participated in the ACCP Virtual Poster Symposium, and am currently an active member of the Guam Board of Pharmacy. Some of the things I miss from Hilo include the Merrie Monarch, on-demand Poke and working with Marq Sims and crew at the Ponahawai pharmacy. The highlight of my personal life was starting a family right after pharmacy school. I am currently blessed with three beautiful children of ages 6, 4, and 1. The most rewarding, however, is being colleagues with the wonderful group of UH pharmacy graduates, Alexa, Meg, Jed, Jizan, Blanche, Chiu, and Veronica, some of whom I had the opportunity to precept.

Dr. Alexandra Perez Adkins
(Class of 2012)

After graduating in 2012, I returned to Guam and became a staff pharmacist at Guam Memorial Hospital (GMH). During my initial year at GMH, I was a part of the Antibiotic Stewardship Committee and had my first taste of clinical pharmacy after graduation. My desire to expand my clinical skills and knowledge led me to a PGY1 residency at The Queen’s Medical Center in Honolulu, Hawai’i.

After completing residency in 2014, I returned to GMH and became the clinical pharmacist of the Intensive Care Unit. I received my BCPS certification in 2015 and will be pursuing BCCCP certification in 2018. I also mentor students and volunteers from the pre-pharmacy program at the University of Guam. One of my proudest accomplishments post graduation is getting married and starting my family, with my first child due in January 2018. What I miss most about Hilo is the close-knit community, road trips to Kona, the staff and professors of DKICP and my classmates who became my closest friends. What I miss about pharmacy school is the ability to take mid-day naps and summer and Christmas breaks!

Dr. Veronica Cummings
(Class of 2013)

Hafaloha (a greeting used by the Chamorro people of the Mariana Islands)! Life after pharmacy school has been very eventful, personally and professionally. Since I’ve come home, my husband Jay and I added another boy (Kaleb, now 3) to our family (Kavan 10, Keanu 6). Priorities have shifted to getting the kids to school and activities, but also trying to get off-island when we can to explore the world. We have been able to travel to various places over the years, notably to New York and Florida this past summer. Working as a pharmacist at the Guam Memorial Hospital is fulfilling because our roles are always evolving and growing in the ways we give back to our island. Over the four years I’ve been back, I’ve been a staff pharmacist, with added clinical duties as the Medical-Surgical ward pharmacist. I also have been able to assist with pediatrics and our antibiotic stewardship program. I do look back fondly about my family’s time in Hawai’i and there are some things that I truly miss, especially weekend outings to the farmer’s market and Target, singing karaoke/hanging out with my PDC brothers and friends, and island/mainland hopping with the family. However, working with fellow DKICP alumni helps to remind us of the island and school that has greatly enriched our lives.

Dr. Margaret Kang

(Class of 2013)

Aloha and Hafa Adai ("hello" in Guam's native Chamorro language)! I cannot believe that it has already been more than four years since graduation. I can still remember first-year orientation week with the icebreaker activities on campus. Even though time flew by, I would consider pharmacy school as one of the most memorable, fun, and productive years of my life. I definitely remember all those late-night studying sessions at the "mods," my complete, compact white board notes and all the time and energy dedicated to organizing health fairs and class social events. I miss the cozy Hilo rain at night with the coqui sounds, Pho Viet's beef stew noodle soup with the side of garlic chili sauce (I cannot find this Hilo version anywhere else), the variety of poke, the convenience of the five-minute-radius distances with no traffic, the Big Island exploration and adventures, the brotherhood of PDC, and the 'ohana spirit of DKIPC family and friends. Since graduation, I have worked at the Guam Memorial Hospital as a staff pharmacist with a special emphasis in the anticoagulation monitoring program; currently pending CACP certification. When time permits, working on-call at a retail pharmacy serves a dual purpose to preserve retail skills and help patients and other pharmacists in the community. Aside from work, I am able to continue my love and passion for music by playing the violin in chamber groups for weddings and in orchestras for musicals and concerts. Overall, it has been a real blessing to be able to share memories and work with our wonderful team of UH Hilo DKICP alumni to make a positive impact on patient healthcare in Guam. Thank you (DKICP) for making all of this possible.

Dr. Jizan Evangelista Benavente

(Class of 2014)

After graduating in Hilo, I started working as a staff pharmacist at Kmart pharmacy from 2014-2015. After a year, I was able to secure a staff position at the Guam Memorial Hospital and presently work there with my other UH Hilo fellow graduates. As I look back during my time in Hilo, I miss the beautiful, cool weather, living and studying with my roommates, the annual DKICP health fairs, and Ho'olaule'a.

Dr. Jed Sana

(Class of 2014)

Thanks to DKICP's fourth-year career fair, I was given the chance to secure a pharmacist position with Fred Meyer early on prior to graduation. I relocated to Washington State and worked as a clinical staff pharmacist for Fred Meyer's North Puget Sound district for a year. Seeking new opportunities to expand my skills in acute care, I then completed a PGY1 Pharmacy Practice Residency at Yakima Valley Memorial Center in 2016. It wasn't too difficult a decision to move back home to Guam and work at Guam Memorial Hospital because I knew I would be working with a talented group of past

DKICP graduates – peers I considered family during pharmacy school. At GMH, I currently work as a clinical pharmacist assigned to the telemetry and progressive care unit. I thank the school and staff for providing us with a well-rounded education and for being a catalyst for pharmacist practice change in the Pacific. At GMH, there has certainly been growth in pharmacy clinical services, and I am excited for more service expansion with the help of my Guam-based DKICP colleagues. Memories of Hilo's cool breeze, coqui frogs, late night study sessions, and counseling in pidgin at KTA Puainako Pharmacy echo in my mind; and with a smile on my face, I can say that my 4 years at DKICP was one of the most memorable periods of my life.

Dr. Chi Chiu Au Yeung

(Class of 2015)

After graduating pharmacy school, I decided to move to Guam to work as a staff pharmacist at Kmart pharmacy. I immediately fell in love with the island's hospitality and took advantage of its close proximity to nearby countries by traveling to Japan, Korea, Philippines, Taiwan, Hong Kong, Thailand, Vietnam, Bali, Cambodia, Singapore, and Malaysia. On my free time, I enjoy scuba diving and hiking. Recently, I started working at Guam Memorial Hospital. I am excited for the change and look forward to learning and improving my skills as a hospital pharmacist. Looking back at the years spent in Hilo, I miss the Hilo rain, the poke bowls, and my classmates.

Dr. Blanche Duarosan

(Class of 2015)

One of my goals after pharmacy school was to give back to my home island by working in the local public hospital. Thus I have moved back to Guam after graduation and interned at Guam Rexall Drugs, a community pharmacy, while studying for my license exams. Once I became a registered pharmacist, I was hired to staff at Guam Memorial Hospital where I currently work alongside alumni from UH Hilo. On my free time I enjoy being with family and planning trips off-island especially to Japan. Despite being back home, I miss the Big Island including its nature (i.e. Hilo rain and clear night skies especially at Mauna Kea) and the food from local restaurants (i.e. Lucy's, Cousins, and Suisan).

Dr. Darian Oshiro

(Class of 2015)

After graduation, I started working at the newly built Guam Regional Medical City as one of their first pharmacist hires. I'm currently the pharmacy representative on our hospitals antimicrobial stewardship committee and manage quality assurance measures for the pharmacy. During my first year in Guam, I also became the Pharmacist-in-Charge of Healthcare Services of the Pacific Home Infusion Pharmacy which primarily dispenses intravenous antibiotics for administration in patient's homes. Other than pharmacy, I spend a great deal of time traveling around Japan and enjoying the slow pace of Guam which is very reminiscent of Hilo.

College of Pharmacy names fall 2017 Dean's List

The following students from The Daniel K. Inouye College of Pharmacy at the University of Hawai'i at Hilo have been named to the Dean's List for the 2017 fall semester.

Class of 2021

Clifford Agcaoili, Trang Bui, Aileen Bulatao, Brandon Chagami, Thai Dinh, Lauren Domingo, Sean Domingo, Angina El, Justin Fujiwara, Tailai Guan, Taylor Hiraga, Jake Hctor, Feng Ming Huang, Jenna James, Patsylynn Jetley, Melody Keshavarz, John-Michael Kimhan, Da Hai Lee, QiXin Li, Kimberly Lin, Noelle Lovesy, Brittany Luna, Christian Macaspac, Josephine McDonald, Shane-Earl Naeole, Nu Nguyen, Lan Thi Hoang Nguyen, Destinee Ogas, Kimo Okamoto, Rebecca Oshiro, Calvin Ostler, Jaymee-Rae Pang, Elaine Phan, Henry Quach, Tiana Ramos, Tiana Ramos, Norlyn Ranchez, Sera Shimizu, Maysyvelle Sistoza, Johnson Siu, James Soe, Fumiko Steiger, Melissa Ann Tyndale, Christian Villalta, Donald Waddell

Class of 2020

Brandi Chun, Joshua Dillon, Jensine Melody Domingo, Amelia Furlan, Jhoana Paula Gonzales, Taylor Hori, Kamala Lizama, Tracy Lopez, Mary Lui, Jarin Miyamoto, Tony Moua, Stacey Nguyen, Brent Ocker, Tyler Peterson, Felix Rasgo, Robyn Rector, Taumie Richie, Shaina Saiki, Reid Shimada, Samantha Texeira, Jared Toba, Johnny Tran, Kelsey Trujillo, Thi Hong Vo, Stacie Waiamau

Class of 2019

Sydney Barney, Deniz Bicakci, Athena Borhauer, Rene-Scott Chavez, Torrence Ching, Katrina Downey, Samantha Gonzalez, Cathlyn Goo, Leigh Heffner, Faith Hicks, Vance Hill, Preston Ho, Stacy Huynh, Gurinder Kaur, Logan Kostur, San Ly, Kate Malasig, Jennifer Nguyen, Thu Nguyen, Kelsey Noetzelmann, Kara Paulachak, David Pham, Gam Phan, Rachel Randall, Lindsey Reinholz, Desiree Shouse, Clement Tran Tang, Shannon Trinh, Nicholas Tsoi, Ashley Uehara, Nancy Wong, Veronica Wong, Krystin Yasay, Carrie Yeung



Student Achievements

Logan Kostur (Class of 2019) and Katie Post (Class of 2018) were accepted into the Cancer Council Engagement Program from the American Cancer Society Cancer Action Network. The program is a newly formed group by the American Cancer Society Cancer Action Network, Inc. Hawaii Pacific, with the aim of training youth ages 17-24 to be knowledgeable about cancer policies in Hawai'i and to serve as effective advocates in helping to educate their communities and legislators about measures to prevent cancer.

Champions of Pharmacy

Dr. Kurt Schanzenbach has been named a Champion of Pharmacy for Winter 2018

As Director of Pharmacy Services at The Queen's Medical Center (QMC) for the past 15 of his 37 years at QMC, Dr. Schanzenbach supported building a college of pharmacy in Hawai'i before one began.

"I firmly believed that it would be a catalyst to help push the profession forward in our State," he recalls. "And indeed it has."

Under Dr. Schanzenbach's leadership, QMC has trained more student pharmacists for their Introductory Pharmacy Practice Experiences (IPPE) and Advanced Pharmacy Practice Experiences (APPE) than any other DKICP training site. Since 2009, QMC will have taken 121 IPPE students and 378 APPE students. QMC also provided further training to seven DKICP graduates after completing their PharmD, as first year pharmacy residents. In addition, Dr. Schanzenbach was instrumental in the movement of clinical pharmacy in the state of Hawai'i through volunteer efforts such as serving as President of the Hawai'i Society of Hospital Pharmacists and creating some of the earliest clinical positions as far back as the late 1980's.

Born in Yakima, Washington and raised in Fairfield, a small farming community in eastern Washington just south of Spokane, Dr. Schanzenbach earned his bachelor's degree from Washington State University in Pullman, WA, and went on to the University of Kentucky (UK) in Lexington, KY, where he completed their combined PharmD/Residency program. The residents are numbered chronologically at UK, and that identification sticks with them throughout their career.

To fellow residents who completed residencies at UK, Dr. Schanzenbach is R78, or the 78th

Resident at UK.

Before coming to The Queen's Medical Center as Clinical Pharmacy Specialist, he served as adjunct

clinical professor of pharmacy at the University of Kentucky. He became Coordinator of Clinical, Pharmacy Services at QMC, where some of his accomplishments included starting a patient specific drug dosing service as well as a clinical pharmacy service programs in oncology and behavioral health, which is where he met the future Dean of the College, Dr. Carolyn Ma.

"The pharmacy profession in Hawai'i would not be what it is today were it not for Dr. Schanzenbach's dedication and work ethic," Dean Ma says. "Although he's just recently retired, I am confident we can continue to count on his influencing future generations of pharmacists through his continued



Celebrating Dr. Kurt Schanzenbach's retirement from The Queen's Medical Center are (from left) Dean Carolyn Ma, Dr. Schanzenbach and Dr. Sheri Tokumaru.



Kurt Schanzenbach (seated far right) with his residency class at the University of Kentucky in 1979.

participation on the Dean's Council and from his involvement with current pharmacists in the State."

As Director of Pharmacy Services at QMC, Dr. Schanzenbach was successful at setting up programs and improvements that will affect what DKICP student pharmacists do in the future, such as expanding automation and implementing the bedside bar code medication administration program. But he notes that QMC was a better place for patients because of DKICP.

"The contributions made by the residents and students at QMC has made a difference in the quality of care we have been able to provide our patients."

He adds: "Isn't that what we are all about?"

With this award, we recognize Dr. Schanzenbach's unwavering support and guidance the pharmacy profession, and are grateful for his continued affiliation.

NOTE TO ALUMNI:

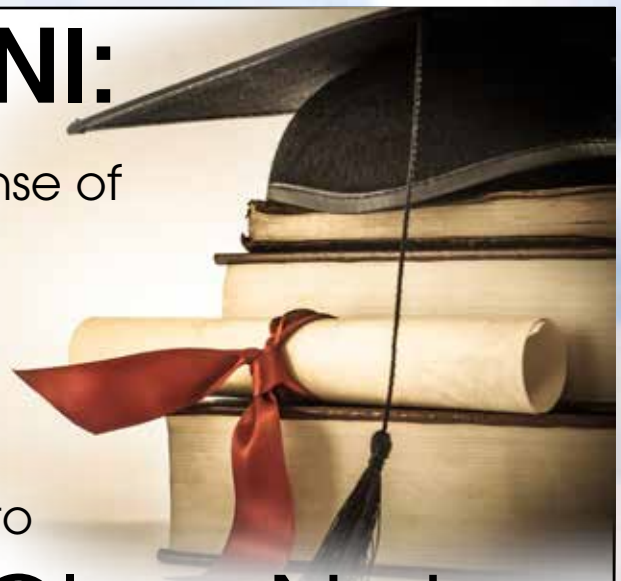
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