Office of Global Health and International Medicine
JABSOM's Office of Global Health and International Medicine (OGHIM) is directed by Gregory G. Maskarinec, PhD, assisted by Ms Paula Uchima, within the Office of the Dean. OGHIM works to ensure that all international medical education activities of JABSOM faculty, staff and students are aligned with the school's mission and in compliance with all accreditation body requirements and within all legal parameters. Our goal is to promote for our students appreciation of the ways that global issues impact the health of patients and communities in Hawai'i, and encourage them to gain experience in international health care settings. As aspired to in the 1948 United Nations' Universal Declaration of Human Rights (article 25) the Office of Global Health and International Medicine advocates that "Everyone has the right to a standard of living adequate for the health and well-being of himself and of his family, including food, clothing, housing and medical care and necessary social services."

Currently, 36 medical institutions in Pacific Rim countries have international student exchange MOUs with JABSOM. Two new ones added this year are the University of Newcastle (Australia) Department of Indigenous Health, and Otago Medical School (New Zealand).

Major Issues
1. OGHIM seeks to expand the options, logistical support and financial resources available to JABSOM students, residents and faculty to participate in exchange rotations at medical schools and health care facilities throughout the Pacific, in Asian Rim Countries, and throughout the world, with adequate pre-departure orientation and post-elective debriefings.
2. We hope to demonstrate that joining the Consortium of Universities for Global Health (CUGH) advances national understanding of Hawaiian and Micronesian health issues, and will prepare panel proposals that address these issues for future CUGH conferences.
3. OGHIM fosters cooperation with other divisions and departments in the UH system, including public health, nursing, social work, pharmacy and social science to develop an interdisciplinary community engaged on global health issues.

Goals
1. Establish a cross-residency didactic curriculum on global health to support a "global health track" for residents, including pre-departure training and post-rotation debriefings.
2. Support additional faculty positions and release time for faculty with expertise in global health to accompany students and residents on international rotations.
3. Organize a "Humanism, Empathy, Social Justice and Global Health" symposium for February 2020 during Humanism Week, with support from the Noguchi Medical Research Foundation, Japan.
4. Support capacity-building at clinical sites in the Pacific Rim, including through bidirectional exchanges, shared education, and research partnerships.
5. Increase research opportunities across the UH System on global health topics, including regarding implementation of protocols in low-resource settings across vast geographic areas and studying details of rare tropical diseases and patient outcomes.

Significant Achievements of JABSOM OGHIM in 2019
• Inter-residency Global Health Didactics, for residents of JABSOM Departments of Family Medicine, Internal Medicine, Pediatrics, Psychiatry and Ob/Gyn. Two
sessions of global health didactics will be held for residents of these programs annually. This year, the sessions were:

- Fifteen JABSOM students participated in one-month reciprocal exchange programs: Bali - Udayana University; Japan – Jikei University, Juntendo University, Keio University, Tokai University and Tokyo Women's Medical University; Korea – Jeju National University and Pusan National University.
- Thirty-one fifth- and sixth-year undergraduate and graduate medical trainees came from Japan, Philippines, South Korea, and Thailand to participate in a one-month reciprocal exchange program here in Hawai‘i.
- Ten short-term physician consultants and one long-term consultant were sent to Okinawa Chubu Hospital (OCH); the contract to continue this program for 2 years (2019-2021) was signed; the 52nd Graduation ceremony was held on March 20 and attended by Dr. Junji Machi, who participates also in the OCH Residency Future Advisory Committee meetings and in the OCH Alumni seminar twice a year.
- Twelve Japanese Medical Schools are participating in the Hawaii Medical Education Program (HMEP), which includes special classes every Saturday and online-learning materials to students; Dr. Machi visited more than ten Japanese medical schools this year to promote HMEP.
- Dr. Maskarinec this year gave lectures on social justice and global health at medical schools in South Korea (National University in Seoul, Jeju, Pusan and Hallym), Indonesia (Udayana and Warmadeva), and Nepal (Patan and Jumla).
- Dr. Machi has arranged collaboration and support for workshops and conferences in Honolulu, including JADECOM in July; Gumma Paz in March and Fukuoka Jikei Iken Group in July; and for Hawaii Tokai International College Medical Students in March.

We would like to say “Thank you, Doric, for excellent teaching for the international students for a long time.”
Office of Medical Education (OME)
The Office of Medical Education’s International Programs, formerly the Program for Medical Education in East Asia (PMEEA), works with a broad network of medical educators throughout the Asia-Pacific region. Through workshops, personal consultations, visitations, and other educational opportunities, we foster professional development of medical faculty and the enhancement of medical students’ total educational experience.

Significant Achievements/Highlights of the Year
• In March 2019, 18 students from various Japanese medical schools participated in the weeklong Learning Clinical Reasoning Workshop at JABSOM. Sessions included small group reasoning exercises, communication skills training, physical examination skills, standardized patient encounters, manikin experiences and cultural sharing.
• In May 2019, seven fellows from various medical institutions in Okinawa presented their year-long medical education curriculum project at the Hawaii-Okinawa Medical Education Fellowship closing session at JABSOM. The fellows were accompanied by the program’s “Okinawa Team”: five faculty and one staff from the University of the Ryukyus, Okinawa Chubu Hospital, and Irie Hospital.
• In June 2019, Dr. Richard Kasuya, Dr. Jill Omori and Ms. Kori-Jo Kochi, comprising the “Hawaii Team”, traveled to the University of the Ryukyus to present during the Hawaii-Okinawa Medical Education Fellowship opening session. This session marked the eighth fellowship cohort, and comprised of seven fellows from various medical institutions in Okinawa.
• In August 2019, 28 students from various Japanese medical schools participated in the weeklong Summer Medical Education Institute at JABSOM. Sessions included hands-on Problem Based Learning (PBL), doctor-patient communication exercises, standardized patient encounters, cultural sharing and extensive interaction with JABSOM students.
• 11 second-year JABSOM medical students completed a two-week summer elective course at one of three medical schools in Japan (Saga University, Osaka Medical College, Kochi Medical School).
• In October 2019, 14 physicians and faculty from various medical institutions in Japan participated in the 3.5-day PBL – Hawaii Style Workshop at JABSOM.
• In late October, four physicians from various medical institutions in Ibaraki Prefecture, Japan, and one accompanying staff affiliated with the Japan-North American Medical
Exchange Foundation (JANAMEF) participated in a 2-day Hawaii International Clinical Teaching Workshop.

Hawai'i/Pacific Basin Area Health Education Center (AHEC)
AHEC's mission is to improve the health of the underserved through education. There are three main activity areas: (1) Recruiting students to health professions from K-12 schools. (2) Educating health professions students in the rural and underserved communities of Hawaii, often in multiprofessional teams. (3) Recruiting health care professionals to rural and underserved areas and providing continuing education.

Significant Achievements/Highlights of the Year

- The Rural Health Training Initiative is a partnership between the Area Health Education Center and the Department of Veterans Affairs to send an inter-professional group of students from the Schools of Medicine, Nursing, Social Work, Public Health, Pharmacy, and Family Medicine Residents to the Pacific Basin and Neighbor Islands where the Department of Veterans Affairs’ Community Based Outpatient Clinics are located. Students live and work together on the community project under guidance of VA staff.
- 34 health professions students - JABSOM (24), UH Public Health (4), UH Hilo Pharmacy (6) participated in the Pacific Experience over the summer that took them to American Samoa, Guam, Taiwan, Palau, and Pohnpei.
- 19 students traveled to American Samoa (12) and Guam (7) and were asked to collaborate on a Health Literacy Project to look at ways literature related to health consequences might be related to levels of health literacy.
- 2 medical students traveled to Palau and conducted a situational analysis of the current state of telehealth, and helped to identify which individuals at the Ministry of Health in Palau could help spearhead future telehealth projects.
- 10 medical students traveled to Taiwan and were asked to report on how to handle challenges communicating with patients who speak a different language.
- Students noted there were many Taiwanese medical students and residents who were completely fluent in English and were very willing to help translate.
- 2 medical students and 1 public health student traveled to Pohnpei and were tasked with developing an Oral Health Survey.
SimTiki Simulation Center

SimTiki is the healthcare simulation-based healthcare education center at JABSOM. SimTiki is an Educational Support activity conducted under the Office of the Associate Dean for Academic Affairs, Office of the Dean. The center conducted over 400 classes accounting for over 3000 educational encounters for 772 unique participants during AY 2019. International programs include a variety of short course for educators and healthcare providers, in-residence research scholar positions of 1-2 year duration under the J1-Visa
program. Short term in-residence programs of 1 week to several months duration are focused on faculty development in simulation based education methods, and clinical skills training for international learners. Outreach educational programs have been conducted throughout the Asia-Pacific region, including Philippines, Japan, China, Thailand, Korea, and Malaysia.

**Significant Achievements/Highlights of the Year**

- Conducted onsite programs at SimTiki with over 100 international participants from Japan, Korea, and Thailand
- International Faculty, Resident, Medical Student, and Nursing programs at SimTiki
- Conducted 18 programs at JABSOM/SimTiki for 85 participants
- Matriculated 5 international post graduate scholars: two physicians from Japan, two physicians from Korea, one physician from Thailand) for our SimTiki International Research Scholar Program.
- SimTiki Academy Program – a short term in-residence faculty development program for international healthcare educators ranging from 1-12 weeks – had 16 participants from Japan, Korea and Thailand.
- Monthly international academic Journal Club at SimTiki by video-conference included participants from Japan, Korea, China, Malaysia, Vietnam, Saudi Arabia, and Thailand.
- SimTiki faculty conducted invited faculty development programs in Japan, Switzerland, and Taipei.
- SimTiki faculty members published 3 peer reviewed research papers with international collaborators.

**Department of Native Hawaiian Health (DNHH)**

- Two new Memoranda of Understanding to facilitate student exchanges in the Pacific with an emphasis on indigenous students were signed this year: University of Newcastle (Australia) Department of Indigenous Health, and Otago Medical School (New Zealand).
- Drs Martina Kamaka, Vanessa Wong, Dee-Ann Carpenter, Malia Lee and Kelli-Ann Volochattended and presented at the LIIME ("Leaders in Indigenous Medical Education") conference in Christchurch New Zealand, where they received a prestigious LIIMElight award for “Sustained Excellence in Indigenous Health Curriculum Implementation."
Department of Communication Sciences and Disorders (CSD)

- In February 2019, CSD hosted 15 audiology students and faculty from Hallym University (Korea) for an academic and cultural exchange program.
- In March 2019, CSD hosted 10 speech pathology students and faculty from Serei Christopher University (Japan) for an annual academic and cultural exchange program.
- In June of 2019, CSD Chair Dr. Henry Lew visited Taipei Medical University (Taiwan) for continued clinical and research collaboration. He also visited a rural hospital in Taitung, Taiwan to understand the health care disparity situation in Taiwan.

Department of Tropical Medicine, Medical Microbiology and Pharmacology

The Northern Pacific Global Health (NPGH) Research Fellows Training Consortium (sponsored by the National Institutes of Health [NIH] Fogarty International Center): This five-year program, from 2012 to 2017 was renewed for additional five years (2017-2022). This program led by Dr. Vivek R. Nerurkar has provided fellowship and scholarship funding for international training in Thailand, Cameroon and India to JABSOM postdoctoral trainees, JABSOM scholar trainees, international postdoctoral trainees, and international scholar trainees since 2012. The NPGH research projects have included clinical studies on dengue virus, malaria, tuberculosis, HIV/AIDS, and qualitative research on transgender populations in Thailand.

The department was awarded a NIH/Fogarty International Center D71 grant entitled, “SUSTAINABLE RESEARCH TRAINING AND CAPACITY BUILDING FOR EMERGING EPIDEMIC VIRUSES IN LIBERIA” to conduct collaborative research training with faculty and researchers at the University of Liberia (UL). The goal is to develop sustainable research capacity for early identification and control of emerging viral diseases with the potential for regional and global pandemics. UH faculty, Dr. Vivek R. Nerurkar (JABSOM), Dr. Axel Lehrer (JABSOM) and Dr. John Berestecky (KCC) will be traveling to Liberia in early February 2018 to jump start the funded grant related activities.

Short-term research experience for underrepresented (STEP-UP) minority high school students (sponsored by National Institute of Diabetes and Digestive and Kidney Diseases - Dr. George Hui as principal investigator): This NIH funded grant in its 11th year was successfully renewed for the third consecutive 5-year cycle (2017-2022). The goal of the program is to raise awareness of biomedical research and career pathways in underrepresented minority high school students in the Pacific region, specifically US affiliated territories of American Samoa, Guam, and the Commonwealth of the Northern Mariana Islands the Federated States of Micronesia, the Republic of the Marshall Islands, and Palau. Seventy five (75) mentors from Hawaii and the Pacific who have tirelessly mentored our high school students to create a pipeline of future researchers.

Continuing Projects

- Integration of malaria research and training program in Sub-Saharan Africa, particularly Cameroon (sponsored by NIH Fogarty International Center, Dr. Diane W. Taylor as principal investigator): The goal is to train outstanding young scientists working at the Biotechnology Center, University of Yaounde I in Cameroon to conduct research on malaria to improve the health care of pregnant Cameroonian women and their newborns. This NIH supported program has graduated 3 doctoral and 2 masters students from Cameroon (ended in 2017).
- Hantavirus Discovery (Dr. Richard Yanagihara): Collaborations with museum curators and field mammalogists from Spain, France, Poland, Russia, Japan, South Korea, Vietnam, Mongolia, Myanmar, Philippines, Taiwan, Côte d’Ivoire, Guinea, Canada, and the United States.

- Hawai’i Center for AIDS (HICFA), sponsored by the Ndlovu Laboratory and International Collaborations: Active collaborative HIV and infectious disease research currently conducted in Thailand, Vietnam, Japan, Myanmar and the Philippines.

- International NeuroHIV Cure Consortium (INHCC – Dr. Lishomwa Ndlovu, who has now left JABSOM): Collaborations with the INHCC seek to provide cutting-edge neurological and immunological expertise in the exploration of HIV cure strategies in the blood and sanctuary sites like the central nervous system.

- Impact of hepatitis in Egypt: On going studies in Egypt are defining the prevalence and social impact of Hepatitis C. Recent findings revealed a high prevalence of Hepatitis C in rheumatoid arthritis (RA) patients and the need to screen RA patients for Hepatitis C. These studies are in collaboration with Ain Shams University and Ahmed Maher Teaching Hospital (Dr. F. DeWolfe Miller). Recent publications: Soliman et al. BMC Public Health (2019) 19:1326. BMJ Global Health 2019; 0:e001922.

- Clinical rotation in the Philippine (Dr. Kenton Kramer): The Philippine Medical Association of Hawaii in conjunction with the University of Santo Tomas Medical School annually offers 4 second-year medical students the opportunity to learn about the practice of medicine in the Philippines. The goal of this 4-week elective is to develop, in these future physicians, a better understanding of the social and medical needs of Filipinos living in Hawaii and the Philippines. The Office of Student Affairs, for safety reasons, did not approve a cultural rotation for second-year medical to University of Santo Tomas Medical School. In 2019, 3 second year medical students participated in this MD5 elective.

- The Department supports the Minority Health and Health Disparities International Research Training (MHIRT) program (1T37MD0008636, NIH, National Institute of Minority Health and Health Disparities) where selected undergraduate and graduate students are trained to engage in international research projects in tropical medicine, infectious diseases, and related health sciences. The goal is to increase the number of minority scientists conducting biomedical research. The program takes place beginning in the Spring and includes a 2-month international training experience in the Summer. In 2019, nine (9) undergraduate students conducted research on a number of tropical diseases in Thailand and India. Twelve (12) department faculty train and mentor selected MHIRT students throughout the year and thirteen (13) mentors from the different international training sites support the training. The MHIRT program has trained a total of 60 students since 2014. MHIRT students are from various academic disciplines at UH and have diverse ethnic background. The research projects include arbovirus clinical research, HIV clinical research, hepatitis C, and tuberculosis, engineering and qualitative research (Dr. Vivek R. Nerurkar).

- Lethal Cubozoan Envenomation (Box Jellyfish Sting) pathophysiology and translational research (Dr. Angel Yanagihara, DOD and NIH PI, Fulbright Specialist has resulted in fully commercialized federal regulatory compliant therapeutic products. Recent and ongoing international collaborations include fieldwork in the Philippines, Indonesia, Thailand, Australia, Ireland, Micronesia, Puerto Rico, Florida.
The objectives of these efforts are to provide life saving therapeutics, as well as to improve public health knowledge of sting management, sting prevention and field ecology based sting-danger predication capacities.

**Department of Pediatrics**

- The UH Pediatric Residency Program currently offers three Global Health rotations to pediatric residents in their third year of training under the direction of Drs. Maya Maxym and Anna-Lena Lueker. Each rotation aims to provide residents with graded autonomy in the setting of unique learning opportunities, including exposure to pathology unlike that seen in the Hawaiian Islands or North America and their management in resource-limited environments.
- The 2-4 week rotation at LBJ Tropical Medical Center in Pago Pago, American Samoa gives residents the opportunity to work as pre-attendings in the inpatient and outpatient pediatric setting, provide care for patients in the newborn nursery and NICU, consult in the ED, and admit patients to their own service on the general pediatric floor or pediatric ICU. They are also asked to present a pediatric topic at the hospital wide Grand Rounds.
- The 4 week rotation at Lao Friends Hospital for Children in Luang Prabang, Laos is designed for residents who wish to focus on their teaching skills, as it requires them to act as supervisor and clinical educator in the inpatient and outpatient settings at a busy children's hospital. They run rounds with local junior doctors pursuing training in Pediatrics, and their responsibilities include the teaching of procedures and running of code events. Residents are also asked to participate in active QI projects during their rotation at Lao Friends.
- The 2 week elective in musculoskeletal medicine in cooperation with Shriner's Hospital for Children will allow pediatric residents to accompany orthopedic attendings on their outreach trips to various sites across the Pacific including American and Western Samoa, Guam, the Marshall Islands, and Fiji, among others.
- We have incorporated more GH material into the residents’ curriculum, including pre-departure preparation seminars and online modules, on-site educational assignments, and post-return debriefs for rotating residents. We also sponsor biannual inter-residency Academic Half Days devoted to Global Health topics for residents from programs including pediatrics, psychiatry, OB-GYN, and family medicine.
- Drs. Maxym and Lueker are also co-directors of Hawaii's only Pediatric ECHO, a form of tele-education geared towards empowering clinicians to provide better specialty care to patients while focusing on community pediatricians without immediate access to subspecialist consultation, including those in rural and underserved areas, by providing knowledge and support to manage complex conditions. We have had participants from several sites in the Pacific and are continuing our outreach to our Pacific colleagues to engage them in this free CME opportunity.
Department of Family Medicine and Community Health

- Dr. Seiji Yamada presented "Health, human rights, and the carceral state of the Philippines" at the American Studies Association meeting at the "Medicine, Health, and the Carceral State" session on 11/8/19.
- Dr. Angelica Agapito (R2 Resident) completed a research project on HPV at the Yap Memorial Hospital in Colonia, Federated States of Micronesia.
- Dr. Nong Dang (R3 Resident) completed a Family Medicine-focused clinical rotation at the Ho Chi Minh City Medicine and Pharmacy University Hospital in Vietnam.

Publications

Pacific Cancer Research Program Achievements and Highlights
- Ongoing implementation of the USAPI Pacific Regional Central Cancer Registry for 2017-2022, as well as Pacific Regional Comprehensive Cancer Control program.
- Focused training and/or technical assistance visits related to cancer prevention and control and cancer registry were conducted in Chuuk (FSM), Palau, American Samoa, and Pohnpei (FSM).
- Utilizing Bristol-Myers Squibb Foundation grant funds, the Pacific Cancer Project ECHO/telehealth sessions kicked off in April 2019. These once a month didactic case-based sessions focus on educating USAPI healthcare providers on the cancer control continuum – prevention, screening, treatment, palliative care, and survivorship.
- In October 2019, Dr. Neal Palafox attended the Indigenous Samoan Partnership to Initiate Research Excellence (INSPIRE) Research Symposium to discuss creating a USAPI research network. Also, Dr. Palafox spoke on “Pacific regionalism: The reliance on other islands in American Samoa” at the first TEDx PagoPago session.
• In March, Dr. Neal Palafox spoke at the Republic of the Marshall Islands 2019 Nuclear Victims and Survivors Remembrance Day in Kona, Big Island.

On July 31, the PCP joined a round table meeting with US Surgeon General Jerome Adams. In attendance were health leaders and advocates from UH, US government, and non-profit organizations who are actively improving health and well-being locally and throughout the Pacific.

In October 2019, the PCP gathered UH and community partners to discuss their public health initiatives and innovative projects to reduce diseases and improve health care access in Hawai‘i and the USAPI with Deputy Secretary of the US Department of Health and Human Services Eric Hargan and his staffer Kenneth Callahan.

In September, the DFMCH hosted the World Health Organization Western Pacific Region Regional Director Dr. Takeshi Kasa, Country Liaison Officer assigned to the Freely Associated States Dr. Eunyoung Ko, and Administration and Fiscal Director Mr. Jeffrey Kobza. With UH leaders and faculty who provide capacity building and technical expertise in the Pacific, they discussed climate change, chronic diseases, and health workforce in the Pacific region.

Department of Anatomy, Biochemistry and Physiology (ABP)
The 3rd International Hawaii Cardiovascular Symposium (IHCVS) atUH Cancer Center Sullivan Center, February 6-7, 2019. This was the 3rd symposium since it started in 2016.
The invited speakers from Japan, Canada and the U.S. shared their latest research findings on cell death, mitochondrial dynamics, autophagy, with a specific focus on heart failure. We were able to have productive discussions on transnational research in cardiovascular disease throughout the 2-day symposium. We plan to have the 4th IHCVS on February 5 and 6, 2020.

Aging/Longevity research: Dr. Richard Allsopp, Professor of ABP, has 2 ongoing global research collaborations, one with Dr. Yasuyuki Gondo and his group at Osaka University, and the other with Dr. Craig Willcox and his group in Okinawa. Both collaborations are in the field of human longevity research. The first collaboration entails comparative analysis of data from the SONIC aging cohort, run by Dr. Gondo at University of Osaka, with results from our aging cohort in Hawaii, the Honolulu Heart Program. This has already fostered visitations of researchers from Osaka University to University of Hawaii, and vice versa. (Photo 2) The second collaboration entails analysis of clinical samples collected from Okinawans, including elderly Okinawans, at the University of Hawaii. The goal is to assess the effect of the longevity variant of the FOXO3 gene, discovered by Dr. Brad Willcox's group in Hawaii, on established bio-markers of aging, including telomere length, telomerase activity, and levels of inflammatory cytokines.

Hawaii Center for AIDS, John A. Burns School of Medicine, University of Hawaii: A growing collaboration has been established between the Hawaii Center for AIDS (HICFA) and the Section of Infectious Diseases, Department of Medicine, Philippine General Hospital, University of the Philippines, Manila, Philippines. The collaboration focuses on the rapid exponential rise in the incidence of HIV in the Philippines and was of particular interest in view of the growing Filipino population in Hawaii and the resulting strong cultural relationship that Hawaii shares with the Philippines. A 100 patient cross sectional collaborative study addressing the differential immunologic and neuropsychological impact
of HIV in the Philippines compared to Hawaii was initiated. This study has already led to 2 successful abstract submissions to a SE Asia regional HIV conference, and a joint NIH Fogarty grant application proposing collaborative research in neuroAIDS. With the support of the Republic of the Philippines Department of Science and Technology, Philippine Council for Health Research and Development (DOST/PCHRD), the key government funding agency for health related research in the Philippines, a MD/PhD candidate is currently receiving training in HIV immunology techniques at HICFA and a junior Infectious Disease faculty member is anticipated to spend 6 months at HICFA focused on training in HIV clinical research.

Department of Psychiatry
Grants/Contracts
• Dr. Sara Haack implemented a second contract to provide behavioral integrated services to Kosrae of the Federated States of Micronesia.

Peer-Reviewed Publications


**Book Chapters**


**International Presentations**


**International Training**

Department of Obstetrics, Gynecology, and Women’s Health

• Kareem Khozaim spent June 2019 working in the obstetrics and gynecology department doing surgeries and taken ob/gyn call at Lyndon B. Johnson Tropical Medical Center in American Samoa. Danielle Ogez, a third-year resident, accompanied and worked alongside him for her elective rotation.

• Tiana Fontanilla and Dr. Shandhini Raidoo collaborated with the American Samoa Family Planning Program and the American Samoa Department of Education teaching sexual health education in public and private high schools in American Samoa in February 2019.


• Paris Stowers and Shandhini Raidoo collaborated with the state cancer program in Yap in the Federated States of Micronesia in June 2019 to train healthcare providers on cervical cancer screening in low-resource settings.

• Scott Harvey co-authored a book and series of lectures and simulations on obstetric critical care training along with the Society of Critical Care Medicine. This course has been used to train providers in both low-resource and high-resource countries.

Department of Medicine

Our ‘ohana of 63 UH Internal Medicine residents includes 28 who bring international perspectives and experiences from India, Singapore, Thailand, Philippines, Japan, Canada, Poland, and Jordan. In addition, our inpatient resident teams at Kuakini Medical Center hosted more than 20 observers from Japan, Thailand, Philippines, and Korea.

We featured global health in a number of CME and scholarly activities

• Dr. Masae Kawamura updated us on the global impact of tuberculosis and progress in monitoring infection.
• In coordination with the Department of Communication Science and Disorder, we hosted Dr. Raj Mitra, Professor and Chair of Physical and Rehabilitative Medicine, Kansas University Medical Center. He provided a CME activity on the “Approach to Disability in India,” highlighting differences in our social as well as medical supports for the disabled.

• Dr. Alan Katz’s presented “Superbug!” emphasizing the global impact of resistant *Neisseria gonorrhea*, and Hawaii’s important role in international monitoring and education.

Department of Quantitative Health Sciences
Invited platform presentations at international meetings
• Dr. Amy Brown, International Moderator, Global Concerns of herbal dietary supplement-induced toxicity meeting.
• Dr. Amy Brown, Invited as an international moderator for the FDA Division of Genetic and Molecular Toxicity of the National Center for Toxicological Research (NCTR) at the IUTOX 15th International Congress of Toxicology, ICTXV meeting of the Society of Toxicology, March 2019.
• Dr. Youping Deng The miRNA Expression Profile of High Mutation Burden Tumors Suggests M1 Macrophage Polarization as a Key Aspect of Response to Immune Checkpoint Blockade in Colorectal Cancer, 22nd National Academic Forum on Colorectal Surgery, Sep 22, 2018, Nanjing, China.

Poster presentation

Collaborative project
• Dr. Youping Deng, Comparison of mammography behaviors and predictors between adults 50 years and over living in Japan and the United States. The study will involve Angela Sy, Merle Kataoka-Yahiro in Hawaii and Dr. Yumiko Kinoshita at Kyushu University in Japan; Dr. James Davis. CTC sequencing data analysis for cancer drug response for Beijing Cancer Hospital, 2019.

Publication

Department of Pathology
International Lectures
• Wichit Sae-ow MD, International Lecture Location: Department of Pathology, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand Date: 4/10/2018; Topic: Neoplastic lung pathology: Unknown slide session and case presentation.
Publications


Other Significant Achievements for the Year

- Pamela Tauchi-Nishi MD, November 2018. Assisted/Participated in 9th Showa-UH conference (at UH Cancer Center). Served as Session Moderator. Mentored JABSOM medical students and Hawaii Pathologists Laboratory research fellows in their platform research presentations
- Thomas Namiki MD, Summer 2018, assisted Dr Amosa LeiSam, National Hospital, Apia, Samoa with cytopathology and surgical pathology cases via telepathology (Dr Amosa LeiSam is currently completing pathology training in Fiji).
- Thomas Namiki MD, Hosted 9th Showa-UH conference (at UH Cancer Center). This is a biennial conference of Japanese universities with UH urology and pathology, November 2018.
- Thomas Namiki MD, March 2019, Student external rotation (Toho University).
- Thomas Namiki MD, Spring 2019, introduced Dr Ji Youl Lee (Professor, Catholic University, Korea) to JABSOM staff. Obtained MOU with Queen's Medical Center for possible collaborative research.
- Thomas Namiki MD, Summer 2019, protocol writing and IRB application submission for inter-institutional project with Dr Takashi Fukagai (Showa University, Dept. of Urology).
- Pamela Tauchi-Nishi MD, December 2018. Protocol writing and IRB application submission for inter-institutional project with Dr. Mamiko Nagase of Shimane University Department of Pathology.
- Pamela Tauchi-Nishi MD, April-May 2019. Student external rotations (Shimane University).
- Pamela Tauchi-Nishi MD, July 2019. Hosted Dr. Mamiko Nagase of Shimane University Department of Pathology at the Queens Medical Center for research collaboration in inter-institutional project.

Shriners Hospitals for Children Honolulu

For decades, the Shriners Hospital for Children in Honolulu (SHCH) has annually sent teams out for short-term Outreach missions to countries and US territories in the Pacific Basin. An Outreach “team” includes one of the attending SHCH pediatric orthopedic surgeons, Dr. Craig Ono, Dr. Jonathan Pellett or Dr. Paul Moroz, as well as a support staff member and often a Nurse Practitioner. All SHCH attending surgeons are JABSOM faculty surgeons.

Orthopedic surgery residents from both JABSOM and the Tripler Army Medical Center (TAMC) orthopedic surgery training program, who are rotating through the Shriners
Hospital, will also regularly participate on these Outreach teams and for many of these residents it is the first time they have visited a developing country. Shriners Outreach trips range from 1 – 3 weeks in length and usually consist of full day pediatric orthopedic clinics. Children identified as being candidates for major surgeries will be brought to Oahu later for surgery at the Shriners Hospital in Honolulu. Often, and it is the strong desire of the SHCH Outreach Team, local orthopedic or general surgeons from the Pacific country will work with the team in their local clinics or hospital. Local nurses and staff will act as medical interpreters for the team as well. This way a mutual exchange of knowledge, experience and capacity building occurs for the development of pediatric musculoskeletal health in the Pacific.

The austere environment in the Pacific Rim provides a significant burden of pediatric orthopedic pathology not typically seen in the developed world. Osteomyelitis (including skeletal TB), untreated clubfoot or hip dysplasia, nutritional deficiencies such as Ricketts, untreated trauma, are regularly seen by the mission teams. Children seen on Outreach who are determined to benefit from surgical intervention are then brought to the SHCH on Oahu for surgery. Children are brought to Hawaii irrespective of their ability to pay. They, and a family member, will stay in Honolulu for appropriate surgical recovery and then return home with close follow-up in subsequent Outreach clinics. This way surgical follow-up is consistent and often long-term for years, unlike many other surgical mission models. JABSOM orthopedic surgery residents fully participate in all aspects of care of these Outreach children while in Honolulu, including their surgical and post-operative care.

The Outreach team will also routinely provide educational opportunities (lectures, workshops) for surgeons and medical students in the Pacific Rim country they are visiting.
These are welcomed opportunities for medical and nursing staff there to receive quality US based continuing medical education. Frequently, the Outreach teams will also meet outreach teams from other regions and countries, such as Australia or New Zealand, Taiwan or China.

Shriners teams will also frequently “reach out” to local organizations and stake holders to help build capacity in the region for children’s MSK health problems, meeting with Ministers of Health and other leaders. In both 2018 and 2019 the Shriners Team met with Mr. Robert A. Riley, the United States Ambassador the Federated States of Micronesia in Pohnpei to have informal discussions about health care in the region (see attached photograph).

Pacific Rim countries and US associated territories visited annually on Outreach by Honolulu Shriners teams include: Fiji, Tonga, Micronesia West (Guam, Tinian, Saipan, Palau and Yap), American Samoa, Samoa, Federated States of Micronesia (Kosrae, Pohnpei, Chuuk and Yap), the Marshall Islands (Majuro and Ebeye), and Kiribati (Christmas Island). In 2019, for the first time, a Shriners Team went to Tarawa, the capitol of the Republic of Kiribati.