

# RUTGERS

Robert Wood Johnson  
Medical School

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## **2019 RWJMS Medical Students Summer Research Symposium**

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**Wednesday, August 7, 2019**

**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**

# 2019 RWJMS Medical Students Summer Research Symposium

<b><u>Poster</u></b>	<b><u>Participating Student</u></b>	<b><u>Mentor</u></b>	<b><u>Title of Research</u></b>
1	<b>Nicole Altomare</b>	Martin Blaser, MD	Changes in Intestinal Gene Expression in Antibiotic-Treated NOD Mice
2	<b>Brian Anyanwu</b>	James Coromilas, MD, FACC, FAHA	Utilization of ECG Characteristics to Distinguish Between Proximal and Distal Left Anterior Descending Coronary Artery Occlusions in Anterior Wall ST Elevation Myocardial Infarctions
3	<b>Hannah Bava</b>	Grant Wei, MD	Comparing the Multiple Mini-Interview (MMI) to the Standardized Video Interview (SVI) for medical students applying to Emergency Medicine Residency
4	<b>Rendell Bernabe</b>	Eric Hargreaves, PhD	Conforming MRI Spinal Sequences to FDA Approved Safety Conditions set out for Medtronic Deep Brain Stimulation (DBS) Implanted Systems
5	<b>Fernando Camacho Garcia</b>	Shaohua Li, MD	CREG1 is required for the maintenance of insulin sensitivity and blood glucose homeostasis
6	<b>Rachel Christensen</b>	Michael Lewis, PhD	The Development of Disgust and its Relationship to Adolescent Psychosocial Functioning
7	<b>Michael Ciaramella</b>	William Beckerman, MD	Prediction of 30-Day Mortality After Ruptured Abdominal Aortic Aneurysm Using the Harborview Medical Center Risk Score
8	<b>Pooja Desai</b>	Christina M. Duzyj, MD, MPH	Prospective Characterization of Immune Contributions to Uterine Scarring and Abnormal Trophoblast Invasion in Late Human Pregnancy
9	<b>Ruchi Desai</b>	Gregory Peck, MD	Examining the Standard Surgical Social History
10	<b>Kaitlyn Dickson</b>	Adrian Balica, MD	Long Term Outcomes of Sonographically Guided Intrauterine Device Placement
11	<b>Michael DiGaetano</b>	Kristen Coppola, PhD	Stepping into the first year: An assessment of the influence of medical student's knowledge and perceptions of USMLE Step 1 on first year study behaviors
12	<b>Samantha Elfanagely</b>	Gloria Bachmann, MD, MMS	Mothers, Children, and Marijuana: The Implications of Marijuana Use
13	<b>Ralph Foglia III</b>	Nina Cooperman, PsyD	Motivation for Substance Abuse Treatment among Individuals Admitted to Hospital Emergency Departments for an Opioid Overdose
14	<b>Kelly Gao</b>	Soko Setoguchi, MD, DrPH	Area-based Identification of Asian Racial Subgroups in Big Population Health Data
15	<b>Joel Glotfelty</b>	Karen Schindler, Ph.D.	Understanding the Role of Sirt7 in Ovarian Reserve and Oocyte Development

16	<b>Jack Hayes, Jack</b>	Sugeet Jagpal, MD	Assessing the Mass Casualty Incident Preparedness of In-Patient Physicians and Advanced Practice Providers
17	<b>Jason Ho</b>	Jerod Stapleton, PhD	Prevalence and Correlates of Intentional Outdoor Tanning: A National Survey of Young Adult Women
18	<b>Eileen Hu</b>	Babar Rao, MD	Artificial Intelligence in Dermatology Mobile Apps
19	<b>Chaewon Hwang</b>	Kelvin Kwong, MD	Elucidating the Relationship Between Obstructive and Central Sleep Apnea in Pediatric Population
20	<b>Daniel Idahosa</b>	Charles Gatt, MD	Mechanical Behavior of Tripled Semitendinosus Graft for ACL Reconstruction
21	<b>Jane Jacob &amp; Kristin Blackledge</b>	Gloria Bachmann, MD, MMS	A Narrative-Based Peer-to-Peer Educational Modality for Peripartum Mood and Anxiety Disorders
22	<b>Emmeline Jia</b>	Jeremy Sinkin, MD	Autologous Breast Reconstruction: A Decision-Making Algorithm
23	<b>Nyasia Jones</b>	Mihae Song, MD	The identification of genetic mutation associated with prolonged survival in ovarian serous cystadenocarcinoma using the Cancer Genome Atlas
24	<b>Jonathan Koptjev</b>	Ephrem Olweny, MD	Evaluation of the Association Between Weight-loss Diets and Risk of Kidney Stone Formation
25	<b>Abha Kulkarni</b>	John Kassotis, MD, EngD	Racial Disparity Amongst Patients Undergoing Surgical Aortic Valve Replacement (SAVR) and Transcatheter Aortic Valve Replacement (TAVR) in the United States
26	<b>Zev Leopold</b>	Eric Singer, M.D.	Proliferation and Contributions of Administrative Database Studies within Urologic Oncology Literature *Preliminary Data*
27	<b>Jiazhen Li</b>	Vikram Bhise, MD	Risk of Epilepsy in Children with Autism Spectrum Disorder – a Retrospective Cohort Study
28	<b>Allison Liang</b>	Shabbar Danish, MD	3D Model Characterization of Brain Tissue Damage in Magnetic Resonance-guided Laser Interstitial Thermal Therapy via a Computational Algorithm in MATLAB
29	<b>Jonathan Nazha</b>	William Beckerman, MD	Pseudoaneurysms: To Treat or Not to Treat, When to Treat, and How to Treat
30	<b>Julia Nelson</b>	Daniel Pilch, PhD	Cloning, Expression, and Characterization of Bacterial FtsZ Proteins as Potential Targets for New Antibiotic Agents
31	<b>Suraj Nyalakonda</b>	Sammy Elsamra, MD	Do robotic-assisted radical cystectomies lead to better outcomes than open radical cystectomies in patients with bladder cancer?
32	<b>Ashley Rodgers</b>	Peter Cole, MD	Levels of isoprostane as a biomarker of oxidative stress in the cerebrospinal fluid and organ tissues of rats exposed to chemotherapy
33	<b>Michael Simon</b>	Maureen Bueno, PhD, RN	Cost-Benefit Analysis of an Electronic Monitoring System for Hand Hygiene Compliance in Reducing Healthcare-Associated Infections
34	<b>Sapna Syal</b>	Eugenia Girda, MD	Comparison of Intraoperative Frozen Section and Final Pathology Report for Patients Undergoing Hysterectomy for Uterine Cancer

35	<b>Nehali Thakkar</b>	Maya Ramagopal, MD	The Prevalence of Depression in Children with Chronic Respiratory and Sleep Disorders
36	<b>Ranjitha Vasa</b>	Juanita Hutchinson-Colas, MD	Urinary Tract Infection Treatment and Antibiotic Stewardship at Rutgers Health Obstetrics and Gynecology
37	<b>Ashely Vincent</b>	Benjamin Crabtree, PhD	Physician Perspectives on HPV Vaccination in New Jersey
38	<b>Sho Yoshitake</b>	Vinod Rustgi, MD, MBA	The Roles of Aspirin, Statins, Coffee and Vitamin D in the Chemoprevention of Hepatocellular Carcinoma: A Meta-analysis
39	<b>Jeffrey Yung</b>	Cynthia Koziol-White, PhD & Reynold Panettieri, MD	Examining effects of CD6 stimulation on contractile signaling in airway structural cells
40	<b>Jefferson Ebube</b>	Jean L. Raphael, MD, MPH	Quality improvement: Identifying and Minimizing Barriers in Knowledge of HIV and PrEP Among Patients at Spring Branch Community Health Centers (SBCHC)

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# **THANK YOU**

Thank you for attending the **2019 Medical Student Summer Research Symposium.**

We truly appreciate your participation and continued support.

A special thank you to all to all faculty mentors, lectures, sponsors, students, facilitators, and staff for their participation in the program.

## **Special thanks to our sponsors**

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