Office of Global Health and International Medicine

JABSOM's Office of Global Health and International Medicine (OGH) is located in the Office of the Dean. As of 1st January 2018 the office is directed by Gregory G. Maskarinec, PhD, assisted by Ms Paula Uchima. Professor Maskarinec replaces Vice Dean Satoru Izutsu, who has retired after 40 years of service to UH. OGH 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. 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. OGH recognizes that health is a human right, and works to promote an understanding of social justice in medicine. Currently, 34 medical institutions in Pacific Rim countries have international student exchange MOUs with JABSOM.

Major Issues
1. 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, the Asian Rim Countries, and elsewhere in the world, with adequate pre-departure orientation and post-elective debriefings.
2. Demonstrate that having UH join the Consortium of Universities for Global Health advances national understanding of Hawaiian and Micronesian health issues, and prepare panel proposals that address these issues for future CUGH conferences.
3. Foster cooperation with other divisions and departments in the UH system, including public health, nursing, social work, pharmacy and social science to foster an interdisciplinary community engaged on global health issues.
4. Support additional faculty positions and release time for faculty with expertise in global health to accompany students and residents on international rotations.

Future 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. Increase state preparedness for global infectious and chronic disease epidemics (including diabetes and hypertension) and their potential impact on Hawai'i.
3. Engage a UH interdisciplinary team to draft a white paper for Hawai'i's congressional delegation regarding the anticipated impact on health care in Hawai'i resulting from the end of Compacts of Free Association funding in 2023, coupled with global warming and sea level rise.
4. Create a "Dean's Certificate of Distinction in Global Health" similar to, or in conjunction with, the "Dean's Certificate of Distinction in Social Justice.
5. Support capacity-building at clinical sites in the Pacific Rim, including through bidirectional exchanges, shared education, and research partnerships.
6. 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 OGH in 2018

- Ten JABSOM MS-4 students participated in a one-month reciprocal exchange international observerships program: Japan – Jikei University, Juntendo University, Nippon Medical School, Showa University and University of Tokyo; Thailand – Siriraj Hospital/Mahidol University. Eighteen current JABSOM MS-4 students plan to do international rotations in Spring 2018.

- Thirty-six fifth- and sixth-year undergraduate and graduate medical trainees came from Bali (Indonesia), Japan, Philippines, South Korea, and Thailand to Hawai'i to participate in a one-month reciprocal exchange program.

- JABSOM was visited by deans and international program directors from:
  - Kyorin University Faculty of Medicine (Japan);
  - Chulabhorn International College of Medicine (Thailand);
  - Kochi Medical School (Japan);
  - St Marianas Medical School (Japan);
  - Tokai University Medical School (Japan).

- The UH system will join as an institutional member the Consortium of University's for Global Health for three years beginning in 2019.

- Dr. Junji Machi continues to develop the Hawai'i Medical Education Program (HMEP) with ten Japanese medical schools, each of which he visited in the past year; Dr. Machi made presentations regarding the HMEP project to JABSOM's Clinical Department Chairs Committee and Clerkship Education Committee in August 2018 to request that the Clerkship curriculum of each department be shared in Japan. HMEP provides an on-line special class every Saturday in Japan for HMEP Japanese students, and provides online e-learning materials for HMEP students. Dr. Machi anticipates that JABSOM-style Clerkship in Japan will begin in 2019 at a new International Hospital in Tokyo.

- Dr. Machi is in charge of UH's Postgraduate educational program with Okinawa Chubu Hospital (OCH), and visits Okinawa twice a year in connection with this program. OCH held its 50th Anniversary Celebration in November 2017 at UH and Okinawa, and held its 51st Graduation ceremony on March 23, 2018. A total of eleven consultants from UH or other US institutes visited Okinawa for teaching: ten short-term (one week) consultants, and one long-term (3 month) consultant. The first OCH Residency Future Advisory Committee meeting on March 19-20, 2018, when it was decided to start OCH Alumni seminar twice a year in Okinawa and in the USA.

- Dr. Machi organizes resident/physician visitor support (observation at UH) through "JABSOM-JrSr Corporation" and with JADECOM (with whom the MOU was renewed in July 2018). He and Dr. Emi Saegusa helped organize workshops and conferences in Hawai'i for other Japanese medical groups. In collaboration with JrSr Corporation, more than 10 Japanese residents and physicians visited Hawai'i in the past year to have observation training in IM, FM, Surgery and EM. Japanese groups that held conferences or workshops included:
  - JADECOM: 05/21-25/2018
  - Gumma Paz: 03/11-15/2018
  - Fukuoka Jikei Iken Group: 06/25-30-2018
  - STEMS: 07/26-28/2017
  - Saiseikai: 01/21-26/2018

- OGH received financial contributions from JANAMEF, Gumma Paz, Fukuoka Iken, and STEMS.
• Both Dr. Machi and Dr. Maskarinec were speakers for the Hawaii Tokai International College Medical Student Medical English workshop in Honolulu in August 2018. Enough JABSOM students volunteered to be standardized patients for these workshops that Tokai donated $2150 to be shared by the Partnership for Social Justice and the Global Health Interest Group.

• Dr. Maskarinec visited Showa University Medical School, Tokyo Women's Medical University, Kanazawa Medical University, Kyorin University Faculty of Medicine, Kochi Medical School, and The Jikei University School of Medicine; he delivered lectures on Social Justice in Medicine at Kochi and Kanazawa and recorded a web message to students at the Jikei.

• UHP has signed a ten-year MOA with Noguchi Medical Research, Inc, and Dr. Yoshihisa Asano, to create the "Hedges/Izutsu/Asano Project in Humanity and Empathy in Medicine/ Medical Education at the University of Hawai'i," providing $100,000 year for various events and exchanges.

• The residency departments of Family Medicine, Pediatrics, OB/GYN and Psychiatry are developing a "global health track" for residents, residency faculty, and medical students.

• Dr. Aimee Grace, Director of Health Science Policy for UH, is drafting a strategic plan for the UH System for the next two years about priorities in health that include "fostering further global health engagement" under the Promoting Healthier Families & Communities section.

• A new draft of the JABSOM GH handbook is now posted on line, and can be downloaded at: http://jabsom.hawaii.edu/globalhealth/

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 February 2018, six physicians and three visiting faculty from various Japanese medical institutions, participated in the 2.5-day Hawaii International Clinical Teaching workshop at JABSOM.

• In March 2018, 12 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 2018, six fellows from various medical institutions in Okinawa, Japan 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 2018, 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 seventh fellowship cohort, and comprised of seven fellows from various medical institutions in Okinawa.
• In August 2018, 27 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 medical 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)

• Hosted Dr. Hiroaki Matsumoto from Osaka Medical College from May 2017 until his departure in June 2018. Dr. Matsumoto’s visit included co-tutoring in the pre-clinical units, participation in the Fellowship in Medical Education and assisting in international student workshops.

• In mid-October 2018, five physicians from various medical institutions in Ibaraki Prefecture and one accompanying physician affiliated with the Japan-North American Medical Exchange Foundation (JANAMEF) will participate in a 2.5-day Hawaii International Clinical Teaching Workshop.

HAWAII/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.
• This past summer, E-DA Hospital in Kaoshiung, Taiwan was also offered as a choice for the Pacific Basin Experience. E-DA is a 1000 bed hospital with all the major specialty services located on the same campus with I-Shou University School of Medicine. Both students who traveled to Taiwan had a great time and experience!
• 4 medical students and 2 pharmacy students traveled to American Samoa, where they shadowed Dr. Erhle at the VA clinic.
• 2 students traveled to Guam where they teamed up to write and create a brochure titled, “5 Easy Steps to Help Prevent or Reverse Diabetes.” This was part of their research assignment on understanding the challenges to eating a healthier diet in Guam. They consulted with local doctors in Guam at both the Veterans Affairs Community Based Outpatient Clinic and outside the VA.

Here are some photos shared by MD2 student Shelley Wong from their experience in American Samoa.

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, JABSOM.
International programs include a variety of short course for educators and healthcare providers, in-residence research scholar positions of 1-2 year duration, and shorter term in-residence programs focused on faculty development of 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 130 international participants from Japan, Korea, Thailand and Iceland

1. International Faculty, Resident, Medical Student, and Nursing programs at SimTiki
• Conducted 9 programs at JABSOM/SimTiki for 66 participants
• Matriculated 2 international post graduate physicians (one physician from Japan, one physician from Korea) for our SimTiki International Research Scholar Program.
• Our SimTiki Academy Program – a short term in-residence faculty development program for international healthcare educators ranging from 1-12 weeks – had 21 participants from Japan and Thailand.
• Conducted 4 courses with Office of Medical Education for 51 visiting international medical students from Japan and Korea.
• Monthly international academic Journal Club at SimTiki by video-conference included participants from Japan, Korea, China and Thailand.
• SimTiki Director and Associate Director conducted faculty development and pediatric simulation courses at the Nagano Prefectural Hospital Organization’s Shinshu Medical Center, Nagano, Japan.

2. Applied Simulation Instructor Skills for Teaching (ASIST) program in Japan
• Completed second annual 6 month program for participants in collaboration with Juntendo University, Tokyo, Japan.
• ASIST Research workshop at Akita University, Akita, Japan.

3. Fundamental Simulation Instructional Methods/Improving Simulation Instructional Methods
• SimTiki Director and Associate Director conducted 3 programs in Japan for over 60 participants in collaboration with NIPRO Medical Corporation, Jikei University, University of Ryukyus, and Laerdal Japan.

Department of Native Hawaiian Health (DNHH)
Significant Achievements/Highlights of the Year
• DNHH has an international research training program that sends four undergraduates to New Zealand for eight weeks.
• The DNHH hosted Dr. Ngiare Brown in Nov 2017, one of the first Australian aboriginal medical graduates, who has worked extensively on indigenous rights, both nationally and internationally (UN) and is on the Prime Minister’s Indigenous Advisory Council and is a Commissioner on the Australian National Mental Health Commission.
• Dr. Carpenter and Kamaka are part of the IIAHN, International Indigenous Academic Health Network, a consortium of 5 medical schools from Australia, New Zealand, Canada and Hawai’i that is a formalized vehicle for faculty and medical student exchanges. Both physicians were involved in faculty exchanges to Canada in August of 2017. Two students have participated as part of the IIAHN for their Hawai’i rotations this past school year.
• Dr. Carpenter is the Chair for the 9th Biannual Pacific Region Indigenous Doctors Congress (PRIoC), an international conference that brings together indigenous physicians and medical students from around the Pacific including New Zealand, Australia, Micronesia, Canada, Taiwan and the US (Hawai’i as well as continental US). The conference moves around the Pacific every 2 years and the 9th one will take place in Hilo on the Big Island of Hawai’i in July 2018. The five day conference will offer 28.5 AMA Category 1 CME credits. Medical student participation is an important part of this conference. Hawaii has hosted it twice before, 2002 and 2008, and the DNHH and the NHCOE has contributed significantly to all of them.
• Dr. Kamaka sits on the Pacific Region Indigenous Doctors Congress Council (since 2002) and is Academic Committee Chair for the July 2018 conference.
• Dr. Kamaka collaborated with the E4E (Educating for Equity) consortium based out of New Zealand, Canada and Australia on the production of a consensus statement on Indigenous Health, entitled Educating for Indigenous Health Equity: A Consensus Statement (In press at Academic Medicine).
• Dr. Kamaka sits on the planning committee for the Lowitja Institute International Conference on Health and Wellbeing, Thinking, Speaking, Being: First Nations’ Solutions for Global Change to take place in June 2019 in Darwin, Australia.
• The NHCOE (Native Hawaiian Center of Excellence) collaborated with the Native American Center of Excellence on the planning for the Second Indigenous Faculty Forum held just prior to PRIDoC 2018 and open to all conference delegates.
• The DNHH hosted Dr. Evan Adams, Chief Medical Officer at the First Nations Health Authority, British Columbia, Canada for two lectures for JABSOM medical students in April of 2018.
• Five medical students from the University of Otago, New Zealand were placed on rotations, four of them were of Maori descent. One worked in Lau Ola Clinic (DNHH), another worked with Dr. Carpenter in University Medicine Faculty Practice (Dept. of Medicine), and the other three worked with community doctors, including Dr. Miriam Chang at the Ko‘olauloa Community Health Center, Dr. Heather Haynes from Hui No Ke Ola Pono (Native Hawaiian Health Care System on Maui, and on Moloka‘i with Drs. Emmett Aluli and Bill Thomas. Students also spent time with Native Hawaiian traditional healers.

Dr. Martina Kamaka aboard the Hōkūle‘a.

Drs. Marjorie Mau, Dee-Ann Carpenter and Martina Kamaka joined the Polynesian Voyaging Society in 2014 as kauka (physicians) on several different legs of the "Mālama Honua" world-wide voyage of the canoes Hōkūle‘a and Hikianalia.

**Department of Geriatric Medicine**

**Significant Achievements/Highlights of the Year**
• Department of Geriatric Medicine faculty were well represented at two international conferences, including the International Association of Gerontological Societies Conference in San Francisco, California, in July 2017, and the Alzheimer’s Association International Conference in London, England, in July 2017.
• In partnership with Kuakini Medical Center, the Department of Geriatric Medicine hosted Dr. Naoko Miyagawa for a 1-year sabbatical. Dr. Miyagawa is a faculty member from Shiga University of Medical Science, doing collaborative research with investigators at Kuakini Medical Center, JABSOM, and Shiga University. She is working on data analysis comparing factors associated with cognitive decline in the Kuakini Honolulu-Asia Aging Study in Hawaii and the Shiga Epidemiological Study of Subclinical Atherosclerosis (SESSA) in Japan.

• Our Geriatrics Workforce Enhancement Program (GWEP, HRSA grant) has been extended for an additional fourth year of funding. Through this grant, we provided training in geriatrics in the Pacific Islands:
  o We have created a Dyphagia training video for patients and caregivers. In addition to English, the video has been translated into Ilocano, Samoan, and Chuukese, and all are available on YouTube. Our partners at Mountain Pacific Quality Health (MPQH) will help disseminate publicity about these videos to the Pacific Islands area. Video links: http://geriatrics.jabsom.hawaii.edu/gwep/
  o We have a strong collaboration with MPQH on their Diabetes Curriculum by enhancing the geriatrics and dementia content. MPQH has conducted trainings using this curriculum in Hawaii, Guam, Saipan, and American Samoa.
  o In October 2017, a team travelled to Yap to provide a Family Caregiver Training train-the-trainer certificate course to the Yap Ministry of Health. This week-long course provided 32 hours of training on caregiving for the elderly and homebound, and covered topics such as activities of daily living, common medical problems, wound care, proper use of durable medical equipment, managing difficulty behaviors, and caregiver burnout. The workshop integrated the local culture, and included role play, hand-on demonstrations as well as home visits. Twenty-seven participants were trained as instructors. These participants were from the Yap Ministry of Health and included public health nurses, health assistants, community health workers, and physicians. The Yap Ministry of Health and Yap AHEC are committed to continue to offer this course in the future.
  o In addition to the train-the-trainer course, there were 4 evening sessions conducted on weekdays in the community churches to perform outreach and education to Yapese family caregivers. Over 125 Yapese family caregivers received training on proper use of cane and crutches, heart attack and stroke, and reducing caregiver stress and burden.
  o Faculty in the Department of Geriatric Medicine participated in Tausi Feagaiga (Covenant Keeper), a five-year project in American Samoa funded by the Administration for Native Americans from 2015-2020. The goal of this project is to increase the capacity of family and non-family caregivers to care properly for their own loved ones in the home and empower them with additional skills and knowledge to obtain employment in the home healthcare field. Monthly webinars were conducted to promote distance learning. The Hope House, an old age home, operated by the Catholic Diocese, serves as a practicum site for participants to practice their skills. In February 2018, GWEP faculty provided a 5-day Caregiver Training to 32 participants in American Samoa. The previous cohort served as co-trainers.
  o GWEP faculty have provided technical assistance and long distance support to Palau Community College (PCC) who offered the family caregiver course from July 24 to July 28, 2017, training 20 family caregivers.
GWEP faculty have continued to work with the AHEC on educational activities. The Geriatrics ECHO monthly tele-education series has been very successful, with participants from Saipan, Kosrae, Yap, Pohnpei, Palau, and American Samoa.

In July 2018, an article on “Home Healthcare and Hospice: A Pacific Islands Perspective” was published in Home Healthcare Now. This article focuses on the grass roots efforts to create home health and hospice in a country where these services do not exit.

Department of Communication Sciences and Disorders (CSD)
Significant Achievements/Highlights of the Year

- The Dept. of CSD has established MOUs with Hallym University (South Korea), Kunming Medical University (China), and Taipei Medical University (Taiwan).
- Dept. Chair, Dr. Henry Lew delivered international presentations in each of the above countries this year.
- Dr. Jinsook Kim, Professor of Audiology at Hallym University visited the CSD department and met with faculty. Plans are currently underway for an audiology student to obtain clinical experience in the CSD audiology lab.

- UHCSD graduate student Ting-Ting Hsu received the East West Center Gary S.H. Lin Graduate Degree Fellowship. The 24-month fellowship allows a student who must be from Taiwan, to pursue a Master’s or Doctoral degree at UH.
- Again this year CSD hosted a group of student from Seirei Christopher University (Japan) for a week long cultural exchange and clinical observation program. Students were able to sit in on classes, observe clinic treatment, visit special education classes in the public schools, tour the St. Francis Healthcare facility, participate in church services designed for inclusion of special needs adults, and learn to dance hula at sunset.
- CSD sponsored a Distinguished Guest Lecture featuring Dr. Isamu Shibamoto from Seirei Christopher University, presenting on “Assessment and Treatment of Dysphagia in Japan.”
• The CSD student organization supported their sister chapter at the University of Puerto Rico by sending them hurricane relief supplies.

• Our clinic continues to provide assessment and clinical intervention services to patients from diverse linguistic and ethnic backgrounds from Hawai‘i, the Pacific Basin, and beyond. Our department enjoys celebrating the diversity of our faculty, students, and patients throughout the year.

Department of Tropical Medicine, Medical Microbiology and Pharmacology
Significant Achievements/Highlights of the Year

• 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, has provided fellowship and scholarship funding for international training in Thailand or Cameroon 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 supports the Minority Health and Health Disparities International Research Training (MHIRT) program (sponsored by NIH, National Institute on 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 projects include research on arbovirus, HIV, Hepatitis C, malaria, Ebola, angiostrongyliasis, and tuberculosis.

**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 grant ends in 2018.

- **Global Hantavirus research** (Dr. Richard Yanagihara): Collaborations with virologists, museum curators and field mammalogists in Poland, Japan, South Korea, Vietnam, and the United States.

- **Short-term research experience for underrepresented minority high school students** (sponsored by National Institute of Diabetes and Digestive and Kidney Diseases, Dr. George Hui, principal investigator): 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.

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

- **International NeuroHIV Cure Consortium (INHCC.net – Dr. Lishomwa Ndhlovu):** 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.

- **Egyptian Hepatitis Studies.** On going studies in Egypt are defining the prevalence and 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. Recently we are submitting data on 67,000 Egyptians tested for HCV and HBV as a screening demonstration project as a prelude to a national treatment campaign. These studies are in collaboration with Ain Shams University and Ahmed Maher Teaching Hospital (Dr. F. DeWolfe Miller).

- **Clinical rotation in the Philippines** (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. This rotation is also a fourth year medical student international elective.
Department of Medical Technology
The Department of Medical Technology has an MOU with the Niigata University of Health and Welfare (Japan) for undergraduate students in Medical Technology and Medical Engineering. Each year, about 10 students (along with faculty members) visit UH for one week. Students participate in class and lab activities alongside UH Mānoa students. Two students from Hawaii visited Niigata in spring 2018. They created a video report: Link: https://youtu.be/EsAnPL--A4M.

Significant Achievements/Highlights of the Year
Both Hawai‘i and Japanese students were able to study together, and concluded that they “speak” the same language in terms of lab science.

Department of Pediatrics
Significant Achievements/Highlights of the Year
• Three away rotations offered to third-year residents:
  o 2-3 weeks at LBJ Tropical Medical Center in American Samoa, functioning as junior attendings who attend deliveries, consult in the ER, see patients in clinic, and attend on inpatients in the wards and ICU;
  o 2 week musculoskeletal elective in cooperation with Shriner’s Orthopedics at various outreach locations throughout the Pacific, including American and Western Samoa, Marshall Islands, Fiji, and others;
  o 1 month at Lao Friends Hospital for Children in Luang Prabang, Laos.
• The pediatric residency task force on Global Health led by Drs. Maya Maxym and Anna-Lena Lueker has been working hard to set up two new Global Health rotations, in addition to the existing two to four week elective at LBJ Tropical Medical Center in American Samoa, which two of our recently graduated residents participated in last academic year under the supervision of UH clinical faculty Dr. Lueker. During this rotation, residents are given the opportunity to work as pre-attendings in the inpatient and outpatient pediatric setting, providing care for patients in the newborn nursery and NICU, consulting in the ED, and admitting patients to their own service on the general pediatric floor or pediatric ICU. The new rotations include a one-month experience at Lao Friends Hospital for Children in Luang Prabang, Laos, which one of our residents will be participating in later this academic year, and an outreach elective in musculoskeletal medicine which we are in the process of arranging in cooperation with Shriner’s Hospital for Children. We have also incorporated more GH material into our curriculum, including pre-departure preparation seminars for rotating residents and an Academic Half Day devoted to Global Health topics for all residents.

Shriners Hospitals for Children Honolulu
Significant Achievements/Highlights of the Year
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 Rickets, 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 for surgery. 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.  

• An Outreach “team” includes one of the attending SHCH pediatric orthopedic surgeons, either Dr. Craig Ono, Dr. Jonathan Pellett or Dr. Paul Moroz, as well as support staff and a University of Hawaii JABSOM Orthopedic Resident. All SHCH attending surgeons are JABSOM faculty surgeons. These Outreach missions are typically 2 – 3 weeks long and the JABSOM faculty surgeons and residents will also routinely provide educational opportunities (lectures, workshops) for surgeons and medical students in the Pacific Rim.  

• Pacific Rim countries and US associate 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 and Chuuk), Kiribati and the Marshall Islands (Majuro and Ebeye).  

• In 2017 JABSOM Orthopedic residents involved in Outreach included Dr. Nickolas Foeger, who visited the Marshall Islands (Ebeeye and Majuro) and Dr. John Dupaix, who also visited the Marshal Islands earlier in the year. Orthopedic residents from the Tripler Army Medical Center were also involved in 2017 Outreach missions, with Dr. Liang Zhou visiting Fiji and Tonga.  

• For many years - in fact 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. And 2018 was and is no exception. Orthopedic surgery residents from both JABSOM and Tripler Army Medical Center (TAMC) orthopedic surgery, who are rotating through the Shriners Hospital, regularly participate on these teams and for many of these residents it is the first time they have visited a developing country.  

Department of Family Medicine and Community Health  
Pacific Cancer Research Program Achievements and Highlights  

• Ongoing implementation of the USAPI Pacific Regional Central Cancer Registry for 2017-2022, as well as the Pacific Regional Comprehensive Cancer Control program.  
  o Focused training and/or technical assistance visits related to cancer prevention and control were conducted in the RMI, Palau, CNMI.  
  o Palliative Care training was conducted in American Samoa for both public health and LBJ nurses and physicians.  
  o Received a Bristol-Myers Squibb Foundation 3-year telehealth grant to "Increasing Health Literacy and Receipt of Cancer-related services in vulnerable Indigenous Pacific Populations: strengthening local health systems and healthcare worker capacity". The work will primarily focus in Guam, CNMI, American Samoa and with the Marshallene populations residing in the Ka’u district on Hawaii Island.  

Faculty, Resident and Student Highlights  

• Seiji Yamada, Nash Witten (R2 resident) and Arcelita Imasa (MS4) spent their summer in Majuro, the capital of the Republic of Marshall Islands (RMI) to participate in the “TB and Leprosy Free Majuro” project. This project is the largest screening and treatment campaign for active and latent tuberculosis (TB) in the contemporary era. The project, which lasted from June through October 2018, is a collaboration between RMI Ministry of Health workers, the U.S. Centers for Disease Control and Prevention (CDC), and World Health Organization (WHO). see https://jabsom.hawaii.edu/jabsom-joins-largest-global-effort-against-tb/
Department of Psychiatry
Presentations/Posters/Publications/Rotations
2. Guerrero APS. (7/2018). Roundtable participant in WHO mhGAP Preservice Training In Child and Adolescent Mental Health, IACAPAP meeting, Prague, Czech Republic
8. Guerrero APS. (6/2017). “Ethics in Everyday Psychiatry Practice.” Presentation at the Makati Medical Center Department of Neurosciences, Section of Psychiatry (Philippines)


11. Multiple Department of Psychiatry faculty contributed to August 2018 issue of World Child and Adolescent Psychiatry Newsletter, the official journal of the Child and Adolescent section of the World Psychiatric Association

12. Senior psychiatry residents rotated in Singapore, and presented grand rounds at UH on the mental health system in Singapore

13. Dr. Guerrero became co-chair of the World Psychiatric Association child and adolescent psychiatry section in October 2017

Grants/Contracts
Dr. Sara Haack implemented a $79,000 contract to provide behavioral integrated training and services to Kosrae of the Federated States of Micronesia. This involved training in behavioral health topics for twenty health care workers, as well as collaboration on the development of integrated behavioral health services for the states two community health center. Pictures below.

Department of Obstetrics, Gynecology, and Women’s Health

Significant Achievements/Highlights of the Year
- Dr. Corrie Miller, Maternal-Fetal Medicine Fellow provided ultrasound training to providers in American Samoa in August 2018
- Dr. Kareem Khozaim has provided general obstetrics and gynecology services in American Samoa on multiple occasions during 2017-2018
- Drs. Shandhini Raidoo, Reni Soon, and Mary Tschann were invited to teach sexual health education in public high schools in American Samoa in May 2018

Department of Complementary and Integrative Medicine

Significant Achievements/Highlights of the Year
1. International research collaborations
   - Kinoshita (Kyushu) University, Japan, Collaborative Big Data Research (CBDRT) for multi-national comparisons of cancer screening behaviors and predictors among adults 50 years and over using Health and Retirement Study (HRS) cohort data. (Dr. Lim)
• Department of Genetics and the Institute of Medical Biology, Medical School, Szeged University, Hungary. Genetic studies of a multi–system disorder manifested in cerebral, vascular, renal, ocular, and muscular defects, hereditary angiopathy with nephropathy, aneurysms, and muscle cramps (HANAC), and Walker–Warburg Syndrome. (Dr. Csiszar).

• School of Pharmacy, Szeged University, Hungary, network building to secure collaborative support for ongoing projects with Native Hawaiian students focused on the anti-inflammatory effects of medicinal plants, Waltheria indica and Solanum americanum widely used by Native Hawaiian healers to treat various ailments with inflammatory components. (Dr. Csiszar)

• Nanjing Traditional Medicine Hospital, China. Hosting in the CIM department a visiting scholar, Yu Wang, to work on a project to identify prognostic biomarkers and to assess cancer recurrence risk using tissue specimens from the Hawaii Tumor Registry at University of Hawaii Cancer Center. (Dr. Deng)

2. International educational initiatives

• Medical School and the Clinical Genetics Laboratory, Debrecen University, Hungary. Sharing of the schools long traditions and experience in teaching clinical and medical genetics to international students and to bring new resources into the MSCTR program and the newly approved Medical Genetics course, through educational material, case studies, teaching expertise and outcome evaluation methods. (Dr. Csiszar)

• Department of Genetics and the Institute of Medical Biology, at the Medical School, Szeged University, Hungary. As part of an ongoing international research: Education, project development, education, and mentoring for graduate students and supporting Ph.D. thesis development and defense. (Dr. Csiszar)

Over the past two decades organization and support for an international biomedical research exchange program at UH Manoa for undergraduate and graduate students from Sweden, Spain, Italy, France, Korea, China, Germany, and Hungary. Among our graduates, internationally co mentored students graduated from Leiden University, The Netherlands, University of Cologne, Germany, Eotvos University Budapest, and Szeged University, Hungary. And serving as international thesis and dissertation committee member for students at the University of Cape Town, South Africa. (Dr. Csiszar)

• International Student Information package prepared for the Graduate Program in Clinical and Translational Research, Master of Science in Clinical Research (CR) and Quantitative Health Sciences (QHS) Tracks for international learners. (Dr. Csiszar)

3. Invited presentations at international forums

1. Global concerns of herbal dietary supplement-induced toxicity. Invited moderator by the US FDA – National Center for Toxicological Research (NCTR) at the IUTOX 15th International Congress of Toxicology (March 10–14, 2019, ICTXV Meeting, Society of Toxicology. (Dr. Brown)

2. 8th Global Summit on Regulatory Science (09/26-27, 2018), Risk/benefit of dietary supplements and herbal medicine in the era of data science. National Institutes for Food and Drug Control (NIFDC) Campus Beijing, China. Session 3. Safety and Quality Assessment. Concerns of Herbal Product-Induced Toxicity. (Dr. Brown)

4. International publications and poster presentations

2. In collaboration with researchers at the Dental and Craniofacial Genomics Unit, Endowed Health Services Research Center, Medical Sciences Campus, University of Puerto Rico. Gibby C, Palacios C, Campos M, Lim E, and Banna J. Breastfeeding discontinuation not associated with maternal pregravid BMI but associated with Native Hawaiian or Other Pacific Islander race in Hawaii and Puerto Rico WIC participants. Maternal and Child Health, 2018 July 13. doi: 10.1007/s10995-018-2587-x. PMID: 30006729. (Dr. Lim.)

3. In collaboration with the School of Medical Sciences and Bosch Institute, University of Sydney, New South Wales in Australia; Department of Human Welfare, Okinawa International University; Okinawa Research Center for Longevity Science; Department of Diabetes, Endocrinology and Metabolism, School of Medicine, Fukushima Medical University; Department of Cardio-Diabetes Medicine, Institute of Biomedical Sciences, Tokushima University Graduate School; Diabetes and Life-Style Related Disease Center, Tomishiro Central Hospital, Okinawa; Division of Endocrinology, Diabetes and Metabolism, Hematology, Rheumatology (Second Department of Internal Medicine), Graduate School of Medicine, University of the Ryukyus, Okinawa; and Department of Cardiovascular Medicine, Institute of Biomedical Sciences, Tokushima University Graduate School, Japan, Davy PMC, Wilcox DC, Shimabukaro M, Donlon TA, Suzuki M, Higa M, Masuzaki H, Sata M, Chen R, He Q, Murkofsky R, Lim E, and Allsopp R. Minimal shortening of leukocyte telomere length across age groups in a cross-sectional study for carriers of a longevity associated FOXO3 allele. Journal of Gerontology A Series: Biological Sciences. PMID: 29688278. (Dr. Lim)


5. In collaboration with the Institute of Medical Biology, at the Medical School, Szeged University, Hungary the following three papers: András A. Kiss, Nikoletta Popovics, Zsolt Boldogkői, Katalin Csiszár and Mátyás Mink. Fused mitochondria co-localize with 4-hydroxy-2-nonenal alkylated and peroxynitrite nitrated proteins in Malpighian epithelial cells of type IV collagen Drosophila mutants, J. BioMed Research International, 2018 Jan 30;2018:3502401. doi: 10.1155/2018/3502401. PMID: 29651426. (Dr. Csiszar)

6. András A. Kiss, Nikoletta Popovics, Márton Kiss1 Zsolt Boldogkői, Katalin Csiszár and Mátyás Mink, Type IV collagen is essential for proper functioning of integrin-mediated adhesions in Drosophila muscle fibers. Accepted with revision, PLOS Genetics. (Dr. Csiszar)


5. International book Publication


Department of Surgery

Significant Achievements/Highlights of the Year

• Maimona Ghows MD, anesthesiologist and intensivist, Queens Medical Center, Honolulu and Maui Memorial Medical Center, Kahului has worked as an
anesthesiologist and Intensivist for Médecins Sans Frontières for two months each year now for 9 years. In 2016 she worked as a "Forced from Home" guide in Pittsburgh and Philadelphia and is a guide again this year. She has worked for MSF twice in Nigeria-Jahun, high-risk obstetrics, and Port Harcourt, orthopedic trauma, then in Haiti in the trauma center in Port au Prince. In 2017 she went to Afghanistan to Khost, an obstetrics assignment, then northern Syria for trauma. Two missions to the Central African Republic– one to Bossangoa – all types of surgery, and then Bangui for high risk obstetrics.

Department of Internal Medicine
Significant Achievements/Highlights of the Year
For academic year 2017-2018, the Department of Internal Medicine hosted 23 international observers who spent up to one month with our internal medicine inpatient ward teams;
   19 from Japan;
   3 from Thailand;
   1 from Korea.

Department of Pathology
Significant Achievements/Highlights of the Year
• Dr. Thomas Namiki
  o July 2017 (1 week): Talofa Medical Mission, Annual volunteer work in Samoa with a team of specialists from Hawai’i. Worked with house staff and medical students at National Hospital in Apia, Samoa, to provide specialty care in Samoa. (Other JABSOM staff involved: Douglas Johnson MD).
  o Spring 2018 (4 weeks): Two Showa University medical students were hosted from Tokyo, Japan (Other JABSOM staff involved: John Lederer MD, Robert Carlile MD)
• Dr. Pamela Tauchi-Nishi
  o July 2017 (1 week): Hosted Shimane University Medical School Researcher/Cytotechnologist Satoko Mishima for postgraduate study of UroVysion FISH technology and methods
  o October 2017: Joint publication with Dr. Makoto Hamasaki (UH JABSOM/Queens Medical Research Fellow, 9/16-2/17) and Professor Kazuki Nabeshima of Fukuoka University
  o April 2018 (4 weeks): Hosted Shimane University Medical Students Sachiko Shokei and Kanna Aoyama for medical student shadowing in the Queens Medical Center Department of Pathology/