



SMHS Research Showcase
Wednesday, April 14th, 2021

Presentation rooms		Zoom links
Health Sciences Room	Page 2	https://gwu-edu.zoom.us/j/97417788793
Institute for Biomedical Sciences Room 1 (last names A – D)	Page 3	https://gwu-edu.zoom.us/j/98599438602
Institute for Biomedical Sciences Room 2 (last names D – Z)	Page 4	https://gwu-edu.zoom.us/j/93285677691
Medical Students Room 1 (last names A - F)	Page 5	https://gwu-edu.zoom.us/j/91402613591
Medical Students Room 2 (last names G - M)	Page 6	https://gwu-edu.zoom.us/j/97730708094
Medical Students Room 3 (last names N - Z)	Page 7	https://gwu-edu.zoom.us/j/92867132795
Medical Residents/Staff/Faculty Room 1 (last names A – C)	Page 8	https://gwu-edu.zoom.us/j/92496717494
Medical Residents/Staff/Faculty Room 2 (last names C – P)	Page 9	https://gwu-edu.zoom.us/j/91780947540
Medical Residents/Staff/Faculty Room 3 (last names P – Z)	Page 10	https://gwu-edu.zoom.us/j/91247035790

Health Sciences Room**Zoom link:** <https://gwu-edu.zoom.us/j/97417788793>**Facilitator:** Sheel Singh**Judges:** Robert Turner, Maura Polansky, Marcia Firmani, Anthony Artino

TIME	PRESENTER	PRESENTATION TITLE
12pm – 12:08pm	Emily Balog	Facilitating aging in place and community by empowering participation in society: A mixed methods study on the co-development of a theory of change with suburban-dwelling older adults
12:10pm – 12:18pm	Emma Engler	A Systematic Review of Artificial Intelligence Techniques to Identify Potential COVID-19 Treatments
12:20pm – 12:28pm	Emily Gray	Association between the Vaginal Microbiome and Preterm Birth: A Systematic Literature Review
12:30pm – 12:38pm	Zachary Johnson	Comparing the NATA position statement and APTA clinical practice guideline on management of patellofemoral pain syndrome
12:40pm – 12:48pm	Rupinderjit Kaur	Policies for Safer States: COVID-19 Disease Risk
12:50pm – 12:58pm	Wencesley Paez	Impact of Advanced Clinical and Translational Research Educational Programs on Oncology Specialties and Career Development
1:00pm – 1:08pm	Heather Yoho	Assessing the Health Equity Knowledge, Attitude, and Capacity of Students in the Health Professions: A Baseline Survey
1:10pm – 1:18pm	Mary Zinn	Communication between adolescents/young adults and health care providers during routine T1D care

Institute for Biomedical Sciences Room 1

Zoom link: <https://gwu-edu.zoom.us/j/98599438602>

Facilitator: Colleen Kennedy

Judges: Mamta Gupta, Nobuyuki Ishibashi, Deepa Rastogi, Maho Shibata, Michael Sidorov

TIME	PRESENTER	PRESENTATION TITLE
12pm – 12:08pm	Julie Ahn (Neuro)	B cell depletion reduces glial reactivity in an animal model of multiple sclerosis
12:10pm – 12:18pm	Annika Balraj (Neuro)	Refinement of optic nerve function and myelination during postnatal development
12:20pm – 12:28pm	Katherine Blackmore (Neuro)	An obligatory forebrain-hypothalamic ER stress driven circuit mediates hepatic steatosis during obesity
12:30pm – 12:38pm	Nicole Bonan (Cancer)	Designing an NK cell-based therapy to treat solid tumors
12:40pm – 12:48pm	Claire Charpentier (Neuro)	Role of the Cranial Mesenchyme in Neural Tube Defects
12:50pm – 12:58pm	Blake Cooper (Cardiology)	Sexually Dimorphic Effects on Cardiac Electrophysiology
1:00pm – 1:08pm	Tyson Dawson (Epi/Bio)	Reaching into the Regions: Gene-Level Analysis of Molecular Epidemiology and Phylodynamics of SARS-CoV-2

Institute for Biomedical Sciences Room 2**Zoom link:** <https://gwu-edu.zoom.us/j/93285677691>**Facilitator:** Margarita Kyza Karavioti**Judges:** Alberto Bosque, Michael Bukrinsky, Sanjay Maggirwar, Brett Shook, Xiaoyan Zheng

TIME	PRESENTER	PRESENTATION TITLE
12pm – 12:08pm	Samantha Dow (Neuro)	Brain Cellular Senescence as a Potential Mediator of Angiotensin II-Induced Hypertension
12:10pm – 12:18pm	Kaitlin Garofano (Cancer)	Differences in the platelet mRNA landscape portend racial disparities in platelet function
12:20pm – 12:28pm	Stephanie Gomez (Cancer)	Loss of Adar1 increases T cell migration and prolongs survival in ovarian cancer
12:30pm – 12:38pm	Debbie Ledezma (Cancer)	Interstitial photothermal therapy as a novel approach to treat neuroblastoma
12:40pm – 12:48pm	Brendan Mann (HIV)	Specific Targeting of the Latent HIV Reservoir Using Allogeneic $\gamma\delta$ T cells
12:50pm – 12:58pm	Brita Ostermeier (Inf. Dis/Immunol)	Characterizing Immune Responses to COVID 19
1:00pm – 1:08pm	Jessica Schenck (HIV, Neuro)	HIV-1 Nef disrupts oligodendrocyte morphology and myelin integrity in the central nervous system

Medical Students Room 1 (last names A - F)**Zoom link:** <https://gwu-edu.zoom.us/j/91402613591>**Facilitator:** Virginia Hodges

TIME	PRESENTER	PRESENTATION TITLE
12pm – 12:08pm	Nagasai Andusumilli	p38 isoform signaling in human cutaneous skin melanoma: insights from in vitro studies and database mining analyses
12:10pm – 12:18pm	Reem Al Shabeeb	Investigation of Factors Affecting Providers' Fear of Contracting COVID-19 During Intubations: Results from a USA National Survey
12:20pm – 12:28pm	Sivan Ben-Maimon	Ethnic Disparities in Outcomes Amongst COVID-19 Patients in Our Nation's Capital
12:30pm – 12:38pm	Morgan Burke	Pediatric transfusion-associated hyperkalemic cardiac arrest
12:40pm – 12:48pm	Nicolle Ceneri	Outcomes of Risk-Adjusted Decision Making: Using the Hybrid Strategy in Neonates with Ductal-Dependent Systemic Circulation and Multiple Risk Factors
12:50pm – 12:58pm	Eric Chalif	Malignant Pineal Parenchymal Tumors in Adults: A National Cancer Database Analysis
1:00pm – 1:08pm	Leon Chen	Risk Factors for Myocarditis and Dilated Cardiomyopathy in Children Presenting to the Emergency Department
1:10pm – 1:18pm	Phillip Dela Cruz	Correlational Analysis of EAA With Other Inflammatory Markers in Critically Ill SARS-CoV-2 Patients
1:20pm – 1:28pm	Neel Duggal	A patient-centered understanding of the impact of social distancing requirements on adults with serious mental illness during the COVID-19 pandemic
1:30pm – 1:38pm	Muhammad El Shatanofy	Exploring the association between provider years in training and comfort and fear levels during primary and subsequent intubation attempts of COVID-19 patients
1:40pm – 1:48pm	Gabriel Esmailian	Topical Capsaicin for the treatment of cannabinoid hyperemesis syndrome: a systematic review and meta-analysis
1:50pm – 1:58pm	Zachary Falk	Reproducibility of RNA-Seq Methods in Evaluating Blood RNA Biomarkers of Coronary Artery Disease
2:00pm – 2:08pm	Fiona Fimmel	Neuropsychological Assessment and Self-reported Behavioral Outcomes in Children and Adolescents with Turner Syndrome

Medical Students Room 2 (last names G – M)**Zoom link:** <https://gwu-edu.zoom.us/j/97730708094>**Facilitator:** Malia Habib

TIME	PRESENTER	PRESENTATION TITLE
12pm – 12:08pm	Sheryl Johnson	Addressing Obesity in the Pediatric Primary Care Clinic: A Mixed-Methods Study
12:10pm – 12:18pm	Sangrag Ganguli	Dexmedetomidine in Alcohol Withdrawal Syndrome: Are We Intubating Less?
12:20pm – 12:28pm	Simran Gupta	Exploring the lived experiences of pediatric primary care clinicians in a novel produce prescription food insecurity intervention
12:30pm – 12:38pm	Noor Habboosh	Stuck at Home: The Impact of a COVID-19 Registry on Medical Education
12:40pm – 12:48pm	Trevor Hebenstreit	Overcoming Communication Barriers: An evaluation of communication devices for healthcare providers wearing powered air-purifying respirators (PAPRs)
12:50pm – 1:58pm	Jane Henriques	Barriers to Infant Preventative Care During the COVID-19 Pandemic
1:00pm – 1:08pm	Chen-min Hung	Potential Biomarkers for Severe ARDS in the Setting of SARS-CoV-2 ICU Admission
1:10pm – 1:18pm	Jeshua Karunakaran	The Effects of Comorbidity and Age on Mortality in COVID-19 Patients: An Application of the Charlson Comorbidity Index
1:20pm – 1:28pm	Kiana Khosravian	FAST Exam Errors at a Level 1 Trauma Center: A Retrospective Cohort Study
1:30pm – 1:38pm	Rebecca Kolodner	Qualitative Experiences of Person-centered Maternity Care among Mexican and Chinese Immigrants in California
1:40pm – 1:48pm	Jaya Manjunath	Interventions against social isolation of senior citizens: a systematic review of existing literature and interventions developed during COVID-19
1:50pm – 1:58pm	Bridget Marcinkowski	Evaluation of thromboelastography in patients with gastrointestinal bleeding
2:00pm – 2:08pm	George Morcos	Early Experiences With A Primary Care Centered Long COVID-19 Clinic

Medical Students Room 3 (last names N - Z)**Zoom link:** <https://gwu-edu.zoom.us/j/92867132795>**Facilitator:** Maggie Formoe

TIME	PRESENTER	PRESENTATION TITLE
12pm – 12:08pm	Sophia Newton	Factors associated with clinical severity in Emergency Department patients presenting with symptomatic SARS-CoV-2 infection
12:10pm – 12:18pm	Chisom Okezue	Endotoxin Activity as a Marker for Disease Severity in SARS-CoV-2 Patients in the ICU
12:20pm – 12:28pm	Erika Pashai	Clarifying Mistreatment in the Clinical Learning Environment
12:30pm – 12:38pm	Jai Photavath	Adopting a Telemedicine Model of Asthma Care during the COVID-19 Pandemic
12:40pm – 12:48pm	Alva Powell	Does intubation of COVID-19 patients save lives? A descriptive analysis of a prospective registry
12:50pm – 12:58pm	Margot Quinn	Alternative Therapies in Treatment Resistant PTSD: A Literature Review
1:00pm – 1:08pm	Sanjana Rao	Evaluating IBD Patient-initiated E-Messaging and Telemedicine Visits during the COVID Pandemic: a single-center study
1:10pm – 1:18pm	Angelica Rego	The Status and Future of Artificial Intelligence in Ultrasound Evaluation
1:20pm – 1:28pm	Alexis Sandler	Resident Selection: An Orthopaedic Program Director Survey
1:30pm – 1:38pm	Emily Sun	Shifting attention to an undervalued asset; the emergency department technician
1:40pm – 1:48pm	Charmi Trivedi	DisasterConsult.org: Filling the Gaps in Emergency Disaster Preparedness
1:50pm – 1:58pm	Amy Tronnier	COVID-19 Intubation Safety: A Multidisciplinary, Rapid-Cycle Model of Improvement
2:00pm – 2:08pm	Samuel Yeroushalmi/ Sarah Millan	Patient Perceptions and Satisfaction with Tele dermatology During the COVID-19 Pandemic: A Survey-based Study

Medical Residents / Faculty / Staff Room 1
(last names A - C)
Facilitator: Mary Mosby

Zoom link: <https://gwu-edu.zoom.us/j/92496717494>

TIME	PRESENTER	PRESENTATION TITLE
12pm – 12:08pm	Omowunmi Adedeji	Brugada Pattern in an Afebrile Patient with Acute COVID-19 Infection
12:10pm – 12:18pm	Praphopphat Adhatamsoontra	The GW COVID-19 Recovery Clinic: Establishing a Database and Early Findings
12:20pm – 12:28pm	Rahma Aldhaheri	Delirium Care in Inpatient Medical Floor at George Washington University Hospital
12:30pm – 12:38pm	Malak Alharbi	The Tale of Small Fiber Neuropathy, POTS, and Knuckle Hyperpigmentation- Is COVID-19 the Culprit?
12:40pm – 12:48pm	B. Bandyopadhyay/ Samuel Shin presenting	Role of proximal tubular transporters in calcium stone formation
12:50pm – 12:58pm	Michael Bechara	Increasing Documentation of Tobacco Cessation Counseling Among Internal Medicine Residents
1:00pm – 1:08pm	Julia Boland	HIV-associated Thrombotic Microangiopathy: A Thrombotic Thrombocytopenic Purpura (TTP)-like Syndrome
1:10pm – 1:18pm	Joseph Brooks	Age is the Only Factor that Affects Survival to Hospital Admission in Video-Reviewed Out-of-Hospital Cardiac Arrest Resuscitations
1:20pm – 1:28pm	Manuel Cabrera	Simplifying the Initiation of Treatment for Patients with DKA/HHS in the Intensive Care Unit at the Veterans Affairs Medical Center
1:30pm – 1:38pm	Dorys Chavez	Staph, Don't Go Breaking my Heart

Medical Residents / Faculty / Staff Room 2**Zoom link:** <https://gwu-edu.zoom.us/j/91780947540>**(last names: C - P)****Facilitator:** Stephanie Morgan

TIME	PRESENTER	PRESENTATION TITLE
12pm – 12:08pm	Everett Chu	Hospital-Based Health Care Worker Perceptions of Personal Risk Related to COVID-19
12:10pm – 12:18pm	Niraj Gowda	Impact of delayed lab collection on quality of care in hospitalized patients
12:20pm – 12:28pm	John Gracely	Barriers to Resident Clinic Telemedicine
12:30pm – 12:38pm	Katie Farrar	When in Trouble, Double Down: Double Oxygenator ECMO Support for Refractory Acidosis in COVID ARDS
12:40pm – 12:48pm	Adam Horowitz	Better Clinical Outcomes in Hospitalized COVID-19 Minority Patients with Accompanying Gastrointestinal Symptoms
12:50pm – 12:58pm	Mary Ishola	The Impact of Integrating Palliative Medicine Into COVID-19 Critical Care
1:00pm – 1:08pm	Daniel Karel	Establishing a “Patient-Centered Medical Home” for patients with Post-Acute Sequelae of SARS-CoV2 Infection (PASC): a pilot program in an urban, academic setting
1:10pm – 1:18pm	Daniel Ludi	A Case of COVID Myocarditis Without Pulmonary Disease
1:20pm – 1:28pm	Keanan McGonigle	Thombectomy and Anticoagulation in Treatment of Lemierre Syndrome
1:30pm – 1:38pm	Nisha Patel	Improving Understanding of Appropriate Admission Order Status for Resident Physicians

Medical Residents / Faculty / Staff Room 3
(last names: P - Z)
Facilitator: Daina Bolsteins

Zoom link: <https://gwu-edu.zoom.us/j/91247035790>

TIME	PRESENTER	PRESENTATION TITLE
12pm – 12:08pm	Christopher Payette	Do COVID-19 Patients Who Receive High-Flow Nasal Cannula Have More Comorbidities and Worse Outcomes?
12:10pm – 12:18pm	Ayal Pierce	Staving off intubation: Characteristics of outcomes in early versus delayed intubation in COVID-19
12:20pm – 12:28pm	Margaret R. Pruitt	Reducing the Number of Unspecified Penicillin Allergies in Patient Charts: A Quality Improvement Initiative
12:30pm – 12:38pm	Anahita Rahimi-Saber	Don't let the monitor fool you: Pulse check variation between shockable and non-shockable rhythms
12:40pm – 12:48pm	Ghazi Rizvi	The Growth of Palliative Practice and End of Life Care in an Academic Teaching Intensive Care Unit
12:50pm – 12:58pm	Hayley Rogers	Gastrointestinal Symptoms and Outcomes in Patients Hospitalized with COVID-19
1:00pm – 1:08pm	M. Sherman / Esther Lee presenting	Efficacy of COVID-19 specific simulation training in improving intubator's experience during intubation of COVID-19 patients
1:10pm – 1:18pm	Christopher Walker	The George Washington University COVID-19 Biorepository for Data and Specimen Collection: A Preliminary Review of Initial Enrollees
1:20pm – 1:28pm	D. Yamane / Ben DeIPrete presenting	Outcomes of low tidal volume ventilation in COVID-19 intubated patients