

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 2022 • Volume 14, Issue 2

Students and faculty
garner awards

Congratulations
Class of 2022!

► PG. 8-9



DANIEL K. INOUE COLLEGE OF PHARMACY
UNIVERSITY OF HAWAII AT HILO

Careers beyond traditional paths



UNIVERSITY
of HAWAII
HILO

Dean's Message



Showing perseverance and purpose through another impactful year

Welcome to the Summer 2022 edition of DKICP's Kāwili Lā'au. We're so happy to be reconnecting with you again. Despite the pandemic and uncertain times throughout academic year 2021-22, we persevered and excelled. As you will read in this edition, college faculty, staff, students, and alumni demonstrated a strength of purpose, resilience, creativity, and initiative that enabled us to fully achieve our mission during a very impactful year.

With the Class of 2022 graduating to represent us well in the profession, preparations for the matriculation of the Class of 2026 well underway, expanding faculty research and service endeavors, and ever-increasing recognition for our student pharmacists engaged in residencies and other endeavors (among other successes), the future could not be brighter for the College.

This edition of Kāwili Lā'au includes first-person accounts of the College's academic, scholarly, professional and community service efforts during the COVID-19 pandemic. These thought-provoking articles remind us of how important it has been for us to put our students, patients, and communities first in our endeavors. May our stories encourage you...our service inspire you...and our successes strengthen your continued support.

As you read this magazine, please join me in congratulating the entire college community on providing leadership and sustained contributions – through the important work of discovery, teaching, learning and providing care – that are shaping the future of tomorrow's healthcare every day.

On a personal note, I am honored to serve as the College's Interim Dean. This opportunity to serve at the helm of a wonderful and intellectually thriving organization continues to be very rewarding for me personally and professionally. I sincerely thank you for the opportunity.

Me ka mahalo nui,

Miriam A. Mobley Smith,

Pharm.D., FASHP
Interim Dean



Kāwili Lā'au

Summer 2022
Volume 14, Issue 2

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Hawai'i at Hilo



UNIVERSITY of HAWAII
HILO



Class of 2022 DKICP graduates gathered for an in-person ceremony at the Edith Kanaka'ole Stadium in Hilo.

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ON THE COVER: DKICP P3 students feel a bit more relaxed as they gather for a group photo after completing final exams in May.
(Photo by Tracey Niimi)

Careers beyond traditional paths

The work of these three DKICP alumni illustrates widening career opportunities for pharmacists.

For many student pharmacists, choosing to get a Pharm.D. degree is the first major career step. Figuring out what they want to do with it can be more challenging. While retail and hospital/clinic settings still provide the majority

of positions for pharmacists, there are a growing number of career paths that extend from that work or take a different turn, altogether.

These three alumni of the Daniel K. Inouye College of Pharmacy offer examples of other expanding op-

portunities to apply clinical, leadership and problem-solving skills developed in today's pharmacy degree programs.



AKIO YANAGISAWA PHARM.D., CPH
Information technology analyst pharmacist
The Queen's Health System

Find your interests, forge connections

After eight years of information technologies work in New York's fashion industry, Akio Yanagisawa was ready for a change – in work and setting. A move to Hawaii and acceptance into the Pharm.D. program at DKICP provided plenty of change. And while he fully embraced his studies and a future career in healthcare, his interest in information technologies never really dimmed.

While on a P4 rotation at The Queen's Medical Center in Honolulu, he reached out to the phar-

macy information management staff and was able to do a mini rotation with them, as well. "Up until then, I was feeling a little unsure about my career options, thinking it was either retail or hospital/clinic work. But when I saw all of the opportunities there were to work in information management while using my pharmacy knowledge, I knew that's what I really wanted to do."

His career passion was obvious to his mentors, who hired him after he graduated from DKICP in 2015. Now he is part of a team that oversees the management of medication orders as part of the electronic medical records system for The Queen's Health System, which includes four hospitals and 70 health-care centers and labs around the state of Hawaii.

"We work with the computer systems that help pharmacists decide which products to dispense, how those products can be used, monitor inventories and the technologies available to administer medications," he says.

For example, Yanagisawa implemented the use of small cameras mounted in IV hoods to allow pharmacists to monitor how IV admixtures are created and as a backup for pharmacy technicians.

"What makes my work so interesting from day to day is the investigation and problem solving it involves," he says. "It also requires having a global view of The Queen's Health System, and thinking about big-picture issues in pharmacy management."

"My work is really the best combination of both technology and pharmacy worlds for me," he says. "It seems that things just fell into place for me, career-wise, and they kind of did. But it's also because I knew what I wanted and made an effort to build important relationships with people who were doing what I wanted to do."



CHRISTOPHER KAMEI
PHARM.D.

Supervisor of clinical services
CVS Caremark

From intern to supervisor in PBM

For Christopher Kamei, getting hands-on experience was an important part of choosing a career path. When entering college at the University of Hawai'i at Mānoa, he considered many fields in medicine. Volunteering at a local hospital taught him a lot, including that the work environment was probably not

what he wanted and that pharmacy peaked his interest as a career.

Always eager to be applying what he was learning, Kamei got an internship at CVS Health Longs while in pharmacy college at UH Hilo and was offered a retail pharmacy position with the company on Oahu after graduation in 2013. "I started as a staff pharmacist and did just about every job there is in the retail setting, including, eventually, district leader."

When a clinical services position opened up at CVS Caremark last year, it seemed like a logical next step, he says. "It allowed me to still use my clinical skills but to learn more about another segment of the industry. All along my career path, CVS Health has been supportive and helped me grow, professionally."

As a pharmacy benefits manager (PBM), CVS Caremark works with businesses, unions and government programs to ensure that members get medicines they need at the lowest possible cost. "The primary roles of a PBM are to negotiate with

big drug companies to save patients money; to encourage the use of generics; and to use new tools that help bring escalating drug prices under control," he explains.

Just over one year ago, Kamei accepted a supervisor role for the company, managing a team of pharmacists and technicians in Hawaii and on the continent. "We work with commercial and government insurance programs, reviewing common and specialty medications."

His team works from home, which can present certain challenges, he says. "It makes effective communication really important to daily interactions, especially when you don't have in-person cues to help you. An upside is being able to work from the safety and comfort of your home and, for some people, that's a huge benefit."

He says one outcome of the pandemic is it has pushed businesses and institutions to leverage their digital resources. "We've all had to become more technically savvy, and that's going to be a benefit in the future."



GARRET HINO JR.
PHARM.D., BCIDP

State of Hawaii Department
of Health

Paving a new path

This year, DKICP alum Garret Hino Jr. started a new position at the State of Hawaii Department of Health (DOH), working on antimicrobial stewardship. It's not just a new job for him; it's new for the DOH, as well.

"I'm part of a DOH team working to establish a relationship with the staffs at long-term care facilities and acute-care hospitals around the state," he says. "Our goals are to optimize antimicrobial stewardship practices through increasing awareness and education on multi-drug resistant organisms, providing management strategies, and reducing the development of antimicrobial resistance that can occur from inappropriate antibiotic use."

Experiencing the COVID-19 pandemic clarified the importance of strengthening DOH capacity to address emerging infectious diseases, explains Epidemiologist Enid Vélez-Valle, who works in the DOH Disease Outbreak Control Division. "Our focus is to prioritize patient safety and quality improvement through direct engagement with

Hawaii's healthcare facilities, such as acute-care hospitals and skilled nursing facilities. Dr. Hino was brought on board to assess current areas of need in the healthcare setting. He comes to us with great expertise."

Hino completed a B.S. in Biology at UH Hilo, graduated from DKICP in 2018, was selected for a PGY-1 residency at the college, and then went on to complete a two-year infectious disease fellowship at Loma Linda University Medical Center in California in 2021. He is one of only two board-certified infectious disease pharmacists in the state.

"This position represents a significant step forward in the expansion of pharmacist roles in public health in Hawaii," says Dr. Roy Goo, Pharm.D., associate professor. "Dr. Hino's selection brings great credit to himself and the College."

Great results from 2022 Residency Matches

March means “match madness” for pharmacy students, and this year’s matches stretched into April, with Round 1 and 2 results producing a strong showing. The DKICP overall match rate was 58% for PGY1 applicants and 100% for PGY2 applicants.

“These impressive results demonstrate the highest quality of these students’ academics, service and scholarship over their four-year career here,” says Interim Dean Miriam Mobley Smith. “On behalf of the DKICP faculty and staff, we congratulate them all. We are extremely proud of their accomplishments.”

ROUND 1 MATCHES



Emmanuel Anozie
Good Samaritan Regional Medical Center, *Corvallis, OR*



Paige Cajudoy
VA Southern Oregon Rehabilitation Center & Clinics, *White City, OR*



Roanne Deabler
VA Pacific Islands Health Care System, *Honolulu, HI*



Tiana Enos-Dano
Oregon Health & Science University, *Portland, OR (PGY1 & 2)*



Ashely Fukuchi
VA Loma Linda Healthcare System, *Loma Linda, CA*



Yan Yee Ho
MultiCare Auburn Medical Center, *Auburn, WA*



Raha Hosseini
Ochsner LSU Health Shreveport, *Shreveport, LA*



Tiffany Lam
Phoenix VA Health Care System, *Phoenix, AZ*



Danh Ronald Nguyen
Kaiser Foundation Health Plan - Hawaii, *Honolulu, HI*



Trisha Nobriga
Jonathan M. Wainwright Memorial VA Medical Center, *Walla Walla, WA*



Yun Soo Park
The Queen's Medical Center, *Honolulu, HI*



Patricia Stevens
VA Pacific Islands Health Care System, *Honolulu, HI*



Noelle Lovesy
Hennepin Healthcare, *Minneapolis, MN (PGY2)*

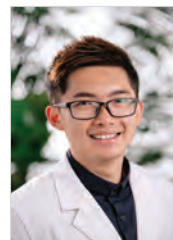


Christian Macaspac
VA Maryland Health Care System, *Baltimore, MD (PGY2)*

ROUND 2 MATCHES



Jordan Anderson
(PGY1), Kingman Medical Center, *Kingman, AZ*



Andy (Zhian) Lin
(PGY1), Kadlec Regional Medical Center, *Richmond, WA*



Josephine McDonald
(PGY2), Loma Linda University Medical Center, *Loma Linda, CA*

Hale Kiho‘iho‘i design wins award

Hale Kiho‘iho‘i, the new home of the Daniel K. Inouye College of Pharmacy (DKICP) at UH Hilo, recently received a 2022 Kukulu Hale Awards from NAIOP Hawaii. The award, which recognizes excellence in Hawaii’s commercial real estate industry, was given to Hale Kiho‘iho‘i in the public/government project category.

Completed in December 2019, the 45,000-square-foot, two-story structure houses lecture halls, pharmacy compounding laboratories, simulated pharmacy practice skills and dispensing labs, faculty and staff offices, and innovative meeting rooms and spaces for the college. Oahu-based firm WCIT Architecture incorporated Hawaiian culture and themes into the building’s modern design – from the undulating roof line that represents the goddess Pele and her land-shaping lava flows, to the interior floor-to-ceiling murals that depict the blending of traditional and contemporary healing practices. The building’s design also followed LEED principles that required environmentally friendly materials and building practices.

“With its wonderful open design, Hale Kiho‘iho‘i is a very welcoming place that provides so many great spaces for learning, research and educational collaboration,” said Dr. Miriam Mobley Smith, DKICP interim dean. “The structure also represents a significant commitment and investment by the State of Hawaii in the University and the education of healthcare professionals.”

Hilo-based Isemoto Contracting served as general contractor on the three-year building project, which is located above the main UH Hilo campus, and overlooks Hilo town and the bay.

The name Kiho‘iho‘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.



CONGRATULATIONS

CLASS OF 2022



Aloha graduates!

The return to an in-person graduation ceremony for all University of Hawaii at Hilo students gave this year's DKICP graduates something extra to celebrate. Seventy-four members of the Class of 2022 received their Pharm.D. degree in the hooding ceremonies held on Saturday, May 14, 2022, at the Edith Kanaka'ole Stadium in Hilo. This year's class valedictorian was Viky Huang. Two graduate students received a Ph.D. in Pharmaceutical Sciences in the hooding ceremony.

"We congratulate our 2022 graduates, who have been faced with many personal and academic challenges in their last few years here," said Interim Dean Miriam Mobley Smith. "We look forward to hearing about all they are destined to accomplish, and we wish them well in their dedication to making a difference in the lives of their patients, communities and society, as a whole."



▲ Graduate students John Jacob and KH Ahammad uz Zaman received a Ph.D. in Pharmaceutical Sciences in the hooding ceremony.

DOCTOR OF PHARMACY DEGREE RECIPIENTS

Brenna Alvarez
Tricia Amuimuia
Jordan Anderson
Liana Ang
Germain Atmospera
Kayla Bajo
Tyler Jo Branco-Hedke
Bryson Cadiz
LaTisha Cajudoy
Paige Cajudoy
Avery Callenback
Marie Cidera
Matthew Allen Clemente
Alysha Cosier-Yee
Elaine Cottom
Kendrick Justin Dalmacio
Eric Dau
Roanne Deabler
Mercedes Dennis Graves
Faye Victoria Diez
Tran Dinh
Lael Dobson
Tara-Ann Dumlao
Caroline DuMoulin
Tiana Enos-Dano
Raul Flores
Kazumi Fujitani
Ashley Fukuchi
Trent Furuta
Olivia Graham-McLennan
Larua Hardaway
Leia Hasegawa
Yan Yee Ho
Viky Huang
Brandi Hutchins
Thien Huynh
Katrina Jardine

Jacqueline Kahoekapu-Rufino
Christopher Kaneko
Minkyung Kim
Shawn Kolar
Cleighton Lagmay
Jane Lakritz
Tiffany Lam
Connie Le
Jeffrey Lee
Zhian (Andy) Lin
Nikko Marion Magtoto
Nina Manuel
Madalyn McCaulley
Wangui Mwaniki
Kyle Nakagawa
Kenzo Nakamura
Danh-Ronald Nguyen
Trisha Nobriga
Nadra Nour
Samantha Okubo
Angelyn Park
Yun Soo Park
Brian Petrone
Jenny Phong
Cody Porter
Donald Sachs
Melanie Sacro
Michael Angelo Sagun
Kellen Sakamoto
Jessica Song
Patricia Stevens
Bernadette Tabula
Lillian Tran
Kara Tsuzaki
Sabrina Uchino
Shumin (Rebecca) Wu
Kristi Ann Zane

DOCTOR OF PHARMACEUTICAL SCIENCES DEGREE RECIPIENTS

John Jacob

KH Ahammad uz Zaman



CELEBRATING ACHIEVEMENT

STUDENT AWARDS PRESENTED AT END-OF-YEAR GATHERING

Students, faculty and staff came together for this year's DKICP spring awards ceremony, held Wednesday, May 4th. Scholarships and awards were presented to 51 students. Also named were the 2022 Preceptor of the Year, Dr. Cory Lehano, owner of Mauiola Pharmacy, Wailuku, Maui; and the Faculty Preceptor of the Year, Dr. Aryn Meguro, assistant professor at DKICP.

This year's student awards and scholarship winners include:

PHARMACY CURRICULUM OUTCOMES ASSESSMENT HIGHEST ACHIEVEMENT:

Matthew Neumann had the highest score in the DKICP Class of 2023 and scored in the 92nd percentile, nationally.

USPHS EXCELLENCE IN PUBLIC HEALTH PHARMACY AWARD:

Alyson Soranaka

STUDENT ORGANIZATION OF THE YEAR:

Delta Lambda Chapter of Phi Lambda Sigma (pharmacy leadership society)

KAHELE STUDENT LEADER OF THE YEAR:

Rosalie White

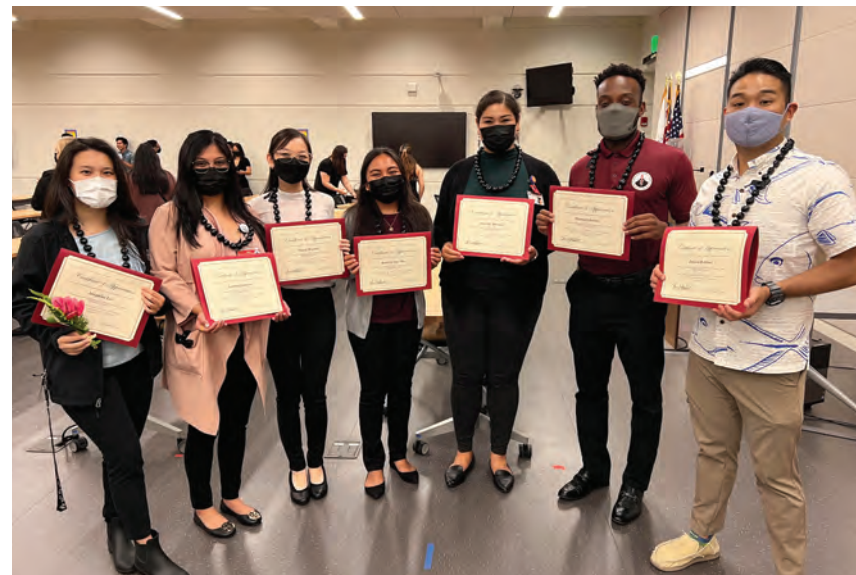
CLASS AMBASSADORS were recognized for all of their contributions in representing the school to prospective students and the community. Those students include:

Class of 2023: Kateleen Caye Bio, Analeslie Martinez, Daijiro Oshitari and Debra Towell

Class of 2024: Judhea Campollo, Ola Gbadebo, Josephine Lui and Megan Woolsey

UH HILO STUDENT ASSOCIATION SENATORS:

Roanne Deabler, graduate senator; and Nadra Nour, senator at large



▲ Some of this year's student awardees include, left to right: Josephine Lui, Judhea Campollo, Megan Woolsey, Kateleen Caye Bio, Analeslie Martinez, Ola Gbadebo, Daijiro Oshitari

STUDENT CHOICE AWARDS FOR TEACHING

Class of 2025:

Pharmaceutical Sciences: Dr. Dianqing Sun

Pharmacy Practice: Dr. Aryn Meguro and

Dr. Supakit Wongwiwatthananut

Class of 2024:

Pharmaceutical Sciences: Dr. Dianqing Sun

Pharmacy Practice: Dr. Bryce Fukunaga

Class of 2023:

Pharmaceutical Sciences: Dr. Shugeng Cao

Pharmacy Practice: Dr. Chad Kawakami

SCHOLARSHIPS

CVS HEALTH FOUNDATION PHARMACY SCHOOL SCHOLARSHIPS:

Crystal Beardsley and Sueun Suh

ELWIN & VALERIE GOO ENDOWED EXCELLENCE SCHOLARSHIP:

James Santoki and Kalen Niimi

GRACE MIZUKO MIYAWAKI PHARMACY SCHOLARSHIP:

Cierralyn Cabral

HAGA FAMILY ENDOWED SCHOLARSHIP:

Kiera Javillonar

HAWAII INDEPENDENT PHARMACIES, INC. ENDOWED EXCELLENCE

SCHOLARSHIPS: Rosalie White, Teva Kealoha Meyer,

Logan Acebo and Elyssa Ball

EDWIN AND GEORGIANA KAM ENDOWED EXCELLENCE

SCHOLARSHIP: Cierra Fujimoto

MOLOKAI DRUGS, INC. SCHOLARSHIPS:

Megan Woolsey and Alyssa Kam

MR. NAGAKATSU KUMAO OTSUKA AND DR. RAYMOND MASASHI

OTSUKA MEMORIAL SCHOLARSHIPS: Daijiro Oshitari

ALBERTSONS SAFEWAY PHARMACY SCHOLARSHIP:

Olatunji Gbadebo

WALGREENS DIVERSITY AND INCLUSION SCHOLARSHIP:

Crystal Cardoza

WALGREENS MULTILINGUAL SCHOLARSHIP:

Leila Chee

JOHN M. AND MIMI F. PEZZUTO EXCELLENCE SCHOLARSHIPS:

Matthew Neumann and Rosalie White



▲ Student Choice Awards for Teaching went to (from left) Dr. Shugeng Cao, Dr. Supakit Wongwiwatthananut, Dr. Miriam Mobley Smith, presenter; Dr. Dianqing Sun; Dr. Bryce Fukunaga; and Dr. Aryn Meguro.

DKICP MERIT SCHOLARSHIP AWARDS

Class of 2023:

Jasmin Curiel, Emily Tu Le, Kalen Niimi and Sung Mi Yoon

Class of 2024:

Carly Bell, Corey Duenas, Cheyenne Garretson, Molly Moran, Jeff Michael Regalaro and Daniella Wallace

Class of 2025:

Nohelis Agosto Vega, Vincent Tran, Cierra Fujimoto, Anaiz Ramirez, Alyssa Kam and Akiho Uno

UH HILO COLLEGE OF PHARMACY INAUGURAL CLASS OF 2011 SCHOLARSHIP:

Stephanie Mojumdar

UH HILO COLLEGE OF PHARMACY ALUMNI ASSOCIATION SCHOLARSHIPS:

Kallen Kobayashi and

Daniella Wallace

PRECEPTORS OF THE YEAR



FACULTY PRECEPTOR

ARYN MEGURO

Patient and approachable

Creating an interesting and comfortable learning environment is a fundamental teaching goal for Dr. Aryn Meguro, DKICP assistant professor in the Department of Pharmacy Practice. "Most students learn more when they aren't afraid to ask questions," she says. "I try to be approachable, in both the classroom and clinical settings, and work to guide students to finding answers."

The Hilo native completed her undergraduate work at UH Hilo, before being accepted to the Pharm.D. program at DKICP. After graduating in 2016, Dr. Meguro did a one-year residency at DKICP and Hawaii Pacific Health, before joining the DKICP faculty in 2017.

"I tell them to ask lots of questions and try to make the most of all your experiences here in school..."

— Aryn Meguro

She regularly teaches Pharmacy Self Care classes to P1 students, Integrated Therapeutics to P2 students, and precepts students on IPPE and APPE acute medicine rotations at Hilo Medical Center.

"She was nominated, in part, due to her patience, approachability, and dedication to ensuring that all students get the individual attention and education needed to become excellent pharmacists," says DKICP faculty colleague Dr. Jarred Prudencio. "She challenges students to work hard and grow as independent clinicians, while still providing a safe learning environment within Hilo Medical Center."

Meguro encourages her students to keep an open mind through all of their different rotations. "I tell them to ask lots of questions and try to make the most of all your experiences here in school," she says. "I've had students who were not looking forward to or were nervous and didn't think acute care was for them but by the end of the rotation they felt it could be a career path option."



PRECEPTOR

CORY LEHANO

Innovative and community-minded

Dr. Cory Lehano is the owner and pharmacist at Mauiola Pharmacy, an independent pharmacy in Wailuku, Maui. He has precepted students on IPPE community and APPE community rotations since 2019.

Along with a range of prescription services, Mauiola Pharmacy provides a variety of education services including comprehensive medication management, smoking cessation and senior risks assessments. Its diabetes education

program, Ho'okaulike Wellness, is accredited by the Association of Diabetes Care and Education Specialists, and has been operating in the community since 2017.

Under Lehano's direction, Mauiola Pharmacy incorporates traditional native Hawaiian values with innovative western medicines. The company's mission statement states it "is committed to improving the physical, mental and spiritual health of our community members by providing a unique alternative to healthcare and pharmacy services." The pharmacy team there regularly seeks to incorporate a holistic approach to health, and works with individuals and agencies that have similar wellness values.

He earned his Doctor of Pharmacy degree in 2015 from Regis University in Denver, CO, and is professionally active in APhA, AMCP and SNPhA.

"Dr. Lehano provides students with unique experiences that inspire them to think in new and creative ways and expand clinical services to advance the area of community pharmacy," says Jarred Prudencio, DKICP associate professor and chief of experimental education. "He was nominated by students due to his passion for precepting and dedication to the community. He is a driver of innovation in the community pharmacy setting."

DKICP alumnus Shane Naeole (Class of 2021) completed an APPE rotation at Mauiola and was subsequently hired by Lehano after graduation, notes Prudencio.

"He was nominated by students due to his passion for precepting and dedication to the community. He is a driver of innovation in the community pharmacy setting."

— Jarred Prudencio,
DKICP associate professor

NEALAND IS AWARDED AAUW FELLOWSHIP



DKICP doctoral student Sasha Nealand has been awarded a \$20,000 dissertation fellowship by the American Association of University Women (AAUW) for the 2022-2023 academic year. The organization focuses on scholarly excellence as a major criterion for the fellowship, and selected Nealand for her dissertation research on a native medicinal plant found around her home area of central California.

"The plant, *Grindelia stricta* var. *platyphylla*, is rich in resinous terpenes, which preliminary screenings indicate have useful anti-mycobacterial activity," she explains. "Through my research, I'm trying to separate out a certain chemical class of compounds within this plant that are active against one specific pathogenic bacteria. Eventually, such a compound could have unique uses in natural medicinal products."

"I'm proud that AAUW has chosen to support my dissertation project and that I can be one of their representatives of equity in educational opportunity for women graduate students in STEM fields," she adds.

Nealand plans to complete her Ph.D. in 2023 and hopes to work in developing new types of antibiotics for either a university or private research laboratory.

Rho Chi

HONOR SOCIETY INDUCTS NEW MEMBERS AND CREATES NEW STUDY GAME

by Matthew Neumann

This year's Rho Chi ceremony for the induction of new members was again held via Zoom. After a lovely speech from our interim dean, Dr. Mobley Smith, ten student pharmacists became part of the Rho Chi Class of 2024 Initiates. They included:

- Carly Bell
- Chase Ibia
- Cheyenne Garretson
- Corey Duenas
- Dyani Chock
- Gladys Hope Lorenzo
- Jeff Michael Regalario
- Kylie Bengcayao
- Olatunji Gbadebo
- Teva Kealoha Meyer

DKICP faculty member Dr. Dianqing Sun was elected by our members as an honorary inductee.

The Antibiotic Draft

This semester, Rho Chi piloted a new review opportunity for students, called "The Antibiotic Draft". It was organized and hosted by Rho Chi members, and included Powerpoint review, followed by a knowledge check game in which teams of four to five pharmacy students put their knowledge to the test in drafting the



▲ Rho Chi members gathered via Zoom again this year to induct new members.

best fantasy football team possible. All of the topics, such as different classes of antibiotics and their side effects, were related to football in some way. The goal was to provide analogies students could draw from and use to remember and differentiate between these very important medications.

In total, 36 students, making up eight teams, participated in the event, with four Rho Chi members helping organize and present. Feedback from participants was encouraging and Rho Chi plans to continue this event in the future, as well as continuing to look for new ways to enhance student learning.

Phi Lambda Sigma

LEADERSHIP SYMPOSIUM FOCUSES ON TIME MANAGEMENT

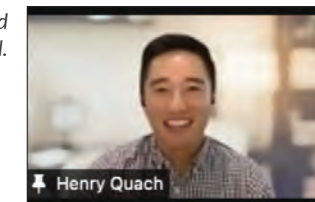
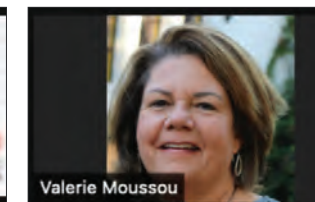
by Leila Chee

On Saturday, April 9, 2022, Phi Lambda Sigma held the annual Spring Leadership Symposium virtually through Zoom. This year we chose to center the theme of our symposium around "Time - Our Most Precious Resource."

As pharmacy students, we very often find ourselves with multiple tasks to accomplish in a week. Sometimes it feels as if tasks pile higher as each semester goes by. Regardless, there are methods of time management we can practice and develop to be efficient and make the best of the opportunities. Time management is a crucial skill to develop as we push through pharmacy school and create our professional identities. Each and every person has different methods that are effective for managing time and Phi Lambda Sigma believes in the importance of acknowledging and developing these skills to become more consistent and well-rounded individuals.

We were honored to be joined by three guest speakers:

Dr. Miriam Mobley Smith, PharmD, FASHP, joined our college as Interim Dean in February 2022, and has an accomplished background in pharmacy. She received her Bachelor of Science degree in Pharmacy from the University of Michigan, Doctor of Pharmacy degree from the University of Illinois at Chicago, completed a pharmacy practice residency at Sinai Hospital of Detroit, Primary Health Care Policy Fellowship with the U.S.



Three distinguished speakers addressed PLS's Spring Leadership Symposium in April.

Department of Health and Human Services, and received a Measurement, Design and Analysis Methods for Health Outcomes Research Certificate from Harvard University School of Public Health.

She has been an active leader in many pharmacy organizations, with roles including chair of the Board of Directors for ACCESS Community Health Center Network, and as a member of the University Health Partners of Hawai'i Board of Directors, the Chicago Pharmacists Association Foundation Board, and the Board of Trustees for Chicago State University. Dr. Mobley Smith has delivered over 300 invited local, regional, and national presentations, and published in areas relative to her focus. In 2013 she was awarded the Illinois Pharmacists Association "Pharmacist of the Year", among her long list of other accomplishments.

During her presentation, Dr. Mobley Smith shared her insight and knowledge on time management using the Eisenhower's Square Tool, which focuses on effectively prioritizing tasks and responsibilities.

Dr. Valerie Moussou, PharmD, MBA, BCOP, earned her Doctor of Pharmacy degree from the University of Florida, Master of Business Administration from California Lutheran University, in addition to an oncology certificate. Her pharmacy background is extensive and she has gained experience as a pharmacist in independent and community pharmacies, in-pa-

tient, home infusion, and specialty settings. She has served as manager for the Dignity Health Infusion Center and Associate Professor of Clinical Practice at the University of the Pacific, University of Southern California College of Pharmacy, and Ventura College of Nursing, where she teaches pharmacology and has been voted Preceptor of the Year countless times.

She shared her personal journey through different fields of pharmacy and provided tips on how to make the best of what you are given throughout your time in pharmacy school. We learned that different experiences can lead to different career paths, and that taking advantage of opportunities can help you find work that you are truly passionate about.

Dr. Henry Quach, Pharm.D., an alumnus of Phi Lambda Sigma and the Daniel K. Inouye College of Pharmacy, is continuing his education as a PGY1 Pharmacy Resident at the San Francisco VA Healthcare System. Dr. Quach has an interest in chronic disease state management and aims to practice in ambulatory care after he completes his residency. He is currently focused on the transition of care process in smoking cessation patients. During our symposium he conducted an interactive lesson on the importance of making connections in the world of pharmacy.

The need to better quantify Pacific Islander health disparities

DKICP faculty member Dr. Karen Pellegrin recently had a Comment paper published in *The Lancet* that addressed problems with long-outdated race and ethnicity data categorization. Here she explains how these labels skew the numbers and why changes are needed.

Both the NIH and CDC define health disparities as “preventable differences” in health experienced by certain populations¹, and the National Institute on Minority Health and Health Disparities is NIH’s “lead institute on research to improve minority health and reduce health disparities”².

We cannot identify or appropriately address health disparities without accurate measures. One of the most closely watched indicators of health and disparities is life expectancy, which is based on mortality data – death is a pretty clear measure of health, or lack thereof. So, comparing mortality rates and life expectancy between groups is a key way to measure health disparities, and the methods used to group populations for comparison determines how well (or not) we can see disparities.

In 1977, the federal government established its first standards for collecting and grouping race and ethnicity data so that all agencies would use the same minimum set of categories to help ensure enforcement of civil rights of populations that had experienced discrimination³. One of these first categories was “Asian or Pacific Islander” (API). For Hawai’i in particular, the only state that has always been a so-called “majority minority” state (i.e., with a majority of the population that is non-white), this aggregate API federal category is problematic because it rolls up a diverse majority of the population.

The Hawai’i Department of Health has taken the lead in tracking more meaningful categories, which has allowed researchers here to better track life expectancy and disparities. Since the mid-1900s, Native Hawaiians have had the lowest life expectancies, while Chinese and Japanese have had the highest⁴. When these groups are combined, the 10-year gap in longevity between the highest and lowest groups cannot be seen. That is why the federal government eliminated the aggregate API category in 1997 and has since required separate “Asian” and “Native Hawaiian or Other Pacific Islander” categories.

I was invited by a senior editor with *The Lancet* to write a Comment article about a new study they were publishing on US health disparities that was funded by the NIH and conducted by researchers at the University of Washington, the NIH, and the CDC. I worked with Dr. Kekoa Taparra, a brilliant physician-researcher, on this article for *The Lancet*. Titled “Data aggregation hides Pacific Island health disparities”⁵, our Comment criticizes the researchers for their use of the aggregate API category, which they featured as important added value of their study. In a study aiming to describe health disparities, doesn’t use of an invalid category that knowingly hides disparities add harm rather than value?

I was pleased to hear the recent announcement that the federal race/ethnicity standards will be revised for the first time in 25 years⁶, as there are many populations hidden within the current categories. We’re also



long overdue to eliminate the word “minority” in reference to non-whites, a word that seems to institutionalize the marginalization of a growing population of Americans. NIH should rename its National Institute on Minority Health and Health Disparities, maybe calling it the National Institute on Diverse Population Health.

More importantly, given the currently available population data, we need increased funding to study and address health issues among Pacific Islanders and other indigenous U.S. populations that continue to suffer the most severe disparities.

¹<https://www.cdc.gov/aging/disparities/index.htm>

²<https://www.nih.gov/ending-structural-racism/health-equity-research>

³<https://www.federalregister.gov/documents/2016/09/30/2016-23672/standards-for-maintaining-collecting-and-presenting-federal-data-on-race-and-ethnicity>

⁴<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5226016/?report=classic>

⁵[https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(22\)01100-X/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(22)01100-X/fulltext)

⁶<https://www.whitehouse.gov/omb/briefing-room/2022/06/15/reviewing-and-revising-standards-for-maintaining-collecting-and-presenting-federal-data-on-race-and-ethnicity/>



Shugeng Cao, Ph.D. and professor, Department of Pharmaceutical Sciences, recently had a paper, titled “Bacteria within fungal fruiting-body microbiome protect crops against fungal infections by disrupting lipid rafts”, published in *Nature Microbiology*, 2022, 7(6),831–843. Co-authors included S Xu, Y-X Liu, H Wang, Y Zhou, T Cernava, G Berg, T Xia, X-X Shen, Z Wen, Y Xiao, C Li, B Qu, H Ruan, Y Chai, X Zhou, Z Ma, Y Shi, Y Yu, Y Bai and Y Chen.



Susan Jarvi, Ph.D. and professor, Department of Pharmaceutical Sciences, attended the American Association of Immunologists conference in San Diego, CA, May 5–10, 2022.

She has published the following papers:

- A Steel, MS Platz, AJ Riglos, BJ Garcia, J Jacob, S Jarvi, “Larvicidal efficacy of ozone and ultrasound on *Angiostrongylus cantonensis* (rat lungworm) third-stage larvae” in *Foods* 2022, 11, 953. <https://doi.org/10.3390/foods11070953>
- J Jacob, A Steel, Z Lin, F Berger, K Zöeller, S Jarvi, “Clinical efficacy and safety of Albendazole and other Benzimidazole anthelmintics for rat lungworm disease (Neuroangiostrongyliasis): A systematic analysis of clinical reports and animal studies” in *Clinical Infectious Disease*, 74: 1 April 2022
- P Follett, L Hamilton, Y Tagami, L Kaluna, S Jarvi, “Phytosanitary irradiation using X-rays prevents reproduction in the semi-slug *Parmarion martensi* (Stylommatophora: Ariophantidae), a host of the human pathogenic nematode *Angiostrongylus cantonensis* (Rhabditida: Angiostrongylidae)” in *Pest Management Science*, 78:1187–1193 DOI 10.1002/ps.6735 2021
- WJ Sears, Y Qvarnstrom, E Dahlstrom, K Snook, L Kaluna, V Baláz, B Beckova, J Šlapeta, D Modry, S Jarvi, TB Nutman, “AcanR3990 qPCR: A novel, highly sensitive, bioinformatically informed assay to detect *Angiostrongylus cantonensis* infections”, *Clin Infect Dis* 2021 Oct 5;73(7):e1594–e1600 doi: 10.1093/cid/ciaa1791
- S Jarvi, P Procriv, (2021). *Angiostrongylus cantonensis* and neuroangiostrongyliasis (rat lungworm disease): 2020. *Parasitology*, 148,129–132, <https://doi.org/10.1017/S003118202000236X>
- LJ Hamilton, Y Tagami, L Kaluna, J Jacob, S Jarvi, P Follett, (2021), “Demographics of the semi-slug *Parmarion martensi*, an intermediate host for *Angiostrongylus cantonensis* in Hawai’i, during laboratory rearing”, in *Parasitology* 148,153–158, <https://doi.org/10.1017/S0031182020001353>
- CN Niebuhr, SR Siers, IL Leinbach, LM Kaluna, SI Jarvi (2021), “Variation in *Angiostrongylus cantonensis* infection in definitive and intermediate hosts in Hawai’i, a global hotspot of rat lungworm disease”, in *Parasitology*, 148 133–142, <https://doi.org/10.1017/S003118202000164X>
- A Steel, J Jacob, I Klasner, K Howe, SH Jacquier, WC Pitt, R Hollingsworth, SI Jarvi (2021), “In vitro comparison of treatments and commercially available solutions on mortality of *Angiostrongylus cantonensis* third-stage larvae”, in *Parasitology*, 148 212–220, <https://doi.org/10.1017/S0031182020001730>

- SI Jarvi, ES Atkinson, LM Kaluna, KA Snook, A Steel (2021), “Development of a recombinase polymerase amplification (RPA-EXO) and lateral flow assay (RPA-LFA) based on the ITS1 gene for the detection of *Angiostrongylus cantonensis* in gastropod intermediate hosts,” *Parasitology*, 148 251–258, <https://doi.org/10.1017/S0031182020002139>
- J Jacob, G Tan, I Lange, H Saeed, A Date, S Jarvi (2021), “In vitro efficacy of anthelmintics on *Angiostrongylus cantonensis* L3 larvae”, *Parasitology*, 148 240–250, <https://doi.org/10.1017/S003118202000146>
- K Howe, LM Bernal, FK Brewer, D Millikan, S Jarvi (2021), “A Hawai’i public education program for rat lungworm disease prevention”, *Parasitology*, 148 206–211, <https://doi.org/10.1017/S0031182020001523>



Jarred Prudencio, Pharm.D., associate professor and chief of Experiential Education, had two posters accepted for peer-reviewed presentation at the **AACP 2022 Annual Meeting** in Grapevine, TX, both with DKICP co-authors:

“Capstone clinical case examination to assess student readiness for ambulatory care Advanced Pharmacy Practice Experiences”, J Prudencio, D Taira, L Gomez. “Impact of a capstone course on student confidence in performing entrustable professional activities”, J Prudencio, C Masuda. He was also selected by the ACCP Ambulatory Care Practice & Research Network as one of two pharmacists to receive sponsorship to participate in the ACCP Leadership and Management Academy Certificate Program. With this award, he will be completing the academy in the 2022–2023 year.



Dianqing Sun, professor and chair, Department of Pharmaceutical Sciences, published a review article entitled “Recent advances in macrocyclic drugs and microwave-assisted and/or solid-supported synthesis of macrocycles” in *Molecules*.

He also coauthored a paper entitled “Investigation of antioxidant, anticancer, and chemopreventive properties of Hawaiian grown māmaki tea (*Pipturus albidus*)” in *Natural Product Communications*, with coauthors A Sun, T Kondratyuk, S Wong-wiwatthanakul, and L Chang. He will present a poster entitled “A survey of new uses of FDA approved drugs via drug repurposing” at the **2022 AACP Annual Meeting**, Pharmacy Education 2022, held July 23–27 in Texas; coauthored with Rosalie White. He was also selected to serve on the 2022–2023 AACP COD/COF Faculty Workload Reimagined Joint Task Force.



FACULTY PROMOTIONS

In the Department of Pharmacy Practice, **Dr. Nicole Young** was promoted to associate professor and received tenure.

Spring 2022 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 2022 Spring semester.



CLASS OF 2023

Hyeji Lee	Matthew Neumann	GaYeon Wang
Stephanie Mojumdar	Brayton Sakai	
Selena Joy Morita	Tiana Tran	

CLASS OF 2024

Carly Bell	Corey Duenas	Chase Ibia
Kylie Bungcayao	Cheyenne Garretson	Jeff Michael Regalario
Dyani Chock	Olatunji Gbadebo	

CLASS OF 2025

Logan Acebo	Alyssa Kam	Rizamari May Pascua	Vincent Tran
Elyssa Ball	Kallen Kobayashi	Rebecca Peters	Akiho Uno
Taylor Eleola	Tyra Kong	Anaiz Ramirez	Rosalind Wong
Cierra Fujimoto	Chae Min Lee	Christine Kaela Ramos	Yang Xu
Neilsen Gazo	Keri Lum	James Santoki	
Krystle Imamura	Steven Maesato	Sueun Suh	

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
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Address: _____

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



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- ▼ A floor-to-ceiling mural wraps around three walls that surround a set of breakout rooms on the first floor of Hale Kihō'ihō'i. Its graphics layer Hawaiian themes with pharmaceutical science principles in eye-catching artwork. And it's just one of the unique features highlighted in a recent design award that the building received. Read more about it in this issue.

