

RUTGERS

Robert Wood Johnson
Medical School

2022 RWJMS Medical Students Summer Research Symposium

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Keynote Speaker

Reynold A. Panettieri, Jr, MD

Vice Chancellor for Translational Medicine and Science

Director, Rutgers Institute for Translational Medicine and Science

Professor of Medicine, Robert Wood Johnson Medical School

Organized by: RWJMS Office of Research

2022 RWJMS Medical Students Summer Research Symposium

Abstract #	<u>Student</u>	<u>Mentor</u>	<u>Title of Research</u>
1	Affan Aamir	Sara Heinert, PhD	Youth Feedback on a Youth-Led Digital Education Intervention to Improve Blood Pressure for Adults Who Present to the Emergency Department with Hypertension
2	Lucy Aaron	Biren Saraiya, MD	Development of Physician-Patient Communications Elective for Pre Clinical Medical Students
3	Kathryn Abbott	Tammy Chung, PhD	Racial/Ethnic Differences in Maternal Smoking Before Pregnancy and Childhood Prodromal Psychosis from the ABCD Study
4	Shareif Abdelwahab	Mariam Eskander, MD	Assessing geographic disparities in accessing clinical trials for pancreatic cancer treatments in the United States
5	Audrey Abend	Kelvin Kwong, MD	Evaluation of sleep stages using electroencephalogram (EEG) and electromyogram (EMG) findings during drug-induced sleep endoscopy (DISE) in pediatric population
6	Lily Adler	William Beckerman, MD	Evaluating Neutrophil-to-Lymphocyte Ratio as a Presurgical Risk Calculator in Comparison to Modified Frailty Index and the ACS NSQIP Presurgical Risk Calculator in Patients Undergoing Open Lower Extremity Revascularization Procedures
7	David Agyapong	Hai Sun, MD, PhD	Correlation of hippocampal sclerosis and parvalbumin expression with distinct seizure ending patterns in mice subjected to the intrahippocampal kainic acid model of status epilepticus
8	Andres Alba	Huizhou Fan, PhD	Development of 3rd-generation selective antichlamydials (SAC) with improved potency
9	Josephine Alegun	Lara Hathout, MD	Assessing the Impact of MMR Status on the Prognosis of Patients with Endometrioid Endometrial Cancer
10	Leila Alidoost	Peter Cole, MD	Self-Identified Race and Ethnicity in Pediatric Oncology/Hematology
11	Ava-Dawn Anigbogu	Gail Burack , PhD	The Clinical Outcomes of People Living with HIV/AIDS during the COVID-19 Pandemic
12	Nathan Arnold	Nell Maloney Patel, MD	Effect of Spaced Repetition Surgical Simulation Training on Skill Retention
13	Nicholas Baker	Ernest Leva, MD	Assessment of Pediatric Trauma Pain Management Strategies at Robert Wood Johnson University Hospital
14	Kacie Barry	Benjamin Crabtree, PhD	Perceptions of Oncologists on Survivorship Care: Survivorship Models and Care Delivery
15	John Carlson	Joseph Hanna, MD	Nitric Oxide use in Covid-19 ICU patients
16	Rachel Cary	Rachel Choron, MD	The Impact of Prehospital EMS Education on Improving the Under Triage Rate for Trauma Patients at a Level 1 Trauma Center

17	Qianwei Chen	Michele T. Pato, MD	Childhood-onset and Lifetime Traumatic Events in the Evolution of Bipolar Disorder
18	Sruti Cheruvu	Mi-Hyeon Jang, PhD	Time-Course of Neurogenesis in Hippocampus after Acute Spinal Cord Injury
19	Ojas Chinchwadkar	Hai Sun, MD, PhD	Loss of Inhibitory Interneuron Activity is Possibly Linked to Distinct Seizure Ending-Patterns in Epileptic Mice in the Kainic Acid Model
20	Emily Costello	Wayne Fisher, PhD	How to Best Define Different Levels of Severe Challenging Behavior in Individuals with Autism Spectrum Disorder and Intellectual Disability
21	Michael Daidone	William Beckerman, MD	Comparison of Longitudinal Outcomes for CLI Patients Receiving Antegrade and Retrograde Interventions
22	Nicholas Dante	Christoph Buettner, MD	What is the Role of the Sympathetic Nervous System in Overnutrition-Induced Insulin Resistance and Metabolic Disease?
23	Sarah Decedue	Katie Devine, PhD	Relationship between mental health and sleep quality in adult and young adult survivors of childhood cancer
24	Jennifer Delgado	X.F. Steven Zheng, PhD	Superoxide Dismutase 1 and Its Role in Cancer as A Nuclear Transcription factor: SOD1 Effect on Genes Involved in Nucleotide Biosynthesis
25	Sanjana Eranki	Steven Brant, MD	Understanding the Epigenetic Differences in Various Ethnic Groups relevant to the Pathogenesis of Inflammatory Bowel Disease
26	William Fahy	Bruce Haffty, MD	Clinical toxicity in hypofractionated and conventionally fractionated radiation in breast cancer patients with germline mutations in various DNA repair genes
27	Charlene Fermin	Jennifer Amico, MD, MPH	Exploring Bias among NJ Family Medicine Providers when Recommending Contraception
28	Daniel Fernandes	Adam C. Berger, MD	Sentinel Lymph Node Biopsy in Patients with Non-Melanoma Skin Cancers: A Single Center Experience
29	Derek Ge	Sabiha Hussain, MD	Screening for Social Risk Factors in the Intensive Care Unit During the Pandemic
30	Taylor Glassman	Lawrence Kleinman, MD	Examining the relationship between perceived emotional support and changes in anxiety or depression among parents of children with COVID-19: Project CONNECT to Predict Sick Children
31	Michelle Gnidash	Babar Rao, MD	The use of line-field confocal optical coherence tomography (LC-OCT) to visualize acne lesions in-vivo
32	Kevin Guerrero	Manuel Jimenez, MD	Examining the user experience of a family wellness program for Latino families: A qualitative study
33	Juline Hanna	Brad Kamitaki, MD	Addressing Barriers to Comprehensive Epilepsy Care: A Mixed-Methods Study
34	Jason Hua	Jag Sunderram, MD	Does Chronic Intermittent Hypoxia exacerbate World Trade Center dust induced lung injury?
35	Osaumwense Idemudia	Jeffrey Carson, MD	Quality of Life Measurement in Red Blood Cell Transfusions based on Restrictive versus Liberal Red Blood Cells Transfusion Strategy
36	Umin A Jalloh	William Beckerman, MD	Comparing outcomes in patients on preoperative antiplatelet therapy undergoing open lower extremity revascularization
37	Connie Jiang	Michael Steinberg, MD, MPH	National Web-based Survey Evaluating Cigarette Relighting Behavior: Prevalence, Beliefs, and Practices
38	Srivarsha Kaloth	Denalee O'Malley, PhD	Colorectal Cancer Survivorship and Comorbidity Burden through a Racial/Ethnic Lens: Implications for Risk-based Models

39	Sophie Kauderer	Huong Truong, MD	Peripheral Vascular Disease by Sex: Is There a Difference in Anatomic Site of Lesions?
40	Natalia Kellam	Deepak Jain, MD	Impact of SARS-CoV-2 infection during pregnancy on neonatal and early childhood outcomes
41	Nadia Kenfack Kembou	Richard Marlink, MD	Applying the RE-AIM and PRECIS-2 Evaluation Frameworks of Dissemination and Implementation Science to Analyze the Implementation Strategy of a Screening Intervention for Breast Cancer in Regional Botswana
42	Labeeqa Khizir	Sammy E. Elsamra, MD	Assessing the accuracy of intraoperative ureteroscopy in determining ureteral stricture length at time of robotic ureteral reconstruction.
43	Susan Kim	Michele T. Pato, MD	Schizophrenia with Comorbid OCD in African-Ancestry and European-Caucasian Ancestry Subjects in the Genomic Psychiatry Cohort
44	Sharwani Kota	Craig Bollig, MD	Interposition Vein Grafts in Head and Neck Microvascular Reconstruction: A Systematic Review
45	Neha Kuderu	Advaitha Madireddy, PhD	Assessment of the Effects of Red Dye 40 on DNA Integrity in FANCD2 Deficient Fanconi Anemia Cells.
46	Rahul Kukreja	Naveena Yanamala, PhD	The longitudinal effect of social isolation on sleep and cognition in dementia patients
47	Isha Kumbam	John Calvin Chatlos, MD	Inducing and Measuring Spiritual Experiences in Clinical Setting
48	Yena Kwak	Jag Sunderram, MD	A literature search of the ROX index as an effective predictive tool for high-flow nasal cannula treatment in COVID-19 patients
49	Daniel Lam	Daniel Horton, MD	Patterns of Psychotropic Prescription Prescriptions and Psychiatric Comorbidities in Youth with ADHD, 2002-2018
50	Eileen Lee	Soko Setoguchi Iwata, MD, MPH, DrPH	"Healthy" Diet Perception vs. Actual Diet Quality: Prevalence and Risk Factors Among US Adults
51	Karen Makar	Jeremy Sinkin, MD	Practice Patterns and Surgeon Preferences for Gender-Affirming Surgery in New Jersey
52	Emilia Maliborski	Hilary Grosso Jasutkar, MD, PhD	The effect of Atg7 gene deactivation on hippocampal muscarinic acetylcholinergic synapses.
53	Sapir Mashiach	Nancy Philipps, MD	Association of Lateral Pain in Vulvodynia and co-morbidity of Bowel disorders
54	Maira McGevna	William Beckerman, MD	Perioperative outcomes for the treatment of juxtarenal aortic aneurysms.
55	Meghan McMullin	Gloria Bachmann, MD	Extreme ticklish sensation with vulvar-vaginal contact: a case report
56	Eric Muller	Ankit Shah, MD	Assessment of Clinical Correlates to Plasma Kisspeptin Levels in Patients with Nonalcoholic Fatty Liver Disease
57	Ricardo Munoz	Jason Womack, MD	Understanding the interaction of menstrual cycle function and injury in female athletes
58	Sorasicha Nithikasem	Saum Rahimi, MD	Using 3D Reconstruction Software to Measure Intraluminal Thrombus Burden in Patients with Abdominal Aortic Aneurysms
59	Sarah Oh	Salma jabbour, MD	Dose-painting stereotactic body radiotherapy for central lung tumors adjacent to critical organs: an analysis of tumor control
60	Temitope Oshinowo	Cheryl Dreyfus, PhD	Interactions Between the TrkB Pathway and the mTOR Pathway in Response to Demyelination

61	Akhil Patel	Cynthia Koziol-White, PhD	Specific SNPs within CDHR3 and GSDMB Genome may be Associated with Heightened Response to Rhinovirus Infection and Attenuated Response to a β -2 Agonist
62	Kush K. Patel	Zeeshan Ahmed, PhD	Exploring Genome Wide Association Studies in Precision Medicine
63	Khushi Patel	William Beckerman, MD	Smoking Based Differences in Autogenous Vein Versus Prosthetic Grafts for Open Lower Extremity Infrainguinal Bypass
64	Mann Patel	Saum Ghodoussipour, MD	Contemporary Analysis of the Tolerability of Induction Bacille Calmette-Guerin Immunotherapy for Non-muscle Invasive Bladder Cancer: Retrospective Data from a Single Institution
65	Nimi Patel	Jennifer Amico, MD, MPH	Option of Self-Collected HPV Testing Effect on Cervical Cancer Screening Rates
66	Riya Patel	Gloria Bachmann, MD	Examining Factors that Influence a Woman's Choice Between Surgical Interventions In The Case of Breast Cancer
67	Joseph Phelan	Sally Radovick, MD	Growth and Metabolic Effects of Hypopituitarism Associated with POU1F1 Gene Mutations Remediated by Treatment with Growth Hormone
68	Aaliyah Phillips	Cande Ananth, MD	Stroke-related Maternal Mortality in the United States, 2000-2020: Epidemiological Trends and Race/Ethnic Disparities
69	Kayla Piiwaa	Adrian Balica, MD	Deep Learning with Image Enhancement for Ultrasound Imaging of Endometriosis
70	Alyssa Pilch	Sabiha Hussain, MD	Assessing the Effectiveness of an Opera-Based Breathing and Wellness Program in the Management of Long COVID Patients
71	Aravind Rajagopalan	Saum Ghodoussipour, MD	Development of a Novel Procedure-Specific Risk Calculator for Radical Cystectomy with Machine Learning
72	Sonya Rao	Thomas Hegyi, MD	Assessing the Knowledge Baseline of Medical Students on Sudden Infant Death Syndrome
73	Tricia Mae Raquepo	David Zald, PhD	Contingency Perception
74	Sahithi Reddi	Craig Bollig, MD	Virtual Surgical Planning in Head and Neck Osseous Free Flaps —A Multi-Institutional Study
75	Valerie Ricciardi	Vadim Ten, MD	A model of neonatal brain injury induced by asphyxia with circulatory arrest in mice
76	Leena Rijhwani	Soko Setoguchi Iwata, MD, MPH, DrPH	Temporal Trends in Intravenous Iron Use among Medicare Beneficiaries, 2008-2019
77	Shaheer Rizwan	John Noshier, MD	Investigation of tumor texture as a biomarker predicting response to yttrium-90 radioembolization for patients with primary or metastatic hepatocellular carcinoma
78	Brian Rust	Benton Purnell, Detlev Boison, PhD	Determining the role of adenosine in the postictal hypercapnic ventilatory response
79	Chandravathi Sayani	William Beckerman, MD	Impact of IMA Patency on Aortic Remodeling Following Endovascular Aortic Aneurysm Repair (EVAR)
80	Jake Schade	Nur Zeinomar, PhD, MPH	An Evaluation of Clinical and Demographic Factors that Predict Smoking Cessation in Black Breast Cancer Survivors

81	Samantha Shave	Matin Imanguli, MD	Patient Outcomes Following Observation, Reirradiation, or Reirradiation with Chemotherapy After Salvage Surgery for Head and Neck Cancer
82	Jordan Shinn	James Coromilas, MD	Survival After In-Hospital Cardiac Arrest and its Relationship to the Cardiac Rhythm at the Time of Arrest
83	Trisha Sindhu	Juana Hutchinson-Colas, MD	Examining Hospice Care Service Utilization among Ovarian Cancer Patients at Rutgers Cancer Institute of New Jersey
84	Sidharth Srinivasan	Gian Pal, MD	Characterization of the Clinical Phenotype of Parkinson's Disease in South Asian Patients
85	Julie Sumski	Hari S. Tunuguntla, MD	Postoperative Outcomes in Patients Receiving InterStim® Therapy for the Treatment of Overactive Bladder
86	Namita Thomas	Daniel Horton, MD	Racial and Ethnic Disparities in Eye Screenings for Juvenile Idiopathic Arthritis
87	Aaron Tucker	Todd Mowery, MD	Animal model of Third Window Syndrome: Insight into semicircular canal dehiscence induced CNS dysfunction in humans
88	Anisha Tyagi	Patrick Buckley, MD	Distraction Related Complications after Hip Arthroscopy: A Systematic Review of Distraction Techniques
89	Athmika Vaseeharan	Zhongren Zhou, MD, PhD	Investigation of the Role of Zonula Occludin-1 in the Pathogenesis of Barrett's Epithelium and Esophageal Adenocarcinoma
90	Madhir Vyas	Bo Qin, PhD	Sleep Disturbance in a Population-Based Longitudinal Cohort of Black Breast Cancer Survivors
91	Joyce Xu	X.F. Steven Zheng, PhD	SOD1 Regulates Metabolism in Non-Small Cell Lung Cancer
92	Sara Youssef	Cindy Wassef, MD	Assessing the Effectiveness of Valacyclovir in the Treatment of Pityriasis Rosea: A Literary Review and Case Series
93	Joshua Yu	Rachel Choron, MD	Use of Diaphragmatic Ultrasound in Predicting Extubation Success or Failure in the Surgical Intensive Care Unit
94	Kailyn Ramirez	Albert S. Khouri, MD	Health Literacy as Measured by The Short Assessment of Health Literacy as a Predictor of Glaucomatous Severity

THANK YOU

Thank you for attending the **2022 Medical Student Summer Research Symposium.**

We truly appreciate your participation and continued support.

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