BIOMEDICAL SCIENCES AND HEALTH DISPARITIES SYMPOSIUM

Presented by
JOHN A. BURNS SCHOOL OF MEDICINE
INBRE III  RCMI  RMATRIX

April 21 & 22, 2016
9am to 3:30pm
Sullivan Conference Center
University of Hawai‘i Cancer Center
## LIST OF POSTERS 2016
Biomedical Sciences and Health Disparities Symposium
April 21-22, 2016
John A. Burns School of Medicine

Key to Abbreviations
- ANAT-Anatomy, Biochemistry and Physiology
- BDMC-Biostatistics and Data Management Core
- CCR-Center for Cardiovascular Research
- CMB-Cell and Molecular Biology
- DRB-Developmental and Reproductive Biology
- IBR-Institute for Biogenesis Research
- KCC-Kapiolani Community College
- LCC-Leeward Community College
- NHH-Native Hawaiian Health
- PH-Public Health Sciences
- QMC-Queen’s Center for Biomedical Research
- TRMD-Tropical Medicine, Medical Microbiology and Pharmacology
- UHCC-University of Hawai‘i Cancer Center
- WCC-Windward Community College

### Presenters | Sponsor | Department
---|---|---
Keith S. K. Fong | ANAT | ANAT
Abstract: “Epigenetic regulation of genes associated with midfacial development by TET1 in the tuft mouse”
(Co-authors: Robert B. Hufnagel, Vedbar Khadka, Michael J. Corley, Alika K. Maunakea, Benjamin Fogelgren, Zubair M. Ahmed, Scott Lozanoff)

Minami Konishi | PH | PH
Abstract: “Ethnic disparities in alcohol consumption rates among youth in Hawai‘i: Ethnicity as a protective factor”
(Co-authors: Codie Garza and Claudio R. Nigg)

Christopher H. Loo | Surgery | Surgery
Abstract: “Identification of Prostate-Specific G-Protein Coupled Receptor (PSGR) as a Tumor Associated Antigen: Using a Bio-Informatics Approach to Cancer Immunotherapy”
(Co-authors: Ming-Jun Wang, Helen Y. Wang, Rongfu Wang)

Nalani Minton & Jane Taafaki | Nursing & Dental Hygiene | Nursing & Dental Hygiene
Abstract: “I KE AO PONO: A culturally innovative approach to advancing a native nursing workforce”

Vivek R. Nerurkar | TRMD | TRMD
Abstract: “Identification of host genes leading to West Nile virus encephalitis in mice brain using RNA-Seq analysis”
(Co-authors: Mukesh Kumar and Mahdi Belcaid)

Vivek R. Nerurkar & Diane W. Taylor | TRMD | TRMD
Abstract: “Minority health and health disparities international research training program at the University of Hawaii”
MEDICAL FELLOWS

Shinji Ito               Aida Wen & Kamal Masaki   Geriatric Medicine
Abstract: "Interprofessional Education Using Teamwork Simulation at the University of Hawai’i"
(Co-authors: Aida Wen, Matthew Uechi, Lorrie Wong, Carolyn Ma, Lana Kaopua, Kamal Masaki)

Sung Eun Jang               Kamal Masaki             Geriatric Medicine
Abstract: "Olfactory dysfunction predicts twenty-year total mortality: the Honolulu-Asia Aging Study”

Pamela Sebastian            Kamal Masaki             Geriatric Medicine
Abstract: “Healthcare professionals' perceptions and use of the Provider Orders for Life-Sustaining Treatment (POLST) Form”
(Co-Authors: Elizabeth Freitas, Kamal Masaki, Aida Wen, Daniel Fischberg)

Linnea K. Will              Andrew Nichols           Sport Medicine
Abstract: "The Utilization of Anterior Cruciate Ligament Knee Injury Prevention Exercise Programs by NCAA Collegiate Women’s Basketball, Soccer, and Volleyball Teams”

Kelly S. Yamasato          Janet Burlingame        OB/GYN
Abstract: “Associations between maternal morbidity obesity and race and severe perineal lacerations”
(Co-authors: Chieko Kimata, Janet Burlingame)

Ilya V. Yepishin            Kamal Masaki             Geriatric Medicine
(Co-authors: Randi Chen, G. Webster Ross, Helen Petrovitch, Robert Abbott, Aida Wen, Bradley Willcox, Kamal Masaki)

RESIDENTS

Akika Ando                  Steven Azuma             Cardiology
Abstract: “Mimicking ST-segment elevation myocardial infarction secondary to cardiac metastasis of bladder cancer”
(Co-author: Steven Azuma)

Akika Ando                  Steven Azuma             Cardiology
Abstract: “Marked migration of sternotomy wire into pulmonary artery via right ventricle”
(Co-author: Steven Azuma)

Marko Culjat                Marian Melish             Pediatrics
Abstract: “Clinical and imaging findings in an infant with Zika embryopathy”
(Co-authors: Stephen Darling, Vivek Nerukar, Natascha Ching, Mukesh Kumar, Sarah Mim, Rupa Wong, Leon Grant, Marian Melish)
Wayne Cheng
Anthony Herrera
Internal Med/Radiology QMC
Abstract: “Case Report: A case of patent foramen ovale with pulmonary emboli and paradoxical emboli”

Wayne Cheng
Anthony Herrera
Internal Med/Radiology QMC

Wayne Cheng
Anthony Herrera
Internal Med/Radiology QMC
Abstract: “Case report: Acute Emphysematous Epiglottitis in an adult without airway compromise”

Tristan E. Knight
D. Glaser/N. Ching/M. Melish
Pediatrics
(Co-authors: Darryl Glaser, Natascha Ching, Marian Melish)

Blair N. Limm-Chan
Andras Bratincsak
Pediatrics
Abstract: “Effectiveness of pulse oximetry screening in the detection of critical congenital heart diseases”

Christopher H. Loo
Ming-Jun Wang
Surgery
(Co-authors: Christopher H. Loo, Ming-Jun Wang, Helen Y. Wang, Rongfu Wang)

Therese F. Posas-Mendoza
Melvin Palalay
Internal Medicine QMC
Abstract: “Pseudohyperkalemia: A misleading phenomenon”
(Co-author: Akika Ando)

Koah Robin Vierkoetter
David Shimizu
Pathology
Abstract: “Pathologic parameters in adenocarcinoma in situ of the cervix: Clinical correlates and outcomes”
(Co-authors: Teresa C. Porter, Keith Y. Terada)

Hideaki Watanabe
Satyanarayana Chekuri
Internal Medicine
Abstract: “Chylous ascites in peritoneal dialysis”

Kamonkhat Wirunsawanya
Roland Ng
Internal Medicine
Abstract: “Atypical presentation of adrenocortical carcinoma, Kuakini Medical Center”
(Co-authors: Cawin Wong Mizuba, Nattawat Kломjit)

MEDICAL STUDENTS

Christine F. Chan
Kamal Masaki
Geriatrics
Abstract: “Walking protects against cognitive decline: The Honolulu-Asia Aging Study”
(Co-authors: Robert Abbott, Randi Chen, Lon White, G. Webster Ross, Helen Petrovitch, Lenore Launer, Kamal Masaki, MD)

Tracy Cheung
Pamela Tauchi-Nishi
Pathology
Abstract: “Placental mesenchymal dysplasia with intrauterine fetal demise: A case report with review of the literature”  
(Co-authors: Akira Naomi, Yoko Takaesu, F. Kunishima, Pamela Tauchi-Nishi, Mikio Hashiguchi)

Kevin Guan  Pamela Tauchi-Nishi  Medicine/Q=QMC  
Abstract: “Pancreatic neuroendocrine tumors diagnosed by fine needle aspiration/biopsy cytology: A 15-Year Retrospective Analysis”  
(Co-authors: Asia Ayabe, Brandy Ena, Deanne Yugawa)

Reyn F. Higa  Justin Young  Medicine  
Abstract: “An unusual case of a knee injury”

Trudy M. Hong  Scott Lozanoff  ANAT  
Abstract: “Augmented reality presentation of anatomical variations: Example with aberrant right subclavian arteries”  
(Co-authors: Kaori Tamura, Jesse Thompson, Beth K. Lozanoff, Steven Labrash, Takashi Matsui, Scott Lozanoff)

Michele C. Kanemori  Lynn Iwamoto  Medicine/Kapi‘olani Med Ctr  
Abstract: “Stop ROP and Roll: Meaningful medical student participation in patient safety and quality improvement, Kapi‘olani Medical Center for Women and Children”  
(Co-authors: Kelsey Ige, Jared Har, Kacie Fox, Lauren Kida)

Shannon A. Kogachi  Greg Kokame  Ophthalmology/Surgery  
Abstract: “High-Dose ranibizumab treatment in polypoidal choroidal vasculopathy: PEARL 2 Trial”  
(Co-authors: Gregg Kokame, Jessica G. Shantha, James Lai, Raymond Wee)

Caroline G. Y. Lau  Yusuke Marikawa  ANAT/IBR  
Abstract: “Morphology-Based Mammalian Stem Cell Tests Reveal Potential Developmental Toxicity of Donepezil”

Nohea L. A. Leatherman-Arkus  Lynn Iwamoto  Pediatrics/Kapi‘olani  
Abstract: “Colostrum kits increase early breast milk feeding in Very low birth weight infants: a quality improvement project. Performed at Kapi‘olani Medical Center for Women and Children.”  
(Co-authors: Lynn Iwamoto, Charles Neal)

Marcia A. Y. Leung  Kamal Masaki  Geriatrics  
Abstract: “Eliminating geographical cancer mortality disparities and setting achievable targets for state reduction”  
(Co-author: Norma Kanarek)

Diorene Navasca  Neal Palafox  Family Med/Community Health  
Abstract: “Policy, Systems, and Environment Change Interventions to Prevent and Reduce Tobacco Use and Promote Healthy Nutrition in the US Affiliated Pacific Islands: The REACH Community Health Interventions Project”  
(Co-authors: Lee Buenconsejo-Lum, Angela Sy, Mavis Nitta, Evonne Sablan)

Trent M. Tamate  Justin Young  Sports Medicine
Abstract: “The cost and effects of pre-participation ECG in NCAA division 1 athletes: A pilot study”

Aya Wakita Pamela Tauchi-Nishi Pathology/QMC
Abstract: “A combined deposition of lanthanum and hemodialysis-associated amyloid in the gastroduodenal mucosa: An immunohistochemical, electron microscopic and dispersive x-ray spectrometric analysis”
(Co-authors: Makiko Maruyama, Riruke Maruyama, Takayoshi Komatsu-Fujii, Hideyuki Onuma, Tomohiko Yamamoto, Youichi Miyaoka, Noriyoshi Ishikawa, Asuka Araki, Nahoko Ishikawa, Yoshikazu Kinoshita, Pamela Tauchi-Nishi)

Jennifer W.H. Wong Michael Carney OB/GYN
Abstracts: “Tuberculosis masquerading as gynecologic cancer”
(Co-authors: Tiffany Lai, Kimberly Nagamine)

Jonathan L. H. Wong Kuo-Chiang Lian Medicine
Abstract: “A 54 Year-old Man with Facial, Neck, and Oropharyngeal Swelling – It wasn’t the dental work”
(Co-Authors: Loni Belyea, Kuo-Chiang Lian)

Casey Yamashita Kamal Masaki Geriatrics
Abstract: “Uric acid levels in mid-life and low substantia nigra neuron density at death: The Honolulu-Asia Aging Study”

Julia A. Zhang Kamal Masaki Geriatrics
Abstract: “Reversing diastolic heart failure in aging: extracellular matrix and cardiac biomechanics”
(Co-authors: Ann Chiao, Peter Rabinovitch)

POST-DOCTORIAL FELLOWS

Rozalia Laczko Katalin Csiszar Medicine
Abstract: “Epithelial cell-specific mechanisms of Capsaicin in a native Hawaiian medicinal plant, nioi”
(Co-authors: Noemi Polgar, Kimberly Kahaleua, Maria Petelo, Andrew Chang, Ben Fogelgren, Katalin Csiszar)

Chih-Yun Lai Saguna Verma TRMD
Critical role of TLR4 in mediating innate immune response to Ebola virus glycoprotein in mouse.
(Co-authors: Terri Ann Wong, Daniel Strange, Axel Lehrer)

Viola Pomozi Olivier Le Saux CMB
Abstract: “ABCC6 deficiency promotes atherosclerosis”
(Co-authors: Christopher Brampton, Li-Hsieh Chen, Ailea Apana, Sara McCurdy, William Boisvert, Ludovic Martin and Olivier Le Saux.)

Kathryn Schunke Ralph Shohet Medicine/CCR
Abstract: Cardiac HIF-1α effects are muted by protein kinase C binding protein 1
(Co-authors: Karen Chang, Chad Walton, David Veal, Keith MacCannell, Ralph Shohet)

Wen-Yang Tsai Wei-Kung Wang TRMD
Abstract: “Dengue virus with differential maturation status affects the binding properties of different human monoclonal antibodies”
(Co-author: Hui-Ling Chen)

Christie L. Wilcox Angel Yanagihara TRMD
(Co-authors: Raechel Kadler, Angel Yanagihara)

Allison L. Williams Ralph Shohet Medicine/CCR
Abstract: “HIF1 regulation of SERCA2 expression and cardiac contractility by miR-29c”
(Co-authors: Chad B. Walton, Abigail Avelar, Ralph V. Shohet)

RESEARCH ASSOCIATES

Cherisse Ito Kazuma Nakagawa QMC
Abstract: “Ethnic disparities in the use of tissue plasminogen activator among young adult stroke patients in Hawaii”

Tiffany L. Shieh Bruce Shiramizu TRMD
Abstract: “Association between minimal, residual disease and mitochondrial DNA in childhood B-CELL lymphoma”
(Co-authors: Miki Ueoka, Kelli Kaneta, Christie Nakamura, Jason Kuroda, Melissa Agsaldo-Garcia)

GRADUATE STUDENTS

Naghum Alfulaij Robert Nichols CMB/Neuroscience
Abstract: “Neuroprotection by a N-terminal fragment of beta amyloid”
(Co-Authors: G Yoshikawa, J Cheng, K Arora, RA Nichols)

Richard B. Alboroto Susana Helm Psychiatry

Chantell Balaan Monika Ward ANAT
Abstract: “Alterations in behavior relating to Autism Spectrum Disorder (ASD) in mice conceived by in-vitro fertilization (IVF)”
(Co-authors: Michael J. Corley, Yasuhiro Yamauchi, Tiffany Eulalio, Kaahukane Leite-ahyo, Alina P.S. Pang, Arika Maunakea, Monika A. Ward)

Glen Chew Lishomwa Ndholu TRMD
Abstract: “The expression kinetics of the negative checkpoint receptor TIGIT during the evolution of acute SIV infection”

Lauren Ching Mukesh Kumar TRMD
Abstract: “Virus-induced Schlafen genes and their role in replication and pathogenesis”
(Co-authors: Laura Hughes, OK Sarah Shin, Vivek Nerurkar, Mukesh Kumar)
Christopher D.H. Chow  Denise Nelson-Hurwitz  PH
Abstract: “Promoting school-based hearing screenings among Hawaii’s youth”

Christian Dye  Aikena Maunakea  NHH
Abstract: “Methyolic profile in monocytes of HIV-infected adults associates with cardiovascular disease risk”
(Co-authors: Michael Corley, Annette Lum-Jones, Wei Zhang, Mary Margaret Byron, Cecilia Shikuma, Lishomwa Ndhlovu, Aikena Maunakea)

Marlee Jo Elston  Johann Urschitz  IBR/CMB
Abstract: “A novel transgenic mouse model of in-vivo inducible placental glucose transport knockdown”
(Co-authors: Ilko Stoychev, Joel Marsh)

Kelly H. Forest  Robert Nichols  CMB/Neuroscience
Abstract: The receptor-linked calcium response and neuroprotective action of a hexapeptide core sequence within beta amyloid
(Co-authors: N Alfulaij, JLM Lawrence, K Arora, RA Nichols)

Brent A. Fujimoto  Ben Fogelgren  ANAT
Abstract: “Investigating the importance of the exocyst complex component Sec10 during glucose uptake in mouse skeletal muscle cells”
(Co-authors: Noemi Polgar, Amanda Lee, Ben Fogelgren)

Ting Gong  Marla Berry  CMB
Abstract: “The role of selenoprotein M in hypothalamic leptin signaling”
(Co-authors: Matthew Pitts, Marla Berry)

Brandee M. Goo  Nicolas James  CMB
Abstract: “Elucidating the molecular mechanisms of AMPAR endocytosis through Arc/PICK1 interaction”
(Co-authors: Barbara Barlyko, Diana Holden, David M. Jameson, Joseph P. Albanesi and Nicholas G. James)

Herena Y. Ha  Lucia A. Seale  CMB
Abstract: “Selenoproteins, pyruvate cycling, and insulin signaling in the hypothalamus of selenocysteine lyase knockout mouse”
(Co-authors: Ashley N. Ogawa-Wong, Ann C. Hashimoto, Marla J. Berry)

Malina J. Ivey  Michelle Tallquist  CMB/CCR
Abstract: “Elucidating the role of platelet derived growth factor receptor alpha signaling in cardiac fibroblasts”

Jill T. Kuwabara  Michelle Tallquist  CMB.CCR
Abstract: “Loss of fibroblasts impairs heart function”

Nelson B. Lazaga  Vivek Nerurkar  TRMD
Abstract: Infection, characterization and pathogenesis in in-vitro Urine-derived rearranged human polyomavirus JC”
Amanda J. Lee
Abstract: “Sec10 knockout in urothelial cells causes arrest of cellular differentiation in a mouse model of congenital obstructive nephropathy”
(Co-authors: Noemi Polgar, Josephine A. Napoli, Vanessa H. Lui, Kadee-Kalia Tamashiro, Brent A. Fujimoto, Ben Fogelgren)

Aileen S.W. Li
Abstract: “Adverse effect of valproic acid on an in vitro gastrulation model entails activation of retinoic acid signaling: a potential mechanism for its teratogenic action”
(Co-author: Yusuke Marikawa)

Liana Medina
Abstract: “Expression of Recombinant Lassa Virus Nucleoprotein and Glycoprotein for Use in Diagnostic assays and Vaccines”
(Co-authors: Kenji Obadia Mfuh, Teri Ann S. Wong, Madhuri Namekar, Axel T. Lehrer)

Kenji Obadia Mfuh
Abstract: “Flipping the switch to accurately diagnose malaria: A comparison of clinical diagnosis, rapid diagnostic test, microscopy and PCR in the diagnosis of malaria in Cameroon”
(Co-authors: Olivia A. Achonduh-Atijegbe, Mbakop Calixt, Rose G. Leke, Diane W. Taylor and Vivek R. Nerurkar)

Kenji Obadia Mfuh
Abstract: “Developing a saliva based Diagnosis of malaria”
(Co-author: Livo F. Esemu, Samuel Tassi Yunga, Jessica Yonga, Jean-Claude Djontu, Bekindaka Obase, Mbakop Calixt, Palmer Masumbe Netongo, Diane W. Taylor, Vivek R. Nerurkar and Rose G. Leke)

Josephine A. Napoli
Abstract: “Loss of Sec10 impairs urothelial differentiation, leading to tissue damage, wound healing, and prenatal UPJ obstruction”
(Co-authors: Vanessa Lui, Amanda Lee, Noemi Polgar, Brent Fujimoto, Kalia Tamashiro, Ben Fogelgren)

Hieu Nguyen
Abstract: “The DNA licensing protein ORC4 is required for polar body extrusion”
Co-authors: Nicholas James, Lynn Nguyen, Thien P. Nguyen, Cindy Vuong, Joel Marh, Michael Ortega

Robert W. Oda
Abstract: “An In-Vitro blood brain barrier (BBB) model to characterize HIV-Infected monocyte transmigration”
(Co-author: Melissa Agsalsa-Garcia)

Ashley Ogawa-Wong
Abstract: “Sex differences in metabolic syndrome development in the selenocysteine lyase knockout mouse”
(Co-authors: Hedrena Ha, Ann C. Hashimoto, Lucia A. Seale, Marla Berry)
Egle A. Ortega, Monika Ward, ANAT
Abstract: “Sox9 driven testis differentiation in the context of XO”
(Co-authors: Victor A. Ruthig, Mayumi Fernandez, Monika A. Ward)

Alina Pang, Alika Maunakea, CMB/NHH
Abstract: “Investigating Immunoepigenetic changes in children with refractory epilepsy treated with the ketogenic diet”
(Co-authors: Michael Corley, Miki Wong, Annette Lum-Jones, Ka’ahukane Leite-Ahoy, Christian Dye, Lisa Abbott, Rob Miyamoto, Ryan Lee, Alika Maunakea)

Jourdan K. Posner, Sandra Chang, TRMD
Abstract: “PRR ligands drive the maturation of human transitional B cells”

Jourdan K. Posner, Sandra Chang, TRMD
Abstract: “The effect of possible vaccine adjuvants on transitional B cells and their importance to the germinal center reaction”

Amanda Reyes, Lucia Seale, CMB
Abstract: “Investigation of amino acid transporters in the gut of an euryhaline aquaculture species, the Mozambique tilapia (Oreochromis mossambicus)”
(Co-authors: Andre Seale, Lucia Seale)

Victor A. Ruthig, Monika Ward, IBR/ANAT
Abstract: “Quantitative assessment of spermatogenesis in testicular biopsies from azoospermic men to validate a mouse model for human male infertility”
(Co-author: Monica Ward)

Bethany J. Sanstrum, Nicholas James, CMB
Abstract: “Using fluorescence microscopy to determine the role of enhanced kinase activity and self-association of mutant LRRK2 in Parkinson’s Disease”
(Co-authors: Barbara Baryliko, Joseph P. Albanesi, Matthew Goldberg, Nicholas James)

Priscilla S. Seabourn, Vivek Nerurkar, TRMD
Abstract: “Epigenetic regulation of archetype polyomavirus JC”
(Co-authors: Nelson Lazaga, Vivek R. Nerurkar)

Briana K. Shimada, Takashi Matsui, ANAT
Abstract: “Loss of cardiac mTOR leads to impaired calcium transients and contractile dysfunction”
(Co-authors: Yuichi Baba, Jason Higa and Takashi Matsui)

David N. Siemann, Saguna Verma, TRMD
Abstract: “Discovery of ligands specific to triggering receptor expressed on myeloid cells-1 (TREM-1) and their role in innate immunity to West Nile Virus (WNV)”
(Co-authors: Carissa Nakao and Chih-Yun Lai)

Shayne J. Silva, Yukiko Yamazaki, DRB/ANAT
Abstract: “Direct effects of primordial follicle activators & suppressors on oocyte growth in-vitro”
Micah E. Tepra  Pramila Walpita  TRMD
Abstract: “Safety and protective efficacy of respiratory syncytial virus-like particles (RSV VLPs) in a murine model”

Albert To  Chung Eun Ha  TRMD/NHH/MBBE
Abstract: “Methylglyoxal-modification of human serum albumin alters bilirubin binding”

Daniel J. Torres  Frederick Bellinger  CMB
Abstract: “Measuring dopamine responses to methamphetamine in mouse nucleus accumbens”
(Co-authors: Stephanie Barayuga, Rachel Rueli, David Hedges, Nathan Schilaty, Jordan Yorgason, Marilou Andres, Scott Steffensen, Frederick P. Bellinger)

Alanna Tseng  Palieli Kaufusi  MBBE/TRMD
Abstract: “West Nile Virus NS4B regulates the retention of NS5 in virus-induced replication organelles”
(Co-authors: Palieli Kaufusi, Vivek Nerurkar)

Erica Warkus  Yusuke Marikawa  ANAT
Abstract: “Auguries of innocence: A morphology-based test to identify potential teratogens in vitro”
(Co-author: Yusuke Marikawa)

Jonathan K. T. Yap  William Boisvert  CMB/CCR
Abstract: “Binding of low molecular weight hyaluronic acid to macrophage chitinase 1 exhibits anti-atherosclerotic properties”
(Co-authors: William Boisvert, Shiro Kitamoto, Sara Mccurdy, Whitney Regan, Martin Alcala, Jan Garo)

Han Ha Youn  Wei-Kung Wang  TRMD
Abstract: “Characterization of C-terminally truncated dengue virus type 1 envelope proteins in drosophila S2 cells”
(Co-authors: Wen-Yang Tsai, Yi-Chieh Wu)

UNDERGRADUATES

Draven L. Aquino  Matthew Tuthill  KCC
Abstract: Immunological and Functional Studies on a Campylobacter jejuni Invasion Antigen: Peb1a
(Co-authors: Brent Shigano, Thomas Premeaux)

Sakaria Auelua-Toomey  James Campbell/Kristin Parker  Psychology

Leslie Auyong  Dick Teshima  Medical Technology
Abstract: “Comparison of Urinary Specific Gravity Readings by Different Methods”
(Co-authors: Leslie Auyong, Lacey Callejo, Phuong Lam, Claire Y. Ying, Dick Teshima)

Donovan S. Balderama  Li/Colmenares  WCC
Abstract: “Analysis of phytochemicals in tradescantia zebrina and their antioxidant and antibacterial properties”
(Co-authors: Hongwei Li, Leticia Colmenares)
Valerie Balkan  Lisa Kaluna  UH Hilo Pharmaceutical Sciences
Abstract: “Evaluation of the antibacterial properties of ‘Uhaloa Infusion and extract”
(Co-author: Nathan Sunada, Mayuramas Sang-Ngern, Helen Wong Smith, Supakit Wongwiwatthananukit, Lisa Kaluna, Leng Chee Chang)

Christian Bautista  Helmut Kae  LCC
Abstract: “Virus isolation from sewage water”

Allexandria Blacksmith  Susan Jarvi  UH Hilo Pharmaceutical Sciences
Abstract: “Number and species of paratenic hosts infected with Rat Lungworm Disease in Hawai’i County”

Stephanie Cacal  Jeffery Acido  PH
Abstract: Kalusugan at Kayamanan (Health and Wealth) of Filipinos in Kalihi – Kokua Kalihi Valley

McMillan N. Ching  Axel Lehrer  TRMD
Abstract: “Expression of yeast-phase antigen in liquid culture and in THP-1 cell line determine the time-dependent phase transition of dimorphic *Penicillium marneffei*”
(Co-author: Axel T. Lehrer, Wiyada Dankai, Kritsada Pruksaphon, Sirida Youngchim)

Christopher D. Chow  Denise Nelson-Hurwitz  PH
Abstract: “Promoting school-based hearing screenings among Hawai’i’s youth”

Hye Won Chung  Susana Helm  Psychology
Abstracts: “Mental health stigma perceived by rural health professionals”

Samantha K. G. Esperanza  Richard Yanagihara  TRMD
Abstract: “Prevalence of human polyomavirus JC and BK infection in chronic kidney disease patients in Bangkok”
(Co-author: Gunn Pornratananont, Nuankanya Sathirapongsasuti, Nelson Lazaga, Richard Yanagihara, Vivek R. Nerurkar)

Michael D. Faundo  Axel Lehrer  TRMD
Abstract: “Expression of recombinant glycoproteins from new world Hantaviruses using stably transformed insect cells”
(Co-authors: Liana Medina, Albert To, Teri Ann S. Wong, Axel T. Lehrer)

Hilario Franco & Cody Shinsato John Berestecky  TRMD/KCC
Abstract: “A Bloody Mess: Investigating type VI secretion prevalence in *Campylobacter* isolates from Hawaii”
(Co-authors: Rebecca Kanenaka, Daniel Strange)

Shaylyn C. Fujii  Daniela Guendisch  UH Hilo Chemistry
Abstract: “Affinity evaluation of novel nicotinic acetylcholine receptor ligands”
(Co-author: Daniela Guendisch)

Ashley Fukuchi  Leng Chee Chang  UH Hilo Pharmacy
Abstract: “Evaluation of the antioxidant activity of fucose-containing sulfated polysaccharides (FCSPs) from Hawaiian marine algae”

Eman Gabour Sharad P. Marahatta Kaua‘i CC
Abstract: Can Reniform and beneficial nematodes are managed by sunn hemp, Crotalaria juncea?

Leilani A. Galicia Kabi Neupane LCC/CTAHR
Abstract: “In vitro fermentation of Cassava and its silages to determine their effect on the intestinal microbiota of chicken”
(Co-authors: Tyler Peterson, Rajesh Jha, Julio Berrocoso)

Kendrick V. Go Bruce Shiramizu TRMD
Abstract: “Assessing the clinical significance of HPV quantitation in HIV-associated anal dysplasia”
(Co-authors: Melissa Agsalda-Garcia, Eleanore Chuang, Bruce Shiramizu)

Emily Graham R. Allen & P. Fisher UH Maui College
Abstract: “Isolation of fluorescence labeled proteins from reaction mixtures using reversed-phaser, high performance liquid chromatography (RP-HPLC)”
(Co-authors: Priscille Biloa Ndjomo, Travis Lovato, Adriel Robidoux)

Rachel A. Gristock Aaron Jacobs UH Hilo Pharmacy
Abstract: “Role of c-Myc in JNK-1/2-induced apoptotic cell death”
(Co-authors: Aaron Jacobs, Christina Wales)

Terrence Guanio Susana Helm Psychiatry
Abstract: “Drug prevention with native Hawaiian youth through their eyes: A photovoice project”

Brian Haun John Berestecky KCC
Abstract: “Addressing challenges in the development of designer antibodies”
(Co-authors: Scott O’Farrell, Thomas Premeaux)

Erik K. Henze Yongli Chen HPU
Abstract: “A single residue in the TM2 region of the α3β4 nAChR modulates its sensitivity to PTZ”
(Co-authors: Brendan Ito, Junhao Huang, Yongli Chen)

Deborah Higa Leticia Colmenares WCC
Abstract: “Arsenic Exposure in Hawaii”

Jacob R. Hillegass Leticia Colmenares WCC
Abstract: “Isolation and identification of β-Sitosterol in Alpinia Purpurata”

Angelina M. Holcom Yukiko Yamazaki IBR/ANAT
Abstract: “Strontium-Induced calcium signaling promotes in vitro oocyte growth in mice”

Khue S. Huynh & Liping Wang Helmut Kee LCC
Abstract: “Extraction and evaluation of antibacterial properties of native hawaiian plants”

Amber E. Ichinose Leticia Colmenares WCC
Abstract: “An improved method for measuring oxidative stress survival in S. cerevisiae”

Chaewon Im    Bruce Shiramizu    TRMD
Abstract: “HPV genotyping and anal HPV prevalence in the Thai Red Cross Test & Treat Cohort”
(Co-authors: Eleanore Chuang, Rapeeporn Wongkanya, Supanit Pattanachaiwit, Tippawan Pankam, Supabhorn Pengnonyang, Kanitta Pussadee, Deondara Trachunthong, Stephen Kerr, Bruce Shiramizu1, Nittaya Phanuphak)

Yuko Imaizumi    Linda Connelly    HCC
Abstract: “Investigating cancer metastasis using the chick embryo model”
(Co-authors: Stephanie Tsang Mui Chung, Ashleigh Renaud, Linda Connelly)

Brandon S. Itô    Yongli Chen    HPU
Abstract: “Characterization of mutated NMDA receptors: implications for epilepsy”
(Co-author: Yongli Chen)

Mikayla J. Jones    Aaron Jacobs    UH Hilo Pharmaceutical Science
Abstract: “Regulation of extracellular matrix gene expression and biosynthetic pathways in pulmonary fibroblasts by HSF1”
(Co-authors: Christina T.K. Wales, Rachel A. Gristock)

Anyssa Keliikiipi & Shay Nakamura    Helmut Kae    LCC
Abstract: “Isolation and extraction of bacteriophages from chicken feces”

Janal M. Kim    Zoia Stoytcheva    IBR/ANAT
Abstract: “Assessing miRNA role in etiology of heart disease via regulation of selenoproteins gene function”
(Co-authors: Christine Archer, Borislava Stoytcheva, Sunja Kim, Zoia Stoytcheva)

Uliana Kostareva    Allison Beale    WCC
Abstract: Temporal and spatial reproductive segregation of female Bigeye Scad (Selar crumenophthalus) & Bigscale Soldierfish (Myripristis berndti) in Hawai‘i.
(Co-author: Allison Beale)

Cody Kualii    Dann-Lynn Koomoa Lange UH Hilo Pharmaceutical Science
Abstract: “Hawaiian medicinal plant extracts modulates macrophage differentiation in THP-1 monocytic immune cells”

Mark Lee    Jane M.M. Onoye    Psychiatry
Abstract: “Ethnocultural differences in later-life caregiving expectations, caregiver burden, family dynamics and healthcare decision making factors”
(Co-authors: Mika Thompson, Davis Reuhuer, Jane Onoye)

Candice Malabad    Kabi Neupane    LCC/CATHR
Abstract: “Effects of in vitro fermentation of alternative feedstuffs on intestinal microbiota of chicken analyzed using 16S ribosomal DNA typing”
(Co-authors: Karla Balagso, Rajesh Jha, Julio Berrocoso)
Cynthia Li  Sandra Chang  Biology/TRMD
Abstract: “Exploring the Impact of Toll-Like Receptor Signaling on Memory B Cell Proliferation and Cytokine Secretion”

Christina L. Martiney  Sharad P. Marahatta  Kaua’i CC
Abstract: “Influence of sunn hemp and pigeon pea on beneficial nematodes”

Nicole J. Middleton  Kazutoshi Fujioka  WCC
Abstract: “Oxidative and thermal stability of astaxanthin: Effect of antioxidants”

Jacob Morton  John Berestecky  KCC
Abstract: Gene Expression Analysis of Campylobacter jejuni in the presence of Eukaryotic Cells (Co-author: Daniel Laspisa)

Nicholas J. Muneno  Joanne Yew  PBRC
Abstract: “Effects of long term exposure to Male Sex Pheromones on Triacglyceride Content and Fertility in Drosophila melanogaster”

Kellyan N. Nguyen  DeWolfe Miller  TRMD
Abstract: Detection of hepatitis E virus in farm animals and raw pork from markets in Western Thailand (Co-authors: Pornsawan Leaungwutiwong, Narin Thippornchai, F. DeWolfe Miller, Vivek R. Nerurkar)

Kristen Nguyen  Helmut Kae  LCC
Abstract: “Isolation and identification of Taro (Colocasia esculenta) genes”

Torbjoern N. Nielsen  Monika Ward  IBR/ANAT
Abstract: “Quantitative assessment of cell populations in the seminiferous epithelium of infertile male mice with minimal or no Y chromosome gene contribution” (Co-authors: Victor A Ruthig, Monika A Ward)

Andrew T. Pham  Peter Hoffmann  CMB
Abstract: “Determining whether the rs9880056 SNP in the Selenoprotein K gene region is functional” (Co-authors: FuKun Hoffmann, Aaron Rose, Peter Hoffmann)

Kevin Pham  Olivier Le Saux  CMB
Abstract: Pyrophosphate supplementation prevents soft tissue calcification in Abcc6−/− mice (Co-authors: Viola Pomozzi, Christopher Brampton, Koen van de Wetering, Janna Zoll, Bianca Calio, Olivier Le Saux)

Tiana L. Ramos & Destiny Armstrong & Cameron Ryan  Helmut Kae  LCC
Abstract: “Isolation and identification of antimicrobial producing microbes from O‘ahu soil” (Co-authors: Helmut Kae, Kabi Neupane, Alyssa Haygood, Bradley Ashburn)

Ashleigh Renaud  Linda Connelly  UH Hilo Pharmaceutical Science
Abstract: “Investigating the Role of Osteoprotegerin Production in Colon Cancer” (Co-author: Stephanie Tsang Mui Chung)
Adriel Robidoux &
Priscille B.Mdjomo

Emily Graham & Travis Lovato  Sally Irwin  UH Maui College
Abstract: “The effects sodium sulfite and sodium bisulfite on four species of beneficial gut bacteria”
(Co-authors: Peter Fisher, Sally Irwin)

Borislava Stoytcheva  Vanessa Douet  Medicine/MRI Neuroscience Research
Abstract: “Longitudinal Assessment of Cognitive Performance Associated with Adolescent Marijuana Use”
(Co-authors: Christine Cloak, Vanessa Douet, Thomas Ernst, Linda Chang)

Adam Swanson & Joy Bowden  Gideon Berger  HPU
Abstract: “Intraomolecular Hetero-Diels Alder Reaction of Oxime Ether Adducts and the Nazarov Cyclization on Divinyl Diketones; Methodology based upon 2-Formyl-2-Cyclohexene core”
(Co-authors: Rebekah DeRose, Hannah Schuett, Helmi Merkhi, Gideon O. Berger)

Peggy Su  Zoia Stoytcheva  IBR/ANAT
Abstract: “Mechanisms regulating transcription factors Six2 and Six3”
(Co-author: Janal Kim, Zoia Stoytcheva)

Anela Tector  Lei Wang  HPU
Abstract: “Expression and purification of full-length arc protein”
(Co-authors: Lei Wang, David Horgen, Yongli Chen, Gideon Berger, Christian Wong, Jacob Nelsen, Mai Saito, and Rebeca Stanciu)

Caitlyn A. Tobita  Helen Turner  Chaminade University
Abstract: “Larval age determination in forensically-important insect species using biochemical and fluorescence microscopy techniques”
(Co-authors: Danielle Flores, Amy L. Miller, Angelique Showman, Lori M. N. Shimoda, Carl Sung, Alexander J. Stokes, Jeffrey K. Tomberlin, David Carter, Helen Turner)

Dustin Vuong  Pattaraporn Chun  Psychology/Microbiology
Abstract: “Neurodevelopmental outcomes of very-low-birth-weight (VLBW) infants at Kapiolani Medical Center for Women and Children”
(Co-authors: Mari Uehara, Pattaraporn Chun)

Christian Won  Lei Wang  HPU/WCC
Abstract: “Improved production of Arc (208-358) protein using modified purification method of TEV protease”
(Co-authors: Leticia Colmenares, Lei Wang)