

Awards Memo

TO: University of Maryland School of Medicine

FROM: Gregory B. Carey, Ph.D., Associate Professor of Microbiology and Immunology
Assistant Dean for Student Research and Education
Executive Director of Student Research and Community Outreach

Miriam K. Laufer, M.D., M.P.H., Professor of Pediatrics
Associate Dean for Student Research and Education
Director, Office of Student Research

Qi Cao, J.D., Research Coordinator

Fiamia Romero, Program Management Specialist

Alex Casella, Ph.D., MSIV
Nicholas Fioravante, MSIV
Alpha Omega Alpha Medical Honor Society, University of Maryland School of
Medicine
MSRD Co-Chairs and Event Coordinators

DATE: November 18, 2022

RE: **45th Annual Medical Student Research Day, 2022 Student Award and Faculty Mentor Recognition Award Recipients**

On behalf of the Office of Student Research and the Alpha Omega Alpha (AOA) Honor Society, we would like to congratulate all the **Student Award** and **Faculty Mentor Recognition Award** recipients for the 45th Annual Medical Student Research Day (MSRD), held on November 16, 2022. MSRD, a proud tradition at the University of Maryland, is an opportunity for medical students to present their research accomplishments to the school community. This year, 85 presentations were given across 12 presentation sessions. Of the medical students who participated in MSRD, 15 received awards in their respective presentation sessions. Additionally, of the faculty mentors who had students presenting in MSRD, 10 received Faculty Mentor Recognition Awards for their transformational and productivity impact on their students.

Below are the names of Student Award recipients, their mentors and co-investigators, and the titles of their presentations. The names of Faculty Mentor Recognition Award recipients and the students who nominated them are also below.

We extend our sincerest thanks and appreciation to all the judges, mentors, participants, and attendees.

45th Annual Medical Student Research Day
2022 Student Presentation Award Recipients
(By Presentation Session)

Oral Presentation Session I
First Place: Claire Macatee, MS II (O.03)

Oral Presentation Session II
First Place: O. Insun Yoon, MS II (O.08)

Oral Presentation Session III
First Place: Radhika Gholap, MS II (O.16)

Oral Presentation Session IV
First Place: Urjita Das, MS II (O.19)

Oral Presentation Session V
First Place: Andres Chavez-Barragan, MS II (O.29)

Oral Presentation Session VI
First Place: William Kelley, MS II (O.36)

Oral Presentation Session VII
First Place: Maria Som, MS II (O.38)

Oral Presentation Session VIII
First Place: Eyerusalem Workneh, MS II (O.45)

Oral Presentation Session IX
First Place: Pharibe Pope, MS II (O.54)

Oral Presentation Session X
First Place: Seray Er, MS II (O.55)

Poster Presentation Session I
First Place: Donald De Alwis, MS II (P.12)

Poster Presentation Session I
Second Place: Alanna Stefano, MS II (P.06)

Poster Presentation Session II
First Place: Jacob Cuevas, MS II (P.26)

Poster Presentation Session II
Second Place: Guido Massaccesi, MS II (P.17)

Poster Presentation Session II
Third Place: Sarah Flaherty, MS II (P.14)

Presentation Abstract Titles
(Alphabetical by Award Recipient Last Name)

INVESTIGATING A NOVEL ANIMAL MODEL OF ANTI-NMDAR ENCEPHALITIS.
Andres Chavez-Barragan*, and David R. Benavides¹, ¹Division of Multiple Sclerosis and Neuroimmunology, Department of Neurology, University of Maryland School of Medicine, Baltimore, MD.

RGC-32 CONTRIBUTES TO REACTIVE ASTROCYTOSIS IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS BY MAINTAINING A MATURE PHENOTYPE.
Jacob Cuevas*, Alexandru Tatomir¹, Vinh Vinh², and Horea Rus¹, ¹Department of Neurology and Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

PAIN AND STRESS RESPONSES DURING RETINOPATHY OF PREMATURITY SCREENING: NON-CONTACT LASER SPECKLE CONTRAST IMAGING VERSUS THE STANDARD OF CARE. Urjita Das*, Tara Balasubramanian¹, Daniel Shats¹, Danielle Sidelnikov¹, Sripriya Sundararajan², and Janet Alexander³, ²Division of Neonatology, ³Department of Pediatrics, ¹University of Maryland School of Medicine, Baltimore, MD.

ACUTE HEALTH EFFECTS OF SUMMER WILDFIRE SMOKE IN MARYLAND. Donald De Alwis* and Zhekang Ying¹, ¹Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

IMPROVEMENTS IN PATIENT THROUGHPUT AFTER CREATION OF AN INTEGRATED MAXILLOFACIAL TRAUMA SERVICE. Seray Er*, Joshua Yoon¹, Cynthia Yusuf², Eric Resnick², and Michael Grant³, ¹Department of Surgery, George Washington University Hospital, Washington DC and ³Division of Plastic and Reconstructive Surgery, Department of Surgery, ²University of Maryland School of Medicine, Baltimore, MD.

EFFECTS OF IMPLEMENTING A MANDATORY MENTORED SCHOLARLY PROJECT (FRCT) AT UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE. Sarah Flaherty*, Greg Carey¹, and Donald R. Matteson¹, Office of Student Research, University of Maryland School of Medicine, Baltimore, MD.

CHARACTERIZATION OF THE IRIS, CILIARY BODY, AND LENS IN PEDIATRIC PRIMARY CONGENITAL GLAUCOMA USING ULTRASOUND BIOMICROSCOPY: A CASE-CONTROL STUDY. Radhika Gholap*, Esther Xu¹, and Janet Alexander², ²Division of Strabismus and Pediatric Ophthalmology, ¹Department of Ophthalmology and Visual Sciences, University of Maryland School of Medicine, Baltimore, MD.

ANTITHROMBOTICS AND STROKE SURVIVAL IN PATIENTS WITH CONCURRENT BLUNT CEREBROVASCULAR INJURY AND TBI. William Kelley*, Deborah Stein¹, Thomas Scalea¹, and Margaret Lauerman¹, ¹Division of Critical Care and Trauma, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

PERCENT GLEASON PATTERN 4 IN STRATIFYING THE PROGNOSIS OF FAVORABLE VS. UNFAVORABLE INTERMEDIATE-RISK PROSTATE CANCER. Claire Macatee*, Shu Wang¹, and Mohammad Siddiqui¹, ¹Division of Urology, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

NEUTROPHILIC SIGNATURES ASSOCIATE WITH DISEASE SEVERITY IN SARS-COV-2 INFECTION IN A SEX SPECIFIC MANNER. Guido Massaccesi*, Ziqi Fu¹, Weiqliang Zhou¹, and Eileen Scully², ¹Department of Biostatistics and ²Division of Infectious Diseases, Department of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD.

MANAGEMENT OF ZYGOMATICOMAXILLARY COMPLEX FRACTURES AT A LEVEL 1 TRAUMA CENTER: RETROSPECTIVE STUDY AND REVIEW OF LITERATURE. Pharibe Pope*, Meryam Shikara¹, Kimberly Oslin², Joshua Yoon³, Kalpesh Vakharia¹, and Natalie Justicz¹, ¹Department of Otorhinolaryngology - Head and Neck Surgery, ²University of Maryland School of Medicine, Baltimore, MD and ³Department of Surgery, George Washington University School of Medicine, Washington DC.

MODIFIED FRAILTY INDEX HELPS PREDICT MORTALITY AND AMBULATION IN PATIENTS WITH CHRONIC KIDNEY DISEASE FOLLOWING MAJOR LOWER EXTREMITY AMPUTATION. Maria Som*, Natalie Chao¹, Allison Karwoski¹, Luke Pitsenbarger¹, Nora Dunlap², and Khanjan Nagarsheth², ²Division of Vascular, ¹Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

EVALUATION OF TUMOR VOLUME AS A PREDICTOR OF OUTCOMES FOR PATIENTS WITH LOCALLY ADVANCED ESOPHAGEAL CANCER. Alanna Stefano*, and Jason Molitoris¹, ¹Department of Radiation Oncology, University of Maryland School of Medicine, Baltimore, MD.

EARLIER CLOSURE OF GUILLOTINE MAJOR LOWER EXTREMITY AMPUTATION IS ASSOCIATED WITH SHORTER HOSPITAL LENGTH OF STAY WITHOUT INCREASED RISK OF POST-AMPUTATION INFECTIONS. Eyerusalem Workneh*, Allison Karwoski¹, Natalie Chao¹, Luke Pitsenbarger¹, Nora Dunlap², and Khanjan Nagarsheth², ²Division of Vascular, ¹Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

COVID CARD: A PILOT STUDY INVESTIGATING THE CLINICAL PERFORMANCE OF A POINT-OF-CARE, SEMI-QUANTITATIVE TEST FOR SARS-COV-2 ANTIBODIES. O. Insun Yoon*, Michael Sikorski¹, and R. Gentry Wilkerson², ²Department of Emergency Medicine, ¹University of Maryland School of Medicine, Baltimore, MD.

45th Annual Medical Student Research Day

2022 Faculty Mentor Recognition Award Recipients

Dr. Janet Alexander
Recognized for: Transformational Impact
Nominated by: Bhakti Panchal, MSII

Dr. Amal Isaiah
Recognized for: Productivity Impact
Nominated by: Audrey Zauher, MSII

Dr. Matthew Laurens
Recognized for: Productivity Impact
Nominated by: Alexander Laurenson, MSII

Dr. Moran Roni Levin
Recognized for: Transformational Impact
Nominated by: Susanna Yau, MSII

Dr. Khanjan Nagarsheth
Recognized for: Productivity Impact
Nominated by: Luke Pitsenbarger, MSIII;
Natalie Chao, MSII; Allison
Karwoski, MSII; Maria Som,
MSII; & Eyerusalem
Workneh, MSII

Dr. Stella Hines
Recognized for: Transformational Impact
Nominated by: Emma Lawrence, MSII

Dr. Alexander Ksendzovsky
Recognized for: Productivity Impact
Nominated by: Darrian McAfee, MSII

Dr. Jessica K. Lee
Recognized for: Transformational Impact
Nominated by: Sanyukta Deshmukh, MSII

Dr. Andrea Meredith
Recognized for: Transformational Impact
Nominated by: Indira Jetton, MSII

Dr. Silke Niederhaus
Recognized for: Transformational Impact
Nominated by: Kaitlyn Freels, MSIII