

One who mixes ingredients, drugs or medications: a pharmacist

Kāwili Lā'au

The Daniel K. Inouye College of Pharmacy at the University of Hawai'i at Hilo
Winter 2020 • Volume 12, Issue 1



Our new home:

***A modern structure
steeped in tradition***



UNIVERSITY
of HAWAII®
HILO

Dean's Message



The beginning of a transformation

The 2019-2020 academic year has ushered in the start of a transformation for the Daniel K. Inouye College of Pharmacy. We are moving from a traditional educational model to a more customized approach for training pharmacists and healthcare professionals that fits the needs of our communities, within the state and beyond.

This transformation has been local and very personal, and not without some pain and frustration. But it's part of a national conversation on the changing mission of colleges of pharmacy. Our counterparts around the country are also reexamining how to better prepare students for exciting and expanding pharmacist roles in this new decade.

From the beginning, outreach and service have been an integral part of our values and practices. Our students regularly interact with the community and, in many cases, become a part of it, as evidenced in several stories in this issue. These interactions will touch our indigenous Pacific Rim and Asian populations and help our students to gain a unique skill, learning how to approach health care in culturally appropriate ways. Development of these skills will continue to be a vital part of their education and our mission, and is something that truly sets our students apart.

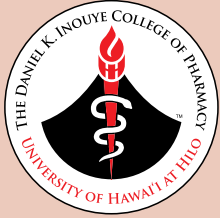
In December we welcomed the completion of the college's new home. The official dedication ceremony for our new building and descriptions of its many wonderful features are documented in this issue. The building's Hawaiian name – Kihō'ihō'i – represents restoration of the land after an eruption and lava flow. Everything that is housed in and comes from this structure is meant to promote a restoration of both the environment and the people of Hawaii, as well as the global community.

Kihō'ihō'i is a noble and humbling name, and an appropriate mission as we continue a transformation that will enable us to be the academic bellwether for our profession and partner with our healthcare colleagues to improve the health of residents in Hawaii and throughout the Pacific.

Aloha mai,

A handwritten signature in black ink that reads "Carolyn Ma". The signature is fluid and cursive, with a long horizontal stroke at the end.

Carolyn Ma, PharmD. BCOP
Dean



Kāwili Lā'au

Administration

Carolyn Ma
Dean

Lara Gomez
Associate Dean for
Academic Affairs

Dianqing Sun
Chair, Pharmaceutical
Sciences

Roy Goo
Chair, Pharmacy Practice

Sheri Tokumar
Director, Interprofessional
Education

Ghee Tan
Director, Ph.D. in
Pharmaceutical Sciences
Program

Peg Zenk Bitter
Editor, Kawili La'au

Graphic Production
UH Hilo Graphics Services

Published by the
Daniel K. Inouye
College of Pharmacy
University of Hawai'i at Hilo
200 W. Kāwili St.
Hilo, Hawai'i 96720

Phone: 808-933-2909
Fax: 808-933-2974
pharmacy.uhh.hawaii.edu
Pharmacy@hawaii.edu

Kāwili Lā'au is the magazine for
the only College of Pharmacy in the
Pacific region,
at the University of Hawai'i at Hilo



UNIVERSITY of HAWAII®
HILO



4

University of Hawai'i at Hilo students, faculty and staff perform a hula at the dedication ceremony of the new building.

Contents

Winter, 2020
Volume 12, Issue 1

Celebrating a new home	4
Welcoming the Class of 2023	12
Two DKICP faculty on teams that receive Robert Wood Johnson grants	16
<u>Regular Features</u>	
Faculty Briefs	18
Student Organizations	19
Champions of Pharmacy	33
Dean's List	34

On the cover: The front of the new DKICP building cuts a dynamic profile from the view along Aohoku Place, on the upper campus of the University of Hawai'i at Hilo. (Photo by Tracey Niimi)

Celebrating a new home

The college and community gathered in December for dedication of Kihō'ihō'i, the new home of the Daniel K. Inouye College of Pharmacy.

As Hilo rains fell intermittently one morning in early December, more than 400 students, faculty, staff, alumni, dignitaries and local supporters of the Daniel K. Inouye College of Pharmacy gathered to celebrate the official opening of its new home. Christened Kihō'ihō'i, the new 45,000-square-foot, two-story building was officially dedicated with a traditional Hawaiian ceremony.

The name Kihō'ihō'i refers to the quick restoration of land after a lava flow. According to

Hawaiian naming protocol, everything coming from this new building, and the college it houses, is intended to promote restoration of Hawaii's natural environment and its people, as well as the global community.

In her address to the crowd, Dean Carolyn Ma noted that it was not by chance that the college of pharmacy was located in Hilo. "Hilo is considered one of the epicenters of traditional Hawaiian medicine. The late Senator Inouye strategically placed this professional college in the enclave of what is one of the last few places of old Hawai'i. The



college is meant to provide a center of excellence for this town, this island and for the whole University of Hawai'i at Hilo campus."

She noted that the word hilo means to intertwine, and that this college represents an intertwining of Hawaiian and western perspectives, and of both ancient and modern ideas.

Taking a native design approach

A unique approach was needed to build a structure to house such a college. The Oahu-based firm WCIT Architecture designed the new building and often begins with cultural context for their work in Hawai'i. "Our process is focused around a series of stages we call the Mo'ō Methodology, which starts with researching genealogy of the place and client organization, continues through the design and construction of the building, and extends long after people occupy it," explains Sean Baumes,



Gathered by the portrait of Senator Inouye is Sara Hamakawa from the Daniel K. Inouye Institute; Gerald DeMello; Irene Hirano Inouye, the late senator's wife; and Dean Carolyn Ma.



The new home of the Daniel K. Inouye College of Pharmacy is located on a 4.5-acre lot on the upper side of the University of Hawai'i at Hilo campus.



Frosted glass walls on the interior sides of breakout rooms allow natural light into hallways. A mural spanning three inner walls melds images of both native medicinal traditions and modern pharmaceutical science.

project architect and senior associate with WCIT. “Knowing that buildings will have a life of their own long after construction is complete, we devote the last phase of design, or what we call mo’owaiwai, to finding opportunities to share the ideas that helped shape the project.”

He says early on, designers used Hawaiian legends and place stories as their inspiration for the building’s overall shape and main features. They also focused on incorporating visual references to native and medicinal plants throughout the public spaces of the building. He explains several key examples.

- The undulating roof line represents the goddess Pele and her land-shaping lava flows.
- The second-story core of the building, which runs from the terrace above the entry through

the lobby and to a meeting room on the other side, is meant to represent Pele’s favorite sister Hi’iakapoliopole (Hi’iaka), who Pele cradled in her bosom when she traveled from Kahiki to Hawai’i.

- The terrace, or waha, that extends out of the structure above the main entrance, represents a place to call out to or greet visitors. It also provides a pleasant area for students and visitors to gather, study or just relax.
- The perforated wall and exposed steel framing over the second-floor lanai of the building was envisioned as a contemporary abstraction of the thatched framing of a hale. The circular patterns



The Daniel K. Inouye Institute presented to the college a treasured koa desk, specially made for Senator Inouye by one of his “brothers” in the 442nd Infantry Regiment that fought in World War II. He used it in his Hawai’i office for many years, and it now resides in the office of the DKICP dean.

in the outer metal screens were inspired by a well-known Hawaiian prayer that speaks of the people thatching a hale during a new moon. (That's also a metaphor for the preparation and healing of a patient.) The varied screen patterns and circle sizes represent the thatching process at different points of completion.

- The ground-floor lobby mural is an impactful component of the overall design. Located in a very active space where students gather between classes, the mural is also visible, through large glass walls, to all who walk through the building every day.

Spanning ancient to modern healing

The floor-to-ceiling mural wraps around three walls that surround the entire set of breakout rooms in the center of the first floor. Designed digitally, the artwork was printed on a wall covering, which was installed like wallpaper.

The graphics of the mural are layered to create a sense of interest on various scales, explains Baumes. "Large graphic elements catch the eye of the casual bystander. For those who take the time to read the text and observe the piece, there is a great deal of deeper meaning embedded in the design," he says. "For instance, the undulating bands of colored gradients have five peaks to represent the five volcanoes of Hawai'i Island.

"Additionally, seven native plants have been incorporated to reference the seven precepts of the oath of a pharmacist. Kalo stands almost ten feet tall,



The large conference room on the second floor offers both mountain and ocean views.

taking on a monumental scale to highlight the cultural significance it has for Hilo and medicinal uses," he adds.

On the first panel, the graphics relate to Hilo and its history as a place of healing. For instance, the lunar calendar is included in reference to the translation of Hilo as a new moon and symbol of healing. Similarly, 'ōhi'a lehua and kupukupu ferns are placed in this section as a symbol for new growth, as some of the first elements to sustain life after a lava flow, explains Baumes.

Turning the corner to the second wall, traditional and Hilo-based themes transform into contemporary concepts and color tones change. Molecular geometry dominates the upper band of the middle wall and links to the next section of wall that shows the evolution of modern medicine. On the third wall, the rigid line work of organic chemistry contrasts the organic forms at the center that showcase native and medicinal plants such as noni, 'ōlena, and palapalai. Here, the Prayer for Life is integrated, which uses the metaphor of building a hale to describe traditional concepts of healing.

"Our hope is that the visual and written content of the mural will allow each class that graduates from the program to have a deeper understanding of the history of the place and their role in carrying it forward," says Baumes.



The second-floor lanai, is protected from the elements by a perforated outer wall and exposed steel framing that is a contemporary interpretation of the thatched framing of a traditional Hawaiian hale.



Large first-floor lecture halls feature state-of-the-art audio-visual systems with ceiling cameras and microphones at each table to accommodate distance education classes.



Creating an inviting interior

Sleek, clean designs and bright, open interior spaces draw inhabitants into Hale Kihō'ihō'i. Plenty of casual seating, both inside and on the front lanai, provide places for students, faculty, staff and visitors to gather.

But it is educational rooms and facilities that fill the majority of the building's interior space, and are what both students and faculty have long waited for. Here are some highlights:

- A huge first-floor lecture hall has a middle divider that separates it into two large rooms. When fully opened, the room accommodates 350 people, with

sliding doors that open onto a wide front lanai.

- Built-in, state-of-the-art audio-visual systems have ceiling cameras and microphones at each table for distance education classes. AV systems can be used in a typical instructor presentation mode or for group discussions, where both students and instructors can display images on the screen.
- High-fidelity simulation mannequins and separate control room allow students to observe and take part in life-like patient interactions. The simulation system can also be accessed by health professionals on O'ahu and other campuses to take advantage of



Ken Inouye, (center front) son of the late senator, and Dean Ma are among those taking part in the opening ceremonies of Kihō'ihō'i, home of the Daniel K. Inouye College of Pharmacy.



Dean Ma ceremonially moku ka piko (cuts the umbilical cord), representing the birth of a new home for the college.

- distance learning opportunities.
- A simulated pharmacy, with both retail and hospital sections, gives students the chance to experience real-world conditions.
- Wet and dry labs, including a compounding lab, are clean and spacious, with plenty of natural light filtering in.

Architects also followed Leadership in Energy and Environmental Design (LEED) principles, which means environmentally friendly materials and building practices were used. Enhanced control over room temperatures and improved air-handling systems reinforce the University's commitment to carbon-neutrality and energy efficiency.

Enabling students to serve

In celebrating the building's dedication, Chancellor Bonnie Irwin spoke of the college's roll in improving the quality of life for people in Hawai'i, the region and beyond. "This beautiful new building beckons students to come here to study, to earn a pharmacy degree in a rural environment, with an incredibly supportive community, where there is much wisdom to be learned about the role of pharmacies in diverse and indigenous areas. Our graduates are well prepared to go out there in a real and diverse world, to be top performers and to make the world a better place."



A happy group of student ambassadors served as tour guides for dedication day visitors, pointing out architectural and cultural highlights of the new building.

Dedication day speakers

Dean Carolyn Ma



“ We have a college of pharmacy with both Hawaiian and western perspectives woven together, both natural and man-made, both ancient and modern. ”

Chancellor Bonnie Irwin



“ This beautiful new building beckons students to come here to study, to earn a pharmacy degree in a rural environment, with an incredibly supportive community. ”

Ken Inouye



“ My father was concerned that the state of Hawai'i was becoming too O'ahu-centric. He felt it was important that each island had something to speak for it, some center of excellence. This building is an example of that. ”

Jessica Toyama Watanabe
(president, Class of 2011)



“ For those of us born and raised in Hawai'i, the opportunity to receive a pharmacy education at home would not have been possible without the late Sen. Inouye's belief that a pharmacy program would thrive, focusing on Hawaii's unique cultural, physical and geographic features. ”

How to leave a legacy

The pathway leading up to the new home of the Daniel K. Inouye College of Pharmacy is not just a walkway. Surrounded by a garden of native and traditionally medicinal plants, the pathway is periodically inset with sections of bricks represent more than just a design element.

The bricks create the college's Legacy Path, providing donors with the opportunity to celebrate an achievement or create a tribute to a friend or loved one. By purchasing a brick, the donor can have it etched with the name or message they choose.

Price of the bricks varies, based on their location on the pathway, and ranges from \$500 to \$1,500. To learn more about leaving a legacy, see details on the inside back cover of this issue.



Bricks surrounding the DKICP logo plate at the front entrance of the building, in the Alumni and Ohana Legacy Circle, are available for purchase.



Students and faculty perform the DKICP Hawaiian chant during the building dedication ceremony.

'OI OLA WAI HONUA

E ke akua nui, akua iki
akua loa, akua poko
akua lipo ka po I akua lile ke ao
o wehea nahi o lani
'oi ola wai honua
- Na Taupōuri Tangarō

WHILE THERE IS TIME

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.





White Coat Ceremony welcomes the Class of 2023

The following is Dean Carolyn Ma's speech to the Daniel K. Inouye College of Pharmacy Class of 2023 at the White Coat Ceremony, held October 13, 2019, at the UH Hilo Performing Arts Center.

Aloha Mai Kakou.

My warmest welcome to family, friends, faculty, distinguished guests, and most especially, to the students of the class of 2023.

Every year this White Coat ceremony for the Daniel K. Inouye College of Pharmacy helps us to mark another point of our history. Students, not too long ago, you started your chapter with us during orientation, with a mixed bag of feelings that I am sure included incredible excitement but also terrifying apprehension.

Your choice of this profession was perhaps fueled by some general aspirations of helping others, of choosing a profession to be proud of. But I suspect many of you have a more personal story that exposed you to a pharmacist's expertise in medication therapy.

Your story may be in following the footsteps of a parent or a sibling, an experience of a family member who suffered a side effect due to a drug interaction or had a medication error, or seeing the confusion in a loved one's face when medication number 18, 19

and 20 were added to an already too long list of medicines. You alone know the personal purpose that has inspired you to strive to be part of the most noble and respected of professions in healthcare.

"Purpose: the reason for which something is done or created"

Very soon, on December 4, this college will mark one of its most notable accomplishments.

We will hold the grand opening of our permanent building. The ground breaking occurred three years ago almost to this day, when dirt was turned and lava was clawed out of the earth, with each pillar impaled into the ground and an avalanche of concrete used to create the walls. We revealed, only a month ago, when the scaffolding came down, revealing a beautiful, iconic building.

But as beautiful as this building is, it is still only a structure. Its purpose, the reason why it was created, lies in the 50 committed men and women who sit in these front rows today. You are here to fulfill our college's mission to care for the health of our community through education, research and service. Our purpose as a college will only be fulfilled when we nourish the minds and



parts of all of you – our committed students, and help you to build your own foundation and structure.

The oli, or chant, created by Na Taipori Tangaro, titled “Oi Ola Wai Honua” (While There Is Time) speaks to both the great and small potential 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 must be fire. For there to be students, there must be a teacher. For one to appreciate success, one must experience failure. One cannot exist without the other.

Over the next few years, you will face challenges that may seem unsurpassable, whether it’s the plethora of drug facts and chemical structures, therapeutic guidelines to learn, or still yet another exam. And in these times, remember the purpose of why you chose to be here. If your work at yesterday’s health fair was any indication by which to gauge your potential, then the limits on your intelligence, passion and dedication stretch far beyond this universe.

With each day, your faculty and staff, in partnership with our healthcare colleagues, will help to turn your stones, to establish your pillars and walls. And most importantly, with each patient encounter, successful or

otherwise, your purpose will deepen as you begin to understand the impact that you have on a fellow human being’s health and wellness.

Very shortly, you will hear from one of our newest ohana members, Chancellor Irwin, who I am sure will reflect on her purpose here as our new leader. Mr. Will Okabe represents Mayor Kim, and epitomizes purpose for our community every day. And Mr. Eddie Mercereau, who is trained as a social worker, a profession I have always held in high esteem as fellow healthcare partner to help me to better communicate and understand my patients. My personal mahalo for taking time to join us and share your words of inspiration.

Finally, mahalo to the families and friends who made this trip today to support their student. I look forward to seeing you at any time but most importantly, at graduation.

My last mahalos are for all the people who have worked very hard to coordinate this event, namely the staff of the Office of Student Affairs, and all the faculty, staff and students of the college.

Students and residents, congratulations on your White Coat Day!

Following is a speech given by Eddie Mercereau at the Fall 2019 White Coat Ceremony. Mercereau is a licensed clinical social worker and Hawai’i state certified substance abuse counselor. He received his Masters of Social Work degree from the University of Hawai’i, and became an adjunct instructor there for the School of Social Work, teaching undergraduate- and graduate-level courses in direct practice, policy and human development. He has over 25 years of clinical practice experience with a wide spectrum of behavioral health issues.

A defining moment for you and health care

Dean Ma, Chancellor, distinguished faculty, staff and guests, aloha. And aloha to the students of the Daniel K. Inoye College of Pharmacy at UH Hilo.

I am deeply honored to have been invited to share in today’s white coat ceremony, this very important and defining moment of your lives.

Dr. Google tells me that the definition of a defining moment is “*an event which typifies or determines all subsequent related occurrences*”.

Think about this for a second. On this day, when you put on your white coat, you will have experienced an event that typifies or determines all subsequent related occurrences in your career, and very possibly in your lives.

Defining moments such as today are points in your life when you experience something that fundamentally changes you. Not only do these moments define us, but they have a transformative effect on our perceptions and behaviors, both individually and globally.

They can be singular or aggregate, but they make you who you are. And they set the stage for who you will be and the paths in life that you will travel.

Take a second to reflect on important experiences of your lives that brought you here today, to

this defining moment. While I don’t know all of your personal stories, I am confident that each and every one of you chose to pursue a career in pharmacy because of defining events that led you to this helping, healing profession, where you knowingly and willingly shoulder the responsibility and the challenge that all health professionals assume – to help, heal and care for your fellow human beings.

I’d like to ask you to keep in mind the concept of today’s white coat ceremony as being a defining moment as I talk with you today.

When I was invited to speak with you a while back, I accepted with a deep sense of privilege, responsibility, and a fair measure of dread. The invitation sparked about a month of thinking and worrying, and worrying and thinking, punctuated by periods of starting and then procrastinating.

I kept asking myself. “What could I, a social worker, say that would sufficiently relate, articulate and do honor to the special meaning of this occasion and what the white coat represents?”

I thought and worried and procrastinated, and then I





Dr. Ghee Tan presents Dustin Tacdol with his white coat as he enters the Doctor of Philosophy in Pharmaceutical Sciences program.

had a defining moment of my own – I went to pick up a prescription.

The defining moment for me was my actual experience with the pharmacist. She didn't let me just pick up my prescription and go on my way, and move on to the next person in line.

She spoke to me as human being and as a patient. She interacted with me from a place of respect, concern and accountability. She made me feel instantly comfortable about the procedure and the medicine I was picking up. And there was not a moment of awkwardness. I walked away knowing I was not just another pharmacy customer.

That experience reminded me of two things with crystal clarity, and all the dread I felt about speaking with you today disappeared. First, was that defining moments are almost always interpersonal. What I mean by this is that defining moments, though pivotal and often defining of who we are, almost always happen as a result of some meaningful interaction with people, places or things. Often, the other person is not even aware of the meaning of those moments, like with the experience I had with my pharmacist that day.

The second thing that I was reminded of was that everything is connected in some way or another, especially with defining moments. They don't really operate singularly or in a vacuum. Think about it this way. If I had not been asked to speak with you today, and been worried about what to say, that experience with my pharmacist, while still positive, would not have had the same meaning and context.

The connection between speaking with you and that experience gave the interaction a much deeper significance. It's important for all of us in healthcare to recognize that our responsibility to our patients

does not just end with our singular interactions with them. We are all part of a broader healthcare system with different specialties.

The patient experience in the moment of your encounter with them can define their relationship with both you and the broader system. My pharmacist reminded me, without even knowing it, and exactly when I needed to be reminded, that our healthcare system is made up of many disciplines, and that only by bringing them together can we celebrate and truly fulfill our common calling to help people.

The oath you will take today so eloquently begins "I promise to devote myself to a lifetime of service to others through the profession of pharmacy."

You and I are brothers and sisters, bound by a call of service to our fellow human being, linked by a common devotion to others that both transcends and celebrates different titles. Through that experience, it became so clear to me that my view had embarrassingly gone askew and that I was not looking at things through the coordinated systems lens that I spend every day in my job trying to promote. It showed me that I could celebrate with you in companionship and in fellowship of the symbolism of the white coat.

The white coat reminds you, and me, that beyond our own defining moments, there are pivotal events occurring right now in health care that challenge us to unite all specializations around our common calling. The nation's opioid crisis is one example. This crisis has literally changed and continues to challenge our most



Pharmacy Practice Residents Nicholas Tsoi (center) and Rachel Randall pose with DKICP faculty Sheri Tokumaru (far left) and Roy Goo (far right).

basic paradigms about issues, such as pain management, prescribing practices, safe disposal of medicines and addiction.

And while doctors, social workers and substance abuse counselors are generally thought to be at ground zero of this evolving, nationwide, defining moment in health care, I truly believe it will be pharmacists who will help shape the outcome.

You see people at a crucial point in their healthcare journey. You stand at a crossroads that no other discipline in health care occupies, with an opportunity unique only to you.

In one encounter, you can guide, assure, double check and intervene in patient care. As a pharmacist you stand at the very convergence of all other health disciplines. At this epicenter you are able to have the kind of interpersonal relationships with people that create defining moments in their lives. No pressure though.

By putting on your white coat for the first time, you are suiting up and showing up to take your place at this epicenter, for yourself, for your patients, for your discipline, and for the healthcare system.

So, I know you will agree with me that limiting the definition as - dictionary.com does - of a pharmacist as “*a person licensed to prepare and dispense drugs and medicines*” does not even begin to articulate the complex and vital role that pharmacists play in the healthcare system. Nor does it scratch the surface of the growing importance of pharmacists in our evolving healthcare landscape.

All of you in this class stand at the helm of defining your discipline in the context of that landscape. Because defining moments don't only have to be those that happen to us, they can be moments that we make.

As a social worker who has spent a life responding to our common calling, and as a deputy director for the department of health, I share with you a connection, duty and responsibility to link together various disciplines of healthcare in our state for the benefit of our community.

And as you put on your white coat and take your oath today, I call to you, I encourage you, I challenge you, and I pledge to stand alongside you in fellowship as you make today and every day a defining moment for healthcare.

Congratulations to you all. Mahalo.



Photos: Robbyn Peck

Chosen to lead

Two DKICP faculty are part of University of Hawaii System healthcare teams selected to participate in the prestigious Robert Wood Johnson Foundation Clinical Scholars program.

Improving the health of everyone within a community, throughout an island, or within a state, takes some creative thinking, as well as coordination of resources and efforts across a variety of health professions. Developing leaders who can do that to improve the lives of those facing health disparities is the main goal of the Robert Wood Johnson Foundation Clinical Scholars program. For the first time, teams of Hawaii professionals have been chosen for the exclusive program, with two of the eight members being from the Daniel K. Inouye College of Pharmacy.

The Robert Wood Johnson Foundation, the largest U.S. philanthropic organization focused on health, created the Clinical Scholars program. It selects interdisciplinary teams of healthcare providers, including pharmacists, physicians, physical therapists, dentists, nurses, social workers and others in clinical and academic settings. The teams must be tackling what the program calls a "wicked problem" that "require solutions that embrace a scientific-rational approach while also recognizing the very real contributions of politics, behavior, environment and other complex factors."

The three-year program offers leadership training, mentoring and networking opportunities, all focused on increasing their impact as healthcare leaders and problem-solvers in their own communities, in health-disparate populations.

Empowering homeless with diabetes

Dr. Camlyn Masuda, Pharm.D., CDE and BCACP, and DKICP assistant specialist, is part of a team led by Dee-Ann Carpenter, MD, assistant professor at the John A. Burns School of Medicine (JABSOM) at the University of Hawaii at Mānoa. Other members include Marjorie Mau, MD, professor at JABSOM; Francie Julien-Chinn, assistant professor of social work, UH Mānoa; and Aukahi Austin Seabury, Ph.D. in clinical psychology.

"Our team's focus is on providing diabetes (DM) and pre-DM education to Hawaii's homeless populations, and training volunteers on providing education on DM and pre-DM to people who are homeless," says Masuda. "Homelessness is a major public health problem here in the state, with a per-capita rate of 46 homeless per 10,000 people. That puts Hawaii's homeless population among the top two states in the country."

Hawaii also ranks among the top states when it comes to prevalence of diabetes. "Educating the public about



Photos: Clinical Scholars

Empowering Hawaii's Homeless: Diabetes and pre-Diabetes Education and Resilience Initiative
Team members Aukahi Austin Seabury, Ph.D.; Francie Julien-Chinn, Ph.D., MSW; Marjorie Mau, MD, MS; Dee-Ann Carpenter, MD; and Camlyn Masuda, Pharm.D.

this and other chronic diseases, and helping them manage their disease is an important step in changing these statistics, but reaching homeless populations is especially difficult," she says. "Many homeless people with chronic diseases, such as diabetes, only get medical care when they have complications from their conditions and end up in an emergency room."

Their proposed project centers around using community outreach to educate and empower people who are homeless and have DM and pre-DM so they can better manage their chronic conditions. "Our team will develop a DM and pre-DM self-management education program, and train shelter staff and other peer educators to implement it," explains Masuda.

Each member of the team brings unique expertise to this issue and in dealing with the social disparities that affect medical care of homeless populations, she adds. "Including pharmacists in this effort makes perfect sense. The role of a pharmacist is not just filling prescriptions but educating patients about their medications and helping them manage their disease by starting or adjusting doses of medications specifically selected for a patient."

The team is working with the JABSOM Homeless Outreach and Medical Education Project, which provides medical care to the homeless at different sites on Oahu. Several of those sites will be selected to implement the team's project. They are also exploring options for being able to offer on-site internet access to connect staff and patients with experts elsewhere on the island or in the state.

Meanwhile, she and other Clinical Scholars from Hawaii have the opportunity to learn from past and present program participants through twice-yearly in-person sessions on the mainland and regular distance-learning events.

More focus on geriatrics

Hawai'i's population is aging at a greater rate than the United States, as a whole. Between 2010 and 2018, the state's population of residents 65 years or older grew by 33.7 percent, compared to 30.2 percent across the country. At the same time, the number of health professionals with special training in geriatric care is not keeping up. Hawai'i's only formal geriatric training is on the island of Oahu.

"Currently, we're not adequately equipped to care for all of our kupuna (elderly) throughout the islands due to a severe shortage of geriatric medical and mental health providers, especially on the island of Hawai'i," says Chad Kawakami, Pharm.D. and DKICP assistant professor. "That's our team's wicked problem."

Kawakami is working with team leader Pia Lorenzo, MD, who specializes in geriatric medicine, and Robin Miyamoto, Psy. D., clinical psychologist and assistant professor at UH Mānoa. "The experience that each of us brings to the team really fits together well."

Their project has a three-pronged approach:

- Improve community geriatric knowledge using interprofessional tele-education to reach the existing and incoming primary care workforce.



The KOKUA Project: Kupuna Outreach and Knowledge in Underserved Areas

Team members Chad Kawakami, Pharm.D.; Pia Lorenzo, MD; and Robin Miyamoto, Psy.D.

- Transform a traditional rural primary care clinic system into an age-friendly one.
- Disseminate training sources, action plans and other materials to other rural primary care clinics.

Working with the Hawai'i Island Family Residency program and staff at the Hilo Medical Center, the trio hopes to help make Hawai'i Island Family Health Center a more age-friendly place. One way to do that is to make everyone on staff familiar with the 4Ms framework – What Matters, Medications, Mentation and Mobility.

"The cornerstone to this philosophy is starting with what matters to the patient, in terms of their goals for care and their quality of life," Kawakami explains.

Considering which medications are necessary and appropriate, whether patients could be suffering from depression or dementia, and how to help them maintain mobility as long as possible are all important in tailoring healthcare plans for elderly patients, he adds.

In the first year of their Clinical Scholars program, his team is developing a curriculum, creating a needs assessment and figuring out how the training will fit into a clinic's routine. In year two they plan to implement the training and incorporate the 4Ms into the practice. In year three they will create a website that contains a toolkit for other clinics to use.

"A lot of the training can be done using existing tele-medicine technology," he says. "It's a good way to reach rural clinics and provide this type of training, because it's economical and convenient for everyone."

Faculty Briefs



Julie Adrian, DVM, associate professor in the Department of Pharmacy Practice, was co-author of an article titled “A case report on using raw honey to treat dermatitis in goats,” which appears in *Pacific Agriculture and Natural Resources*, 9:10-13, 2019.

Co-authors were E. Cleveland and M. Haines. She co-authored a poster presentation with T.P. Kondratyuk and C. Ma, titled “Veterinary pharmaceuticals and compounding: an opportunity for interprofessional education” at the 2019 *American Association of Colleges of Pharmacy Annual Meeting*, in Chicago. She also made the following presentations at 66th Annual Hawai’i Veterinary Medical Association Conference, November 2019: “The opioid crisis: Are veterinarians contributing to the problem?”; “The opioid crisis: what? really? key take homes”, and “Overview of the opioid crisis and resources to help.”



Leng Chee Chang, associate professor in the Department of Pharmaceutical Sciences, and **Supakit Wongwiwatthananukit**, professor of in the Department of Pharmacy Practice, were corresponding author and co-author, respectively, on a publication entitled: “Bioactive sesquiterpine lactones isolated from the whole plants of *Vernonia cinerea*” published in *J Nat Prod*, with coauthors M. Zhang, X. Yang, Y. Wei, M. Wall, and T. Songsak.



Chad Kawakami, assistant professor in the Department of Pharmacy Practice, was one of two pharmacists to ever receive the Geriatric Academic Career Award (GACA) from the Health Resources and Services Administration. The GACA Program focuses on developing clinician educators in training the next generations of geriatric healthcare professionals. The title of his GACA Project is “Pharmacy led interprofessional team training to improve safe opiate prescribing and appropriate medication use in elderly patients.” While the overarching goal of the award is to accelerate Kawakami’s career as a senior care pharmacist, the aim of the project is to develop an interprofessional age-friendly pharmacy practice model based on the 4Ms Framework: What Matters, Medication, Mentation and Mobility. The project will target family practice residency clinics in Hawai’i. Dr. Sheri Tokumaru is the primary mentor for this project, providing leadership and guidance.



Ingo Ko’omoa-Lange, assistant professor in the Department of Pharmaceutical Sciences, has received a New Investigator Award from the American Association of Colleges of Pharmacy for his project entitled “Components of Store-Operated Calcium Entry Promote Neuroblastoma Malignancy.”



Karen Pellegrin, director of continuing education, strategic planning, and the Center for Rural Health Science, was invited to present “Value in Medication Adherence: Prescribers First, Then Patients” at the HealthLeaders Innovation Exchange in July in Ojai, Calif.

She gave the keynote Peter P. Lamy Memorial Lecture at the 2019 annual conference of the American Society of Consultant Pharmacists held in Grapevine, Texas, in November, as well as presented a Senior Care Pharmacy business workshop there.



Dianqing Sun, professor and chair of the Department of Pharmaceutical Sciences, published a paper entitled “Small-molecule inhibition of the *C. difficile* FAS-II enzyme, FabK, results in selective activity” in *ACS Chemical Biology*, with co-authors Jones JA, Prior AM, Marreddy RKR, Wahrmund RD, Hurdle JG, and Hevener KE.

In addition, Sun co-authored a book chapter “Solid-Phase Synthesis of Wollamide Cyclohexapeptide Analogs” with Allan M Prior in *Peptide Synthesis: Methods and Protocols*, edited by W.M. Hussein, M. Skwarczynski and I. Toth, for *Methods in Molecular Biology*, vol. 2103, published by Springer Nature.



Deborah Taira, professor in the Department of Pharmacy Practice, was co-author on two abstracts that were presented at the 12th Annual Conference on the Science of Dissemination and Implementation in Health in Arlington, Va., in December 2019.

They were entitled: 1) “Community-based storytelling to reduce heart failure readmissions for Native Hawaiians”; 2) “Implementation of a real-world value-based insurance design benefit program to improve access to necessary chronic medications for diabetes patients”.



Supakit Wongwiwatthananukit, professor in the Department of Pharmacy Practice, was coauthor on two publications entitled: (1) “Comparison of potential drug-drug interactions with metabolic syndrome medications detected by two databases”

published in *PLOS ONE*, with co-authors P. Khemawoot, B. Suriyapakorn, P. Chairat, S. Boonyoparakarn, P. Rojanarattanangkul, W. Pisetcheeep, and N. Hunsakunachai; and (2) “Cytotoxicity and induction of the apoptotic activity of hirsutinolide series/sesquiterpene lactones from *Vernonia cinerea* on human colorectal cancer cells (COLO 205)” published in *J Curr Sci & Tech (JCST)*, with coauthors Leng Chee Chang, associate professor in the Department of Pharmaceutical Sciences, S. Jongrungruangchok, N. Pradubyat, T. Songsak, F. Jarintanun and M. Wall.

Celebrating healthier lifestyles with Blue Zones

by YuShuan Huang

Blue Zones Project advisory committee members of the Daniel K. Inouye College of Pharmacy were invited to the Blue Zones Project holiday celebration for East Hawai'i in early December. Our chapter was formally recognized by the group for all of the work we have done in recent years.

The celebration included holiday music, hula performances, health and wellness activities, Christmas photo booths, plant-based pupu samples and gardening giveaways. Our students shared educational display boards about herbal medicines, vaccinations, sports nutrition, poison control and the Blue Zones Project.

Our chapter plans to continue partnering with the East Hawai'i group in promoting initiatives to help support our students and the Hilo community in creating healthier lifestyles.



Mindfulness meditation helps reduce stress

The Blue Zones Project Huli Li'i committee has the goal of trying to inspire students and community members to introduce small changes (Huli Li'i) into their lives to improve their overall health and well-being.

To that end, we've had a busy Fall, conducting several events, including a Mindfulness Meditation session led by the University of Hawai'i's School of Medicine (Department of Surgery and Integrative Medicine) radiation oncologist Dr. Thanh V. Huynh and his wife Xuan. Students and faculty participated in the session to learn how to reduce stress with 15 minutes of quiet, mindful, self-meditation. Dr. Huynh has studied and practiced mindfulness meditation, also known as vipassanā, since 1984, and has been conducting regular meditation sessions for prison inmates, as well as creating free introductory classes online.

Another series of events geared towards the Blue Zones Project initiative were weekly Power Hour sessions for a month. Held every Thursday, the sessions showcased simple activities students and faculty could try to practice Huli Li'i. Activities revolved around the Power of 9: move naturally, purpose, down shift, 80% rule, plant slat, wine at 5, right tribe, family first and belong.

The committee also makes it a priority to promote the different powers through events and other forms of communication. Each month it sends



out short articles describing the power of the month, along with recipes, easy-to-do activities, community service opportunities and other announcements about things to promote awareness and healthy living.

KTA-sponsored health fairs offer chances for service learning

by Josephine McDonald

As the Daniel K. Inouye College of Pharmacy's first and largest professional organization, the American Pharmacists Association – Academy of Student Pharmacists (APhA-ASP) used a series of health fairs last Fall to practice their group's mission of providing opportunities for professional growth, improving patient care and advancing the pharmacy profession. The health fairs were organized in collaboration with KTA Pharmacy, an independent community pharmacy with locations around the Big Island.

KTA Pharmacy held several flu shot clinics throughout the Fall at various institutions and community events, including at Big Island Toyota, Hawaiian Electric Company, KTA Puainako location, the Akamai Living Health Fair, E.B. deSilva Elementary School, Hilo Intermediate School, Waiakea Intermediate School, Keaau Elementary School and the Daniel K. Inouye College of Pharmacy campus. Members of APhA-ASP attended these flu clinics to provide several services, working under the supervision of a licensed pharmacist from KTA Pharmacy.

One of the services our students offered was screening and interviewing patients about alcohol and substance-abuse risks, using the Screening, Brief Interventions and Referral to Treatment model. The SBIRT model is an evidence-based practice that is used to identify, reduce and prevent problematic use, abuse and dependence on alcohol and illicit drugs.

Additionally, our student pharmacists provided



screenings for patients who were prediabetic or diagnosed with Type 2 diabetes. Once students identified prediabetic or diabetic patients, they referred them to enrollment in a diabetes prevention program or a diabetes self-management education program, which are coordinated by pharmacists and pharmacy technicians at KTA. Both programs provide patients with the resources and education to implement a healthy lifestyle and to control their blood sugar beyond medications.

Student pharmacists also provided physical blood pressure screenings, providing patients who don't usually see a doctor or who do not regularly take their blood pressure at home with that convenient check. Those with abnormal readings were encouraged to make an appointment with their local physician.

Participation in these events gave APhA-ASP members opportunities to practice their interpersonal and communications skills through counseling, network with some of the most established pharmacists in the state of Hawai'i, and make a positive impact within the Hilo community by spreading awareness of important health issues.

UH Hilo Fitness Fair draws students

The 5th annual Fitness Day Fair was held in the University of Hawai'i at Hilo Student Life Center last October, and was organized by members of the DKICP chapter of APhA-ASP. The event included meditation activities, free chair massages, free food samples by local restaurants and self-defense demonstrations.

Student pharmacists took part in administering flu vaccinations, conducting free health screenings and presenting educational poster boards on topics including diabetes and hypertension. Students also advocated the therapeutic role of lifestyle modifications such as health diets and regular exercise.



Student pharmacists working at the recent UH Hilo Fitness Day Fair included Ashley Fukuchi, Liana Ang, Nina Cardoza, Roanne Deabler, Earl Jon Emboltura.



Attending the proclamation signing for American Pharmacists Month were Yun Soo Park, Alan Trinh, Karen Pae, Mayor Harry Kim, Dean Carolyn Ma, Kristi Ann Zane and Angelyn Park.

DKICP student pharmacists meet with Mayor Kim

by Angelyn Park

In October 2019, DKICP students and Dean Ma met with Hawai'i County Mayor Harry Kim, who signed a proclamation declaring October as American Pharmacists Month and encouraged residents to show appreciation to local pharmacists for their work and dedication to their communities.

The mayor and students discussed the key role of pharmacists in advancing health care in our communities, and Kim emphasized how important it is for students to remember why they started their educational journey. Students voiced their opinions about the current healthcare issues many people are facing, and also gained insights into how they can become better pharmacists.

Students network at ASHP Midyear Meeting

by Karen Pae

Career development and leadership training were the focuses of the recent Midyear Regional Meeting of the American Pharmacists Association – Academy of Student Pharmacists (APhA-ASP). More than 150 student pharmacists from Hawai'i, California, Nevada, Arizona, New Mexico and Colorado attended the three-day event held in Las Vegas, Nev.

Prior to attending the meeting, each student chapter was asked to formulate a resolution proposal to further develop and advance the field of pharmacy. Students from the DKICP chapter presented their proposals to grant pharmacists the prescriptive authority to administer and assess nasopharyngeal swabs for influenza along with the capability to prescribe oseltamivir (Tamiflu) or zanamivir (Relenza) if test results are positive.

The proposed resolution was passed at the regional meeting and will be discussed by the APhA-ASP national resolutions committee and potentially presented at the national annual meeting to be held in



National Harbor, Maryland, in March.

The Las Vegas meeting was a great opportunity to meet other student pharmacists from other states and to network with residency directors and employers, participate in the policy development process, and attend leadership and professional development sessions.

Annual health fair connects students with community

DKICP students organized and presented the 11th Annual Health Fair last October at the Prince Kuhio Plaza in Hilo. The college's largest community outreach event, the fair is open to the public, featuring educational healthcare booths and health screenings, including blood pressure, blood sugar and body mass index (BMI) tests. Vaccinations provided by CVS Pharmacy were also available.

The health fair has grown throughout its 11-year history, thanks to the support and sponsorship of many local businesses, including HMSA, Hilo Hawaiian Hotel, Big Island Candies, Grand Naniloa Hotel, Target, Walmart, Safeway, Starbucks, Island Naturals, IHOP, Airgas Gaspro, Zippy's, Wiki Fresh, KTA, Chromagraphx and VH07V.

This year's booths, featuring community organizations, live demonstrations and entertainment, were spread throughout the mall. For the second year, a Keiki Korner was very popular and allowed children to learn how to "compound" silly putty and ice cream, and make their own Cartesian Diver, which demonstrated the principle of buoyancy.

Practicing clinical skills

"The fair provides an opportunity for students to practice their clinical skills while benefitting the



community at the same time," says Jessica Song (Class of 2022). "We look forward to it every year!"

DKICP health screeners provided BMI, blood pressure, blood glucose, asthma/COPD, and lifestyle/diet modification counseling to 146 community members. Over 200 people received and completed activity passports that allowed them to be eligible for drawings and raffles. More than 40 gift cards donated by local businesses were given away to participants. Gift card values ranged from \$5 to \$100, with the grand prize winners treated to a two-night stay with daily breakfast at the Grand Naniloa and Hula Hulas restaurant, in addition to a buffet dinner for two at the Hilo Hawaiian Hotel.

In addition, CVS provided about 70 influenza and pneumonia vaccinations that DKICP students administered.

Organizations who participated with booths included Hawai'i Islands AIDS/HIV Foundation, Hawaii Behavioral Health, HMSA, United Healthcare, Alzheimer's Association, UHH Doctor of Nursing Practice Program, Hilo Medical Center Foundation, HOPE Services Hawaii, Big Brothers Big Sisters, American Cancer Society, AlohaCare, MedQUEST, Ohana Health Plan, Hawaii Island Diabetes Education, Hui Mālama Ola Nā 'Ōiwi, Be the Match Registry, Senior and Medicare Patrol Hawaii.

A year of planning

The DKICP Health Fair Committee consisted of eight committees: advertisement, community outreach, educational boards, entertainment, fundraising, health screenings, logistics, and historian, and was overseen by



Chair Sean Domingo (Class of 2021).

“Planning for the 11th Annual Health Fair started right after the 10th one finished,” he says. “The committee and I met monthly and then every two weeks leading up to the health fair so seeing all of our work come together and become reality felt great. I was really appreciative of my committee and I am proud of all of their hard work. This is DKICP’s largest event of the year and I had hoped to live up to the community’s expectations and now that it is over I feel that we exceeded them.”

Student pharmacists prepared for the health fair by holding a mock fair on DKICP campus, led by Shane Naeole (Class of 2021). They presented educational boards as well as practiced how to interact with community members to relay accurate information about

their topic for the actual health fair.

The health fair is important to the community, adds third-year student pharmacist and logistics co-chair Karmen Wong. “As student pharmacists, we act as one of the most accessible healthcare providers available to community members. With this responsibility on our shoulders, it is appropriate and crucial that we hold this event for the community. The health fair is not just about screenings or how we can teach individuals via educational boards but about facilitating the relationship between Big Island residents, our college and the pharmacy profession.”

Follow the DKICP Health Fair on Facebook @ DKICPhealthfair, and visit their new website online at hilohealthfair.wixsite.com/dkicp-healthfair



A dedicated group of DKICP student pharmacists worked hard to make the 11th Annual Health Fair a success.



Journal clubs provide presentation practice

by Qixin (Sandy) Li

To help students develop skills to prepare future presentations for IPPE, APC and APPE, the DKICP chapter of Rho Chi hosted three journal clubs over the semester. These gatherings provided members with additional practice in analyzing evidence-based articles and making clinical recommendations based upon the evidence.

Journal clubs were in “grazing” format, where student presenters were able to choose the topics that interested them, such as diabetes, chronic obstructive pulmonary disease and acute coronary syndrome. We invited faculty members to attend the

journal clubs, ask practical questions, guide students’ critical thinking and help initiate discussions on diseases covered.

There were two presentations per journal club section, and each group had 15 minutes to present, followed by eight minutes of question and answer time. Through each journal club section, both presenters and attendees were able to develop a feel for the type of practical questions or scenarios that may occur in real practice and all benefited from disease topic presentation and discussion.



What is a fun way to study? Quiz Bowl

by Donald Waddell

To help prepare first-year students for upcoming exams, Rho Chi hosted quiz bowls and review sessions, both independently and collaboratively with Phi Delta Chi. The subjects ranged from self-care to drug action and were formatted in “Jeopardy” style to increase participation and help with recall.

Rho Chi members and Quiz Bowl committee co-chairs Jake Hctor and Jaymee-Rae Pang worked directly with faculty to develop the training material

for the session to ensure that students could gain the most benefit. During our self-care exam I quiz bowl, students were divided into teams and tested on a variety of pharmacy topics. After an intense round of “Final Jeopardy,” the winning teams were crowned. Truly though, everyone in attendance made the active effort to put the time in to attend and study, making everyone a winner in the end.

Interviews help prepare pre-pharmacy students

by Joyce Huang

To kick start a path to a future career in pharmacy for aspiring pre-pharmacy students, Rho Chi hosted a mock interview workshop on September 15, 2019. Ten students participated in the workshop, treating the experience like an actual pharmacy school interview. All were dressed professionally and ready to impress the interviewers.

The workshop started with a brief introduction on how to prepare for a pharmacy school interview and what to expect on the day of the interview at the Daniel K. Inouye College of Pharmacy. Students were then divided into four interview rooms and went through individual interviews with Rho Chi student interviewers. Afterward, each student received constructive feedback on what they did well and what they could improve on to better prepare them for the actual interview day.

Pre-pharmacy students said the workshop was very helpful and they appreciate the chance to practice and perfect their interview skills.



Brushing up on SOAP

by J.M. Kimham

In partnership with the Hawaii Student Society of Health Systems Pharmacy, Rho Chi held informal and formal SOAP sessions last semester. The purpose was to give students an introduction to clinical SOAP notes and an opportunity to practice their skills.

At the informal SOAP session, participants were given two cases on heart failure with reduced

ejection fraction and community acquired pneumonia. The chairs guided them through the process of reading through guidelines and breaking the cases into the respective subjective, objective, assessment, and plan categories through a question-and-answer style game with prizes. Both the chairs and participants had a great time. The competition got very fierce for candy prizes!

After the informal SOAP, two teams of volunteers were given a week to prepare and present their SOAP cases to an alumni preceptor at the formal SOAP. It was a great experience.





Competition sharpens clinical skills

by Alan Trinh

On October 5th, 2019, the Hawaii Student Society of Health Systems Pharmacy hosted their annual ASHP Local Clinical Skills Competition with nine teams competing on the Big Island and O’ahu. The winners of the local competition earned a free registration to represent the Daniel K. Inouye College of Pharmacy at the 2019 ASHP Midyear Clinical Meeting in Las Vegas, Nevada, December 7-8, 2019.

After hours of working up a patient’s specific case and presenting it to guest judges, 4th-year student

pharmacists Kathleen Nguyen and Shaina Saiki, competing from O’ahu, were selected as the representatives for our college of pharmacy. Thanks go to Dr. Bryce Fukunaga, Dr. Aryn Meguro and Dr. Patrick Uyemoto for taking time out of their weekend to help judge the competition. Special thanks go to Brittany Luna, Sandy Li, Ms. Patricia Juszczak, and IT staff for working on the behind-the-scenes logistics and communicating with judges, preceptors, and student teams.

Students help with Ladies Night Out and 5K Color Run

Every year, the Hawaii Student Society of Health Systems Pharmacy and Academy of Managed Care Pharmacy (HSSHP and AMCP) give back to the community through a diabetes screening events. At the beginning of the school year, members were at the Edith Kanaka’ole Tennis Stadium to help with



Hui Malama’s annual Ladies Night Out. The event is intended to offer women on the Big Island the opportunity to enjoy a night of pampering and relaxation while getting educated



Pharmacy students conduct free blood glucose screenings for runners participating in the American Cancer Society’s 5K Color Run.

on ways to better their health.

Later in the year, HSSHP and AMCP collaborated with Kappa Psi Pharmaceutical Fraternity Inc. on diabetes screening with the local American Cancer Society chapter at their annual 5K Color Run event. Overall this semester, members screened over 200 patients at our community outreach events.

Experts share ins and outs of running an independent pharmacy

by Kevin Lee

With the increasing saturation within the pharmacy profession, pharmacy students are looking for ways to differentiate themselves. One option is to consider building their own pharmacies. The National Community Pharmacists Association (NCPA), is an organization that provides student members access to compounding events, compounding training and the knowledge of guest speakers.

This year, NCPA invited independent pharmacy owner Kevin Glick and representatives from McKesson to educate our members on independent pharmacy startups. At these presentations, members were able to get a glimpse of what it took to open their own independent pharmacies, the advantages and disadvantages of running your own business and the resources that are available to help with a startup. The event was a great opportunity for student pharmacists to learn about the various options available after graduation and to learn first-hand from successful independent pharmacy owners.



Kevin Glick RPh (center) visited with DKICP students about what it takes to start and run an independent pharmacy.



Dallas Nakashima, account manager with McKesson, and Mark DeWoskin, PharmD., MS, shared some insights into resources available to help start an independent pharmacy.

Learning about a culture, teaching about health

Each summer, the Pu'ukohola Heiau National Historic Site, near Kawaihae Harbor on the north side of the Big Island, is the backdrop for the opening of the Ho'oku'ikahi Establishment Day Hawaiian Cultural Festival. The two-day event begins with a battle reenactment, followed by craft workshops on ancient lei making, quilting and weaving, along with canoe rides, and plenty of local music and food. For several years, DKICP students have participated in the event and offered health screenings for local residents. Here, three students share their impressions of the unique cultural experience.

by Jessica Song

Every August, the Pacific Islander Mobile Screening Clinic (PIMSC) attends the Ho'oku'ikahi I Pu'ukohola two-day event in Waimea, on the Big Island of Hawai'i, providing health screenings and presenting educational information to Native Hawaiian residents.

This past year, students were up at the crack of dawn, donning kihei they created themselves and immersing themselves in activities held at a heiau, which is sacred to Native Hawaiians. After the cultural experience, students provided health screenings, such as blood pressure, blood glucose readings, and BMI, to the public. Educational information on drug safety, smoking cessation, and diet and exercise were also presented.

Students from the John A. Burns School of Medicine at the University of Hawai'i at Mānoa, and Chaminade School of Nursing on O'ahu also participated. This was a very memorable experience for all students and faculty who attended.

by Yan Yee Ho

Ho'oku'ikahi I Pu'ukohola Heiau was an enriching weekend filled with eye-opening cultural experiences, which broadened my knowledge of working with patients from different backgrounds. I was captivated by the ceremonies because they showed the strong bonds this Native Hawaiian community has with their people and their land.

Hawaiian language and history courses were required from my elementary school through undergraduate university study. However, I have never been immersed in the culture, so this was an amazing chance to observe and participate in the culture outside of a textbook. The most memorable part of the screening portion of the event was learning to adjust the way we counsel Native Hawaiians about healthy diets because their diets consist of different foods, such as taro or breadfruit,



PIMSC students talk with local children about healthy eating and exercise.



Student pharmacists visit with native Hawaiian residents about their screening results.

which aren't part of a typical American diet.

As future pharmacists, we need to keep an open mind to educate and cultivate relationships with patients of diverse backgrounds. I thought we would only provide health screenings and counseling to participants at the event, but in the end, the participants gifted us with valuable knowledge and unforgettable experiences. I am grateful to have participated at Pu'ukohola and will cherish the lessons I have learned!



Pictured in their kihei are PIMSC members Kimberly Lin, Kara Tsuzaki, Earl Emboltura, Destinee Ogas and Jenny Phong.



Wearing kihei they created for themselves, PIMSC students gather for events at the Puukohola Heiau, near Kawaihae Harbor on the northern side of the Big Island.

by Tiffany Lam

Taking part in the Pu'ukohola immersed me in the Hawaiian culture, allowing me to take part in their rituals and traditions. Although many of us were not Hawaiian, we were all welcomed with open arms and made to feel like family during the entirety of our stay.

Besides taking part in the Hawaiian culture, the other purpose of the event was to provide health

screenings for the native Hawaiians, since many of those who attended rely heavily on this event for their annual health checkups. I felt grateful for this opportunity to give back to the community, especially to a community that didn't readily have access to health care.

The event gave me a deeper insight into Hawaiian culture, as well as an opportunity to contribute to the community. I look forward to participating in this event again next year!

Putting classroom skills to work

by Kendrick Dalmacio

At last fall's Walk to End Alzheimer's, held in Hilo, student members of the Pacific Island Mobile Screening Clinic (PIMSC) were on hand to provide health screening for walk participants. I signed up for the first early morning shift and caught a ride with my pharmacy school mentor Kimo, who gave me some extra advice for screening patients.

Before the event, I made sure to get extra blood glucose screening practice because this was my first time checking blood glucose levels from people in the community. A few days before the event, we had been graded on proper blood glucose screening in our Introductory Pharmacy Practice Experientials class.

The event allowed me to practice counseling members of the community about proper diet, exercise, and medication adherence. I was nervous in the beginning but the more I screened patients the easier it became. I'm thankful for the opportunity to practice screening through PIMSC and will definitely participate in more community outreach events.





Annual Miloli'i gathering celebrates better health

by Trent Furuta

Miloli'i Lā 'Ohana is an outreach screening event planned and hosted each year by the DKICP chapter of Phi Delta Chi. This tradition was started with the help of the late state Senator Gil Kahele, who recognized the need for healthcare outreach to rural parts of the Big Island, including the secluded fishing village of Miloli'i, his childhood home. An early supporter of the college, Senator Kahele was instrumental in helping to secure funding for the new DKICP building.



The residents of Miloli'i welcomed our group as if we were family. They helped to organize a community event that included local crafts, live music, games and prizes, and an area for our fraternity to hold screenings, an activity for the kids, and education boards.

Student pharmacists conducted screenings of blood glucose, BMI, blood pressure, and ASCVD risk score, as well as providing consultations. Our students also set up educational displays about diabetes, hypertension, exercise and diet strategies, including the diabetic plate method and DASH diet.

Sharing holiday cheer with kids in other countries

Operation Christmas Child is a community service project that members of Phi Delta Chi are grateful to be a part of. This event allows pharmacy students to organize a festive get-together to dress up, sing Christmas carols and wrap presents to be donated for distribution on Christmas Day to kids in third-world countries. The presents included school supplies, toys, clothing, hygiene products and Christmas cards.





Dean Carolyn Ma talked to Phi Lambda Sigma members about her own career path.

Symposium aims to promote pharmacy leadership

by Kimberly Lin

Phi Lambda Sigma (PLS) Leadership Society hosted its annual Fall Leadership Symposium on Saturday, November 16th, 2019. The PLS Delta Lambda Chapter aimed to utilize the symposium to promote and encourage leadership development among current and prospective pharmacy students.

The five-hour event featured four guest speakers who are leaders in the community and who shared knowledge and expertise in their respective fields:

- Dr. Carolyn Ma, dean of the Daniel K. Inouye College of Pharmacy (DKICP), was the opening keynote speaker and shared her story of becoming a leader in the field of pharmacy.
- Dr. Forrest Batz, a former professor of DKICP, shared his unique, unconventional pathway to becoming a Consulting Pharmacist of Natural Medicines.
- Dr. Randy Hirokawa, professor of communication at the University of Hawai'i at Hilo (UHH), presented the eight lessons for effective communication pertinent to a career in pharmacy.
- Dr. Terrance Jalbert, professor of finance at UHH, spoke about financial planning and loan repayment both during and after pharmacy school.



In addition, several PLS members presented tips and tricks on public speaking to help students overcome the fear of speaking in front of large crowds.

This event marked the second time PLS symposium organizers invited pre-pharmacy students to attend the symposium. PLS members hope to continue collaborating and interacting with faculty and students from other colleges on the UHH campus.

Champions of Pharmacy

For their roles in shepherding the construction of the college's new home, Alex Viernes and Dave Haraguchi have been named Champions of Pharmacy for Winter 2020.

The completion of the new building housing the Daniel K. Inouye College of Pharmacy at the end of 2019 was cause for celebration. Two men were particularly proud of the unique structure and were integrally involved and personally invested in the building process.

As project engineer and vice president of Hilo operations for Isemoto Construction, Dave Haraguchi was there when land was cleared and dedicated more than three years ago. He oversaw every stage of the building's construction and says it's the biggest building project his company has completed to date. "It's a nicely designed, very modern-looking building, with some unusual features. It was interesting

to work with new materials, including the exterior wall panels that came from a European manufacturer," he says. "The interior wall panels were made in Canada."

One of the building's unique structural features is its 14-inch-thick concrete walls. "That's very thick, by most building standards, and could easily withstand hurricane-force winds," he adds. "If there was a big storm coming, that's where I'd want to go."

A Hilo native, Haraguchi graduated from Waiākea High School, got a civil engineering degree from the University of Hawai'i at Mānoa. His first professional job was with Fletcher Pacific Construction Company on O'ahu, where he worked on construction of the Neiman Marcus store at Ala Moana Shopping Center.

But when the opportunity with Isemoto Construction came up in 1999, he was very happy to return to Hilo, on the Big Island. "It's a great place to live. I love to fish and it's a great place to raise a family."

Architect Alex Viernes is a project manager for the design firm WCIT Architecture, based in Honolulu, and became involved in the building project after the design stage. The O'ahu native says that, in



Dave Haraguchi (left) is vice president of Hilo operations for Isemoto Construction. Alex Viernes (right) is an architect and project manager with WCIT Architecture on O'ahu.

his youth, he liked to draw landscapes and scenery, which eventually led him to study architecture at the University of Hawai'i at Mānoa.

His first job was working for a home builder on O'ahu, where he says he learned a lot. After several years, the opportunity to travel and work abroad drew him to his next job with the firm WATG, where he managed hotel and retail construction projects in China, as well as a variety of business and municipal projects around the state. Locally, he was also involved with construction of Hale 'Ōlelo, the new home of the University of Hawai'i at Hilo Ka Haka 'Ula O Ke'elikolani, College of Hawaiian Language, several years ago.

"The pharmacy college project was fun because the history of the land, both on this island and this specific site, played an important role in the initial design of the building," he says. "The history and culture of Hilo is also very much a part of this building."

"Working with such a dedicated group of people, including everyone at the College of Pharmacy, as well as with Dave and the crew at Isemoto, made this a very special project," adds Viernes. "I always learn a lot about the clients and their work. Here, I got to learn about pharmacy and what it takes to educate today's pharmacists."



Fall 2019 Dean's List

The following student 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 Fall semester.

Class of 2021

Emmanuel Anozie
Trang Bui
Aileen Bulatao
Jessica Cadiz
Brandon Chagami
Sean Domingo
Angina El
Brooke Higa
Taylor Hiraga
Jake Hoctor
Feng Ming Huang
Patsylynn Jetley
Melody Keshavarz
John-Michael Kimhan
Da Hai Lee
Kevin Lee
QiXin Li
Kimberly Lin
Noelle Lovesy
Brittany Luna
Christian Macaspac
Jiyoung Min
Shane-Earl Naeole
Lan Thi Hoang Nguyen
Rebecca Oshiro
Calvin Ostler
Karen Pae
Jaymee-Rae Pang
Elaine Phan
Henry Quach
Tiana Ramos
Norlyn Ranchez
Habibo Salad
Sera Shimizu
Maysyvelle Sistoza
Johnson Siu
Deena Tanimoto
Donald Waddell

Class of 2022

Germain Atmospera
Caroline Boule
Bryson Cadiz
Matthew-Allen Clemente
Roanne Deabler
Tran Dinh
Tara-Ann Dumlao
Kazumi Fujitani
Ashley Fukuchi
Trent Furuta
Laura Hardaway
Leia Hasegawa
Yan Yee Ho
Viky Huang
Thien Huynh
Christopher Kaneko
Jane Lakritz
Zhian Lin
Kyle Nakagawa
Danh-Ronald Nguyen
Angelyn Park
Yun Soo Park
Brian Petrone
Jenny Phong
Cody Porter
Melanie Sacro
Kara Tsuzaki
Shumin Wu

Class of 2023

Kateleen Caye Bio
Tu Le
Hyeji Lee
Kathleen Millard
Stephanie Mojumdar
Selena Joy Morita
Steve Moua
Matthew Neumann
Kalen Niimi
GaYeon Wang
Rosalie White
Sung Mi Yoon



NAME A BRICK, INSPIRE A LEGACY

The Legacy Path provides alumni, family and friends of the The Daniel K. Inouye College of Pharmacy the chance to show their support for the college and the pharmacy profession.

When you buy an inscribed brick on the DKICP Legacy Path, which leads up to the main entrance of our new home, you establish a permanent link to the history of the college. And you pave the way for future generations to remember it. Show your UH pride or make a lasting tribute to a loved one today, and leave a legacy for tomorrow.

- The Legacy Path is located at the UH Hilo Daniel K. Inouye College of Pharmacy, and begins at the entry garden and extends up the walkway to the main entrance.
- Bricks are installed in Spring and Fall. We will let you know when your brick is installed.
- Each rust-hued brick is approximately 4½ by 9 inches.
- Inscriptions can be up to 3 lines of 16 characters/spaces per line. (Include spaces and punctuation in the count.)
- Special requests will be accommodated if possible. Submit orders together for adjacent bricks.
- Participation is open to all alumni, parents, friends and supporters.
- The full amount of your gift is tax deductible.



I want to be part of the DKICP Legacy

Please reserve my brick in the:

- Kawili La'au Kipuka: \$500 per brick
- Oath of a Pharmacist Path: \$750 per brick
- DKICP Gateway: \$1000 per brick
- Alumni & 'Ohana Legacy Circle: \$1500 per brick

Purchaser: _____

Alumni Class Year if applicable: _____

- Friends & Family
- Other

Phone: _____

Address: _____

Email: _____

Inscription: 3 lines, 16 characters each (including spaces and punctuation)



To reserve multiple bricks, please submit forms together.

Payment Information

- Check/Money Order
(payable to UH Foundation. Add "DKICP Legacy Path" on bottom of check.)

For credit card payments visit
<https://online.uhfoundation.org/memberships/UHHLegacyPath.aspx>
 or submit payment with form to:



DKICP Legacy Path
Attn: Nadine Hara
200 W. Kawili Street
Hilo, Hawai'i 96720

Kāwili Lā'au

The Daniel K. Inouye College of Pharmacy
University of Hawai'i at Hilo
200 W. Kāwili St.
Hilo, HI 96720

Nonprofit Organization
U.S. Postage PAID
Hilo, HI
Permit No. 20

With sleek décor and plenty of seating, the new student study room is one of several areas designed to make everyone feel at home in Kīho'īho'ī, the new home of the Daniel K. Inouye College of Pharmacy. See and read more about the new structure and its official dedication inside this issue.

