

Session 2 Graduate Students, **Post-Doctoral Researchers**

8:30 Introduction - Dr. Saguna Verma, TMMMP Department JABSOM

8:40 Tyler Agbayani Possible Reemergence Of Mycobacterium Bovis In East Moloka'I

8:45 Cade Akamu Substance Use And Related Risk And Protective Factor Disparities Amongst Hawaii Transgender And Gender Non-Conforming Middle And High School Students

8:50 Thomas Awamura Inhibition Of Type I Ifn Pathway By Wnv Ns4A And Ns4B Proteins

8:55 Jonathan Bennett Accessible Five Compartment Body Composition Via 3-Dimensional Imaging And Bioelectrical Impedance

9:00 Sherine Boomla Relationship Between Anthropogenic Changes In The Kailua Ahupua'A And Environmental *Staphylococcus Aureus* Infections Among Pacific Islanders

9:05 James Carrillo Microbial Production Of Nicotianamine

9:10 Devon Cataldi Agreement And Precision Of Total Body Water Measures By Various Methods And Its Impact On Body Composition Estimates

9:15 Jasmine Chen Role Of Tcf21 In The Regulation Of Inflammation And Extracellular Matrix Deposition

9:20 Lauren Ching Serological Analysis And Correlation Of Sars-Cov-2 Plaque Reduction Neutralization Test With A Laboratory Developed Microsphere Immunoassay

9:25 Nicholas Kawasaki Categorizing Regulated Cell Death In Its Role Of Mediating Cell-To-Cell Propegation Of Cardiomyocyte Cell Death

9:30 **Chi Ma** Selenoi Is Required For Metabolic Reprogramming During Th17 Differentiation And Activation

9:35 Ross Villiger Preventing Urothelial Cell Death In A Mouse Model Of Prenatal Ureter Obstructions Rescues Ureter Development

9:40 Brien Haun Single Cell Rna Sequencing Of Zika Virus Immune Cynomolgus Macaque B-Cell Receptors

9:45 Troy Odo Vaccine Induced Antibody Avidity To Sars-Cov-2

9:50 Carmen Campbell Pro-Inflammatory Cytokines Induce Barrier Function Changes In Human Aortic Endothelial Cell Monolayers: Implications For Cytokine Storm And Vascular Dysfunction In Sepsis And Covid-19

10-10:30 Break

10:30	Kanani Hokutan	Characterization Of Fancd2
10:35	Javier Lozano-Gerona	Hawaiian Hiv Patients Monocyte Populations And Transmigration Ability Differs From Controls
10:40	Aquena Ball	Elucidating Antibody Populaitons Elicited By A Recombinant Subunit Ebola Virus Vaccine In Non-Human Primates Using Defined Structural Subunits
10:45	Lauren Kirkwood	Using An In Vitro Gastrulation Model To Assess The Developmental Toxicity Of Antiviral Drugs Dolutegravir And Remdesivir
10:50	Lambert Leong	Lesion Characterization With Three Compartment Breast (3Cb) Compositional Imaging
10:55	Breanna Morrison	Factors Associated With The Most Common Adult Hospital Readmissions In Hawaii
11:00	Meliza Roman	Health Disparities In Inpatient Hospitalizations Of Leading Health Conditions In Hawai'i And In The United States (2010-2014)
11:05	Noelle Rubas	Investigating The Interactions Between The Gut Microbiome And Inflammation During Pregnancy In A Multiethnic Cohort
11:10	Rachel Sachs	The Exocyst Complex Regulates Trafficking Of The Amyloid Precursor Protein In Neurons
11:15	Kaitlin Driesse	Assessing Cross-Reactive Flavivirus Antibodies In Pregnant Women During The Zika Outbreak In Brazil
11:20	Michael Faundo	Expression, Purification, And Characterization Of Two Type-I Interferons
11:25	Maya Nishida	Nicu Family-Centered Rounds Under Covid-19-Related Restrictions
11:30	Maysyvelle Sistoza	Teaching Practical Skills - Pharmacy Students Navigate Drug Insurance Benefits Through Hands-On Training
11:35	Olivia Smith	Formulation Development For Optimized Lyophilized Ebola Virus Vaccines Containing Adjuvant And Antigen In A Single Vial Formulation
12-1 pm	<p>Speaker for the 2020 Dr. Windsor and Mary Cutting Lecture in Pharmacology and Keynote Speaker</p> <p>Barbara Slusher, M.A.S. Ph.D, Johns Hopkins School of Medicine. “Drug Discovery Goes to School: the rising role of academia in the discovery of new therapeutics”</p>	
2:00	Frank Urena	The Microrna 15A/16-1 Family Regulation Of T Cell Proliferation

2:05	Dustin Valdez	Clinical Efficacy And Acceptability Of A Point-Of-Care Electronic Palpation Device For Breast Cancer Screening For A Lower Middle-Income Environment
2:10	Eduardo Gamez	Hiv-Seek: A Novel Method For The Isolation And Characterization Of Latently Hiv-Infected T Cells
2:15	Stefanos Giannakopoulos	Assessment Of Sars-Cov-2 Infection In 2D And 3D Human Testis Cell Models
2:20	Bryan Rios	Enhancement Of The Antagonism Of The Type 1 Interferon By Neurotropic West Nile Virus Protein Ns2B3: An Implication To Flavivirus Pathogenesis
2:25	Marissa Miyagi	Three-Dimensional (3-D) Ovarian Tissue Culture Supported By Dextran Hydrogel With Polyethylene Glycol (Peg) Crosslinker
2:30	Michelle Nagata	Biological Fingerprints Of Raman-Enhanced Spectroscopy Between Normal And Abnormal Anal Tissue From Individuals Infected With Human Immunodeficiency Virus
2:35	Chelsea Saito Reis	Cell Free Fetal Dna (CffDNA) From Human Amnion Epithelial Cells Increase Inflammatory Load In Human Fetal Membrane Tissue
2:40	Catherine Kam	Are Gaucher Disease Patients At Increased Risk For Acquiring Toxoplasmosis?
2:45	Victoria P. Mak	The Impact Of Covid-19 On Daily Life Activities And Cancer Screening In The Multiethnic Cohort
2:50	Lauren Takasato	Alzheimer'S Disease Behavioral And Psychological Symptoms Of Dementia: Effective Treatments And Possible Solutions
2:55	Alexandru Sasuclark	Changes In Selenium Status Impact The Development Of Parvabulin Interneurons And Perineuronal Nets
3:00	David Maison	Sars-Cov-2 Hawaii Variant: Genetic Characteristics, Phylogenetic Analysis, And Immunogenic Epitopes
3:05	Michael Wong	Detecting Significant Body Composition Change With Three-Dimensional Optical Surface Scans: A Prospective Study
3:10	Yonathan Yap	Structural Proteins Of Sars-Cov-2 Induce Specific Behaviors In Macrophages
3:20-3:40 Break		
3:40	Huong Vu	Dna Methylation Dynamics In Fetal-Neonatal Skeletal Muscle Influenced By Myostatin Inhibition
3:45	Chelsea Nicholas	A Pilot Study Assessing The Intent To Receive A Covid-19 Vaccine And Willingness To Pay Using The Health Belief Model

3:50	Rodson Zorilla	Adherence To Guidelines For Screening Latent Tuberculosis Infection Among Hiv Infected Persons: A Literature Review And Recommendation For Targeted Latent Tb Infection Screening
3:55	Renn Silve Salomon	Development Of Multiplex Microsphere Immunoassay For Detection Of Sars-Cov-2 Antibodies
4:00	Masako Matsunaga	Single-Race Population Estimation And Comparison In Hawai'I, Based On Decennial Census Data Using A Stepwise Proportional Weighting Algorithm
4:05	Caitlin Williams	Assessment Of Avidity Maturation Elicited By A Recombinant Protein Subunit Ebolavirus Vaccine
4:10	Logan Dean	Identification And Implications Of Hiv-1 Subtype Crf01_Ae In Hawaii
4:15	Lance Gregory Nunes	Mtor Signaling Is A Regulator Of Placental Nutrient Transport And Fetal Growth
4:20	Landon Negrillo	Microbiome Database Development To Explore Possible Microbial Infections In Cancer Patients
4:25	Awapuhi Lee	Reduced Scyllo-Inositol And Other Brain Metabolites Correlate With Reduced Regional Brain Volumes In Hiv+ Patients
4:30	Ryuei Sato	Targeted Piggybac Transposition Using Guide Rna In Human Cells
4:35	Samantha Morgan	Seroprevalence And Continuous Transmission Of West Nile Virus Among Female Sex Workers In Senegal Between 1991 And 1999
4:40	Scott Bowler	Intra-Chromosomal Telomeres Are Associated With Immune Checkpoint Inhibition Response: A Pilot Study
4:45	Michael Honda	Mimosine, A Non-Protein Amino Acid Forms Stable Complexes With Various Metallic Ions And Aldehydes