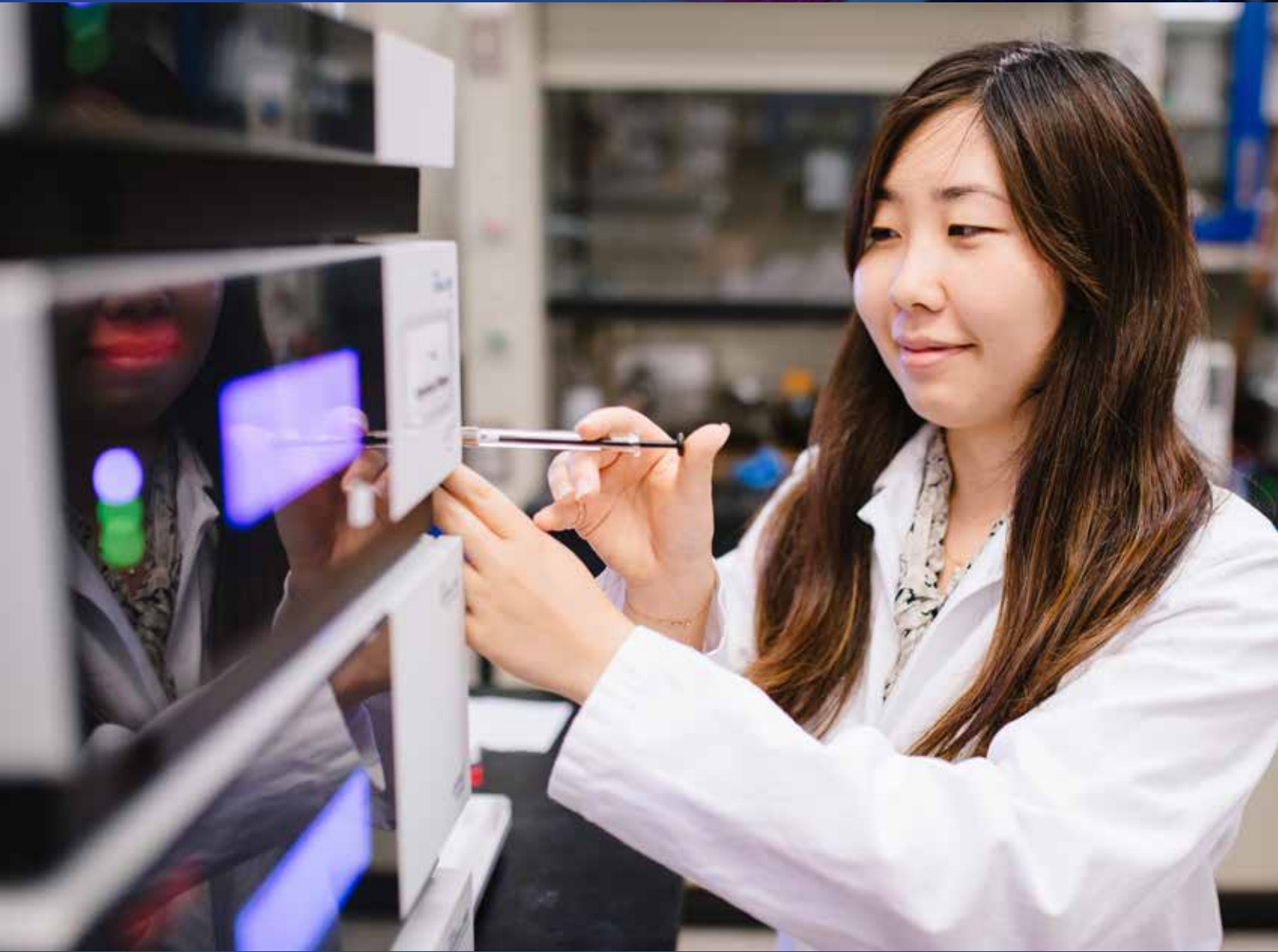


One who mixes ingredients, drugs or medications: a pharmacist

Kāwili Lā'au

The Daniel K. Inouye College of Pharmacy at the University of Hawai'i at Hilo
Summer 2019 • Volume 11, Issue 3



UNIVERSITY
of HAWAII®
HILO

Continuing research with award winner!

Aloha
Class of
2019

Dean's Message



The Class of 2019 is our ninth graduating class that has the distinction of being the first class to hear the singing of the DKICP 'oli (chant), "Oi Ola Wai Honua While there Is Time." Born in Hawai'i, I was raised to honor the significance of our host culture's rituals that honor the space and people with which we open and close our gatherings. Oi Ola Wai Honua is a chant written by Taupouri Tangaro, the Director of Hawaiian Culture and Protocols Engagement for the University of Hawai'i at Hilo and Hawai'i Community College. Our 'oli speaks to one's potential and to one's own profoundness. In order to fulfill both, whether great or small, there must be the presence of opposites. For there to be light, there must be dark, for there to be fire, there must be water, for sky then earth, and most relevant to our college, for there to be a teacher, there must be a student.

As we move to a twice-yearly edition, the cover of our summer *Kāwili Lā'au* showcases a student who represents just one example of the type of serious international scholars who are drawn to higher education at DKICP. Ashley Fukuchi successfully completed her first-year of pharmacy school and has already won a national award for research with Dr. Leng Chee Chang from the Department of Pharmaceutical Sciences.

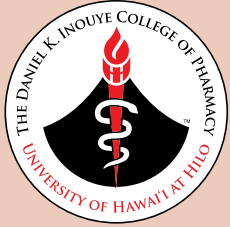
This end of a school year always brings the feeling of incredible reward and awards. As we bid our graduates a fond farewell and we see our other students advancing to summer rotations, it makes all the hard work that our faculty and staff dedicate to our students totally worthwhile. Our Spring Awards ceremony highlight the successes of our students and scholarship recipients, the students honor their professors with teaching awards and we bid a heartfelt aloha to our third-year student pharmacists as they nervously head off to their Advanced Pharmacy Practice Experiences (APPE). In addition, the University honored two of our faculty. The UH Board of Regents award for teaching went to our Dr. Supakit Wongwiwatthananutit and the UH Hilo Faculty Mentor award to Dr. Julie Adrian. Both faculty represent our highest standards.

Of course, to add to the new tradition of our 'oli, we have our other events that have become annual happenings such as the Compounding Boot Camp, thanks to the generosity of our benefactor Walter Kam. Every week around Easter, Hilo hosts the world's largest hula competition and every year since our 2007 opening, the students create a float for the parade complete with the naming of Mr. and Mrs. Pharmacy!

I believe that everything comes to us in perfect time and space. Similar to most other colleges, we are facing challenges, but I look at these challenges as opportunities. Hence the timing of our 'oli "While There Is Time," sets the stage for us begin the process of envisioning a new curriculum to better prepare our students for pharmacy practice and research in 2020 and beyond. Perfect time and space will also manifest with our moving into our new permanent building come the fall semester. After waiting 13 years, my sincere gratitude to so many who have had a hand and heart in this landmark accomplishment. I hope to see you at our celebration.

A handwritten signature in black ink that reads "Carolyn Ma". The signature is fluid and cursive, with a long, sweeping underline.

Carolyn Ma
Dean



Kāwili Lā'au

Summer, 2019
Volume 11, Issue 4

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the University of Hawai'i at Hilo



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Contents

Congratulations Class of 2019	2
Commencement	4
Graduation Luncheon	6
Recognition Ceremony	7
Regents recognize Dr. Supakit for teaching	7
First-year student awarded national research prize	8
Merrie Monarch parade brings together College, Community	9
Boot Camp continues age-old tradition	10
Meet new chair of pharmaceutical sciences: Dr. Dianqing Sun	11
Educational seminar focuses on faculty leadership	12
Spring celebration rewards excellence	15
INBRE highlights research on all campuses	18
<u>Regular Features</u>	
Faculty Briefs	22
Student Organizations	25
Rotation Report	35
Preceptor Focus	36
Alumni Update	37
Champions Corner	38
Dean's List	39

On the Cover: Ashley Fukuchi (Class of 2022) was one of only two students internationally selected to receive the 2019 ASP Undergraduate Research Award from the American Society of Pharmacognosy. (Photo by Tracey Niimi)

Congratulations Class of 2019

Pharmacy graduates were among 640 candidates for degrees and certificates at University of Hawai'i at Hilo's Spring 2019 commencement May 11 at famed Edith Kanaka'ole Multi-Purpose Stadium in Hilo. There were 74 students earning PharmDs, with one student earning his master's degree in Clinical Psychopharmacology.

Before the graduates received their diplomas, Professor of Pharmacy Practice Supakit Wongwiwatthananut was honored with a presentation of the University of Hawai'i Regents' Medal for Excellence in Teaching (see related story, page 7)

Families and friends, teachers and mentors, packed the stadium to watch the carefully choreographed march of the graduates as they took their seats. Many faculty members showed their support and donned the garb of their graduating institution and marched in with the students.

Hawai'i News Now reporter Mileka Lincoln delivered the keynote address, and Misty Figueira, who received a bachelor of arts

in English and a bachelor of arts in sociology with a certificate in creative writing, was the student speaker. Both Lincoln and Figueira are originally from Hawai'i Island.

The traditional "hooding ceremony," whereby students receive the completion of their academic regalia from Dean Carolyn Ma, gave the students a chance to make the transition from "student pharmacist" to "Pharm.D." Chair of the Department of Pharmacy Practice Roy Goo assisted Dean Ma as he took the ceremonial hood from over their arm.

Many stayed at the stadium afterwards to pose for pictures, receive masses of colorful flower leis and make plans for more celebrations.

The Class of 2019 now can begin successful careers as a pharmacist while holding on to the memories of four great years at UH. (Photos by Tracey Niimi, Robbyn Peck and Raiatea Arcuri)





Awards luncheon kicks off graduation events

Soon-to-be graduates returned to Hilo from their respective rotation sites and celebrated the official kickoff for 2019 graduation celebrations during a luncheon held at the Hilo Yacht Club on May 12.

Dean Carolyn Ma welcomed the students and faculty to the beautiful ocean setting, saying:

“One of the traditions of this luncheon is my sharing of an adjective of how I see this class and for this class I was actually given two descriptors: optimists and adventurous. Optimist is defined as being hopeful and confident about the future and adventurous, willing to take risks or to try out new methods, ideas, or experiences.

I know some of you are worried about the filling job market, and this is where your optimism will serve you well. This is a health profession, there are peaks and valleys, but there is work out there. It’s a matter of where and what type of work. No matter what the job is out there, you have something to learn and you have valuable skills to contribute. Remember this description – optimist and I know this mantra will help to acquiesce your worries and concerns.

The second adjective is adventurous. You are a class that was willing to try different things, explore different areas, think outside the box. Pharmacy is on the cusp of creating new types of jobs, in areas such as informatics, primary care extension, health care policy and interprofessional education. Use your adventurous spirit to try these different areas, to go where no pharmacist has gone before.”

Drs. Lara Gomez and Roy Goo assisted Dean Ma with a hooding demonstration to show the Class what to expect on Saturday at Commencement.

Class President Athena Borhauer announced that the Class of 2019 yearbook is electronic and will be forwarded to the College upon completion. She also announced the class gift of \$1000 for a gift for the permanent building and \$1700 toward the DKICP general scholarship fund.

DKICP alum Dr. Cherie Chu (Inaugural Class of 2011), who also is an assistant professor in the Department of Pharmacy Practice, represented the Alumni Association. She gave the soon-to-be DKICP alum an update on upcoming events and urged them to continue



the commarderie they developed.

Dr. Jarred Prudencio presented the following awards:

Kara Paulachak was given the American Pharmacists Association-Academy of Student Pharmacists (APhA-ASP) Senior Recognition Certificate. The certificate is awarded to a graduating senior for making the greatest contribution to the APhA-ASP Chapter. It is the outstanding work performed by this student that provided other members with a more fulfilling, productive and enjoyable learning experience.

Kelsey Noetzelmann was presented the 2019 Mylan Excellence in Pharmacy Award. This award recognizes high academic achievement and personal motivation of top students in pharmacy colleges or schools throughout the U.S. To be considered for the award, the recipient must be a graduate of the Class of 2019; must be in the top 25 percent of his/her class academically and intend to enter practice upon graduation; and demonstrate high personal motivation and possess a unique ability to communicate drug information.

(Photos by Tracey Niimi)

Class of 2019 spends final night as student pharmacists together at banquet

On the evening of Friday, May 10, the night before UH Hilo's Commencement, members of the Class of 2019 joined their families, faculty, friends and colleagues for a Graduation Recognition Ceremony at the UH Hilo Campus Center Dining Room.

The evening's ceremony was distinguished by the introduction of a special DKICP Hawaiian chant, or oli, written by Director of Hawaiian Culture and Protocols Engagement for the University of Hawai'i at Hilo and Hawai'i Community College Taupouri Tangaro (translated in separate story). The oli will be performed at all future DKICP events as recognition of our revered host culture.

"As Dean of this college, as a child who was born and raised in the islands, it was important for us to have the genesis of traditions and ceremony, that give us an identity and sense of place. This place of diversity of Native Hawaiian values," Dean Carolyn Ma said that night. "Our college speaks to the profound and potential both great and small in all of us. And that this potential can only be reached when there are two opposite elements, for there to be light, there must be dark, for there to be water, there is fire, for there to be students, there must be a teacher. One cannot exist without the other. And as for me, the two roles are interchangeable based upon the time in one's life. I have learned from you, my teachers in how to lead a college, and I continue to learn every day. All 76 of you have inspired me, our faculty and our staff to continue with our mission to dedicate ourselves to improving the health of our community in this state, the Pacific Rim and across the world."

Daryl Masanda, Director of Student Services, welcomed the celebratory crowd who gathered to honor the grads-to-be. "Tonight's ceremony represents the culmination of four years of hard work as well as a new beginning for the each member of the Class of 2019. It also acknowledges the faculty, staff, administrators, preceptors, community members, and family members' enthusiasm and dedication to the graduating class as well as UH Hilo's PharmD program," he said as he introduced Dean Carolyn Ma, who gave the participants her own special brand of wisdom laced with humor (see attached excerpts).

The Class of 2019 was able to honor some of their mentors by awarding Preceptor of the Year to Melissa Bumgardner, who is Clinical Pharmacist and Manager of Pharmacy Services, West Hawai'i Community Health Center, Kailua Kona and to Faculty Preceptor of the Year Jarred Prudencio, from the Department of Pharmacy Practice. See profiles on these two preceptors at the end of this issue.

Highlights of the evening were speeches by Class President Athena Borhauer and recognition of the three valedictorians, Rachel Randall, Nancy Wong and Ashley Uehara. An additional honor was a special hula performance dedicated to the Class of 2019 by Dr. Koomoa-Lange along with current student pharmacists Nichole Chaffin (Class of 2021), Tiana Enos Dano (Class of 2021), Noelle Lovesy (Class of 2021), and Ashlen Kinilau (Class of 2019). They danced to the song "Palehua," written by Amy Hanaialii Gilliom.

But the main stars of the evening were the new graduates attending the celebration. Each was given traditional Hawaiian lei before advancing to the stage to make a few remarks, some gleeful, some thankful, all emotional as they made preparations for one final, big day together.

(Photos by Tracey Niimi)



The Daniel K. Inouye College of Pharmacy Hawaiian Chant

'Oī ola wai honua

Created by Taupouri Tangaro

E ke akua nui, akua iki
Akua loa, akua poko
Akua lipo ka pō I akua lile kea a
O wehea nāhi o lani
'Oī ola wai honua

English translation:

To profound potential great and small,
Near and far...
The fertile profoundness of night
For the glistening of day
Lay open the fires of heaven
While there is still water on earth.

Na Taupōuri Tangarō

Exerpts from Dean Carolyn Ma's final speech to the Class of 2019

There is a Hawaiian saying: Aōhe hana nui ke alu 'ia. This translates to "No task is too big when done together by all."

And in four years time, Class of 2019, we have done this together: you, a soon to be graduate tomorrow and me, a little wiser, and possibly a little less nervous about my role as this college's leader.

My personal congratulations for finishing pharmacy school. As a class, the faculty has mentioned your energy, your willingness to serve and your strength as a class to help one another and others. For me personally, you were my first incoming class as a dean, and you and I together have moved together four years. I am grateful to you for your patience in these four years of transition, of withstanding the noise of a tractors and bulldozers, jackhammers to set up our permanent building and after all that, not having time in the building.

You are a class that will be the last to have all your years in the modular structures we have been in since 2009, but alas, you will not be the ones to step foot in there come August 19. However, you have been a class of incredible enthusiasm, and energy. You have been tremendous ambassadors for our college in since 2015, for the many visits of legislators, employers to advocate for our building. Your class has been patient with the construction noise, the morning parking scramble, the breakdown of the mods air conditioning and AV. Your Health Fair was hugely successful and you as a class will have easily contributed more than 2000 hours of community service. And you were the class to withstand the three years of a changing administrative team and withstand the scrutiny of a full re-accreditation in 2017, which we passed with flying colors and gained full accreditation till 2025. More than 10 of you will continue on to post-graduate residency training and others of you will find jobs back in your home states or as does happen every year, you may have found your long term home here in the islands.

Every year I ask the faculty to share with me, a few stories of how this class, especially in their last year, have made an impact on their patients. As an example, one student, while on her ambulatory care clinic rotation, built such a great rapport with her patient, who was very resistant to starting a new medication for her osteoporosis. The physician, who had asked this patient many times to begin this medication, said to this student, "...if you could somehow convince her to agree to taking this medication, that would be great." After only one session with the patient, this student did convince the patient to agree. She did this by taking the time to understand this patient's concerns about the medication, which were about the possible side effects, assured the patient that the pharmacy team in the clinic would be monitoring her for any side effects on a frequent basis. And at the end of their clinic visit, the patient asked if this student would be in clinic at her next visit.

Students in your time here, you have seen some key pieces of legislation passed in regards to our profession. For example, the law passed last year allows pharmacists to immunize from 11 years old and to prescribe contraceptives. This year, the 2018 session was also successful in having pharmacist prescribe naloxone to fight the opioid crisis in an attempt to save lives from those who overdose on opiates. Graduates, your leadership played a big part in helping to support this legislation and I urge you to continue in your advocacy to expand our scope of practice both on a state and national level.

I am so very proud of you and wish you well in your next life defining endeavor. I ask you to think of the analogy of a bow and arrow. The bow is the part of the pairing that gives the energy to the arrow. The harder you pull on the bow, the more energy is directed into the arrow. You have in the past four years, pulled back on the bow more than several times. You now set your bow and arrow on a new goal, to always serve your fellow human beings in health and wellness, with compassion, with the highest morals and values.

Mahalo for the privilege of being your dean, and with great excitement, I look forward to the honor of being your colleague.



DKICP grads headed for further training after competing in Match program

DKICP students and alumni continue to represent the college in residencies across the country as they were "matched" in the American Society of Health-System Pharmacists (ASHP) Residency Match Program for 2019.

Residency training is designed to provide recent graduates with accelerated growth beyond-entry-level professional competence. Two types of accredited training are available, PGY1 for the first year residencies after and PGY2, which is focused on a specific area of practice, such as ambulatory care and cardiology. ASHP sponsors "The Match" program that matches an applicant (a pharmacist or graduating pharmacy student) with a residency program.

Over the last five years, PGY1 residency positions have grown by 34 percent and PGY2 positions by 64 percent, according to ASHP, which they say supports the market demand for pharmacists with advanced training to fill medication expert roles on the patient care team. DKICP grads competed for a total of 5,134 residency positions in 2019.

DKICP congratulates the following students:

Post Graduate Year One (PGY1)

Class of 2019

Rene Scott Chavez, University of Washington Medicine, Seattle
Leigh Heffner, William S. Middleton VA Medical Center, Madison, Wisconsin
Gurinder Kaur, Loma Linda University Health, Loma Linda, California
San Ly, Desert Oasis Health Care, Palm Springs, California
Kara Paulachak, St. Joseph's Hospital & Medical Center, Phoenix, Arizona
Randall Rachel, University of Hawai'i at Hilo, Hilo, Hawai'i
Desiree Shouse, Vital Care of Meridian, Meridian, Mississippi
Nicholas Tsoi, University of Hawaii at Hilo, Hilo Hawai'i
Nancy Wong, Mountain View Hospital, Las Vegas, Nevada

Class of 2017

Jaime-Rose Tangonan, St. Mary Medical Center, Walla Walla, Washington

Post Graduate Year Two (PGY2)

Class of 2018

Kelli Goo, Kaiser Permanente Medical Care-Downey, Downey, California
Garret Hino, Loma Linda University Health, Loma Linda, California
Joann Maithy Phan, VA Palo Alto Health Care System, Palo Alto, California

Class of 2015

Edwina Leung, Hawai'i State Hospital/Pharmerica, Kaneohe, Hawai'i



Board of Regents recognize Dr. Supakit Wongwiwatthananukit

DKICP Professor Supakit Wongwiwatthananukit was selected to receive the Regents' Medal for Excellence in Teaching this year. Awarded by the University of Hawai'i Board of Regents, this distinction recognizes UH faculty who exhibit "an extraordinary level of subject mastery and scholarship, teaching effectiveness and creativity and personal values that benefits students."

Wongwiwatthananukit, who is known as Dr. Supakit by everyone, has been on faculty in the Department of Pharmacy Practice at DKICP since 2008. Dr. Supakit says he is committed to creating a learning environment that embraces respect, openness and creativity, and takes every opportunity to help his students grow and develop to becoming effective and caring professionals; and to equip them with a desire for lifelong learning so that they can contribute effectively to patient care. He helped develop

more than seven didactic and experiential courses within the Pharm.D. and Ph.D. programs and serves as a faculty and academic advisor for Pharm.D. student pharmacists and numerous DKICP student organizations. Dr. Supakit was selected by students and the faculty to receive Excellence in Teaching Awards and Student Choice Awards for Pharmacy Practice, four times. He is currently collaborating with colleagues in pharmaceutical sciences on research projects involving drug discovery and the development of natural products as potential anticancer and antibacterial agents. He was also the past recipient of the UH Hilo Award for Excellence in Scholarly/Creative Activities.

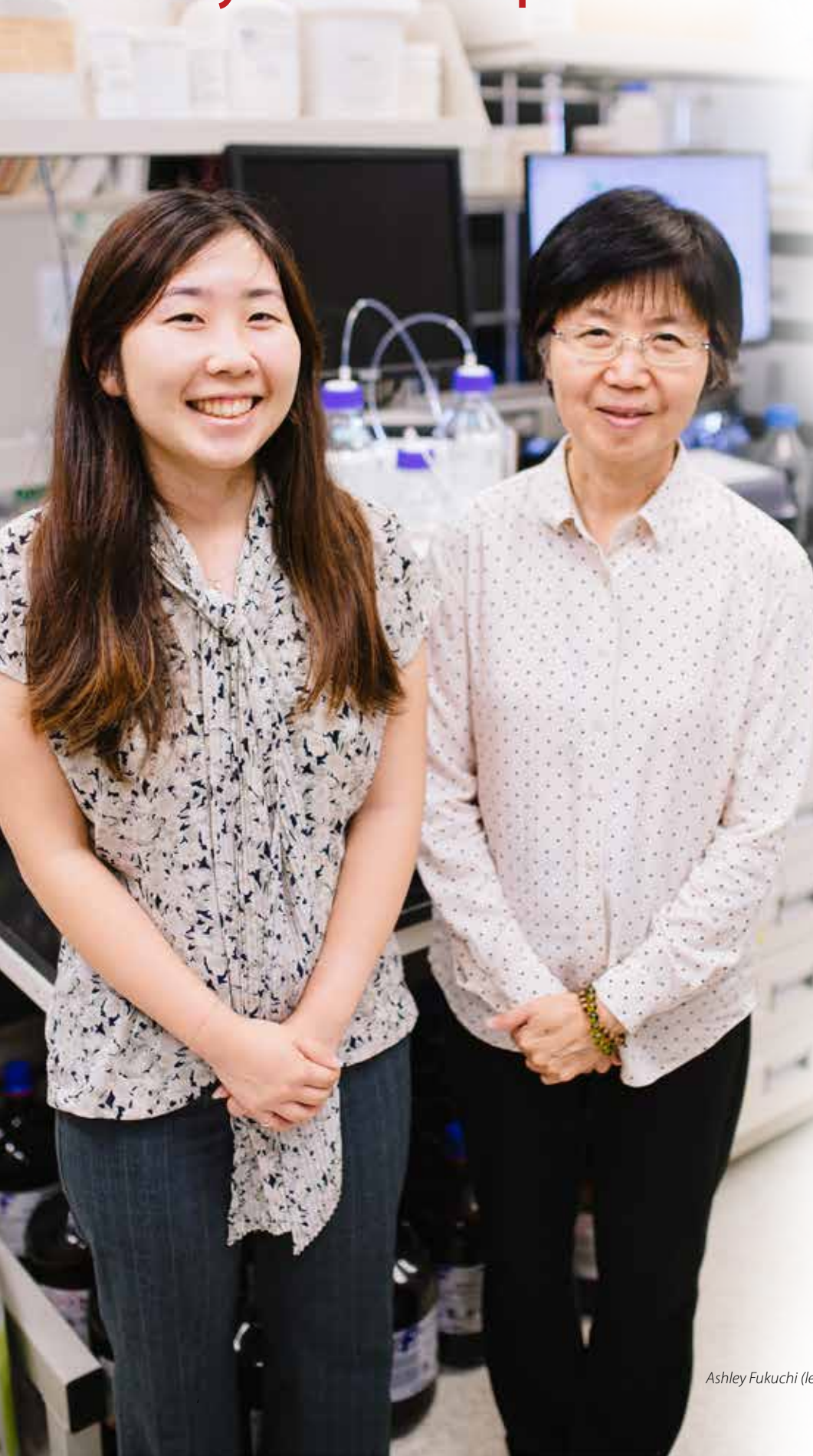
As a faculty member, Dr. Supakit has taken the lead in establishing agreements with universities in his native Thailand. He also coordinated the membership of DKICP

into the US-Thai Consortium. His service was recognized as the recipient of the Outstanding Pharmacy Engagement Recognition Award from Rangsit University, Thailand.

In 2016, Dr. Supakit began serving as interim Associate Dean for Academic Affairs at DKICP. During this time he developed the self-study report that is the basis for the college's reaccreditation from the Accreditation Council for Pharmacy Education. He stepped down in 2018 to return full-time to his faculty duties.

Dr. Supakit earned his bachelor's degree in pharmacy from Prince of Songkla University, Songkla, Thailand. He went on to earn his Pharm.D.(Summa Cum Laude) at the University of Illinois at Chicago, and his master's degree and Ph.D.in pharmacy administration/practice from Purdue University.

National pharmacognosy group recognizes first-year student pharmacist's research



Ashley Fukuchi (Class of 2022) was one of only two students internationally selected to receive the 2019 ASP Undergraduate Research Award from the American Society of Pharmacognosy.

Her research is entitled "Antimicrobial Properties of Hawaiian Medicinal Plants against *Staphylococcus aureus* and Methicillin-resistant *S. aureus* (MRSA) strains."

The award consists of a \$2000 stipend for her and \$500 to her research advisor Dr. Leng Chee Chang to help defray the costs of the research.

Ashley completed her bachelor's in chemistry with a minor in biology and Japanese studies from UH Hilo. Originally from Sagamihara, Japan, she hopes to pursue a PGY1 residency upon graduation with her Pharm.D.

The American Society of Pharmacognosy was founded in 1959 as a society international in scope dedicated to the promotion, growth, and development of pharmacognosy and all aspects of natural products sciences.

Ashley Fukuchi (left) with Dr. Leng Chee Chang



Second-year student pharmacists tasked with building of float for Merrie Monarch parade

By Ashley Maldonado (Class of 2021)

It only seems like yesterday that the class of 2021 was starting out as first-year student pharmacists, often called P1's. Now, these students are almost done with their second year of pharmacy school. Within the past year, the Daniel K. Inouye College of Pharmacy (DKICP) Class of 2021 Student Council has worked hard to be involved with the students of DKICP as well as the Hilo community. With each officer's combined efforts, they have planned school wide socials and was in charge of DKICP's involvement in the Merrie Monarch Parade.

This year's Merrie Monarch Planning Chair, Brittney Palomares-Layaen, along with the rest of student council, worked on the float design with a theme combining the Hawaiian culture and pharmacy. This year's float was covered with ti leaves, monstera, anthuriums and many more native plants. The goal for the float was to showcase DKICP and the profession of pharmacy to the community by adding hand-made prescriptions and using empty pill bottles to decorate the float.

Many members of the community told us they appreciated and complimented DKICP's involvement in the Merrie Monarch festival as the float continued along the parade route. This float wouldn't have been possible without the help from numerous classmates as well as some first-year student pharmacists who helped build the float and walked in the parade.

The 2021 Student Council would like to say thank you to those individuals who went above and beyond helping us throughout the year. All of the events took planning, some even requiring waking up early or staying up late, but all the hard work was worth it. Through planning and involvement of the students, the bond between the Class of 2021, the bond between the different classes and the interaction with the community has strengthened. The Class of 2021 Student Council is excited to see what the future holds for the rest of our time here at DKICP.



Compounding boot camp shows traditional pharmacist's duties to new generation

By Jared Toba (Class of 2020)

This academic year, the National Community Pharmacists Association (NCPA) was able to successfully host the seventh annual Professional Compounding Centers of America (PCCA) Remote Compounding Boot Camp.

PCCA is a nationally known compounding pharmacy company based out of Houston, TX, that offers introductory, veterinary, and advanced compounding courses. This company also offers benefits to its over 4,000 members, such as consulting services and proprietary pharmaceutical blends for its compounding pharmacists in the community.

The boot camp was held on January 19-20 in DKICP pharmaceuticals laboratory, and this opportunity was open to all student pharmacists at DKICP. NCPA was fortunate to have two experienced compounding pharmacists from PCCA, Bindhu Batra, Pharm.D., and Sebastian Denison, R.Ph. Through the two full days (16 hours) of laboratory compounding training, participants were able to learn how to compound 11 different dosage forms such as



Boot camp trio: (From left): Bindhu Batra, Jared Toba, Sebastian Denison. (Photo by Vy Tran, Class of 2020)

lollipops, lip balms, and troches. Upon completion of the boot camp, participants received a certificate of completion, and earned the prerequisite required to enroll in more advanced compounding courses in the future.

This event left a lasting positive impact on the student pharmacist participants because it exposed them to an area of pharmacy that may often be overlooked. Compounding in pharmacy is a very important field as it allows pharmacists to create personalized medications for their patients. Dr. Batra and Mr. Denison were able to express that the field of independent pharmacy, especially for a compounding pharmacist, is still a very viable career option for student pharmacists today.



Boot camp in lab: (From left): Keisha Salvilla, Marlisa Corpuz, Earl Emboltura, Kara Tsuzaki, Sean Domingo. (Photo by Noelle Lovesy, Class of 2021)

We would like to personally thank Dr. Batra and Mr. Denison for making the long trip from Houston to Hilo in order to make this boot camp possible. We enjoyed hearing the many personal stories and enthusiasm displayed by Dr. Batra and Mr. Denison throughout this weekend.

We would also like to thank all the DKICP professors and staff, who helped to make this year's boot camp run smoothly. In addition, we are extremely grateful for the generous donation made by Mr. Walter Kam, in order to assist the participants with a portion of their registration fees.



Walter Kam

NCPA is grateful for the opportunity to continue its professional relationship with PCCA. Our organization will continue to offer opportunities for DKICP's student pharmacists to expand their knowledge in the different areas of community and independent pharmacy. We are excited to help host the 8th annual PCCA Boot Camp next academic year!



Boot camp group: Compounding Boot Camp 2019 (Photo by Jared Toba)

Meet Dr. Sun, Chair of Pharmaceutical Sciences

Dr. Dianqing Sun has been chosen to be the new chair for the Department of Pharmaceutical Sciences.

Dr. Sun is a prolific author and researcher, whose grants have included prestigious R01 and R21 (co-investigator) and R15 (principal investigator) funding from the National Institutes of Health (NIH) as well as funding from IDeA Networks for Biomedical Research Excellence (INBRE), a UH Cancer Center Pilot Study Award, the Leahi Fund of the Hawai'i Community Foundation (HCF) and from the George F. Straub Trust of HCF.

During his tenure at UH Hilo, Dr. Sun has published thirty-six peer-reviewed publications including *Nature Medicine*, *Journal of Medicinal Chemistry*, *ACS Infectious Diseases*, *ACS Combinatorial Science*, *Organic & Biomolecular Chemistry*, and *Synthesis*; filed six US (provisional) patent applications; and had one issued US patent. In addition, Dr. Sun has trained and mentored seven post-doctoral fellows, one PhD student, six PharmD students, and fourteen undergraduate and high school students. Since 2014, Dr. Sun has been invited to serve on the NIH grant review panels six times, National Science Foundation (NSF) review panels three times, and UK Medical Research Council grant review panels two times. He is also frequently invited to serve as a reviewer for numerous journals including *Science*, *Science Advances*, *Journal of Medicinal Chemistry*, *the Journal of Organic Chemistry*, and *Journal of Natural Products*, etc. Among numerous editorial appointments, he served as Guest Editor for *Current Topics in Medicinal Chemistry* and *Journal of Clinical Medicine*, currently serves as Review Editor for *Frontiers in Oncology* (Cancer Molecular Targets and Therapeutics) and Editorial Advisory Board Member for *Molecular Diversity* published by Springer Nature.

His research program focuses on discovery and development of antibacterial and anticancer agents using small molecule-guided and natural product-inspired approaches.

Dr. Sun came to Hilo in 2009 after working as a post-doctoral fellow at the University of Tennessee Health Science Center, Memphis, Tennessee. He received his master's degree in Organic Chemistry from East China University of Science and Technology, Shanghai, China. He received his Ph.D. in Organic Chemistry from the University of Memphis, Tennessee.

His honors include the Gordon Research Conference on Combinatorial Chemistry Graduate Fellowship Award in 2005, Excellence in Teaching Award for Pharmaceutical Sciences in 2011, American Chemical Society (ACS) Division of Organic Chemistry Faculty Travel Award in 2012, Gordon Research Conference on New Antibacterial Discovery & Development Predominantly Undergraduate Institution Fund Award in 2014, the American Association for Cancer Research (AACR) Minority-Serving Institution Faculty Scholar in Cancer Research Award in 2016, the Excellence in Scholarly/Creative Activities Award from UH Hilo in 2017, and Student Choice Award for Teaching Pharmaceutical Sciences in 2019. (Photo by Cherielyne Baldugo, Class of 2020 at the Spring Awards Banquet 2019)



Faculty recruits community expert for leadership workshop

The DKICP Faculty Development Committee (FDC) presented a professional development workshop to 43 participants on the DKICP campus May 21. The workshop was offered to all UH Hilo employees.

The Committee enlisted Glenn Furuya, president and CEO of Leadership Works, a business development and consulting company. His presentation was called “The Five Seeds of Effective Leadership – Essential Patterns,”

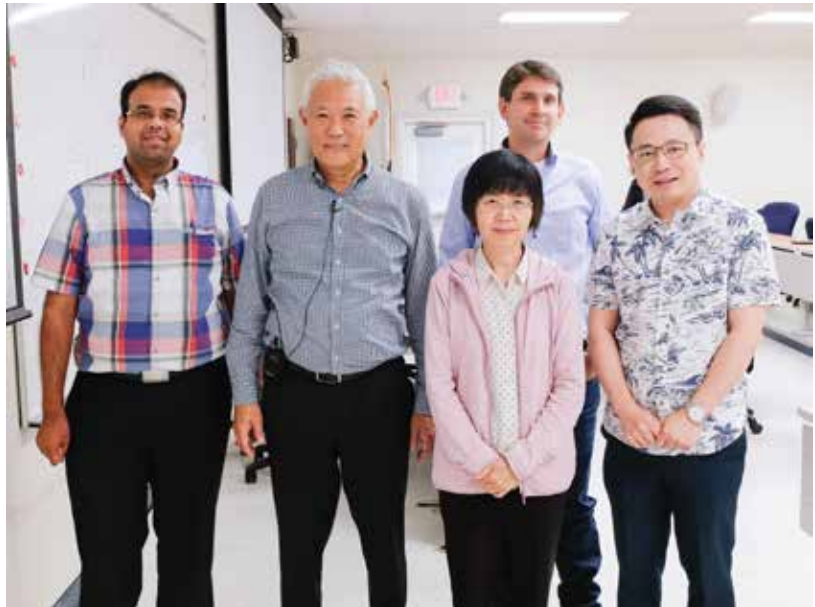
Furuya has been devoted to improving the skills of people, teams and organizations through leadership training for more than 30 years. The author of “The Little Book with 50 Big Ideas on Leadership,” he has trained with top business leaders in their fields around the world with his extensive knowledge in leadership and process improvement. He is widely considered one of the top leadership experts and educators in his field.

His “five seeds of effective leadership” include: choice, passion, reason, empathy and discipline. Objectives included making appropriate choices and sound decisions, understanding the basic skill of leadership, optimizing processes to get things done, avoid falling into a common trap that usually results in failure, unlocking passion and find joy at work and ensuring the right things get done, in the right way.

FDC Chair Leng Chee Chang, associate professor in the Department of Pharmaceutical Sciences, said the workshop received good attendance and positive responses. “The lecture was well organized, excellent and very engaging,” she said.

FDC members are Abhijit Date, Ingo Koomoa-Lange, Deborah Taira and Supakit Wongwiwatthananutit.

The workshop was made possible with support from the Chancellor’s Professional Development Fund. (Photo by Tracey Niimi)



(From left): Abhijit Date, Glenn Furuya, Leng Chee Chang, Ingo Koomoa-Lange, and Supakit Wongwiwatthananutit

Ph.D. program presents seminar series

Several Ph.D. students presented their research on DKICP campus at a Graduate Student Seminar Series May 3.

“This presentation gives our students experience in explaining their research to peers and other faculty who understand the science,” said Ghee Tan, associate professor and director of the Ph.D. in Pharmaceutical Sciences Program.

Students and the titles of their research were:

Sasha Nealand (faculty advisor Dr. Leng Chee Chang): “The Isolation of Anti-Mycobacterial Terpenoids from *Grindelia stricta* var. *platyphylla*”

John Jacob (faculty advisor Dr. Susan Jarvi): “In-vitro Investigation of FDA-approved Anthelmintics for Rat Lungworm Disease”

Samiul Atanu (faculty advisor Dr. Ghee Tan): “Fermentation Enhances the Inhibitory Effect of *Morinda citrifolia* (Noni) Fruit on Signaling Pathways Promoting Cancer Cell Survival and Growth”

Ahammad Zaman (faculty advisor Dr. Shugeng Cao): “Exploring Hawaiian Soil Fungus [from Mauna Kea & Waimea Canyon] for Novel Compounds”

Tifaine Crivello (faculty advisor Dr. Dana Lynn Koomoa-Lange): “An Indigenous Approach to Studying The Medicinal Effects of ‘Awa”



(From left): Ghee Tan, Shugeng Cao, Samiul Atanu, Tifaine Crivello, Sasha Nealand, Ahammad Zaman, John Jacob and Ingo Koomoa-Lange.

SAVE THE DATE

Wednesday, December 4, 2019

10 a.m. to noon

Grand Opening



For more information, contact Tanakat@hawaii.edu or call 808-981-8000.

**ALUMNI REUNION
WEEKEND &
POSTOUR
IN HILO**

**until next year due to building construction
delays. More information to come.**

Dr. Gomez named Associate Dean for Academic Affairs



The University of Hawai'i Board of Regents confirmed the appointment of Dr. Lara Gomez for the position of DKICP Associate Dean for Academic Affairs at their July 18 meeting in Honolulu.

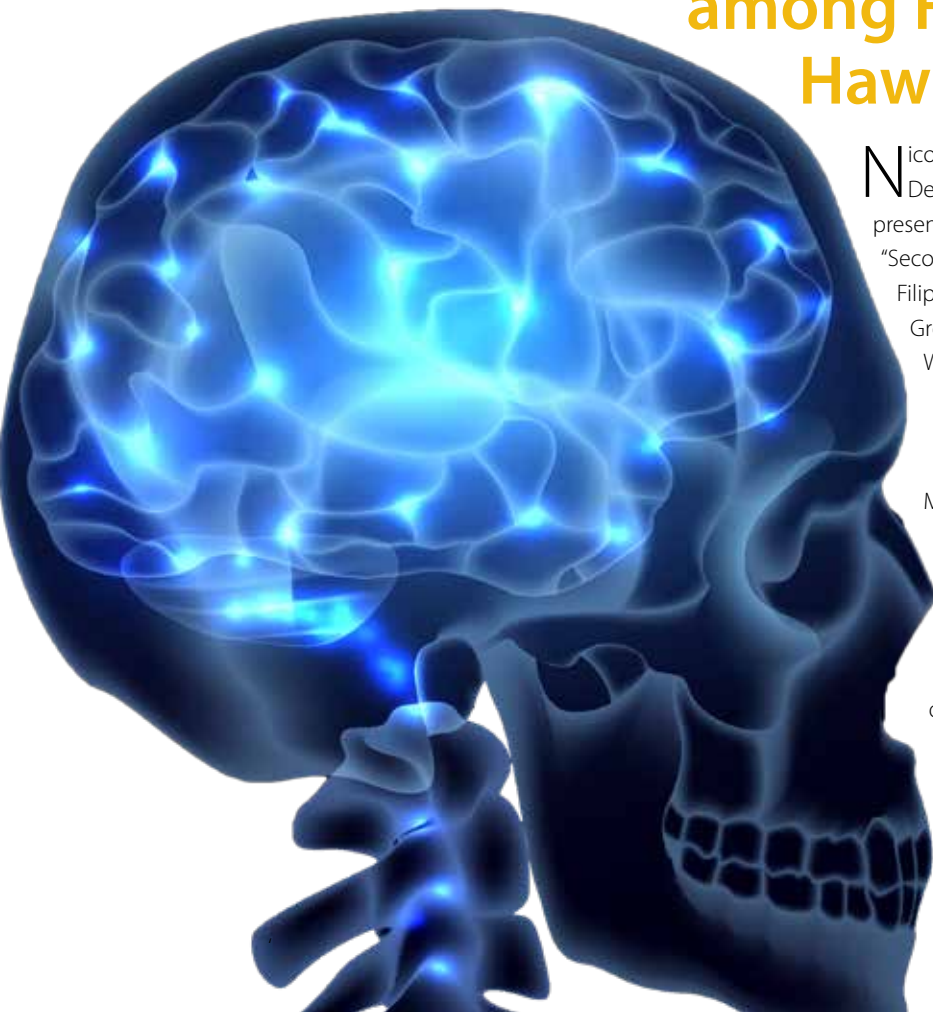
Dr. Gomez is a Hilo native and graduated from Waiakea High School. She received her Doctor of Pharmacy (PharmD) degree from the University of New Mexico College of Pharmacy and completed a specialized residency in the area of Infectious Diseases. Upon her return to Hilo she was a pharmacist at KTA Superstores, then joined the College of Pharmacy in 2009 as a Clinical Coordinator. In 2012, she also assumed the responsibilities as the Director of Clinical Education, managing the experiential program.

The experiential program comprises more than 30 percent of the flagship Doctor of Pharmacy curriculum and all students who move through the program have had extensive interactions with Dr. Gomez and her staff. In her dual role, Dr. Gomez manages hundreds of clinical sites located on all four major Hawaiian islands, the continental U.S. and Alaska, and at the international sites of Thailand, Guam, American Samoa and Australia. The program also trains and oversees preceptor pharmacists, nurse practitioners, physicians and other community partners, who mentor and precept our students in pharmacy practice and health care.

Professional health programs cannot exist without the cadre of practice sites or preceptors and the Experiential program aids in the readiness of our graduates for the National Pharmacy Licensure Board Examination (NAPLEX), as well as assures our students' readiness for the Pharmacist Patient Care Process (PCPP) and Entrustable Care Activities (EPA), standards that are linked to the Association of College of Pharmacy (ACPE) accreditation.

In addition to her management role, Dr. Gomez has coordinated and taught in didactic courses such as Pharmacokinetics, Pharmacy Calculations, Pharmacy Law and Ethics, and Applied Pharmaceutical Care. In 2017 she received the UH Hilo Faculty Innovation Award for her creation of the experiential bootcamp that prepares students to perform at their highest levels when working at experiential sites.

Project seeks to prevent secondary strokes among Filipinos in Hawai'i



Nicole Young, assistant professor in the Department of Pharmacy Practice, presented results of a project entitled "Secondary Stroke Prevention Among Filipinos Compared with Other Racial Groups in Hawai'i" at the Mountain West Clinical and Translational Research Infrastructure Network (MW CTR - IN) 6th Annual Meeting in Las Vegas June 11-12.

The results were the product of a grant funded by the MW CTR-IN pilot grant in October 2018. Dr. Young was the principal investigator with co-investigators Dr. Kazuma Nakagawa (JABSOM) and Drs. Sheri Tokumar and Deborah Taira as her mentor.

The purpose of this pilot grant funding was to build clinical and translational research in health disparities. MW CTR-IN is a National Institutes of Health (NIH) funded Institutional Development Award (IDeA) program.

Leadership, scholarship celebrated at annual ceremony

The annual Spring Awards Ceremony gave students and faculty due respect this year on May 2 at popular Hilo venue Aunt Sally Kaleo-hano’s Luau Hale, 799 Piilani St, in Hilo.

DKICP Office of Students Services spent countless hours preparing for the event, which has evolved throughout the college’s existence from a small luau at the Dean’s house to a extravaganza that faculty, staff and students look forward to every year. Dean Carolyn Ma welcomed the group. (See sidebar for her remarks.)

After a sumptuous and varied shared-dish dinner, Tracey Niimi, student support specialist, served as master of ceremonies for the event and announced the following award winners.



Student Choice Award for Teaching

Class of 2022: Abhijit Date (from the Department of Pharmaceutical Sciences) and Supakit Wongwiwatthananukit (from the Department of Pharmacy Practice)

Class of 2021: Dianqing Sun (from the Department of Pharmaceutical Sciences) and Louis Lteif (from the Department of Pharmacy Practice)

Class of 2020: Daniela Guendisch (from the Department of Pharmaceutical Sciences) and Anita Ciarleglio (from the Department of Pharmacy Practice)



Preceptor of the Year: Melissa Bumgardner, Manager of Pharmacy Services, West Hawai’i Community Health Center, Kailua Kona

Faculty Preceptor of the Year: Jarred Prudencio, Department of Pharmacy Practice



Ambassadors:

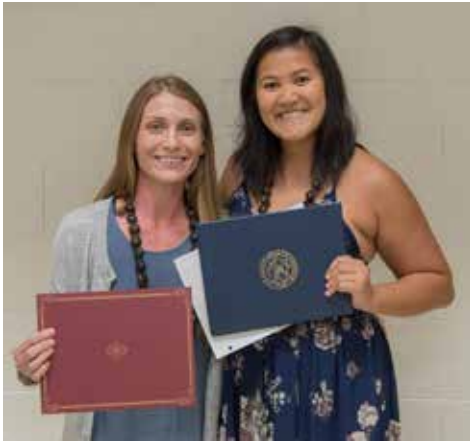
Class of 2020: Mary Lui, Vince Manalo, Andrew Nguyen, Shaina Saiki, Johnson Tran

Class of 2021: Brandon Kozima, Christian Macaspac, Josephine McDonald, Karen Pae, Henry Quach



UH Hilo Student Association (UHSA) senators:

Niloofer Soltanipour (left) and Brittany Luna



**Pharmacy Curriculum Outcomes Assessment (PCOA)
Highest Achievement**

The student pharmacist from the DKICP Class of 2019 who scored in the 99th percentile nationally, meaning that he scored at or higher than 99% of the examinees in the third program year in the normed reference sample:

Robyn Hart

**United States Public Health Service Commissioned Corps
Excellence in Public Health Pharmacy Practice Award:**

Kathleen Nguyen



American Pharmacists Association (APhA) Recognition:

Past president Kara Paulachack and current president Brandi Chun were called up on behalf of APhA and the ALOHA project to be recognized for receiving the national Chapter Innovative Programming Award for the 2017-2018 year.

Faculty advisor Jarred Prudencio also announced that the APhA Operation Heart project received the 2017-2018 Region 8 Award. This award recognizes outstanding development and implementation of a patient care project that increases awareness of cardiovascular disease through screening and educational activities, leading to improvements in the health of our nation.

**National Community Pharmacists (NCPA) Outstanding
Student Member of the Year:**

Ashley Maldonado



Student Organization of the Year:

The Tobacco Prevention Project, represented by Wilson Datario and Nichole Chaffin

**Kahele Student
Leader of the Year:**

Jhoana Paula
Gonzales

Also announced that night were scholarship winners for the upcoming 2019-2020 academic year (see separate story).

The annual celebrations wouldn't be complete without the showcase of talent, usually having nothing to do with the field of pharmacy. Judging the five groups of entertainers were faculty members Patricia Juszczak, Anita Ciarleglio, and Jarred Prudencio. Performers included Nichole Chaffin, Tiana Enos-Dano, and Noelle Lovesy, (Class of 2021) doing a poi ball performance; Alan Trinh (Class of 2021) doing a modern traditional dance; Kendrick Dalmacio (Class of 2022) performing a dance piece called "Clarity;" Nikko Magtoto's (Class of 2022) performance was entitled "The Wedding Singer: a man, his voice and his piano" and sang Back at One by Brian McKnight while playing a keyboard; and Christian Macaspac (Class of 2021), the winner of the evening, sang "Straight Up" by Paula Abdul while playing the guitar.

(Photos by Cherielyne Baldugo, Class of 2020)



SCHOLARSHIPS, 2019-2020

The recipients of the DKICP scholarship awards for the 2019-2020 academic year are:

The Daniel K. Inouye College of Pharmacy Merit Award

Recipients are chosen based on a competitive process that takes into consideration academic and leadership success.

Class of 2020: Joshua Dillon, Amelia Furlan, Robyn Hart, Taylor Hori, Mary Lui, Stacey Nguyen, Reid Shimada, Jared Toba

Class of 2021: Sean Domingo, Qixin (Sandy) Li, Brittany Luna, Jaymee-Rae Pang, Johnson Siu, Donald Waddell

Class of 2022: Alysha Cosier, Tran Dinh, Ashley Fukuchi, Leia Hasegawa, Brian Petrone, Donald Sachs, Melanie Sacro
UH Hilo CoP Alumni Association Scholarship: Qixin (Sandy) Li

The UH Hilo DKICP Alumni Association chapter established a scholarship to recognize students whom exhibit academic merit and leadership that promotes DKICP and who have a strong interest in participating in DKICP Alumni Association chapter activities. This year's scholarship is supported by the DKICP Alumni Association chapter, Dr. Elwin Goo, donations made by previous DKICP graduating classes, and other donations made by DKICP supporters.

Aloha Shoyu Pharmacy Scholarship: Nichole Chaffin and Jody Yamada-Ueda

Brian Tanigawa, President of Aloha Shoyu, had a longtime career as a pharmacist before taking over as president of the Aloha Shoyu Company, which is one of Hawai'i's leaders in soy sauce sales. Under his leadership, the company established the Aloha Shoyu Pharmacy Scholarship in 2012.

CVS Health Foundation Pharmacy School Scholarship: Roanne Deabler, Kazumi Fujitani and Noelle Lovesy

Established in 2009, the CVS Health Foundation Pharmacy School Scholarship honors students in good academic standing that have demonstrated an interest in pursuing a career in a retail setting.

Elwin & Valerie Goo Endowed Excellence Scholarship: DaHai Lee

Elwin and Valerie Goo are longtime supporters of DKICP. Elwin retired in 2008 as the Chief of Inpatient Pharmacy at Tripler Army Medical Center. Elwin and Valerie established the Elwin & Valerie Goo Endowed Excellence Scholarship in 2011.

Grace Mizuko Miyawaki Pharmacy Scholarship: Katrina Jardine

Grace Mizuko Miyawaki was a hospital pharmacist who retired as the Director of the Inpatient Pharmacy Department at Kuakini Medical Center in Honolulu. Grace established the Grace Mizuko Miyawaki Endowed Scholarship in Pharmacy in 2009 in memory of her parents, Jitsuo and Sawa Doi Miyawaki.

Haga Family Endowed Scholarship: Alysha Cosier and Samantha Texeira

Michi Haga-Miller established the Haga Family Endowed Scholarship in 2009 in memory of her father Tokushichi Haga who was an iisei, or first generation Japanese immigrant who came from Fukushima, Japan to work on a sugar plantation in Hawai'i.

Hawai'i Independent Pharmacies, Inc. Endowed Excellence Scholarship: Kamala Lizama and Kara Tsuzaki

The Hawai'i Independent Pharmacist, Inc. was established in 1987 to unite all independent pharmacies across the state of Hawai'i to engage and participate in group purchasing of merchandise generally sold in drugstores and other related activities. Upon the dissolution of the organization in 2011, the members voted to allocate its remaining assets to the establishment of the Hawai'i Independent Pharmacies, Inc. Endowed Excellence Scholarship at the Daniel K. Inouye College of Pharmacy.

Edwin and Georgiana Kam Endowed Excellence Scholarship: Mary Lui

Edwin and Georgiana Kam were born and raised on O'ahu. Georgiana purchased and managed City Pharmacy from 1980 for nearly 30 years until she sold City Pharmacy to Longs/CVS in 2008. The Kams established this scholarship in 2012 hoping to encourage students with an entrepreneurial spirit and passion to pursue their particular area of interest in innovative pharmacy practice.

Mr. Nagakatsu Kumao Otsuka and Dr. Raymond Masashi Otsuka Memorial Scholarship: Robyn Hart

Dr. Anthony Otsuka who retired from DKICP Department of Pharmaceutical Sciences in 2015, established the Mr. Nagakatsu Kumao Otsuka and Dr. Raymond Masashi Otsuka Memorial Scholarship to honor his father and Grandfather by providing scholarship assistance to students at DKICP.

Albertsons Safeway Pharmacy Scholarship: Jared Toba

Established in 2010, the Albertsons Safeway Pharmacy Scholarship is awarded to a student with high academic achievement and has demonstrated an interest in pursuing a career in community pharmacy.

Ron and Alice Taniguchi Endowed Scholarship in Pharmacy: Cherielyne Baldugo

Dr. Ronald Taniguchi and his wife Alice Taniguchi endowed this scholarship in 2013 to support third and fourth year student pharmacists at DKICP that are high school graduates from the neighbor islands of Kaua'i, Moloka'i and Lana'i. Dr. Taniguchi capped a 40 year pharmacy career as a faculty member at DKICP, retiring in 2011.

Walgreens Diversity and Inclusion Scholarship: Imaikalani Chock

Established in 2012, the Walgreens Diversity and Inclusion Scholarship is awarded to a student who has an interest in community pharmacy and promotes diversity and inclusion initiatives on Campus.

Walgreens Multilingual Scholarship: Jhoana Paula Gonzales

Established in 2012, the Walgreens Multilingual Scholarship is awarded to a student who is fluent speaking in one or more languages in addition to English with an interest in pursuing a career in community pharmacy.

John M. and Mimi F. Pezzuto Excellence Scholarship: Tyler Peterson and Brooke Zariello

Longtime supporters of DKICP, Dr. Hany Guirguis and Adele Etinas, who were co-owners of Mina Pharmacy, established the John M. and Mimi F. Pezzuto Excellence Scholarship in 2015 to recognize DKICP's Founding Dean and his wife for their contributions to the creation of the college.





Health science research at UH Hilo participates in JABSOM event

Two UH Hilo undergraduate students placed in the top four in a competition at the annual Biomedical Sciences and Health Disparities Symposium April 25 and April 26 in the Sullivan Conference Center at the University of Hawai'i Kaka'ako campus on O'ahu, 651 Ilalo Street.

The UH Hilo students are Yaeko Tagami from the College of Natural and Health Sciences working in DKICP's Jarvi lab, and Maria Steadmon from the Marine Science program working in the Weigner lab. They have been invited to attend and participate in the NIH IDeA Western Regional Conference in Las Vegas, Nevada, on October 6 – 9.

Several UH Hilo students, research associates and faculty presented research at the symposium, which highlighted some of the top health science research and ideas from throughout academia in Hawai'i. It was sponsored by the UH John A. Burns School of Medicine (JABSOM), the Multidisciplinary And Translational Research Infrastructure Expansion, the National Institutes of Health Research Centers in Minority Institutions (RCMI), and the federally funded IDeA Networks of Biomedical Research Excellence (INBRE IV) programs.



KTA holds Senior Wellness Fair featuring DKICP student pharmacists

DKICP student pharmacists teamed with KTA Super Stores to present a Senior Wellness Fair at KTA Puainako Street in Hilo on March 29. The fair offered free hepatitis C screenings, along with medication counseling; blood pressure, bone density and glucose screenings; feet examinations; and an immunization clinic.



Spreading the DKICP word at campus event

Josephine McDonald (Class of 2021, left) and Mary Lui (Class of 2020) represented DKICP at the 24th Annual UH Hilo Ho'olaule'a January 19. Along with Christian Macaspac (Class of 2021) and Vincent Manalo (Class of 2020), the student pharmacists were able to reach out to pre-pharmacy students and others interested in going back to school to pursue pharmacy as well as community members interested in the progress of the new building. The event, co-sponsored by UH Hilo's Student Activities Council and Campus Student Organizations, included games, other community organization booths, and delicious food.



Medication safety a priority at Honolulu health fair

Fourth-year student pharmacists Veronica Morales-Colon (left) and Preston Ho manned a booth at the Papakolea Ohana Health Fair at Lincoln Elementary School in Honolulu March 2. Supervised by Wesley Sumida, associate professor in the Department of Pharmacy Practice, helped the students dispense education on medication safety and disposal. DKICP was one of 40 health and wellness providers at the event.

Community welcomes new pharmacy at Bay Clinic

Bay Clinic opened its first in-house pharmacy on April 3. The pharmacy, which is specifically for Bay Clinic patients, opened in the Keaau Family Health and Dental Center, located at 16-192 Pili Mua St. in Keaau. Attending the opening included (from left): Kenneth Ooka, Bryce Fukunaga and Michael Hoskins from DKICP, Todd Soga and Rayna Yadao.



DKICP 'relays' for the world to one day be cancer free

Compiled from reports by Bernadette Tabula and Cody Porter (Class of 2022)

DKICP participated in the annual overnight Relay for Life event held on UH Hilo campus on March 8-9. The theme for this year's Relay for Life was "Carnival for a Cure," which provided DKICP's Class of 2022 the opportunity to sell delicious carnival-themed food.

The purpose of Relay for Life is to unite the community while raising money and awareness to end cancer through the American Cancer Society. More than 20 student pharmacists volunteered their time from 6 p.m. to 6 a.m. to fight against cancer. DKICP joined students from UH Hilo as well as people from the community to show support by raising funds and awareness for those who are personally affected by cancer.

DKICP faculty members Dr. Aaron Jacobs and Dr. Abhijit Date



participated in the "Pie Your Professor" fundraiser. Earl Emboltura (Class of 2022) performed as "Hollaback Earl" and won second place in the Relay Royalty Pageant.

Members from the Class of 2022, including Ashley Fukuchi, Christopher Kaneko, Cleighton Lagmay, Danh Nguyen, Faye Diez, Jordan Anderson, Matthew Clemente, Rebecca Wu and Nikko Magtoto raised more than \$1600 by signing up for overnight shifts at the station and presenting fun-filled activities and entertainments.

Cancer touches millions of people each year. We all know someone who has battle this disease or cared for someone who is or has fought it. DKICP Team Captains Bernadette Tabula, Micheal Angelo Sagun, and Viky Huang, would like to express their gratitude and appreciation to everyone who came to support this year's Relay for Life. (Photos by Bernadette Tabula, Class of 2022 Student Council and Keisha Salvilla)



UH Hilo recognizes years of service

UH Hilo closed the 2018-2019 academic year with a celebration to honor and recognize retirees, years of service award recipients, and recipients of various campus awards on May 3 in the Rose and Raymond Tseng Terrace.

DKICP Associate Professor Julie Adrian, D.V.M., was given the Faculty Mentoring Award.

Shown from DKICP with Interim Chancellor Marcia Sakai (right) and other UH Hilo employees who were awarded for being a UH Hilo employee for ten years were, Nadine Hara (second from left front row) and Deborah Taira.

Other DKICP members who were awarded ten-year certificates were: Daniela Guendisch, Karen Pellegrin, and Supakit Wongwiwatthananukit.



Faculty Seminar Series



Dr. Leng Chee Chang (second from left), associate professor with the Department of Pharmaceutical Sciences presented a seminar called “Biological Activity of Hawaiian Medicinal Plant - ‘Uhaloa” on campus May 17. Collaborator on the research was Dr. Supakit Wongwiwatthananukit (on the right), professor in the Department of Pharmacy Practice. Other attendees of the seminar included Native Hawaiian Healer Kumu Dane Kaohelani Silva from the Earth Medicine Institute (left) and Qiqin Lu, a visiting research scholar in Dr. Chang’s laboratory who is on the faculty in the Department of Chemistry of Qinghai University, China.



Dr. Rana Rais, director with the Johns Hopkins Drug Discovery Program at Johns Hopkins University School of Medicine in Baltimore, Maryland, presented a seminar entitled “Discovery of Novel Glutamine Antagonist Prodrugs: A Pharmacokinetic Perspective” on April 18 on DKICP campus. Posing with Dr. Rais is DKICP Assistant Professor Dr. Abhijit Date.

Congratulations DKICP faculty promotions

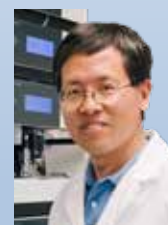


Dianqing Sun

The University of Hawai‘i Board of Regents announced faculty promotions on June 17. The following Daniel K. Inouye College of Pharmacy promotions will be effective with the 2019-20 academic year:

Dianqing Sun has been awarded full professor. Dr. Sun is the chair of the Department of Pharmaceutical Sciences.

Shugeng Cao was awarded tenure. Dr. Cao is an associate professor in the Department of Pharmaceutical Sciences.



Shugeng Cao

Faculty Briefs



Julie Adrian, DVM, associate professor, Department of Pharmacy Practice, was an author

in an article entitled "There for you: the impact of attending pet euthanasia and whether the impact relates to complicated grief and post-traumatic stress disorder" published by *Anthrozoös*. The co-author was A. Stitt.



Shugeng Cao, associate professor, Department of Pharmaceutical Sciences, was the lead author in the

following articles: 1) "Salviachinensines A-F, New Anti-leukemic Phenolic Acids from Chinese Herbal Medicine *Salvia chinensis* Benth" in *The Journal of Natural Products*. Co-authors were Qi, Wang, Zhenquan, Hu, Xixiang, Li, Aoli Wang, Hong, Wu, Jing, Liu and Qingsong, Liu.; 2) "Three New Cytotoxic Monoterpenoid Bisindole Alkaloids from *Tabernaemontana bufalina*" in *Planta Med.* Co-authors were Zhou, SY, Zhou, TL, Qiu, G, Huan, X, Miao, ZH, Yang, SP, Fan, F, and Cai, YS.; and 3) "An Unusual Benzoisoquinoline-9-one Derivative and Other Related Compounds with Antiproliferative Activity from Hawaiian Endophytic Fungus *Peyronellaea* sp. FT431" in *Molecules*. Co-authors were Li, C, Sarotti, AM, Wu, X, Yang, B, Turkson, J, Chen, Y. and Liu, Q.

Leng Chee

Chang, associate professor in the Department of Pharmaceutical Sciences,



and **Supakit Wongwiwatthanakit,** professor in the Department of

Pharmacy Practice, were co-authors on two poster presentations for the IDeA Network for Biomedical Research Excellence (INBRE), Annual Biomedical Sciences and Health Disparities Symposium, John A. Burns School of Medicine, University of Hawai'i and University of Hawai'i Cancer Center, Sullivan Conference Center, Honolulu, HI, April 25-26. The research was entitled: 1) "Antimicrobial activity and phytochemical analysis of *Moringa oleifera*," and 2) "Antimicrobial properties of medicinal plants collected from Thailand and Hawai'i."



Abhijit Date,

assistant professor, Department of Pharmaceutical Sciences, is an author on

the following publications: 1) "Development and evaluation of taste masked dry syrup formulation of potassium chloride" in *AAPS Open* 2019. Co-authors are Kulkarni M., Vishwakarma B., Sen S., and Anupuram S.; 2) "Development of a mucoinvert progesterone nanosuspension for safer and more effective prevention of preterm birth" in *Journal of Controlled Release*. Co-authors are Hoang T., Zierden H., Ortiz J, Gumber S, Anders N, He P, Segars J, Hanes J, Mahendroo M. and Ensign LM. 3) "Mucus-penetrating budesonide nanosuspension enema for local treatment of inflammatory bowel disease" in *Biomaterials*. Co-authors were Halpert G., Babu T., Ortiz J., Kanvinde P., Dimitrion P., Narayan J., Zierden H., Betagiri K., Musmanno O., Wiegand H., Huang X., Gumber S., Hanes J., and Ensign L.M. Dr. Date also was selected as a Leading Emerging and Diverse Scientists to Success (LEADS) Scholar in Translational

Research at the Institute for Clinical Research Education at the University of Pittsburgh. His one-year fellowship begins in September, and is composed of online modules, career coaching and planning, and travel awards.



Susan Jarvi,

professor in the Department of Pharmaceutical Sciences, published a paper

entitled "Water transmission potential of *Angiostrongylus cantonensis*: Larval viability and effectiveness of rainwater catchment sediment filters" in the journal *PLoS ONE*. Coauthors are Kathleen Howe, Lisa Kaluna, Alicia Lozano, Bruce Torres Fischer, Yaeko Tagami and Robert McHugh. She addressed the Hawai'i Island state legislators with a research update at the Capitol March 25, and was invited to provide informational seminars at the Kohola Public Library April 22, and at the Kona Public Library April 23. She also attended the American Association of Immunologists (AAI) in San Diego May 9-13.



Tamara P.

Kondratyuk, associate specialist and laboratory manager, was an author on the

following articles: 1) "Phytochemical profile of genotypes of *Euterpe edulis* Martius - Juçara palm fruits" in *Food Res Int*. Co-authors were Barroso, M.E.S., Oliveira, B.G., Pimentel, E.F., Pereira, P.M., Ruas, F.G., Andrade, T.U., Lenz, D., Scherer, R., Fronza, M., Ventura, J.A., Vaz, B.G., Romão, W., Endringer. 2) "Wound healing activity of terpinolene and α -phellandrene by attenuating inflammation and oxidative stress in vitro" in *J Tissue Viability*. Co-authors were de Christo Scherer,

M.M., Marques, F.M., Figueira, M.M., Peisino, M.C.O., Schmitt, E.F.P., Endringer DC, Scherer R, Fronza M. and 3) "New ternary platinum(II) dithiocarbamates: Synthesis, characterization, anticancer, DNA binding and DNA denaturing studies" in *Inorg. Chem. Commun.* Co-authors are Imrana, M., Zia-ur-Rehmana, Bélanger-Gariepy.



Camlyn Masuda,

assistant professor in the Department of Pharmacy Practice, was selected

to participate in the Board of Pharmacy Specialties Role Delineation Study committee in March to review and revise the content outline (domains, tasks, and knowledge) and the categories of disorders so they reflect current practice in the specialty of ambulatory care pharmacy for those applying for Board Certification in Ambulatory Care pharmacy (BCACP). Dr. Masuda also was the lead author in the Hawai'i Journal of Medicine & Public Health May 2019 The Daniel K. Inouye College of Pharmacy Scripts feature entitled "Improving the Accuracy of Patient Medication Lists: Performing Medication Reconciliation by Phone Prior to Appointments." Co authors were Monica Cheung Katz, M.D. and Lovedhi Aggarwal, M.D. and the editor was DKICP Assistant Professor **Jarred Prudencio.**



Karen Pellegrin,

Director of Continuing Education, Strategic Planning, and the Center for Rural

Health Science, is serving as the invited Healthcare Management

Series Editor for SAGE Business Cases, a peer-reviewed library of applied learning resources for faculty teaching business courses; SAGE Publishing, 2019. Dr. Pellegrin also was an author in the following articles: 1) "Community-Acquired and Hospital-Acquired Medication Harm Among Older Inpatients and Impact of a Statewide Medication Management Intervention" in *BMJ Quality & Safety*. Co-authors are Lozano A, Miyamura J, Lynn J, Krenk L, Jolson-Oakes S, Ciarleglio A, McInnis T, Bairos A, Gomez L, Benitez-McCrery M and Hanlon A. See also the editorial written about this article / Pharm-2Pharm in the same journal issue at <https://qualitysafety.bmj.com/content/qhc/28/2/91.full.pdf>. 2) "Findings from a National Survey of Medicare Beneficiary Perspectives of the Medicare Part D Medication Therapy Management (MTM) Standardized Format" in *Journal of Managed Care & Specialty Pharmacy*. Co-authors are Brandt NJ, Cooke CE, Sharma K, Chou J, Carden MJ and Kumbera P.



Jarred Prudencio, assistant professor, Department of Pharmacy Practice, conducted

the following activities: 1) spoke on "Diabetes Management Beyond Metformin & Glargine"

at the Academy of Family Physicians Annual Conference in Honolulu Feb. 8-10; 2) presented a poster at the American Pharmacists Association (APhA) Annual Conference March 22-25 in Seattle entitled "Pharmacy Students' Perspectives of Social Media usage in Education;" and 3) published an article in the *ACCP Ambulatory Care Survival Guide* entitled "Refill Request Review as a Learning Tool for APPE Pharmacy Students."



Dianqing Sun, associate professor and chair, Department of Pharmaceutical Sciences, co-

authored the following papers: 1) "Mechanism and resistance for antimycobacterial activity of a fluoroquinolone compound" in *PLoS One*, with co-authors Garcia PK, Annamalai T, Wang W, Bell R, Le D, Pancorbo PM, Sikandar S, Seddek A, Yu X, Uhlemann A-C, Tiwari PB, Leng F, and Tse-Dinh Y-C; 2) "Pharmacophore Modeling, Synthesis, and Antibacterial Evaluation of Chalcones and Derivatives" in *ACS Omega*, with co-authors Zhang M, Prior AM, Maddox MM, Shen WJ, Hevener KE, Bruhn DF, Lee RB, Singh AP, Reinicke J, Simmons CJ, Hurdle JG, and Lee RE; and 3) "Total synthesis of diazaquinomycins H and J using double Knorr cyclization in the presence of trisopropylsilane" in *RSC Advances*, with co-author

Prior AM. Dr. Sun has also been granted a U.S. Patent 10,266,550 "Bacterial topoisomerase I inhibitors with antibacterial activity" with Dr. Yuk-Ching Tse-Dinh at Florida International University.



Deborah Taira, professor, Department of Pharmacy Practice, was co-author on a

manuscript entitled, "Insights in Public Health: Hana Pu No Ke Ola O Hana (Working Together for the Health of Hana): Our 14-year CBPR Journey" published in the *Hawaii Journal of Medicine and Public Health* and co-author on "Sharing the Patient Experience: A "Talk Story" Intervention for Heart Failure Management in Native Hawaiians" that was accepted for publication in the *Journal of Patient Experience*.



Supakit Wongwiwatthananut, professor in the Department of Pharmacy Practice, and

Leng Chee Chang, associate professor in the Department of Pharmaceutical Sciences, were



co-authors on two publications entitled: 1) "Comparison of the pharmacokinetic profiles of a standardized extract of *Centella asiatica* and a

mixture of madecassoside and asiaticoside" published in *Planta Med Int Open*, with coauthors Khemawoot, P., Hengjumrut, P., Anukunwithaya, T., and Tantisira, MH; and 2) "Sesquiterpene lactones from *Vernonia cinerea*" published in *Chem Nat Compd*, with co-authors Youn, UJ. and Songsak, T.

New Funding



Abhijit Date, assistant professor, Department of Pharmaceutical Sciences, was awarded \$49,744

in funding from the Hawai'i Community Foundation-Medical Research Program Grant. The purpose of the funding is for research involving "Repurposing of 'Antidiabetic Biguanides' for Cancer Treatment." The Medical Research Program is a grant through the Hawai'i Community Foundation that supports clinical and basic research in a variety of areas determined by the source of funding.

Dianqing Sun

associate professor and chair, Department of Pharmaceutical Sciences, received the 2019 INBRE New Initiative Grant as well as a grant from the Leahi Fund from the Hawai'i Community Foundation to further support his anti-TB drug discovery research program.



Visiting Thailand

Dr. Leng Chee Chang, associate professor in the Department of Pharmaceutical Sciences, was an invited speaker at the 6th International Conference on Advanced Pharmaceutical Research (ICAPH 2019) in Thailand March 28-29. The international conference was held at Rangsit University in Bangkok. Dr. Chang presented a Plenary Lecture entitled "Evaluation of antimicrobial activity of Uhalao against bacteria infections" based on research in her lab with co-authors Drs. Supakit Wongwiwatthananut, Songsak Thanapat and Kumu Dane Kaohelani Silva.



College of Pharmacy to boost fight against opioids in Hawai'i

In an ongoing effort to help the community confront opioid addiction, the Daniel K. Inouye College of Pharmacy (DKICP) will receive funding for the next year to hold educational events as well as offer simple alternatives to dispose of unused medications.

Unused medications in households and at patient care facilities expose residents to potential harm due to mistaken ingestion and increase the potential for theft and assault.

On an annual basis nationally, more than 71,000 children under the age of 19 are admitted to emergency rooms for unintentional overdoses of prescription and over the counter drugs. The problem can add to drug abuse in young adults aged 18-25 (5.9 percent) while 3 percent of teens (12-17 years) have the second highest rate. So called "pharm parties," social gatherings where prescription drugs are consumed with alcohol have gained popularity in recent years in both age groups.

"Since 2012, DKICP has been involved in annual events that promote medication return," Dean Carolyn Ma said. "At our 2018 fall health fair in Hilo, we collected 34 pounds of medication with the Hawai'i State Narcotics Enforcement Division (NED) in their take-back program, and this initiative will give us more opportunities to offer that option to Hawai'i residents."

Dean Ma emphasized that many people don't realize that unused drugs in their medicine cabinet, especially those with addictive qualities, can lead

to accidental overdoses or intentional misuse by anyone with access.

"How to dispose of unused medications in a responsible manner to our aina in a safe way has become a common question. This funding will help



At the 2018 fall health fair in Hilo, DKICP collected 34 pounds of medication. (Photo by Tracey Niimi)

us expand our ability to educate our community and highlight our expertise," she added.

The "Opioid & Medication Education & Disposal" project has been designed to fit local communities on Hawai'i Island, Kauai, Maui and Oahu. Goals are to educate the public on why it's important to safely dispose unused medications and show options on how to do that, said Ma, who is the principal investigator on the grant, which was awarded through a competitive grant process.

In addition to attendance at health fairs throughout the four counties, DKICP student pharmacists will visit senior centers, including City & County senior day care centers, to distribute educational materials and teach the seniors to use their Dispose Rx destruction packets. NED agents will also hold take back events.

In partnership with Hawai'i Pacific Health, DKICP will provide "Dispose Rx" destruction packets with all opioid prescriptions dispensed from their four hospitals emergency departments, inpatient hospital discharge and physicians' of-

and data for future legislation on the effectiveness of various activities such as drug take-back events and medication destruction packet distribution that are specific to Hawai'i's unique geographical, rural, fiscal and personnel challenges.

Student organizations involved with the program include American Pharmacists Association, Academy of Student Pharmacists (ASPHA-ASP), Academy of Managed Care Pharmacy (AMCP), Hawaii Student Society of Health-System Pharmacists (HSSHP) and National Community Pharmacist Association (NCPA).

Patients can then use the destruction packets at home or in the clinic for unused medications.

HPH plans to conduct a survey so that DKICP can summarize a report on patients' use of the destruction packets, types of medications, and their feedback on ease of use.

HPH facilities include: Straub Hospital and clinic, Kapiolani Women and Children's Hospital, Wilcox Memorial Hospital and Pali Momi Medical Center.

"These medication destruction packets are especially important for our rural families or senior citizens who might be unable to attend take-back events or locate drug return boxes," said Project Coordinator Wesley Sumida, DKICP associate professor based on O'ahu.

Sumida said the College hopes to provide information

The program is funded through a \$25,000 grant by the AmerisourceBergen Foundation, the not-for-profit charitable giving arm of AmerisourceBergen, and through the Foundation's Opioid Resource Grant Program, which enables the Foundation to support and advance ideas from innovative nonprofits, at the local and national level, to fight against opioid misuse. The AmerisourceBergen Foundation also provided an in-kind donation of 20,000 destruction packets which is part of the Foundation's Safe Disposal Support Program and aims to promote the safe disposal of opioids by providing communities nationwide with resources to deactivate expired or unused prescription medications.

Student Organizations

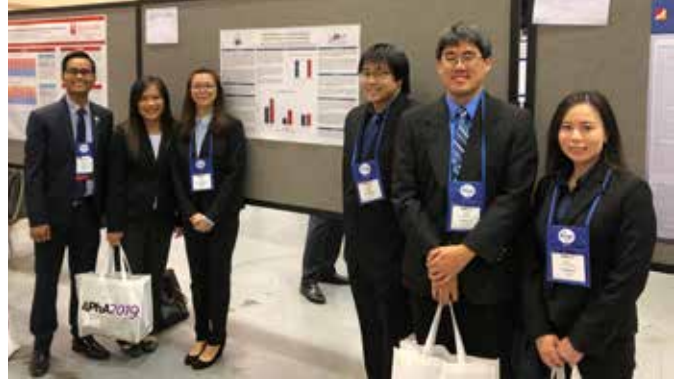
A.L.O.H.A.

Patient follow-up care a priority for good health

By Mary Lui (Class of 2020)

The A.L.O.H.A. Project successfully championed patient care in hosting monthly Follow-Up Events on campus throughout the school year. This student-led organization conducts various screening events throughout the island with the goal of improving awareness and management of chronic diseases. Student-pharmacists continue to offer checks on blood pressure, blood glucose, body mass indices, and comprehensive counseling involving ASCVD risk, COPD and asthma control, as well as patient-specific lifestyle modifications. At each of these events, screened patients with values outside recommended ranges are offered an opportunity for follow-up care.

Each month, members of The A.L.O.H.A. Project reach out to contact these patients, reminding them of this event. Follow-up screening events are hosted on the first Saturday of each month on the school campus to assess the progress of patients, shown by improvement in point-of-care values, or successful implementation of dietary or exercise goals. At these events, a representative from the Hawai'i Island HIV/AIDS Foundation also provides Hepatitis C Virus (HCV) Rapid Tests for the follow-up patients, as well as counseling in regards to diagnosis and treatment. Each patient has a folder containing previous clinical data and goals that were set up at previous screenings. Student screeners are given the unique opportunity to trend data for the patient, and further tailor their counseling points based on more than single values. Patients were also offered complete medication reviews, a service provided by student-pharmacists with the help of the chapter advisor. A hand-out is prepared for these patients by the student screeners which organizes their medications and answers drug information questions regarding safety and efficacy.



Throughout the course of this year, many patients have expressed their heartfelt thanks in the continuation of this program, often bringing snacks and thank you cards to their follow-up appointments! The impact of these follow-up events on patient knowledge was recently evaluated in a research project that was presented at the national American Pharmacists Association Annual Meeting in Seattle earlier this year.

In the coordination of follow-up events, the primary challenge was participation of both first-year student pharmacists and of community members. Patients who are screened at community events are generally not amenable to follow-up care based on various factors, including transportation limitations or prior obligations. To encourage participation, the follow-up events were shared with all patients who were screened, regardless of point-of-care results. Additionally, event calendars and fliers were prepared and distributed at all screening events. This has improved attendance and participation of community members over the year, and allowed them to easily share the scheduled events with their friends and family. A mentorship program was also put into place for first-year student pharmacists who attend the follow-up events. This educational opportunity provided these students with valuable practice time regarding physical screening and counseling skills. Students are able to shadow screeners and their patients so that they are better prepared for their IPPE Sign-Offs. In the future, The A.L.O.H.A. Project plans to further structure learning outcomes that may be fulfilled through attendance of these events.

Overall, the A.L.O.H.A. Project observes another successful year of follow-up patient care. The progressiveness of this project was recognized at the APhA Annual Conference as DKICP received the Chapter Innovative Programming Award in recognition of this continued outreach service. The A.L.O.H.A. Project continues to welcome participation and will embark on further quality improvement measures in the following year.

ALOHA WITH TREATS Caption: First- and second-year pharmacy students (From the Class of 2022 Wangui Mwaniki, Yan Yee Ho, Mercedes Dennis Graves, and from the Class of 2021 Melody Keshavarz, Earl Naeole, and Duy Nguyen) received an Early Valentine's Day token of thanks from a patient at the February Follow-Up Event.

ALOHA GROUP Caption: Third-year pharmacy screeners (Wilson Datario, Jhoana Paula Gonzales, Gregg Tam, David Cao, Mia Tran) at the American Pharmacists Association (APhA) Annual Meeting held in Seattle, Washington.

Student Organizations

Blue Zones

Healthier living continues to be a priority

By Johnson Tran (Class of 2020)

The DKICP Blue Zones Project Advisory Committee mission is to promote better, healthier living for both the community and the student body. Throughout the year, we have made monthly announcements regarding the Power 9: Move Naturally, Purpose, Downshift, 80 Percent Rule, Plant Slant, Wine at 5, Right Tribe, Loved Ones First and Belong. With these nine powers, we encouraged and challenged the pharmacy student body to incorporate these traits into their daily lives.

Along with the monthly announcements we also incorporated various events such as mindful meditations, relaxation stations and Blue Zone Health Power Hours to further educate our community about the importance of the Power 9.

We hope with education and monthly announcements we can continue to make an impact to better our student body and the community.



From left: Bruce Meno, Jenna James, Tiana Espaldon Ramos, Tiana Lopez Ramos, Yushuan Huang, Johnson Tran.

GenX

Community learns how to prevent abuse of prescription meds

By Brittany Luna (Class of 2021)

GenerationRx reached more than 18 percent more people than they expected to with events intended to prevent the misuse and abuse of prescription medications this year.

The group, an initiative that is managed through National Community Pharmacists Association (NCPA) & the American Pharmacists Association (APhA), was able to reach out to 474 patients when their goal was to talk to 400 people.

Generation Rx hopes to increase these numbers next year and continue to expand outside of the Hilo community such as Guam and Oahu.

The prevention of misuse and abuse of prescription medica-



Student pharmacists just received bags of drugs that were expired from a local nursing home. (Photo by Brittany Luna)



NCPA and APhA came together to volunteer for National Prescription Drug Take Back Day. (Photo by Noelle Lovesy)

tions is important because nearly 54 percent of those who misuse prescription pain relievers get them from their family or friends according to the 2015 National Survey on Drug Use and Health.

Members from Generation Rx provided presentations at schools as well as at community events. On April 27, members partnered with the DEA in the National Prescription Drug Take Back Day. NCPA President, Noelle Lovesy, said, "This event addresses a crucial public safety and public health issue, providing an opportunity to prevent drug addiction and overdose deaths." Student pharmacists helped more than 70 community members and collected 21 boxes of prescription and OTC medications. In total, 256 pounds of medications were collected at the Hilo location.

HPhA

Annual meeting includes student pharmacists in networking, learning

By Alan Trinh and Karen Pae (Both from the Class of 2021)

The Hawai'i Pharmacists Association (HPhA) annual general meeting featured speakers from different hot topics in pharmacy and presented student posters at the Hilton Hawaiian Village April 27-28. This two-day meeting gave pharmacists, pharmacy technicians, students pharmacists, and other health care professionals opportunities to network and learn more about the changes in the field of pharmacy in the state of Hawai'i.

Pharmacists were able to earn continuing education (CE) credits by attending seminars at the annual meeting, which included: Vaping 101 by Dr Forest Batz, retired DKICP faculty member; Schizophrenia Goals and Treatments by guest lecturer Lehua Kay, pharmacist at the State of Hawaii hospital; Generation Interactions in the Workplace; and the Our Care, Our Choice Act presentation and panel. The Our Care, Our Choice Act was a well attended presentation and provided opportunity for the attendees to ask questions of the panel that included Dr. David Grube from the National Medical Director for Compassion & Choices in Portland, Oregon, Dr. Angela Forcucci, Advance Care Pharmacy Pharmacist and Director of Infusion in Escondido, California, and Mr. Lorrin Kim, Chief, Office of Planning, Policy, and Program Development & Legislative Coordinator, Hawai'i Department of Health in Honolulu, Hawai'i.

Student pharmacists from the Daniel K. Inouye College of Pharmacy presented posters on various topics from outreach events, such as educating the public on tobacco use, assessing obesity prevalence in Pacific Islanders on Hawai'i Island and analyzing antibiotic use on elderly for antibiotic stewardship in long term care facilities in Hawai'i.



Posters included:

- "Antibiotic use in the elderly in Hawaii from 2013-2016 and its implications for antimicrobial stewardship in long-term care facilities." Brent Ocker (Class of 2020) and Dr. Deborah Taira, professor, Department of Pharmacy Practice
- "Cost-effectiveness of Liraglutide: A Qualitative Analysis of Healthcare Professional Perspectives." Amelia Furlan, Brent Ocker and Robyn Rector (All Class of 2020)
- "Effectiveness of Student Pharmacist-Led Tobacco Use Prevention Program on 5th Grade Students on Hawai'i Island: A Preliminary Report." Wilson Datario, Jhoana Gonzales, Jennifer Lee (all from



the Class of 2020) and Nichole Chaffin (Class of 2021) and Dr. Jarred Prudencio, assistant professor, Department of Pharmacy Practice.

"Proton pump inhibitor utilization among elderly Medicare beneficiaries in Hawai'i versus the United States: A four-year comparison." Joshua Dillon, Samantha Texeira (Both Class of 2020) and Dr. Deborah Taira and Dr. Bryce Fukunaga, assistant professor, Department of Pharmacy Practice.

"Assessing the prevalence of obesity on the Big Island in Pacific Islanders on the Big Island in Hawaii: a pilot study." Kimberly Lin, Henry Quach, Tiana Ramos and Destinee Ogas (All Class of 2021), and Dr. Louis Lteif, assistant professor, Department of Pharmacy Practice

"Incidence of post-operative nausea vomiting and opportunities to maximize current therapeutic options." Veronica Wong, Nancy Wong, Rene Chavez (All Class of 2019) and Dr. Laura Ota, pharmacy manager, Straub Clinic and Hospital

"Evaluating the Impact of a Pharmacy Driven Perioperative Surgical Home Opioid Stewardship Initiatives in Patients Undergoing Elective Joint Replacement Surgery." Drs. Shanele Shimabuku, Kelsea Mizusawa, Kellie Octavio, Laura Ota and Joy Matsuyama

Student pharmacists attended a round table discussion on April 27 with young pharmacists, Drs. Jasmine Kimura (DKICP resident 2015) and Cassie Kim (Class of 2013) to ask questions about residencies and get helpful tips about how to prepare for the transition from student to pharmacist.

The HPhA annual general meeting brought health care professionals together to enhance their knowledge to improve patient care. Student pharmacists, regardless of year standing, should attend their local state pharmacists association to understand the community they are serving and see who their future colleagues are in the profession. The annual meeting allows students to interact with pharmacists in their state to learn more about their profession and how they can play an active role in the state after pharmacy school. Overall, the HPhA annual general meeting was worthwhile to attend, especially with the numerous opportunities for students to network and present project findings to colleagues and peers.

Student Organizations

Kappa Psi

Pharmacy school offers chance to develop green thumbs

DKICP's chapter of Kappa Psi Pharmaceutical Fraternity helped Kamehameha Schools restore their beautiful garden on the school campus on April 15 in Keaau. The members worked together in the greenhouse and outside in the garden by watering many native plants and transferring them to larger pots. (Information and photos provided by Norlyn Ranchez, Class of 2021)



NCPA

Legislators welcome first-year student pharmacists

By Keisha Salvilla (Class of 2022)

Members of the National Community Pharmacist Association (NCPA) Hawai'i Student Chapter attended the Hawai'i State Capitol in an annual visit to O'ahu April 5. The State Capitol visit was an exciting opportunity for our student pharmacists to tour the capitol and have a chance to meet with some of Hawai'i's legislators.

Every year around this time, legislators are in session to try to pass their bills. Therefore, it was the perfect time to understand how the legislative process works and to discuss current legislations with regard to how these bills will affect us as future pharmacists. As DKICP's NCPA legislative chair, it was truly a pleasure to help plan this year's state capitol visit. As first-year student pharmacists, we learn that we are advocates of our own profession. NCPA members who attended this event were Alysha Cosier, Micheal Angelo Sagun, Keisha Salvilla, Mindy Kim, Nikko Magtoto, Ashley Fukuchi, Rebecca Wu, and Kara Tzusaki, accompanied by Dean Carolyn Ma and Mr. Gerald De Mello.

The majority of those who attended were originally born and raised in Hawai'i, but this was their first visit to the Hawai'i State Capitol. We started off the tour led by Roth Pauhala who is the chief staff of Rep. Daniel Holt, who represents District 29 in the Hawai'i House of Representatives. We were introduced to the symbolism of the building itself. The design and architect of the building uniquely symbolizes Hawai'i and the Hawaiian culture compared to any other state capitol. Unique features include the water surrounding the building as the waters of the Pacific Ocean surrounding all Hawaiian islands; forty tall columns as palm trees; upper balcony consisting of eight vertical columns in each group as the eight Hawaiian islands; round structure before the building as a volcano or the birth of the islands; and lastly the center and open space designed to reflect the openness of the Hawaiian culture. It is amazing how it is not just a building, but a representation of the aspect of the nature of Hawai'i.

We had the pleasure of meeting with Hawai'i Island Representatives Chris Todd of District 2 and Mark Nakashima of District 1 as well as Senator Kaialii "Kai" Kahele of the first senatorial district. Each legislator introduced their background and how they came to be as a legislator today. It was amazing to see how heartfelt the legislators were about making a difference in their community.

Most importantly the main topic while talking to all the legislators was about House Bill 527, which was to fund a catheterization lab at Hilo Medical Center. The bill has showcased many concerns regarding the disadvantage of residents in East Hawai'i who need to be



transported to O'ahu for further cardiac treatment, which is truly detrimental and time critical. The bill crossed over to the Senate in March but was never heard by the committees to which the bill was referred.

Finally, the students visited Governor David Y. Ige's office. Governor Ige was previously the Ways and Means Chair who was part of appropriating funding for our new, permanent building. Governor Ige was given a Kukui nut lei by Alysha Coiser as a thank you for allowing the student pharmacists visit him in his office and for all that he has done with our school. I presented a picture of the progression of our new building and formally invited him to join us to our dedication on August 17-18.

The best part of the State Capitol tour was sitting in the Mezzanine level on the koa pews and observe the business conducted in the sunken House of Representatives and Senates Chambers. Senator Kahele acknowledged the DKICP student pharmacists in the House of Senate while Representative Nakashima introduced us in the House of Representatives. Both chambers displayed great significance in representing the Hawaiian culture such as the tapestries, the fabrication of the chandeliers, and the conical structural shaping to represent the volcanic origin of the islands.

The students enjoyed their time visiting the State Capitol. According to Micheal Sagun: "I learned so many things starting from its history and culture, and how the state capitol building itself symbolizes and connects to the Hawaiian culture." Ashley Fukuchi



said: "I have lived in Hawai'i for over nine years, but I have never had an opportunity prior to this organization to visit the State Capitol and observe proceedings for the House and the Senate. It was truly an eye-opening experience which I would highly recommend to any pharmacy student at the Daniel K. Inouye College of Pharmacy."

The members of NCPA want to thank Dean Ma and Mr. De Mello for joining us in the tour as well as Senator Kaiali'i Kahele and Representatives Chris Todd and Mark Nakashima for taking the time from their busy schedules to meet and talk to us. Being able to represent our school at the State Capitol was a memorable experience.

PIMSC

Six-month effort goes into planning for summer Hawaiian cultural festival

By Tiana E. Ramos (class of 2021)

Members of the Pacific Islander Mobile Screening Clinic (PIMSC) have been preparing for the last six months for their largest annual event, the Ho'oku'ikahi Establishment Day Hawaiian Cultural Festival at the Pu'ukohola Heiau National Historic Site August 17-18.

Pu'ukohola, for short, is a weekend-long festival and reenactment held in August with more than 300 participants from rural regions throughout the islands, the majority of whom are mostly of native Hawaiian descent. Community leaders found this annual gathering to be an opportunity to address the health and wellbeing of their lahui, or community.

Therefore, native Hawaiian health practitioners, counselors, and students from John A. Burns School of Medicine (JABSOM) and Cham-nade School of Nursing fly in to conduct free health assessments and education. PIMSC organizes DKICP's participation at the event and provides the majority of the screening services and screening supplies at Pu'ukohola.

For cultural education, students are taught protocols that honor Pu'ukohola. For example, one custom is to wear a traditional kihei during cultural ceremonies. The kihei, which is a type of robe worn over one shoulder, must represent one's self as well as one's community. Students who are participating in the cultural ceremonies must wear their own kihei and print their design using ti or mai'a, or banana, leaves, depending on the number of the years they have participated in the event. The color green is chosen to symbolize DKICP and the health field. Students will then learn proper methods to sew, fold, and tie their kihei in anticipation for the event. Education and printing of the kihei was supervised and guided by Dr. Dana-Lynn Ko'omoa-Lange.

PIMSC would like to thank all faculty and community members who have been instrumental in planning for Pu'ukohola thus far, including Drs. Ko'omoa-Lange and Sumida, and community supporter Geri Kaleponi.



Student pharmacists printed their own kihei design

Student Organizations

PIMSC

Attendees at annual professional meeting hear about work with Pacific Islanders

By Henry Quach (Class of 2021)

Members of the Pacific Islander Mobile Screening Clinic attended the Hawai'i Pharmacists Association (HPhA) Annual Meeting during the weekend of April 27-28 on Oahu. HPhA is an organization that represents pharmacy practice in the State of Hawai'i and encompasses pharmacists, pharmacy students, pharmacy technicians and academia. This annual meeting offers two full days of speakers, continuing education, poster presentations and exhibitors.

Preparation for the poster presentation at HPhA Annual began in the Fall where data were analyzed from screening events held from 2015 through 2018. After consultation with our faculty preceptors and Dr. Louis Lteif, we decided to focus our research on the



Tiana Ramos (center) answers questions from attendees about the prevalence of obesity in the Pacific Islander population on the Big Island.



Pictured from left to right: Kimberly Lin (Research Chair), Tiana Ramos (Community Outreach Chair) and Henry Quach (Lead On-Site Chair) next to their poster at HPhA Annual.

prevalence of obesity within the Pacific Islander population on the Big Island. According to the BMI Guidelines set by the World Health Organization, we found that 82.5 percent of participants were either overweight or obese; 54.4 percent had either high or very high lev-

els of visceral fat; 89.5 percent had high or very high levels of body fat and 45.6 percent had low levels of skeletal muscle. It's clear that the prevalence of obesity within this population on Hawai'i Island is high and future research will focus on how student pharmacists can make an impact on these numbers.

During the poster presentation sessions, presenters Kimberly Lin, Tiana Ramos and Henry Quach provided information about the purpose of their organization, discussed the future direction of their research and answered any questions from the attendees. Student presenters spoke with many different pharmacists, and alumni, one of which included alumna Dr. Shanel Shimabuku (Class of 2013), who served as a founding member of the Pacific Islander Mobile Screening Clinic. It was insightful to learn more about PIMSC's origins and the potential for different funding sources through research.

We would like to thank Drs. Lteif and Fukunaga for their aid in the development of this poster. We would also like to express our gratitude for the opportunity to bring greater awareness of this issue at the state level.



PIMSC

Community outreach offers free health screenings, education

By Kimberly Lin (Class of 2021)

The Pacific Islander Mobile Screening Clinic (PIMSC) provided free health screenings and education for the local community at three major events around Hawai'i Island this semester: International Nights, Ohana Day, and the Kau-Keaau-Pahoa Schools Screening (KKP) Event.

1) International Nights was a two-day annual event hosted by the International Student Association at the University of Hawaii at Hilo (UHH). It features many dances and traditional performances from a variety of cultures and countries including but not limited to Samoa, Palau, Fiji, and the Marshall Islands. It has been a long-standing popular tradition at UHH which attracts a great number of students and members of the community each year. PIMSC provided free point-of-care screenings for two hours right outside of the UHH performing arts center before doors opened at 7:30 p.m. on Friday, February 22. Student pharmacists looked at health biomarkers, including hemoglobin A1c (HbA1c), lipid panels, blood glucose, blood pressure and body mass index (BMI). Kelly Gani, a Registered Nurse at the Hilo Family Health Center - Bay Clinic, volunteered to precept the student pharmacists and provided additional consultations for the screening participants. The UH Hilo Student Association (UHSA) fully funded all supplies utilized at this event.



2) Mountain View Elementary School (MVES) hosted its 3rd Annual Ohana Day on Saturday, March 2. Ohana Day is a fun, keiki-friendly event aimed to celebrate and bring together families and spread the aloha spirit. Many vendors and local organizations participated by offering a variety of food, crafts, games, and live dance or musical performances throughout the day. Parents of the students at MVES also donated clothes, books, and miscellaneous items for the yard sale to raise funds for the school. PIMSC, along with the American Pharmacists Association-Academy of Student Pharmacists (APhA-ASP) and the Phi Delta Chi Pharmacy Fraternity (PDC), provided four hours of pharmacy-related activities for both children and adults of the community. PIMSC hosted point-of-care screenings, while directing adults to further health education at the education boards from APhA-ASP and minors to silly putty compounding at the PDC table. Both Kelly Gani and Analeissa Saverino-Lee, a Registered Nurse at the Life Care Center of Hilo, helped precept the members of PIMSC at this event.



3) PIMSC was invited to set up a three-hour health screening event for charter school officials of the Kau-Keaau-Pahoa Schools Screening (KKP) Complex Area in Keaau on April 15. The event was initiated through word-of-mouth in the local community highlighting the service and dedication of PIMSC around Hawai'i Island. The event marks the second year in a row PIMSC was asked to provide these health point-of-care screenings. The school administration indicated they greatly appreciated the event and gifted the students with cookies and a thank you card the following day. PIMSC anticipates further collaboration with the KKP school district with possible expansion to high schools of the area in the upcoming years. Dr. Allen Shih also volunteered his time to precept student pharmacists at this event.



Student Organizations

PLS Leadership



A Glimpse of Leadership at DKICP

Phi Lambda Sigma Spring Leadership Symposium opens its doors to all University of Hawai'i students

By Clifford Agcaoli (Class of 2021) and Jhoana Paula Gonzales (Class of 2020)

The Phi Lambda Sigma Delta Lambda Chapter at DKICP opened its doors to all students from the University of Hawai'i to attend the Fifth Annual Spring Leadership Symposium April 13.

The theme of this event was to define the question of "What is Leadership?" We aimed to show a glimpse of what leadership means and how important it is for our future careers.

Faculty and alumni were invited as guest speakers to share their expertise and their experiences with us on different topics, such as Conflict Management, Effective Communication, Time Management, and many more. There was an abundance of interactive activities that facilitated the learning of the students including training sessions for president and treasurer during the lunch hour.

Our special guest was Nimit Jindal, a fourth-year student pharmacist from Rutgers University and the 2018-2019 American Pharmacist Association (APhA-ASP) Immediate Past President. He presented at the president's training session a talk about "the Golden Circle," and knowing your "why," an idea made famous by motivational speaker, Simon Sinek.

One of the attendees of the president's training session commented, "President's training was inspirational and gave a lot of insight about leadership going forward."

Dr. Karen Pellegrin, DKICP's director of continuing education, strategic planning and the Center for Rural Health Science, spoke about time management and evidence-based leadership. Her lecture defined the different types of leadership in an organization, which was very insightful and relevant to the theme of our symposium. Many of the students liked both topics and requested for her to come back again for next year's symposium.

Chapter Adviser Dr. Wesley Sumida shared characteristics of a leader such as knowing their strength, weaknesses, and self-awareness. He shared some inspiration based on a book called "Flight of the Buffalo" by James A. Belasco and Ralph C Stayer that examines the difference between a herd of buffalo and a flock of geese. The reason the flock of geese flies in a V formation, according to the book, is to allow the leader to rest by having another goose step in as a leader. Dr. Sumida said he has observed that many organizations can benefit from this type of teamwork because everyone has the ability to lead in different situations. He also emphasized that a cohesive team is made up of individuals who are willing to take the mantle when the leader stumbles.

We also welcomed DKICP alumni Drs. Eric Tsuji, Akio Yanagisawa and Ryan Shiroma, who participated in an inspiring roundtable session in the last hour and gave their insights on leadership and how it helped them in their career.

Every year, the Spring Leadership Symposium continues to uphold its purpose and opens doors to the whole university, which allows our organization to share different perspectives in leadership that can benefit all students in the future. This symposium was like no other and we shared a sentiment that rings true to all who came to our event: a leader starts within you.



(From left): Jhoana Paula Gonzales, immediate past PLS president, Dr. Karen Pellegrin and Clifford Agcaoli, current PLS president

Rho Chi

Teamwork and networking part of annual meeting

By Taylor Hori (Class of 2020)

I had the opportunity to travel to Seattle, Washington during March and serve as DKICP's delegate at the 95th Rho Chi Society Annual Meeting, which was held during the American Pharmacists Association (APhA) Annual Convention. I had the privilege of meeting delegates from other chapters across the nation and was able to learn about their school as well as the type of events their chapters host. I was also able to brainstorm ideas for Rho Chi's 100-year celebration with the other delegates. I enjoyed listening to the recipient of the 2019 Rho Chi Society Lecture Award Dr. Mary Ensom, who spoke about how the skills and lessons we learned in kindergarten such as teamwork and communication helped prepare us to lead responsibly in the field of pharmacy. She also acknowledged the important roles her mentors played in her life. During my free time outside of the meeting, I enjoyed sight-seeing and eating yummy food with other DKICP student pharmacists who were also attending the conference.



Rho Chi celebrates with 2019 awards, new members

By Taylor Hori, Class of 2020

The Delta Iota Chapter of the Rho Chi Society held its annual member induction and awards ceremony at Moanahoku Hall in the 'Imiloa Astronomy Center April 29. Attendees enjoyed a buffet dinner and celebrated the outstanding academic accomplishments of many DKICP student pharmacists.

DKICP Preceptor Ms. Kerri Okamura was the keynote speaker. Ms. Okamura is from Hilo and received her bachelor's degree in pharmacy from Purdue University. She is currently the director of pharmacy operations at KTA Super Stores.

Ms. Okamura utilizes her outstanding leadership as well as collaboration skills to advance the profession of pharmacy through pharmacist-provided medication optimization programs, patient education, establishing new partnerships at other healthcare facilities, and expand pharmacy operations. She is dedicated to providing her patients with the best available information and has continuing membership in national pharmacy organizations such as APhA, HPhA, and NCPA. Aside from her achievements in the field of pharmacy, Ms. Okamura is also dedicated to numerous leadership as well as service activities through local Hilo organizations such as the Hilo High Viking Band and Tennis Booster Clubs.

Ms. Okamura's goals and accomplishments align with the mission of the Rho Chi Society. During her address, she shared some of the lessons she learned through her various leadership roles such as valuing relationships, maintaining integrity, and the importance of loyalty. She also reminded us to treat everyone with kindness, surround yourself with great people, and to follow your passions.

Participating in the UH Hilo tradition of lighting candles to be inducted into the prestigious society included: Trang Bui, Brandon Chagami, Lauren Domingo, Jake Hoctor, Joyce Huang, Patsylynn Jetley, John-Michael Kimhan, DaHai Lee, Sandy Li, Shane-Earl Naeole, Rebecca Oshiro, Riley Ostler, Jaymee-Rae Pang, Elaine Phan, Tiana E. Ramos, Johnson Siu, and Donald Waddell of the Class of 2021 as well as faculty member Dr. Daniela Guendisich.

The following executive board officers for the 2019 to 2020 school year were officially installed: Donald Waddell – president; John-Michael Kimhan – vice-president; Trang Bui – treasurer; Elaine Phan – secretary; and Shane Naeole – historian.

Dean Carolyn Ma and Rho Chi Adviser Supakit Wongwiwatthananut recognized academic award recipients for outstanding scholastic achievements in their classes. Students receiving honors were: Zhian Lin for Pharmaceutical Calculations; Ashley Fukuchi for Pharmaceutical Calculations and Biochemistry – biomolecules; Nikko Magtoto for Pharmacy Communications and Culture; Trisha Nobriga for Pharmacy



Rho Chi Society 2019 New Member Induction & Awards Ceremony included a beautiful buffet dinner

Student Organizations

Rho Chi

Communications and Culture; Kara Tsuzaki for Pharmaceutical Immunology, Drug Action 1, Pharmacy Self-Care 1, and Pharmaceutics 1; Patsylynn Jetley for Biochemistry – metabolism; QiXin Li for Pharmacy Self-Care 1, Pharmacy Self Care 2, Biochemistry – metabolism, Pathophysiology, Drug Action 2, Pharmaceutics 2, Biostatistics, Evidence-based Medicine and Literature evaluation, Integrated Therapeutics 1, and Pharmacokinetics; Jake Hoctor for Drug Information; Robyn Rector for Integrated Therapeutics 2, Integrated Therapeutics 3, Wellness and Disease Prevention, Health Care Systems, and Pharmacy Law and Ethics; Brandi Chun for Pharmacy Law and Ethics; Amelia Furlan for Pharmacy Practice Management and Marketing, and Complementary Medicine; and Mary Lui for Pharmacy Practice Management and Marketing.

Joshua Dillon was honored with a certificate of appreciation for having the highest tutoring hours. Taylor Hori received a certificate of leadership in honor of the outstanding contributions made to the goals of the chapter.

The mission of the Rho Chi Society is to encourage and recognize excellence in intellectual achievement and foster fellowship among its members. The Rho Chi Society also encourages high standards of conduct and character as well as advocates critical inquiry in all aspects of pharmacy.

The Rho Chi Society is nationally recognized as the only academic honor society in pharmacy. Thus, membership in the organization is a privilege accorded to the few who distinguish themselves by their academic as well as professional achievements and their desire to advance pharmacy through intellectual leadership. Each year, the Delta Iota chapter invites the top 20 percent of students at DKICP who have completed three semesters total or half of their didactic coursework to join the society.

DKICP faculty members who attended to help celebrate the students' academic accomplishments included Julie Adrian, Leng Chee Chang, Abhijit Date, Lara Gomez, Michelle Kim, Tamara Kondratyuk, Karen Pellegrin, Jarred Prudencio, Dianqing Sun, and Patricia Juszczak.

The Delta Iota Chapter would especially like to thank Kamala Lizama, Tracy Lopez, and Stacey Nguyen who served as the Initiation Banquet Planning Chairs. Without them, this event would not be possible as they worked really hard to ensure the night was a success.

Overall, it was really exciting for the guests of honor, DKICP faculty, friends, and family members to come together to recognize and celebrate the academic achievements of DKICP students. Our chapter was thankful for everyone who took the time out of their busy schedules to attend.



DKICP faculty members and guests of honor (clockwise from left): Drs. Lara Gomez, Aaron Jacobs, Supakit Wongwiwatthananutit, Julie Adrian, Dean Carolyn Ma, Ms. Kerri Okamura, Drs. Michelle Kim, Dr. Jarred Prudencio



Class of 2021 initiates and guests of honor: First Row (from left): Dr. Supakit Wongwiwatthananutit, Joyce Huang, Tiana E. Ramos, Trang Bui, John-Michael Kimhan, Elaine Phan, Sandy Li, Dean Carolyn Ma, Ms. Kerri Okamura, Patsylynn Jetley Second Row (from left): Faculty Initiate Dr. Daniela Guendisch, Jaymee-Rae Pang, Lauren Domingo, DaHai Lee, Rebecca Oshiro, Donald Waddell, Johnson Siu, Brandon Chagami, Shane-Earl Naeole, Jake Hoctor, Riley Ostler, Dr. Aaron Jacobs

Administrative rotation at Walmart Wellness Division proves eye opening

By Sean Janeway (Class of 2019)

With over 500 billion in revenue last year and employing more Americans than any other entity except the US Government, Walmart clearly knows how to develop functional systems. In February of this year I had the rare opportunity of a sneak peak inside those systems.

In the Wellness Division I was assigned to in Bentonville, Arkansas, I participated in the analysis of regulatory standards across the US. Laws were searched to determine which states allowed certain activities and I compiled that information into a document for review by the legal department. Throughout this process I had the pleasure of working with my preceptor, Debbie Mack, a senior director of Wellness Compliance manages compliance for the entire US in conjunction with two of her coworkers. I also worked alongside her direct report that helps her manage her 1/3 of the US—another knowledgeable professional who I learned a lot from.

Those in my department provided a wealth of perspective and understanding, but the best thing about the rotation is the breadth of access they made available. While I worked on specific projects, the main goal was to learn about the business of wellness at Walmart and to network. In my six weeks there I met more than 30 high-ranking executives for 30-60 minutes each with a goal of better understanding each role in Walmart. Most of these meetings pertained to the wellness department but several did not. Regardless of department, I could simply ask for a meeting with any individual and have an appointment arranged within a few days. It was great to see how much the entire company invested in learning.

It would be hard to explain the full detail of this experience, but I can easily say that there is no other opportunity like it. Walking away from this I now understand the inner workings at Walmart as it pertains to national distribution, structural hierarchies, Health Insurance Portability and Accountability Act (HIPAA) management, corporate and customer protections etc. I have made contacts with numerous professionals in the technology and management. I was permitted to sit in on a hiring interview at my request. I even got the opportunity to introduce myself to the Vice President of Wellness (who was the only appointment request that couldn't be arranged) and have several contacts I plan to keep in touch with over the years. While this rotation used practically none of my clinical skills I consider it to be one of the most valuable six weeks of my life.



DKICP gives students rare chance to learn while working in American Samoa

Two student pharmacists completed their first Advanced Pharmacy Practice Experiential (APPE) rotation in American Samoa this summer.

APPEs begin immediately after the third year and are the final component of the Doctor of Pharmacy curriculum. Students are scheduled to participate in six rotations that are six weeks in length, providing students with a minimum of 1440 hours of experience.

Each student chooses two elective rotations. Rotations are held on all four major islands of Hawai'i, Kaua'i, Maui and O'ahu, as well as the US territories of American Samoa, Guam and



Saipan. Students also have the opportunity to complete rotations at a variety of mainland sites.

One of their required assignments for this elective rotation is to capture their daily activities through an online blog that would be shared with the college.

Samantha Teixeira and Joshua Dillon (Class of 2020) completed the "American Samoa Pacific Experience" coordinated with the Hawai'i/Pacific Basin Area Health Education Center and UH-Manoa's John A. Burns School of Medicine (JABSOM.) They spent time at both the Veterans Affairs (VA) clinic and Lyndon B Johnson Tropical Medical Center. Please visit their blog as they shared with us their experiences: <https://americansamoaappelog.home.blog/>

Preceptor Focus

Preceptor of the Year 2019: Melissa Bumgardner

The Class of 2019 chose Melissa Bumgardner, Clinical Pharmacist and Manager of Pharmacy Services, West Hawai'i Community Health Center, Kailua Kona, as their DKICP preceptor of the year.

Dean Carolyn Ma said when she introduced Dr. Bumgardner at the Graduation Recognition Dinner: "Preceptors are full time practicing pharmacists who, on a voluntary basis, provide experiential education to our students. These individuals would characteristically be described as selfless health care professionals, who on top of their full time jobs, take on the responsibility to educate our student pharmacists in their experiential rotations."

Dr. Bumgardner earned both her bachelor's and Doctor of Pharmacy degrees from the University of Colorado Skaggs School of Pharmacy in 2000 and 2001 respectively.

She managed a Walgreens Pharmacy for one year before continuing her education by becoming the first Community Pharmacy Practice Resident in the state of Colorado through a joint venture with Kroger and the University of Colorado in 2002.

Following her residency, she went on to become one of the original faculty members the Duluth expansion of the University of Minnesota College of Pharmacy in 2003.

Six years of Minnesota winters prompted a return to her husband's Colorado roots and the start of a new adventure as the owner of an independent pharmacy in rural Colorado.

Seven years and a few unexpected circumstances later found Dr. Bumgardner on Hawai'i Island in her current position as Clinical Pharmacist and Manager of Pharmacy Services for the West Hawai'i Community Health Center.



2019 Faculty Preceptor of the Year: Jarred Prudencio

The Class of 2019 chose Dr. Jarred Prudencio as their Faculty Preceptor of the Year.

In introducing his award at the Graduation Recognition Ceremony, Dean Carolyn Ma said: "If our staff are the backbone of this college, our faculty are the life blood, and without their dedication, intellect, and hard work, we would not have the graduates we have today. Our faculty are expected to teach both in the classroom and at their practice site, perform clinical research, bench research, clinical research, maintain and excel in their pharmacy practice sites or in their research labs, teach students in clinical practice and in their research labs, and provide service through work on various committees. It's a tremendous job and I have the utmost respect for them and am most grateful for their support and encouragement this past year."

Dr. Prudencio graduated with a Pharm.D. from DKCIP in 2015. He completed a post-graduate year 1 (PGY-1) pharmacy practice residency at UC Davis Medical Center in Sacramento, CA, where his emphasis was on ambulatory care. His residency included the Scholarship of Teaching and Learning Program (STLP) certification.

Joining the DKICP faculty in August 2016, he maintains a clinical practice site as an ambulatory care clinical pharmacist at the Hawai'i Island Family Health Center (HIFHC). In addition to precepting pharmacy students on ambulatory care APPE and academia APPE rotations, he teaches didactic lectures on therapeutic topics relating to chronic disease states and applying therapeutics to direct patient care. His most rewarding moments as a preceptor are being able to see students growth over the 6 week rotations.

A Day in the Life of a Hospital Emergency Department Pharmacist

Dr. Daniel Hu (Class of 2012)



- 6:30 a.m.: "Good morning, Dan." My APPE student, Tim, is greeting me at my job as a critical care and emergency medicine pharmacist at Providence St Peter Hospital in Olympia, Washington. He's here in the Emergency Department on Saturday, his day off. "Tim, you know you have the day off, right?" Tim looks at me blankly. "Oh. Uh, I guess I forgot." Before I can say anything else we get a heads up that a patient is coding in the ambulance.* No time to talk about Tim's incredible attention to detail. As the ambulance rolls in, we see the medics pushing on the patient's chest while the gurney is being wheeled through the doors. As we're coding the patient, it's my job to give the right medications. One milligram of epinephrine. One amp of bicarb. Suddenly we get a pulse back, and then a blood pressure. There's still life in there. When we finally exit the room, Tim looks at me with wide eyes. "Wow, okay, so we saved that patient's life!" he says. A little high five for a job well done. Tim and I take a minute to debrief and discuss the code. What went well? What could have been done differently? After we finish discussing, I let him go home to enjoy the rest of his day off.
- 7:30 a.m.: An hour after arriving at work, I'm finally sitting down at my workstation in the center of the emergency department and am logging into my computer. Our electronic medical record system opens up. They call it "EPIC", as if the name imbues it with some magic power that makes it work better. Usually it works. Sometimes it doesn't and we get an "EPIC downtime", which will be the name of my next band. Either that, or the Dirty Scrubs. You'll hear our hit single on the radio, "Prescription for Love."
- 8:00 a.m.: My email pings. Opening it up brings a short and direct message of glad tidings – "We are pleased to inform you that your article has been accepted for publication." I read the email twice and on the second time around manage to spill my coffee into my lap. One of the nurses, Robin, comes over to save me from myself and brings an armful of towels, the better with which to absorb my coffee and my shame. She's a great nurse. I head over to the laundry room to throw the towels and my dirty scrubs (great name for a band!) into the bin. A fresh pair of scrubs on, a second cup of coffee, and I'm back in the game, which in the second inning consists of cosigning medication reconciliation notes that my pharmacy techs send me while listening to a baby crying loudly in the room near my workstation.
- 9:00 a.m.: A few consults wander into my inbasket. "Pharmacist to dose vancomycin" and "Pharmacist to dose warfarin" come sailing into my life. It used to be that you'd see patients in the Emergency Department, or ED, solve their biggest problems, and the hospitalists admitting them would whisk them away, out of the ED and into "the Tower," where the medical floors are located. Oh, the good old days. These days, our community has grown up around the hospital. The population keeps getting bigger and bigger, and our hospital keeps staying the same size. Some days there's no room in the Tower, and so our patients are boarded in the ED instead. I have an old email saved from my friend Darlene. "Fifteen boarders again, guys," her email says. "We're going to have to figure out a way to manage all these boarded patients." If only I could have seen the look on her face back then if someone had told us that three years later we'd be boarding up to thirty patients in the ED.
- 11:00 a.m.: While I'm sorting through my consults, patients are still filtering into the ED. Some come from the waiting room (where they indeed wait, sometimes for hours), while others are wheeled in through the ambulance bay by the medics. We get another patient in through those double doors at the ambulance bay. It's a patient who's got cancer. A bleed somewhere. They can't survive the surgery they need to fix the bleed so they're here to see if there's any last shred of hope they might find here.
- 12:30 p.m.: I get a call from our inpatient psychiatric unit and assist them with procuring a long acting antipsychotic drug. Another call, this one from our dietician wanting to discuss the parenteral nutrition I help dose for patients up in the Tower. It's a weekend, remember, so in addition to my ED responsibilities I also cover one of the medical floors in the Tower, and this means TPN consults. One of my TPN patients has questions so I go to visit him, and it turns out his questions have absolutely nothing to do with my years of pharmacy school, fellowship, residency...his questions are all about poop.
- 2:00 p.m.: Did I even get a lunch break? The medics bring us another patient with a severe COPD exacerbation. "Help me man," he's wheezing, "I can't breathe, you gotta help me." Our team converges on him and I give him a few medication treatments. I think he's breathing a little easier. Our respiratory therapist and I take a listen to his lung sounds. He's starting to get more air in, which is a good thing. The delightful combination of drugs and a bipap machine stuck to his face, forcing air into his lungs. A minute later my friend Aaron taps me on the shoulder – it's 2:30 PM. Eight hours have come and gone in the blink of an eye, and he's here to relieve me for the evening shift.

The ED is a great place to work. Some days are easy, many days are hard, but every day is spent helping patients. Fifteen years ago when I first became interested in being a pharmacist I had no idea I'd end up working in critical care and emergency medicine but it's been a great journey. Who knows what's next?

* Patient examples aren't real patient cases but are similar to what is seen in the ED on a daily basis.

Champions of Pharmacy

Kerri Okamura and Megan Arbles from KTA Pharmacy have been named Champions of Pharmacy for Summer 2019.

"As a locally owned retail operation, KTA Pharmacy has an enormous influence on the community, and both Kerri and Megan have an enormous influence on our next generation of pharmacists that helps set them on the path to success," said Dean Carolyn Ma. "Through their guidance, leadership, professionalism and knowledge, they project a unique caring vision that comes through even in the most stressful of times. We are extremely grateful to the entire KTA organization for accepting and promoting our College from the beginning of our existence, and for giving our students a unique pathway to connect with our very neighbors."

Kerri Okamura is the Director of Pharmacy Operations for KTA Super Stores, a locally owned, grocery chain serving the residents of Hawai'i island. She was named the first UH Hilo's College of Pharmacy's Preceptor of the Year in 2008 and has been actively involved in mentoring students in every graduating class at DKICP.

After receiving her Pharmacy degree from Purdue University, Kerri began her career as staff pharmacist at KTA Super Stores in Hilo. For a year, she worked at a big box pharmacy but was recruited back to KTA as pharmacy manager, and eventually became the director.

Kerri has earned certificates in immunization delivery, immunization train the trainer, basic tobacco intervention skills and diabetes training.

She has received awards that recognize outstanding involvement in the community, including the prestigious national Bowl of Hygeia Award from the American

Pharmaceutical Association (APhA), which recognizes pharmacists who possess outstanding records of civic leadership in their communities and encourages pharmacists to take active roles in their communities. She also was honored with the Good Neighbor Pharmacy Caring for the Community Award through Amerisource Bergen, a global healthcare solutions company. The Good Neighbor award recognizes people who exemplify what it means to be a pillar in their community.

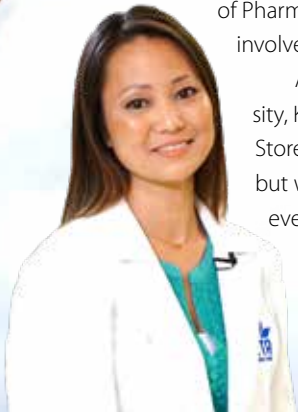
Megan Arbles is the pharmacy manager at KTA Super Stores. She credits Kerri Okamura for encouraging her to go out into the community doing diabetes education, medication management classes, medication safety, and work-place flu vaccine clinics.

Born and raised in Hilo, Megan graduated from Hilo High School and received her bachelor's degree in psychology from UH Hilo. After working as a residential counselor at a children's home in Washington, she says she realized that she enjoyed the patient interaction and satisfaction of knowing she was making a difference in the lives of others, but she missed the science/research aspect. A job as a pharmacy technician showed her the direction she wanted to go, and she ultimately earned her Pharm.D. from Creighton University's web-based pharmacy program.

A job opportunity at KTA gave her the chance to move back to Hilo and she discovered that the values and mission of the company is very focused on the well-being of individual patients as well as the community as a whole. Working there for more than 10 years has placed her firmly as a part of the pharmacy community in her home town.

With this award, we recognize their unwavering support and guidance to the Daniel K. Inouye College of Pharmacy, and are grateful for their continued affiliation.

The Champions Corner allows us to recognize and say mahalo to the people who have been instrumental in leaving a legacy of pharmacy education to thousands of students who have attended the Daniel K. Inouye College of Pharmacy.



Spring 2019 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 2019 spring semester.

Class of 2022

Tricia Amuimuia, Jordan Anderson, Liana Ang, Germain Atmospera, Kayla Bajo, Caroline Boule, Tyler Jo Branco-Hedke, Bryson Cadiz, Paige Cajudoy, Latisha Cajudoy, Matthew-Allen Clemente, Niel Carlo Concepcion, Alysha Cosier, Eric Dau, Roanne Deabler, Mercedes Dennis Graves, Tran Dinh, Lael Dobson, Tara-Ann Dumlao, Earl Jon Emboltura, Kazumi Fujitani, Ashley Fukuchi, Trent Furuta, Olivia Graham-McLennan, Laura Hardaway, Leia Hasegawa, Yan Yee Ho, ZhiLing Huang, Brandi Hutchins, Thien Huynh, Katrina Jardine, Christopher Kaneko, Minkyung Kim, Cleighton Lagmay, Jane Lakritz, Tiffany Lam, Zhian Lin, Wangui Mwaniki, Kyle Nakagawa, Danh-Ronald Nguyen, Trisha Nobriga, Nadra Nour, Angelyn Park, Yun Soo Park, Brian Petrone, Jenny Phong, Cody Porter, Donald Sachs, Melanie Sacro, Micheal Angelo Sagun, Kellen Sakamoto, Ruby Smith, Jessica Song, Patricia Stevens, Kara Tsuzaki, Sabrina Uchino, Shumin Wu, Kristi Ann Zane

Class of 2021

Trang Bui, Nichole Chaffin, Brandon Chagami, Lauren Domingo, Raul Flores, Taylor Hiraga, Jake Hocter, Feng Ming Huang, Patsylynn Jetley, Melody Keshavarz, John-Michael Kimhan, Da Hai Lee, Kevin Lee, QiXin Li, Noelle Lovesy, Brittany Luna, Nu Nguyen, Rebecca Oshiro, Calvin Ostler, Jaymee-Rae Pang, Elaine Phan, Tiana Ramos, Norlyn Ranchez, Sera Shimizu, Maysyvelle Sistoza, Deena Tanimoto, Donald Waddell

Class of 2020

Brandi Chun, Joshua Dillon, Jensine Melody Domingo, Courtney Elam, Amelia Furlan, Jhoana Paula Gonzales, Robyn Hart, Taylor Hori, Kamala Lizama, Tracy Lopez, Mary Lui, Jarin Miyamoto, Shahrzad Mohammadi, Stacey Nguyen, Brent Ocker, Tyler Peterson, Shaina Saiki, Reid Shimada, Rajesh Shrestha, Charles Slusher, Joseph Tanchevski, Samantha Texeira, Kelsey Trujillo, Brooke Zarriello

Members of the Class of 2020 who have been on the Dean's List every semester since their first year:

Brandi Chun, Joshua Dillon, Jensine Melody Domingo, Amelia Furlan, Robyn Hart, Taylor Hori, Kamala Lizama, Tracy Lopez, Mary Lui, Jarin Miyamoto, Stacey Nguyen, Brent Ocker, Tyler Peterson, Shaina Saiki, Reid Shimada, Kelsey Trujillo





REUNION

Save the Date

Monday, December 9, 2019

Las Vegas

Near the ASHP Midyear
Clinical Meeting and
Exhibition
in Las Vegas

Details to come.

For more information contact
DKICPalumni@gmail.com