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

Faculty

Hyeong Jun Ahn BDMC
(Co-authors: Tetine Sentell, Hyeong Jun Ahn, Jill Miyamura, Deborah Juarez)
Abstract: Cost Variation in Preventable Hospitalizations for Cardiovascular Disease and Diabetes in Asian Americans and Pacific Islanders.

Samina Ahsan Geriatric Medicine
( Co-authors: Barbara Bates-Jensen, Kamal Masaki)
Abstract: Curriculum Development in Skin and Wound Care.

Cheryl Albright Nursing/PH
( Co-authors: LR Wilkens, K Saiki, R Wada)
Abstract: Using New Online Technology (Google TV-Streaming Exercise Videos) to increase Physical Activity in Healthy Postpartum Women: Results From a NIH, STTR Phase 2 Grant.

Venus Bermudo PH
( Co-authors: Tetine Sentell, Mary Guo, Anita Kabua, Ann Chang, Jill Miyamura)
Abstract: Use of Quality in the Maternal Delivery Decision: Interviews with Asian American and Pacific Islander New Mothers.

Lee Buenconsejo-Lum Family Medicine
( Co-authors: Guangxiang Zhang, Angela Sy, Carolyn Ma, Brenda Hernandez)
Abstract: Reducing Health Disparities in Female College Students HPV Immunization Rates: Results of a baseline survey on knowledge, HPV vaccination and decision-making.

James Davis BDMC
(Co-authors: Ranjani Starr, Deborah T. Juarez)

Keith Fong
ANAT
(Co-Authors: Robert Hufnagel, Shaun B. Chang, Lauren Kida, Zubair Ahmed and Scott Lozanoff)
Abstract: Insufficient Closure of the Neural Tube Associated with a Mutation in the Tet1 Methylcytosine Dioxygenase Gene in the Tuft Mouse.

Mary Guo
PH
(Co-authors: Venus Bermudo, Anita Kabua, Ann Chang, Jill Miyamura, Tetine Sentell)
Abstract: Constraints and Satisfaction in the Maternal Delivery Decision: Opportunities for Consumer Use of Hospital Quality Information.

Deborah Juarez
College of Pharmacy-UH Hilo
(Co-authors: Jason Seto, Jeff Kusaka, Todd Seto)
Abstract: Assessing Attitudes Toward Use of Mobile Technologies Among Patients with Cardiovascular Disease in Hawai‘i.

Wen Kang
PH
(Co-author: Yuanan Lu)
Abstract: Lentiviral Vector-mediated Anti-HIV-1 Tat Minibody Gene Modified Macrophages Protects against Tat Induced Neurotoxicity and HIV-1 Virus Challenge In Vitro.

Pakieli Kaufusi
TRMD
(Co-authors: Alanna Tseng and Vivek R. Nerurkar)
Abstract: West Nile Virus Infection and Expression of Viral Proteins Initiates Disassembly of Golgi Apparatus

Kumar Mukesh
TRMD
(Co-authors: Maile O’Connell, Vivek Nerurkar)
Abstract: Differential Antiviral, Inflammatory and Pathological Responses in Lethal and Non-Lethal West Nile Virus Infections in Mice.

Si Sun
PH

Jody Takemoto
CMB
(Co-authors: J Wang, DL Jacobson, TL Miller, ME Geffner, RB Van Dyke, DE Libutti, PG Graham, MGerschenson)
Abstract: Insulin Resistance in HIV-Infected Youth is Associated With Decreased Mitochondrial Respiration.

**Apichai Tuanyok**  
TRMD  
(Co-authors: Kanchana Poonsuk, Tung T. Hoang, Molly Bollig, Christopher Allender, Paul Keim, Vanaporn Wuthiekanun, Direk Limmathurosakul, Richard Yanagihara, Vivek Nerurkar)  

**Randal Wada**  
Pediatrics/Nursing  
(Co-authors: Glaser, CL Albright)  
Abstract: Translational Behavior Research With Pediatric Oncologists: Using Evidence-based Methods and EMR to Facilitate Stage-Based behavior Change With Survivors of Childhood Cancer.

**Fellow Physicians**

**Emmanuel Kling**  
Sheree Kuo  
Pediatrics  
(Co-authors: Sheree Kuo)  
Abstract: Do Prenatal Vitamin and Sun Exposure Protect Hawai‘i Newborns from Vitamin D Deficiency.

**Matthew Loichinger**  
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Obstetrics/Gynecology  
Abstract: Placental α-Klotho across gestation.

**Pai-Jong(Stacy) Tsai**  
G. Bryant-Greenwood  
Obstetrics/Gynecology  
(Co-authors: James Davis, Gillian Bryant-Greenwood)  
Abstract: Systemic and Placental Leptin and its Receptors in Pregnancies Associated with Obesity.

**Resident Physicians**

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(Co-authors: Hiroko Shinoda, Diane Chen, Alda Lam, Steven Namiki, Pamela Tauchi-Nishi)  

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Pathology
(Co-authors: Sarah Carlile, Christopher Lum, Ricky Kaneshiro, Eiji Matsubara, Riruke Maruyama, Pamela Tauchi-Nishi)
Abstract: Squamous Cell Carcinoma of the Bladder: Cytologic and Interphase Cytogenetic Report Of Cases and Literature Review.

Lynnette Johnson Lynn Iwamoto Pediatrics/Neonatology
(Co-authors: Maya Yamane, Eric Lau, Guangxiang Zhang, Lynn Iwamoto)
Abstract: Identification of Late-Onset Hearing Loss in Very Low Birth Weight Infants.

Chrisy Mafnas Pamela Tauchi-Nishi Pathology
(Co-authors: Alda Lam, Raynette Kaneshiro, Pamela Tauchi-Nishi)

Wichit Sae-Ow Pamela Tauchi-Nishi Pathology
(Co-authors: Kelsey Ige, Diane Chen, David Shimizu)

Matthew Uechi Kamal Masaki Geriatric Medicine
(Co-authors: Michiko Inaba, Randi Chen, Webster Ross, Lon White, Robert Abbott, Helen Petrovitch, Lenore Launer, Christina Bell, Kamal Masaki)
Abstract: Slow Reaction Time Increases Risk of Incident Dementia: The Honolulu-Asia Aging Study.

Kara Wong Ramsey TJ Slavin/Laurie Seaver Pediatrics
(Co-authors: Matthew H. Loichinger, Thomas P. Slavin, Sheree Kuo, Laurie H. Seaver)
Abstract: The Perinatal Presentation of Cardiofaciocutaneous Syndrome.

Medical Students

Nikki Castel Chad Walton CCR
(Co-authors: Ralph Shohet, Chad Walton)
Abstract: Myocardial Infarctions Induced by High Intensity Focused Ultrasound.

Chih-Wei Chang Scott Lozanoff ANAT
(Co-authors: Gregory Atkinson, Niket Gandhi, Michael Farrell, Selcuk Tunali, Steven Labrash, Neil S Norton, Scott Lozanoff)
Abstract: Computerized 3D Anatomical Modeling using Cone Beam Computed Tomography (CBCT) Scans of Plastinated Hearts.

Trudy Hong Scott Lozanoff ANAT
(Co-authors: Brennan Takagi, Thomas E. Hynd, Keith Fong, Ben Fogelgren, Kazuaki Nonaka)
Abstract: Differential Gene Expression in Mice With Heritable Cleft Lip and Palate.
Caleb Jeon    Lisa Kim  Pathology
(Co-authors: Lisa Kim, Jae You)
Abstract: IGA Nephropathy Associated With Cetuximab, an Epidermal Growth Factor Receptor Inhibitor: Case Report and Literature Review.

Courtney Kandler    Brenda Hernandez  UHCC/Epidemiology
Abstract: Micronutrient Status Protection Against Human Papillomavirus in Men.

Gene Kurosawa    Thomas Slavin  Pediatrics
(Co-author: Thomas Slavin)
Abstract: Angiomyolipomas: Are TSC1 and TSC2 to blame?

Christina Marzo    Pamela Tauchi-Nishi  Pathology
(Co-authors: David Shimizu, Pamela Tauchi-Nishi)
Abstract: Epidemiology of Molar Pregnancy in Hawaii and the Pacific.

Elizabeth Nakasone    Beau Nakamoto  Hawaii Center for Aids
(Co-authors: Lishomwa Ndlovu, Jody T. Takemoto, Louie Mar A. Gangcuangco, Beau K. Nakamoto, Kalpana J. Kallianpur, Dominic C. Chow, Bruce Shiramizu, Mary Margaret Bryon, Cecilia Shikuma, Mariana Gerschenson)
Abstract: CD14low/+ CD16− and CD14+CD16++ Monocyte Subsets in HIV-Positive Patients are Associated with Oxidative Phosphorylation Enzyme Activities.

Aniket Natekar    Thomas Slavin  Pediatrics
Abstract: Essential Hypertension (EH) is Thought to be a Multifactorial Disease, Indicating that Many Genetic and Epigenetic Factors Affect the Initiation and Continuance of the Disease.

Neil Onizuka    Linda Wong  Surgery
(Co-authors: (Jae You, Linda Wong)

Marissa Sakoda    K. J. Kallianpur  Hawaii Center for AIDS
(Co-authors: Louie Gangcuangco, Cecilia Shikuma, Dominic Chow, Suwarat Wongittraporn, Kalpana Kallianpur)
Abstract: Altered Regional Brain Volumes Correlate With Frailty in HIV-Infected Patients.

Steffan Soosman    Kamal Masaki  Geriatric Medicine
(Co-authors: Meredith N. Braskie, Jeffry Alger, Yvette M. Bordelon, David Wharton, John M. Ringman)

Erica Warkus    Yusuke Marikawa  Anatomy
(Co-authors: Caroline C.G. Lau, Yusuke Marikawa)
Abstract: Use of In Vitro Morphogenesis of Murine Stem Cells to Model Teratogenic Effects of Psychoactive Drug.

**Dayton Wong**  
Thomas Slavin  
Pediatrics  
(Co-authors: SM Johnson, D Young, L Iwamoto, S Sood, S Slavin)  
Abstract: Expanding the BP1-BP2 15q11.2 Microdeletion Phenotype: Tracheoesophageal Fistula and congenital Cataracts.

**Jennifer Wong**  
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Hawaii Center for Aids  
(Co-authors: Louie Mar A. Gangcuangco, Dominic C. Chow, Cecilia M. Shikuma)  
Abstract: The Association of HIV Status with Body Composition.

**Jonathan Wong**  
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Geriatric Medicine  
(Co-author: James Murphy)  
Abstract: Age Disparity in Palliative Radiotherapy Amongst Elderly Patients with Advanced Cancer.

**Jae You**  
Patrick Pedro  
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(Co-authors: D Murariu, B Tatsuno, P Pedro, M Hayashi, G Maldini, J Balfour)  
Abstract: Proposed Mechanism for Small Bowel Diverticula Perforation.

**Jae You**  
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Surgery  
(Co-authors: D Murariu, M Cooper, S Nishida, E Masuda)  
Abstract: Treatment of Median Arcuate Ligament Syndrome Via Traditional and Robotic Techniques.

**Angela Yuen**  
Yusuke Marikawa  
ANAT  
(Co-authors: D Murariu, B Tatsuno, P Pedro, M Hayashi, G Maldini, J Balfour)  
Abstract: Antidepressant Mianserin Alters Morphology and Gene Expression Patterns in Mouse Stem Cell Embryoid Bodies.

**Post-Doctoral Fellows**

**Komal Arora**  
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CMB  
(Co-authors: Justin Cheng, Robert A Nichols)  
Abstract: Characterization of intracellular signaling in an *in vitro* presynaptic model expressing nicotinic receptors on prolonged exposure to beta amyloid.

**Se Hun Gu**  
Richard Yanagihara  
TRMD  
(Co-authors: Satoru Arai, Hon-Tsen Yu, Burton Lim, Jin-Won Song, Richard Yanagihara)  
Abstract: Genetic Diversity and Geographic Distribution of Hantaviruses Harbored by the Chinese Mole Shrew.

**Jaime Horton**  
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(Co-authors: J Barnhill, AJ Stokes)
Abstract: The Role of Transmembrane Channel-like Protein 8 in Epidemysplasia Verruciformis and Progression to Cutaneous Squamous Cell Carcinoma.

**Nicholas James**  
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(Co-author: David Jameson)
Abstract: Self-Association and Dynamin Binding of Arc/Arg3.1.

**Jose Lopes**  
David Jameson  
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(Co-authors: AF Garcia, AJ Costa-Filho, BAWallace, APU Araújo)
Abstract: Probing S100A12 Interactions With Model Membranes.

**Estelle Martin**  
Shannon Bennett  
TRMD  
(Co-authors: Shannon Bennett, Duane Gubler, Gilberto Santiago, Jorge Munoz-Jordan, Juliene KG Co)
Abstract: New Insights into the Molecular Evolution of Dengue Virus Type 4 in Puerto Rico over two Decades of Emergence.

**Estelle Martin**  
Vivek Nerurkar  
TRMD  
(Co-authors: Shannon Bennett, Vivek R. Nerurkar, Chaz Kuniyoshi, Korina Hernandez, Ruy Sato, Diane Canyon)
Abstract: Vector competence of *Aedes albopictus* to dengue virus type 1 on Oahu, Hawaii.

**Noemi Polgar**  
Ben Fogelgren  
ANAT  
(Co-authors: Amanda J. Lee, Vanessa H. Lui, and Ben Fogelgren)
Abstract: Depletion of Exocyst Component Sec10 in Renal Epithelial Cells Results in Increased Apoptotic Sensitivity, Basal Lamina Defects and Basal Cell Extrusion.

**Isabelle Tomassoli**  
Daniela Guendisch  
College of Pharmacy/Hilo  
(Co-authors: Christoph Eibl, Joshua Wu, Kwok-Yiu Ho, Elena Valdambrini, Marina R. Picciotto, Roger L. Papke, Palmer Taylor, Todd T. Talley, Daniela Guendisch)
Abstract: The Bispidine Scaffold for Nicotinic Acetylcholine Receptor (nAChR) Modulators.

**Research Associates**

**Yvonne Baumer**  
William Boisvert  
CCR  
(Co-authors: S McCurdy, M Hess, W Boisvert)
Abstract: Smooth Muscle Cell-Specific CD98 Modulates Atherosclerotic Plaque Phenotype.

**Jacqueline Bugna**  
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Chaminade University  
Abstract: Determining Cell Surface Receptors and Subsequent Cell Signaling of the Uterosacral and Round Ligaments from Non-POP Hysterectomy Patients.
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Minami Konishi  
Jane M. Onoye  
Psychiatry  
(Co-author: Jane M. Onoye)  
Abstract: Differences in Health and Health Behaviors of Parents, Children, and Grandchildren of the Hawai‘i Family Study of Cognition: A Pilot Study Utilizing Web-Based Assessment.

Allison Lawler  
Susana Helm  
Psychiatry  
(Co-authors: S Helm, W Lee, V Hanakahi, Haumana, K McCarthy, M Uemoto, NDe Ville)  
Abstract: Community-Based Participatory Action Research with Youth.

Eunjung Lim  
John J. Chen  
BDMC  
(Co-authors: Yungjun Cheng, Omar Mbowe, Hyeong Jun Ahn, Christine Reuschel, Deborah Juarez, Jill Miyamura, Todd Seto, John Chen)  
Abstract: Risk-Adjusted Models of In-Hospital Mortality for Congestive Heart Failure and Acute Myocardial Infarction in Hawaii: Value of Race/Ethnicity and Clinical Laboratory Data.

Linsey Long  
Jane M. Onoye  
Psychiatry  
(Co-author: Jane M. Onoye)  

Kyle Miyazaki  
Sandi Kwee  
UHCC/Medicine  
(Co-authors: Adrian Franke, Laurie Custer, Linda Wong, Sandi Kwee)  
Abstract: Pilot Study Comparing In-vivo Tumor Choline Metabolism Measured by PET with Ex-vivo Tissue Choline Metabolite Profiling in Primary Liver Cancer.

Reid Sakamoto  
Pamela Tauchi-Nishi  
Pathology  
(Co-authors: Lauren Sumida, Daisuke Hamatake, Diane Chen, Alda Lam, Pamela Tauchi-Nishi)  
Abstract: Metastatic Papillary Thyroid Carcinoma Diagnosed by Pleural Effusion Cytology: A Report of Cases with BRAF Mutational Analysis.

**Graduate Students**
Naghum Alfulaij Robert Nichols CMB
Abstract: Neuroprotective Action of N-terminal Fragment of Beta Amyloid.

Pavlos Anastasiadis Michelle Matter UHCC
(Co-author: John S. Allen, Michelle L. Matter)

Jacqueline Bugna Clair Kendal-Wright Chaminade University
Abstract: Determining Cell Surface Receptors and Subsequent Cell Signaling of the Uterosacral and Round Ligaments from Non-POP Hysterectomy Patients.

Eleanore Chung Bruce Shiramizu TRMD
(Co-authors: Eun Jung Lim, Cris Milne, Xuemei Zhu, Melissa Agsalda, Jeffrey Killeen, Brenda Hernandez, Bruce Shiramizu)
Abstract: High Prevalence of HPV in HIV-Seropositive Individuals from the Hawaii Center for AIDS APAP Study Cohort.

May Rose Dela Cruz Deon Canyon PH
(Co-authors: Megan Kiyomi, Inada Hagiwara, Deon V. Canyon)

Nicole DeVille Susana Helm Psychiatry
(Co-authors: S Helm, E Hishinuma, M Lauricella)
Abstract: The Need for Underage Drinking Prevention Among Indigenous and Pacific Youth in Rural Hāwai‘i.

Christian Dye Alika Maunakea MBBE/NHH
(Co-authors: Kelsea Hosoda, Michael Corley, Annette Lum-Jones, Wei Zhang, Mary Margaret Byron, Lishomwa Ndhlovu, Cecilia Shikuma, Alika Maunakea)
Abstract: Investigating the Epigenetic Basis of Elevated Monocyte Inflammation in HIV Infected Adults at Risk for Cardiovascular Disease.

Gregory Fredericks Peter Hoffmann CMB
(Co-authors: F Hoffmann, F. Hess, F Mercier, P Hoffmann)
Abstract: Stable Expression and Function of the Inositol 1,4,5-triphosphate Receptor Requires Palmitoylation by a DHHC6/Selenoprotein K Complex.

Brent Fujimoto Yusuke Marikawa ANAT/DRB
(Co-authors: Kuni Tagawa, Tom Humphreys)
Abstract: Canonical Yamanaka Reprogramming Factors in Head Regeneration in a Hemichordate.

Juliet Gardiner Claire Kendall-Wright DRB
(Co-authors: Eric Collier, Claire Wright)
Abstract: The Role of Stretch in the Maternal Regulation of Amniotic Fluid
Megan Hagiwara  Tetine Sentell  PH
Abstract: The Creation of a Framework to Study Health Equity in COFA Migrant Populations in Hawaii.

Malina Ivey  Michelle Tallquist  CMB/CCR
(Co-author: Michelle Tallquist)
Abstract: Requirement for PDGFRβ in Hepatic Fibroblasts.

Chad Jansen  Andrea Fleig  CMB/QMC
(Co-authors: Jaya Sahni, Reinhold Penner, Andrew Scharenberg, Andrea Fleig)

Yuna Johnson  Deon Canyon  PH
(Co-author: Deon Canyon)
Abstract: Communications Strategies and Management Recommendations Based on an Ecological Analysis of Football-Induced Concussion in Hawaiian and American Samoan High Schools.

Vanda Koko  Dane Taylor  TRMD
(Co-authors: Olivia A Achonduh, Kenneth Eyong, Eugenie Madiesse, Palmer Netongo, Aristid H E Mbang, Jean P Chejou, Fidelis Cho-Ngwa, Wilfred F Mbacham)

Penny Kremer  Marla Berry  CMB
(Co-authors: Matthew Pitts, Ann Hashimoto, China Byrns and Marla Berry)
Abstract: Castration Prevents Severe Neurological Dysfunction in Transgenic Mice With Compromised Selenium Metabolism.

Chih-Yun Lai  Wei-Kung Wang  TRMD
(Co-authors: Wen-Yang Tsai, Allison Imrie, Wei-Kung Wang)
Abstract: Study of Antibodies Against Envelope Protein of Dengue Virus in Polyclonal Human Sera After Primary Infection.

James Lawrence  Robert Nichols  CMB
(Co-authors: N Alfulaij, T Sherrin, C Todorovic)
Abstract: The Core Amino-acid Sequence Responsible for Synaptic Regulatory Activity of N-terminal Fragments of Beta Amyloid.

Nelson Lazaga  Vivek Nerurkar  TRMD
(Co-author: Brigitte Bollag, Richard Frisque and Vivek R. Nerurkar)
Abstract: Replication Kinetics of Archetype JC Virus Non-Coding Control Region in Primary Brain Cells and its Contributions in Mechanisms of JC Virus Pathogenesis.

Amanda Lee  Ben Fogelgren  ANAT
Abstract: Defects in Primary Cilia and Polarity in Renal Epithelial Cells Upon Inactivation of the exocyst Sec10 Gene.

**Aileen Li**             **Yusuke Marikawa**             **ANAT**
(Co-author: Yusuke Marikawa)
Abstract: Identifying New Developmental Regulators of Mouse Gastrulation.

**Yuki Michelle Lloyd**    **Wei-kung Wang**             **TRMD**
(Co-authors: Hong-En Lin, Yi-Chieh Wu)
Abstract: Epitope Accessibility and Binding Avidity of Different Human Monoclonal Antibodies to Mature and Immature DENV Particles and the Relationship to Neutralization Potency.

**Sara McCurdy**           **William Boisvert**             **CMB/CCR**
(Co-author: Y Baumer, WA Boisvert)
Abstract: The role of IL-37 in Macrophage Cytokine Production and Lipid Metabolism.

**Brooks Mitchell**        **Ndhlovu/Shikuma**             **TRMD/Hawaii Center for Aids**
(Co-authors: Lishomwa Ndhlovu, Dominic Chow, Louie Mar A. Gangcuangco, Cecilia Shikuma)
Abstract: Albuminuria Among Older Individuals with Chronic HIV Infection is Associated with an Elevation of Non-Classical Monocyte (CD14<sup>+</sup>CD16<sup>+</sup>) Subset.

**Jacob Nelson**           **Saguna Verma**             **TRMD**
(Co-authors: Beverly Grillo, Kelsey Roe and Saguna Verma)
Abstract: West Nile Virus Infection Suppresses the Expression of Chromatin Modifying Enzymes in a Cell Specific Manner: Relation to West Nile Virus Encephalitis Outcome.

**Hieu Nguyen**            **W. Steve Ward**             **ANAT/IBR**
(Co-authors: Myungjun Ko, Michael Ortega, W. Steven Ward)
Abstract: ORC4 Plays Another Role Other Than Origin Licensing In The Mouse Zygote.

**Elizabeth Nguyen-Wu**    **Frederick Bellinger**             **CMB**
(Co-authors: Rachel H. Rueli, Marla J. Berry, Frederick P. Bellinger)
Abstract: Forebrain-Specific Rescue of Selenoprotein P in Knockout Mice Restores Synaptic Plasticity.

**Robert Norton**          **Peter Hoffmann**             **CMB**
(Co-authors: Jeffrey Fay, Fukun W. Hoffmann, Greg Fredericks, Huang Zhi, Peter R. Hoffmann)
Abstract: Calpain Cleavage of ASAP2 in Macrophages is Selenoprotein K Dependent and Promotes Efficient Phagocytosis.

**Egle Ortega**            **Monika Ward**             **ANAT/IBR/DRB**
(Co-authors: Yasuhiro Yamauchi, Monika A. Ward)

Matthew Pearce  
Deon Canyon  
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(Co-authors: Sakiko Yasuda, Deon V. Canyon)  
Abstract: Leadership and Diabetes Outcomes: A Systematic Review.

Jordan Posner  
William Gosnell  
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Jordan Posner  
Sandra Chang  
TRMD  
Abstract: The Effect of Possible Vaccine Adjuvants on Transitional B Cells and Their Importance to the Germinal Center Reaction.

Michelle Quensell  
Tetine Sentell  
PH/QMC/Pharmacy-Hilo  
(Co-authors: Tetine L. Sentell, Malia M. Young, May D. Vawer, Todd B. Seto, Deborah T. Juarez)  
Abstract: Exploring Patient Perspectives about “Potentially Preventable Hospitalizations” for Heart Failure and Diabetes in a Hawai‘i Hospital.

Andrew Reinhart  
Daniela Guendisch  
Pharmacy-Hilo  
(Co-Authors: Isabelle Tomassoli, Daniela Guendisch)  
Abstract: Bispidine/riluzole Hybrids as New Central Nervous System Therapeutics.

Kelsey Roe  
Saguna Verma  
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(Co-authors: Jacob T Nelson, Beverly Orillo, Sébastien Gibot, Saguna Verma)  

Victor Ruthig  
Monica Ward  
IBR/DRB  
(Co-authors: Yasuhiro Yamauchi, Jonathan M. Riel, Monika A. Ward)  
Abstract: “X-linked Eif2s3x can Substitute for Y-linked Eif2s3y in Regulation of Spermatogonial Proliferation and Differentiation in the Mouse.

Marissa Saltzman  
Apichai Tuanyok  
TRMD  
(Co-author: Christopher Allender, Spencer Ropte, Travis Mullins, Stephanie Warrington, Adina Doyle, Joseph Gennarelli, Jeff Foster, David Wagner, Paul Keim, and Apichai Tuanyok)  
Abstract: Differential Virulence Observed in Deadly Human Soil Pathogen, Burkholderia pseudomallei.

Yingli Shi  
Yuanan Lu  
PH  
(Co-author: Yuanan Lu)  
Briana Shimada Takashi Matsui CMB/CCR
Abstract: Cardiac Dysfunction Following Ischemia-reperfusion Injury in Obese Mice and the Insulin Signaling.

Shayne Silva Yukiko Yamazaki IBR/DRB
(Co-authors: Sunny Mah, JaeSung Shim, Seth Ching, Yukiko Yamazaki)
Abstract: Direct Effects of Primordial Follicle Activators on Oocyte Growth In Vitro.

Hsin-I Tong Yuanan Lu Microbiology/PH
(Co-author: Yuanan Lu)
Abstract: Quantitative and Qualitative Assessment of Adoptive Transferred Monocyte Trafficking into Inflamed Brain Tissue.

Wen-Yang Tsai Wei-Kung Wang TRMD
(Co-authors: Anna Durbin, Stephen Whitehead, Wei-Kung Wang)
Abstract: Characterization of Antibodies Against Envelope Protein of Dengue Virus Following Secondary Infection.

Alanna Tseng Kaufusi/Nerurkar TRMD
(Co-authors: Pakieli H. Kaufusi, Vivek R. Nerurkar)
Abstract: A Novel Role for West Nile Virus Non-Structural Protein-1 in Induction of Vesicles for Viral RNA Synthesis.

Maya Uemoto Susana Helm Psychiatry
(Co-authors: S Helm, W Lee, V Hanakahi, Haumana, K McCarthy, M Uemoto, N De Ville)
Abstract: Lōkāhi Triangle: A concept of Well-Being as Discussed by Native Hawaiian Youth.

Jonathan Yap William Boisvert CMB/CCR
Abstract: Chitinase Inhibition Promotes Atherosclerosis in Hyperlipidemic Mice.

Undergraduates

Adam Baijinting Ho Leung Ng Chemistry
Abstract: Analyzing Multiple Domains of Fibroblast Growth Factor Receptors 2 and 3 for Optimal Recombinant Expression.

Sasha Canovali Leticia Colmenares WCC
Abstract: Serotyping Salmonella Found in Untreated Waste Water for Comparison with Clinical Cases of Salmonellosis in Humans.

Shaun Chang Keith Fong ANAT
Abstract: Midline Craniofacial Malformations with an Anterior Cephalocele Result From Insufficient Closure of the Anterior Neural Tube in the Tuft Mouse.

Erin Ebisu          Matthew Tuthill      Math/Science KCC
(Co-authors: Robin Kaai and Thomas Premeaux)
Abstract: Use of Phage Display to Produce Antibodies Against Campylobacter jejuni.

Tiffany Eulalio     Kabi Neupane       Math/Science LCC
(Co-author s: Keith Kaneshige and Kabi Neupane)
Abstract: From GPS to Genome: Leeward CC’s Plant Database to Diversity of Chloroplast Genome of ‘Ōhi’a lehua (Metrosideros polymorpha).

Michellei Fisher    Vivek Nerurkar     TRMD
(Co-authors: Nelson Lazaga and Vivek R. Nerurkar)
Abstract: Human Renal Proximal Tubular Epithelial Cells as a Model to Study Human Polyomavirus JC Pathogenesis.

Derek Foley         Sharadchandra Marahatta Science/Math Kaua‘i CC
(Co-author: Jin-Wah Lau)
Abstract: Effects of Vermicompost on Beneficial Nematodes, Rhabditis spp.

Eman Gabour         Sharadchandra Marahatta Science/Math Kaua‘i CC
(Co-author: Sharadchandra P. Marahatta)
Abstract: Effects of Vermicompost on Rotylenchulus reniformis.

Conan Gonzales      Gideon Berger      Natural Sciences/HPU
Abstract: TRPM7, History and Possible Applications.

Ava Greenwood       Aaron Jacobs       Pharmacy-Hilo/ IDeA
Abstract: The Role of Oxidized Lipid Induced C-Myc in Mediating Cancer Progression in Colon Carcinoma.

Faith Hamamura      John Head         Chemistry
Abstract: Computational Study of Glycine and Dipeptide Formation in Gas and Condensed Phases.

Jelyn Heaster       Francis Uchima     Liberal Arts/UH Hilo
(Co-authors: Lissa S. Tsutsumi, Dianqing Sun)

Akimasa Iijima      Yongli Chen       Natural & Computational Sciences/HPU
(Co-authors: Yongli Chen, David Horgen, Zachary Tsutsui ,Leticia U. Colmenares)
Abstract: The Effect of Point Mutation in M2 region of β3 Subunit of GABA<sub>A</sub> Receptors on the Sensitivity to Convulsant Pentylentetrazole and Picrotoxin.

Erika Jang  
Susana Helm  
Psychiatry

Abstract: Enhancing Rural and Native Hawaiian Health Resources Through Professional Development.

Anthony Junker  
Claire Kendall-Wright  
Chaminade University

Abstract: The Level of Telomerase Expression of Human Amnion Cells Correlates with Proliferative Capacity in Culture.

Mark Lee  
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Zylee Liddy  
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Abstract: Seasonal Differences in Airborne Algae.

Vanessa Lui  
Ben Fogelgren  
ANAT
(Commentator: Noemi Polgar, Amanda J. Lee, Joshua H. Lipschutz, and Ben Fogelgren)


Christina Martiney  
Sharadchandra Marahatta  
Science/Math Kaua'i CC

Abstract: Time Interval Between Sunn Hemp Cover Cropping and Cash Cropping for Nematode and Crop Management.

Kayne McCarthy  
Susana Helm  
Psychiatry
(Commentator: S Helm, W Lee, V Hanakahai, Haumana, M Uemoto, A Lawler, N De Ville)

Abstract: Historical Cultural Trauma: Influence of Colonialism Discussed by Native Hawaiian Haumana.

Alexandra McDougle  
David Haymer  
Anthropology
(Commentator: David Haymer)

Abstract: ITS Sequences as Genetic Markers for Population Studies.

Anna Miller  
Richard Allen  
STEM/ Maui CC
(Commentator: Gowoon Jung, Leda Erlandson, Allyson Fukuyama, Deniz Bicakci, Peter Fisher, Richard Allen)

Abstract: Characterization of Lysozyme by Gel-exclusion Chromatography and Bioactivity.

Keith Nakamatsu  
Lei Wang  
WCC/HPU
(Commentator: Lei Wang, Leticia Colmenares)
“Purification of ARC Proteins Through TEV Protease”

**Timothy Parent**  
Daniela Guendisch  
Pharmacy-UH Hilo


**Emma Pascal**  
Jane Onoye  
Psychiatry/Biology

(Co-Authors: Jane Onoye, Donald Hayes)

Abstract: Impact of a Perinatal Support Services Program on risk reduction in a Large Ethnically Diverse Sample.

**Mailani Puli**  
Danalynn Koomoa-Lange  
Pharmacy/UH Hilo

Abstract: Neuroblastoma (NB) is an extra-cranial pediatric cancer most commonly seen in children under the age of 5 years.

**Andrew Reinhart**  
Daniela Guendisch  
Pharmacy-UH Hilo

(-Co-authors: Isabelle Tomassoli, Daniela Guendisch)

Abstract: Bispidine/riluzole Hybrids as New Central Nervous System Therapeutics.

**Cecelia Rosario**  
Leticia Colmenares  
WCC

(-Co-authors: Leticia Colmenares, Thierry Work & Allison Beale)

Abstract: Staging of Sexual Maturation in Female Lutjanus kasmira; USGS-National Wildlife Health Center-Honolulu Field Station.

**Maricia Save**  
Dana-lynn Ko’oomoa-Lange  
Pharmacy-Hilo

Abstract: Comparison of Traditional Preparations and Chemical Extracts of Native Hawaiian Medicinal Plants to Treat Chemoresistant Neuroblastoma Cells.

**Michael Severino**  
Susan Jarvi  
Pharmacy-Hilo

(-Co-authors: Margaret Farias, Laura Shiels, Kay Howe, Steven Jacquier, Aaron Shiels, Karis Amano, Blaine Luiz, Daisy Maher, Maureen Allison, Zachariah Holtquist, Neil Scheibelhut, William Pitt, Susan I. Jarvi)

Abstract: “X-linked *Eif2s3x* can Substitute for Y-linked *Eif2s3y* in Regulation of Spermatogonial Proliferation and Differentiation in the Mouse.

**Lisa Styring**  
Leticia Colmenares  
WCC

(-Co-authors: Gerald Pitz, Leticia Colmenares)

Abstract: Mercury Levels in Fish.

**Mimi Takamune**  
Dick Teshima  
Medical Technology

(-Co-authors: Alysha Basa, Justin Koito, Suan Yoon, Dick Teshima)

Abstract: Effects of Pre-Analytical Factors on Clinical Lab Analyses.

**Aaron Thomas**  
Lei Wang  
Computational Sciences /HPU

(-Co-author: J. Kakugawa)

Abstract: Study of the Aggregation Property of Two Appetite-regulating Hormones.
Zachary Tsutsui-Keuma  Leticia Colmenares  WCC/HPU
(Co-authors: Akimasa Iijima, Yongli Chen, David Horgen, Leticia U. Colmenares)
Abstract: The Long Term Effects of Antiepileptic, Inhibitory, and Excitatory Compounds on GABA<sub>A</sub> Receptors.

Sheryl Vermudez  Claire Kendal-Wright  Chaminade University
(Co-authors: Claire Kendal-Wright and Eric Collier)
Abstract: The Response of Human Fetal Amniotic Cells to Basic Fibroblastic Growth Factor (bFGF).

Noelle Victoria  Leticia Colmenares  WCC
Abstract: Extraction, Purification, and Identification of Curcuminoids in Turmeric (Curcuma longa L.)

Codi Wong  Matthew Tuthill  KCC
(Co-author: Wang Lio)
Abstract: Creating a DNA Reference Library for Bacteria at Kapiolani Community College.

Kimi Yatsushiro  Jane Onoye  Psychiatry
(Co-author: Jane Onoye)
Abstract: Health-Related Quality of Life in an Ethnically Diverse Sample of Parents and Children from the Hawai‘i Family Study of Cognition.

Yeva Zobova  Jenni Guillen  Biology-UH Hilo