

University of Maryland School of Medicine  
46<sup>th</sup> Annual Medical Student Research Day  
Tuesday, November 28 and Wednesday, November 29, 2023  
SMC Campus Center, 621 W. Lombard Street

## Presentation Titles List

See [MSRD 2023 Webpage](#) for more information about the event and any updates

### Day 1, Tuesday, November 28

#### Oral Presentations

Time Block: Tue., 11/28, 1:30-2:30 p.m.

#### Theme – AI and Informatics

- *Sex Bias in Pediatric Deep Learning Chest Radiograph Classifier Model*  
Presenter: Jake Kim, Mentors: Drs. Paul Yi and Vishwa Parekh
- *Evaluating the Trustworthiness of Explainable AI in Medical Imaging*  
Presenter: Alex Welsh, Mentors: Drs. Paul Yi and Vishwa Parekh, and
- *“Kids are not small adults”: Generalizability of Adult Artificial Intelligence Tools for the Pediatric Population*  
Presenter: Devina Chatterjee, Mentor: Dr. Paul Yi
- *Is your AI fair? An Evaluation of Demographic Biases in Aidoc for Intracranial Hemorrhage Triage*  
Presenter: Annie Trang, Mentors: Drs. Paul Yi, Vishwa Parekh, and Peter Kamel
- *Automated Extraction of Peri-coronary Adipose Tissue and Radiomic Feature Extraction on CORE320*  
Presenter: Devina Chatterjee, Mentor: Dr. Armin Zadeh
- *The Insurance Landscape of Botulinum Toxin Policies for Migraines in the United States*  
Presenter: Kevin Zhu, Mentor: Dr. Yvonne Rasko

## Theme – Musculoskeletal and Orthopaedics

- *Assessment of Differences Regarding Management of Pediatric Supracondylar Humerus Fractures Between Orthopaedic Provider Level of Training*  
Presenter: Cameron Amini, Mentor: Dr. Joshua Abzug
- *Motor Vehicle Transportation in Shoulder Spica Casts: Are Our Patients Safely Restrained?*  
Presenter: Ahlam Ashkar, Mentor: Dr. Joshua Abzug
- *Persistence of Anxiety in Multiligament Knee Injury with Dislocated Knee*  
Presenter: Laura De Ravin, Mentors: Drs. R. Frank Henn, III and Dominic Ventimiglia
- *Patient Perception of being "completely better" 2 years after total knee arthroplasty*  
Presenter: Ovais Hasan, Mentor: Dr. Frank Henn
- *Development of a Patient Specific Cartilage Graft Using Magnetic Resonance Imaging and 3D Printing*  
Presenter: Antoan Koshar, Mentors: Drs. Matthew Kolevar and Jonathan Packer
- *Risk Factors and Outcomes Associated with Satisfaction and Expectations After Hip Arthroscopy*  
Presenter: Seyedeh Zahra Mousavi, Mentor: Dr. Sean Meredith

## Theme – Hematology, Inflammation, Epidemiology, Ob/Gyn

- *Neutrophil-to-Lymphocyte and Platelet-to-Lymphocyte Ratios as Predictors of Post-Thrombotic Syndrome in Ileofemoral Deep Vein Thrombosis*  
Presenters: Anthony DeMartino, Anahita Shiva, and Olivia Babick, Mentor: Dr. Khanjan Nagarsheth
- *Health Damages of Wildfire Smoke on East Coast Cities*  
Presenter: Donald De Alwis, Mentor: Dr. Zhekang Ying
- *Is Residence Associated with Food Insecurity in Reproductive Patients: Which Database is better?*  
Presenter: Sanyukta Deshmukh, Mentor: Dr. Jessica Lee
- *Attitudes towards Aging in San Vito, Costa Rica*  
Presenter: Alexis Vetack, Mentor: Dr. Shivali Gupta
- *Delivery outcomes in pregnancy complicated by late-onset fetal growth restriction*  
Presenters: Amy Huddleson and Clarice Hu, Mentors: Drs. Andrea Desai and Molly Johnson

## Poster Presentations

Time Block: Tue., 11/28, 1:30-2:30 p.m.

### Themes – Brain and Neurological Disease; Cancer; Ophthalmology and Visual Sciences; Epidemiology, Aging

- *A Cytokine Profile Associated with Cortical and Deep Gray Matter Lesions in Multiple Sclerosis*  
Presenter: Matthew Wilhide, Mentor: Dr. Daniel Harrison
- *A Silent Man from a Voiceless Population*  
Presenter: Michael Karanja, Mentor: Dr. Charles Robinson
- *Neonatal outcomes associated with fetal posterior fossa abnormalities on prenatal ultrasound*  
Presenter: Grace Lechmann, Mentor: Dr. Alison DiSciullo
- *Value of additional testing in prenatal diagnosis of posterior fossa abnormalities on ultrasound.*  
Presenter: Nicol Tugarinov, Mentor: Dr. Alison DiSciullo
- *Play and Explorative Behavioral Outcomes in Ferret Model of Combined Under-Vehicle Blast and Controlled Cortical Impact-Induced Traumatic Brain Injury*  
Presenter: Lorena Hong, Mentors: Drs. Gary Fiskum and Molly Goodfellow
- *Adjuvant Intensity Modulated Proton Therapy for Management of Breast Cancer: A Retrospective Study of 5-year Oncologic Outcomes*  
Presenter: Desiree Lejano, Mentor: Dr. Elizabeth Nichols
- *The role of PD-L1 and LTbetaR signaling on B16F10 transendothelial migration*  
Presenter: Gregory Zapas, Mentor: Dr. Jonathan Bromberg
- *Digital Assessment of CMYC and Ki67 in Diffuse Large B-Cell Lymphoma*  
Presenter: Elise Ahn, Mentor: Dr. Michael Kallen, Madhurima Koka, and Zeba Singh
- *Investigation of the anti-cancer properties of glycolysis inhibitor 3-Bromopyruvate (3-BP) and radiation (RT) on pancreatic cancer cell line models.*  
Presenter: Bolutife Olagunju, Mentor: Dr. Shukla Hem
- *Decipher Genomic Testing Can Stratify Risk of Extracapsular Extension in Prostate Cancer Patients With Pi-Rads Lesions Scored 4 and Below*  
Presenter: Daniel Shats, Mentor: Dr. Minhaj Siddiqui

- *Interinstitutional comparison in implementing ophthalmology surgical workshop to increase interest and confidence*  
Presenter: Euna Cho, Mentors: Drs. Moran Levin and Janet Alexander
- *Alterations to Retinal Vascular Dynamics in Early Glaucoma*  
Presenter: Mary Ventimiglia, Mentor: Dr. Osamah Saeedi
- *The impact of retinopathy of prematurity screening on feeding readiness and volume of oral intake in preterm infants*  
Presenter: Urjita Das, Mentor: Dr. Janet Alexander
- *The Relationship Between Perceived Social Support and Aging in Rural Costa Rica*  
Presenter: Christine Wan, Mentor: Dr. Shailvi Gupta
- *Comparing Physical Activity Levels and Life Expectancy Disparity in the Elderly: A Cross-Cultural Study between Costa Rica and the United States*  
Presenter: Lilli Pedersen, Mentor: Dr. Shailvi Gupta
- *Aging in Indigenous Communities in Costa Rica*  
Presenter: Melissa Rallo, Mentor: Dr. Shailvi Gupta

## Oral Presentations

Time Block: Tue., 11/28, 2:40-3:40 p.m.

### Theme – Ophthalmology, Inflammation and Infection

- *The Potential Role of Rho Kinase Inhibitors in Ocular Graft-Versus-Host Disease*  
Presenter: Charlyn Gomez, Mentor: Dr. Sarah Sunshine
- *Anterior Chamber Depth and Lens Thickness Measurements in Pediatric Eyes: A-Scan Biometry versus Ultrasound Biomicroscopy*  
Presenter: Taylor Kolosky, Mentor: Dr. Janet Alexander
- *Candidemia Ocular Infections in High-Risk Patients and Outcomes*  
Presenter: Bhakti Panchal, Mentor: Dr. Jamie Choi
- *ROP Severity and Neonatal Comorbidities*  
Presenter: Nisarg Shah, Mentor: Dr. Janet Alexander
- *Outcomes in Patients with Traumatic Optic Neuropathy Managed with Steroids, Surgery, or Observation*  
Presenter: Nawal Shams, Mentor: Dr. Bashar Hassan

- *Leveraging yeast genetics in *Saccharomyces cerevisiae* to identify SARS-CoV-2 host-pathogen protein interactions*

Presenter: Simon Doss-Gollin, Mentor: Dr. Matthew Frieman

## Theme – Dermatology, Skin and Var Cancers

- *Blood eosinophils and race as markers of Th-2 skewed circulating immune profiles in prurigo nodularis*

Presenter: Hannah Cornman, Mentor: Dr. Shawn Kwatra

- *Using Pancreatic Tumor Organoids to Understand Treatment Response and Pancreatic Cancer Stem Cells*

Presenter: Zachery Keepers, Mentors: Drs. Hem Shukla and Jason Molitoris

- *Association between CDKN2A/p16 and Treatment Prognosis in Laryngeal Squamous Cell Carcinoma.*

Presenter: Helen Nguyen, Mentors: Drs. Daria Gaykalova and Ranee Mehra

- *Building a Novel Cancer Trainee-Survivor Educational Workshop Focused on Health Equity*

Presenter: Grace Padgett, Mentor: Dr. Laundette Jones

- *Value of a Multidisciplinary Geriatric Oncology Committee on Patient Care in a Community-based, Academic Cancer Center*

Presenter: Gurbani Singh, Mentor: Dr. Cherif Boutros

## Poster Presentations

Time Block: Tue., 11/28, 2:40-3:40 p.m.

## Themes – Heart/Cardiovascular; Skin and Dermatology; Immunology and Infectious Disease; Musculoskeletal Surgery; Liver and Transplant

- *The Role of Nutrition in Long-Distance Hikers' Cardiovascular and Muscular Health*

Presenter: Alexander Noonan-Shueh, Mentor: Dr. Doug Sward

- *Examining cardiac outcomes of patients who receive an impella prior to LVAD placement*

Presenter: Hannah Frederick, Mentor: Dr. Aakash Shah

- *An Endovascular Approach to the Treatment of Type A Aortic Dissection*

Presenter: Maxwell Emmanuel, Mentor: Dr. Samhati Mondal

- *Mapping black carbon exposure measured through mobile monitoring in Baltimore City neighborhoods in 2022*  
Presenter: Leena Khouri, Mentors: Drs. Snehal Patel and Timothy Carty
- *Epidemiology and Predictors of Car Seat Tolerance Screen Failure in Patients with Trisomy 21*  
Presenter: Emily Gerard, Mentor: Dr. Natalie Davis
- *Impact of Hyperbaric Oxygen Therapy in Skin and Soft Tissue Infections on Patient Outcomes*  
Presenter: Samantha Asuncion, Mentor: Dr. Quincy Tran
- *Prevalence and burden of rhinoconjunctivitis in atopic dermatitis patients: A cross-sectional study*  
Presenter: Isaac Betaharon, Mentor: Dr. Jonathan Silverberg
- *Understanding the Risk of Hospital Readmission Among People with Skin Ulcers Related to Injection Drug Use: Sub-analysis of the CHOICE Investigation*  
Presenter: Ishan Vaish, Mentors: Drs. Ed Traver and Sarah Kattakuzhy
- *Cutaneous Coccidiomycosis: A Case Report*  
Presenter: Madeline Brown, Mentor: Dr. Albert Zhou
- *Strain-specific and cross-reactive antibody responses to Plasmodium falciparum circumsporozoite protein*  
Presenter: Andrew Kim, Mentor: Dr. Andrea Berry
- *Identifying Factors to Increase Treatment-Seeking for Malaria Among All Age Groups in Rural Malawi*  
Presenter: Christine Wan, Mentor: Dr. Lauren Cohee
- *Risk Factors Associated with Transmission of Candida auris in the Acute Care Setting*  
Presenter: Sarah Bejo, Mentor: Dr. Anthony Harris
- *The impact of early-life antibiotic exposure on preterm infant intestinal maturation*  
Presenter: Sarina Maini, Mentor: Dr. Bing Ma and Tracy Hazen
- *Are Patients Completely Better after a Meniscus Repair?*  
Presenters: Bruce Chen and Ryan Lashgari, Mentor: Dr. Frank Henn
- *Liver Transplantation with Donor Macrosteatosis  $\geq 50\%$*   
Presenter: Shani Kamberi, Mentor: Dr. Raphael Meier

## Oral Presentations

Time Block: Tue., 11/28, 3:50-4:50 p.m.

### Theme – Inflammation and Infection

- *Does remdesivir improve PFTs in COVID ARDS patients.*  
Presenter: Binta Yawreh Njie, Mentor: Dr. Andrea Levine
- *Applying Shark-derived Nanobodies to Discover Sites of Vulnerability on Human Pathogenic Viruses*  
Presenter: Ethan McCaslin, Mentor: Dr. Helen Dooley
- *Assessment of HIV Knowledge in Adolescents and Young Adults*  
Presenter: Elsa Bjornlund, Mentors: Drs. Matthew Grant and Vicki Tepper
- *The Presentation of Catastrophic Antiphospholipid Syndrome in the Emergency Department: A Case Report*  
Presenter: Dina Elsaesser, Mentor: Dr. Leen Alblaihed
- *Progression of epitope-specific antibody responses to *P. falciparum* circumsporozoite protein following consecutive malaria infections in naïve adults*  
Presenter: Quynh-Thu Ta, Mentor: Dr. Andrea Berry

### Theme – Ophthalmology and Visual Sciences

- *Elucidating the Differences Between Systemic and Ocular Graft Versus Host Disease*  
Presenter: Jerry Bohlen, Mentor: Dr. Sarah Sunshine
- *Lens Capsule Microscopy in Patients with Cataracts*  
Presenter: Gabrielle Brizzi, Mentor: Dr. Janet Alexander
- *Retinal blood flow association with age, weight, and stage in infants at risk for Retinopathy of Prematurity*  
Presenter: Euna Cho, Mentors: Drs. Janet Alexander and Moran Levin
- *Using Ultrasound Biomicroscopy to Examine Changes in Iris Thickness in Patients with Childhood Glaucoma*  
Presenter: Joshua Estrada, Mentor: Dr. Janet Alexander

- *Characterization of the Iris and Lens in Subtypes of Congenital Glaucoma using Ultrasound Biomicroscopy: A Case-Control Study*  
Presenter: Radhika Gholap, Mentor: Dr. Janet Alexander
- *Surgical Management of Iris Bombe in Muscle-Eye-Brain Disease*  
Presenter: Radhika Gholap, Mentor: Dr. Radhika Gholap

### **Theme – Pain and Anesthesiology**

- *Muscle Echogenicity and Pressure-Pain Thresholds in Individuals with Severe Muscle Stiffness after Cerebral Injury*  
Presenter: Kaitlin Ballenger, Mentor: Dr. Preeti Raghavan
- *Opioid Use Disorder in Patients Undergoing Major Lower Extremity Amputation: Prevalence and Outcomes*  
Presenter: Luke Pitsenbarger, Mentor: Dr. Khanjan Nagarsheth
- *Nurse perspectives on their experiences giving low-dose methadone to nursing home residents: A qualitative study using semi-structured interviews*  
Presenter: Jennifer O'Brien, Mentor: Dr. Takeshi Uemura
- *Characterizing the impact of increased take-home methadone doses on retention in addiction treatment.*  
Presenter: Kieran Tebben, Mentor: Dr. Aaron Greenblatt
- *Emergency Department Opioid Prescription Patterns—Effects of the COVID-19 Pandemic*  
Presenter: Syrus Razavi, Mentors: Drs. Quincy Tran and Jeffrey Rea
- *Comparison of Goniometer Applications (Apps) Utilizing an iPad in the Clinical Setting*  
Presenter: Dennis Morozov, Mentor: Dr. Joshua Abzug

## Day 2, Wednesday, November 29

### Oral Presentations

Time Block: Wed., 11/29, 2:20-3:20 p.m.

#### Theme – Brain, Spinal Neurological Disease

- *Temporal firing pattern of cortical neuronal networks is preserved across bursts in vitro*  
Presenter: Ujwal Boddeti, Mentor: Dr. Alexander Ksendzovsky
- *Single Unit Neuronal Firing Becomes Increasingly Synchronized during Transition from Preictal to Seizure State*  
Presenter: Ujwal Boddeti, Mentor: Dr. Alexander Ksendzovsky
- *Comparative Analysis of Blunt Trauma and Gunshot Wounds to the Head On Thrombosis in Patients With Fractures Overlying the Superior Sagittal Sinus*  
Presenter: Daisy Martinez, Mentor: Dr. Kevin Kim
- *Understanding the role of adenotonsillectomy in children's brain outcomes*  
Presenter: Anahita Shiva, Mentor: Dr. Amal Isaiah
- *Lower Extremity Somatosensory Evoked Potentials Predict Functional Outcomes in Complete Traumatic Cervical Spinal Cord Injury*  
Presenter: Ovais Hasan, Mentor: Dr. Steven Ludwig
- *Traumatic Brain Injury in Patients with Frontal Sinus Fractures*  
Presenter: Pharibe Pope, Mentor: Dr. Michael Grant

#### Theme – Cardiovascular

- *Role of modern extracorporeal membrane oxygenation (ECMO) in peripartum period – a systematic review*  
Presenter: Lena Abdulrahman, Mentor: Dr. Samhati Mondal
- *Surgical treatment of carotid webs*  
Presenter: Hoang-Thien Cao, Mentors: Drs. Shahab Toursavadkohi, Jeanwan Kang, and Khanjan Nagarsheth
- *Associated fractures patterns of Patients with Retrobulbar Hematoma*  
Presenter: Magdi Elghannam, Mentor: Dr. Hassan Bashar

- *Pediatric Dilated Cardiomyopathy: A Review of Promising New Findings*  
Presenter: Ian Malinow, Mentor: Dr. Chaz Hong
- *Assessment of Computed Tomography Dictations for Inferior Vena Cava Filter Complications and Retrieval Recommendations*  
Presenter: Shirin Parsa, Mentor: Dr. Adam Fang
- *Evaluating the use of ocular thermography to detect carotid stenosis*  
Presenter: Aidan Wiley, Mentor: Dr. Sarasi Desikan

## Poster Presentations

Time Block: Tue., 11/29, 2:20-3:20 p.m.

### Themes – Genetics; Musculoskeletal Surgery; Liver and Transplant; ENT; Pulmonary; Renal; Ophthalmology

- *A genome-first investigation of digenic Fanconi anemia inheritance*  
Presenter: Joseph Deng, Mentor: Dr. Lisa McReynolds
- *Impact of neonatal drug screen on monitoring and management of neonatal opiate withdrawal syndrome*  
Presenters: Amy Huddleson and Ayda Soltanian Tiranchi, Mentor: Dr. Katrina Mark
- *Primary MPFL Reconstruction/Repair for Recurrent Patellar Instability: Patient Reported Outcomes at Two Years Follow-Up*  
Presenter: Douglas Cooper, Mentor: Dr. Frank Henn
- *Socioeconomic Deprivation Predicts Worse Functional Status Two Years After Orthopaedic Surgery*  
Presenter: Isaiah Harris, Mentor: Dr. Frank Henn
- *Patient-Reported Outcomes After Surgery for Pigmented Villonodular Synovitis in the Knee: A Cohort Study*  
Presenters: Ryan Lashgari and Bruce Chen, Mentor: Dr. Frank Henn
- *A Cross-sectional Analysis of Insurance Coverage of Spinal Infection and Spinal Tumor Surgeries*  
Presenter: Madeline Brown, Mentor: Dr. Garyn Metoyer
- *Risk Factors Associated with Complications Requiring Reoperation in Open Supracondylar Distal Humerus Fractures*  
Presenter: Zachary Wilhelm, Mentor: Dr. Raymond Pensy

- *How Can the OTA-OFC and GA be Used to Predict Fracture Related Infections (FRI)?*  
Presenters: Nina Hazra and Philip Khoury, Mentors: Drs. Gerard Slobogean, Robert O'Toole, and Nathan O'Hara
- *Virtual Reality is Equivalent to In Person Cadaver Based Training*  
Presenter: Heather Groves, Mentors: Drs. Adam Puche and Sarah Murthi
- *The Orthopaedic Trauma Association Open Fracture Classification as a Predictor of Open Tibial Fracture-Related Infections.*  
Presenters: Kevina Birungi-Huff and Anthony DeMartino, Mentors: Drs. Gerard Slobogean, Robert O'Toole, and Nathan O'Hara
- *Liver Transplant with a Cold Ischemic Time <3h With or Without Normothermic Machine Perfusion: A Comparison*  
Presenters: Erin Foster and Shani Kamberi, Mentor: Dr. Raphael Meier
- *Evaluation of Cannabidiol as a Therapeutic for Noise-Induced Hearing Loss*  
Presenter: Erika Lipford, Mentor: Dr. Ronna Hertzano
- *A Contemporaneous Comparison of Functional Recovery in ECMO and Non-ECMO Survivors of Acute Respiratory Failure*  
Presenter: Mackenzie Snyder, Mentor: Dr. Andrea Levine
- *Impact of intraoperative DDAVP on postoperative urine in adult cadaveric renal transplant – a single center retrospective study*  
Presenter: Catherine Waslyshyn, Mentor: Dr. Megan Anders and Sam Mondal
- *Ocular Trauma in an Incarcerated Patient Population*  
Presenter: Taylor Kolosky, Mentor: Dr. Kenneth Taubenslag
- *ACE Questionnaires: Let's talk about it*  
Presenter: Michael Karanja, Mentor: Dr. Deborah Badawi

## Oral Presentations

Time Block: Wed., 11/29, 3:30-4:30 p.m.

### Theme – Ophthalmology and Visual Sciences

- *Influence of gestational age on glaucoma and vision outcomes in the Infant Aphakia Treatment Study*  
Presenter: Claudia Wong, Mentor: Dr. Janet Alexander

- *Improving follow-up rates by optimizing patient educational materials in retinopathy of prematurity*  
Presenter: Susanna Yau, Mentor: Dr. Moran Levin
- *Use of EHR to Extract Normative Eyelid Measurements*  
Presenter: Jason Zhou, Mentor: Dr. Don Kikkawa
- *The Use of Ocular Imaging to Determine the Relationship Between Microvasculature and Neurodegeneration in Schizophrenia Spectrum Disorders*  
Presenter: Fatima Nycole Hidalgo, Mentors: Drs. Osamah Saeedi and Elliot Hong
- *Evaluating Medical Students' Perspectives on Aging and Dementia through Geriatric Simulation*  
Presenter: Euna Cho, Mentors: Drs. Diane Martin and Minkyung Park
- *Orbital Fracture Characteristics and Outcomes in Baltimore: A Multicenter Analysis*  
Presenter: Seray Er, Mentor: Dr. Michael Grant

### Theme – ENT, Glandular Disease, Transplant

- *Exploring the Role of FOXJ1 in the Auditory and Vestibular System Using a Foxj1 Conditional Knockout Mouse Model*  
Presenter: Han Dewan, Mentor: Dr. Ronna Hertzano
- *A Neck Mass of Thymic Origin in a Pediatric Patient*  
Presenter: Audrey Zauher, Mentor: Dr. Amal Isaiah
- *Post-Thyroidectomy Hypoparathyroidism*  
Presenters: Maria Som and Danielle Sidelnikov, Mentors: Drs. Kelly Moyer and Jane Tong
- *Elucidating relationships between serum AMH levels and pediatric follicular density in ovarian histological tissue following OTC*  
Presenter: Sarina Hanfling, Mentor: Dr. Veronica Gomez-Lobo, Jacqueline Maher, and
- *Evaluation of Hyperparathyroidism in Simultaneous Pancreas-Kidney Transplant Recipients*  
Presenter: Lane Cavey, Mentor: Dr. Silke Niederhaus
- *Relationship between intraoperative parathyroid hormone level and postoperative calcium balance in surgically-treated primary hyperparathyroidism*  
Presenter: Richa Beher, Mentor: Dr. Yinin Hu

## Poster Presentations

Time Block: Tue., 11/29, 3:30-4:30 p.m.

### Theme – Epidemiology Teaching or Education; Telemedicine

- *What about race? A Systematic Review on the Racial Disparities seen in Kidney Xenotransplantation Literature*  
Presenters: Ijeoma Obizoba and Sabrina Hidalgo-Ahmed, Mentor: Dr. Yvonne Rasko
- *Can a Streamlined and Less Expensive Version of a Successful NICU Parent Education Program Yield Similar Results?*  
Presenter: Tiffany Cao, Mentor: Dr. Brenda Hussey-Gardner
- *Student Evaluation of Real-Time Virtual Immersive Clinical Experience*  
Presenter: Nicol Tugarinov, Mentor: Dr. Regina Macatangay
- *Publication outcomes of abstracts presented at Skin of Color Update Annual Meeting from 2018 to 2020*  
Presenter: Madeline Brown, Mentor: Dr. Angel Byrd
- *Initiation of Sickle Cell Education in Pediatric Hematology Annual Visits*  
Presenter: Arley Wolfand, Mentor: Dr. Regina Macatangay
- *Implementation of a “Bias Check” Intervention on Academic Rounds and its Impact on Implicit Bias in Patient Care: Expansion to Internal Medicine*  
Presenter: Julianna Solomon, Mentor: Dr. Rebecca Carter
- *Quality of Life Through Implementation of the CASP-12 Scale in Aging Populations of Rural Coto Brus, Costa Rica*  
Presenter: Shania Bailey, Mentor: Dr. Shailvi Gupta
- *Utilizing a novel Telemedicine clinic for the management of diabetes.*  
Presenter: Reynier Hernandez, Mentor: Dr. Ilias Spanakis
- *The Effect of the COVID-19 Pandemic on Parenting Children with a Developmental Disability*  
Presenter: Jernelle John, Mentors: Drs. Deborah Badowi and Charina Reyes
- *Housing as a Social Determinant of Health - Employment and Life Satisfaction of Baltimore Residents in Substance Use Disorder Treatment*  
Presenter: Donald De Alwis, Mentor: Dr. Marianne Cloeren

- *Socioeconomic Status is Associated with Access to Simultaneous Pancreas and Kidney Transplant*  
Presenter: Shani Kamberi, Mentor: Dr. Raphael Meier
- *Characteristics of Spanish-language pelvic organ prolapse content on TikTok*  
Presenters: Amy Huddleson and Julianna Lebron Echandy, Mentor: Dr. Madeline Dick-Biascochea
- *An Analysis of Social and Emotional Isolation in an Aging Population of San Vito de Coto Brus, Costa Rica*  
Presenter: Nicholas Leahy, Mentors: Drs. Shailvi Gupta and Carlos Faerron Guzman
- *Nutritional Profile of Older Adults in San Vito de Coto Brus, Costa Rica*  
Presenter: Hima Konduru, Mentor: Dr. Shailvi Gupta
- *Impact of Gender Affirming Therapy on Mental Health Resource Utilization in Transgender and Gender Diverse Patients*  
Presenter: Danielle Sim, Mentor: Dr. Fan Liang