

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
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Kristen Brao, MSIV
Justin Kung, MSIV
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Alpha Omega Alpha Medical Honor Society, University of Maryland School of
Medicine
MSRD Event Coordinators

DATE: December 10, 2021

RE: **44th Annual Medical Student Research Day, 2021 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 44th Annual Medical Student Research Day (MSRD), held virtually on November 15-16, 2021. 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, 61 presentations were given across 10 presentation sessions. Of the medical students who participated in MSRD, 12 received First Place Awards in their respective presentation sessions. Additionally, of the faculty mentors who had students presenting in MSRD, 9 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. Below are also the names of Faculty Mentor Recognition Award recipients and the students who nominated them.

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

44th Annual Medical Student Research Day
2021 Student Presentation Award Recipients
(By Presentation Session)

Oral Presentation Session I
First Place: Luke Pitsenbarger, MSII (O.05)

Oral Presentation Session VI
First Place: Matthew Chrencik, MSIII (O.34)

Oral Presentation Session II
First Place: Katherine Raja, MSII (O.12)

Oral Presentation Session VII
First Place: Seyedeh Zahra Mousavi, MSII (O.40)

Oral Presentation Session III
First Place: Lisa Roskes, MSIV (O.17)

Oral Presentation Session VIII
(co-presenters)

First Place: Chaoyang Wang, MSIII &
Isha Darbari, MSIII (O.47)

Oral Presentation Session IV
(tied)

First Place: Danielle Sim, MSII (O.21)

First Place: Zachariah Lee, MSII (O.24)

Poster Presentation Session I
First Place: Sun Gyeong Choi, MSII (P.05)

Oral Presentation Session V
First Place: Sarah Byun, MSII (O.27)

Poster Presentation Session II
First Place: Hannah Palmer, MSII (P.12)

Presentation Abstract Titles
(Alphabetical by Award Recipient Last Name)

LENS THICKNESS IN CONGENITAL AND CHILDHOOD CATARACTS: A CASE CONTROL STUDY. Sarah Byun*, Alexandra Dolgetta¹, Moran Levin², and Janet Alexander², ²Division of Pediatrics, Department of Ophthalmology and Visual Sciences, ¹University of Maryland School of Medicine, Baltimore, MD

DIAGNOSTIC VALUE OF MUSCLE BIOPSY IN CONJUNCTION WITH NERVE BIOPSY IN EVALUATION OF CLINICAL PRESENTATIONS OF PERIPHERAL NEUROPATHY. Sun Gyeong Choi* and Cheng-Ying Ho, Department of Pathology, University of Maryland School of Medicine, Baltimore, MD.

CONTRAST-ENHANCED DUPLEX ULTRASOUND ASSESSMENT OF EXERCISE INDUCED MICROVASCULAR PERFUSION DEFICITS IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE. Matthew Chrencik*, Steven J. Prior¹, Eric Christensen¹, Rishi Kundi², and Brajesh K. Lal², ¹Division of Gerontology and Geriatric Medicine, Department of Medicine and ²Division of Vascular Surgery, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

DIFFERENTIAL DENDRITIC CELL RECRUITMENT INDUCED BY THE GUT MICROBIOTA IN CARDIAC TRANSPLANTATION. Zachariah L. Lee*, Jegan Iyyathurai¹, Ram Lakhan¹, Samuel J. Gavzy², Vikas Saxena¹, and Jonathan S. Bromberg³, ³Division of Transplantation, ²Department of Surgery, ¹University of Maryland School of Medicine, Baltimore, MD.

DEFINING COMPLETELY BETTER STATUS THROUGH PATIENT-REPORTED OUTCOMES AFTER ROTATOR CUFF REPAIR. Seyedeh Zahra Mousavi* and Samir Kaveeshwar, Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, MD.

COMPARISON OF GROUP PRENATAL CARE VERSUS STANDARD INDIVIDUAL PRENATAL CARE FOR PATIENTS WITH DIABETES IN PREGNANCY. Hannah Palmer*, and Sarah Crimmins, Division of Maternal Fetal Medicine, Department of Obstetrics, Gynecology and Reproductive Sciences, University of Maryland School of Medicine, Baltimore, MD.

PROMIS DEPRESSION AND ANXIETY PREDICT WORSE POSTOPERATIVE FUNCTION IN ORTHOPAEDIC HAND AND WRIST SURGERY PATIENTS. Luke Pitsenbarger*, Samir Kaveeshwar¹, Jason Lynch¹, Ngozi M. Akabudike², Raymond A. Pensey³, and R. Frank Henn III⁴, ²Division of Hand Surgery, ³Division of Trauma, and ⁴Division of Sports Medicine, ¹Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, MD.

ASSOCIATION OF PROPHYLACTIC PLATELET TRANSFUSION AND SEVERE INTRAVENTRICULAR HEMORRHAGE IN VERY LOW BIRTH WEIGHT INFANTS. Katherine Raja*, Brenda Hussey-Gardner¹, Mathangi Gopalakrishnan², and Sripriya Sundararajan¹, ¹Division of Neonatology, Department of Pediatrics, University of Maryland School of Medicine and ²Center for Translational Medicine, University of Maryland School of Pharmacy, Baltimore, MD.

ASSOCIATION OF ENTERAL FEEDING PATTERNS WITH INTESTINAL BARRIER FUNCTION IN PRETERM NEONATES. Lisa Roskes*, Bing Ma¹, Rose Viscardi², Alexandre Medina³, and Sripriya Sundararajan², ¹Department of Microbiology and Immunology and ²Division of Neonatology, ³Department of Pediatrics, University of Maryland School of Medicine, Baltimore, MD.

CCN2 KNOCKOUT DEMONSTRATES ENHANCED ACHILLES TENDON HEALING IN ADULT MICE. Danielle Sim*, Kathryn Grescovich¹, Jocelyn Wu², Natalie Leong¹, and Jie Jiang¹, ¹Department of Orthopaedics, ²University of Maryland School of Medicine, Baltimore, MD.

EFFECT OF REMOTE MINDFULNESS-BASED ART WORKSHOPS (MBAW) ON STRESS, ANXIETY, AND DEPRESSION IN MEDICAL STUDENTS. Chaoyang Wang*, Isha Darbari*, Mazen Tolaymat¹, Sandra Quezada¹, John Allen², and Raymond Cross¹, ¹Division of Gastroenterology and Hepatology, Department of Medicine, ²University of Maryland School of Medicine, Baltimore, MD.

44th Annual Medical Student Research Day

2021 Faculty Mentor Recognition Award Recipients

Dr. Janet Alexander
Recognized for: Transformational Impact
Nominated by: Dhruv Shah, MSII

Dr. Dan Gingold
Recognized for: Transformational Impact
Nominated by: Anna Apffel, MSII

Dr. Deanna L. Kelly
Recognized for: Transformational Impact
Nominated by: Emily Daniels, MSII

Dr. Alexander Ksendzovsky
Recognized for: Productivity Impact
Nominated by: Ujwal Boddeti, MSII

Dr. Sripriya Sundararajan
Recognized for: Transformational Impact
Nominated by: Lisa Roskes, MSIV &
Katherine Raja, MSII

Dr. Natalie L. Davis
Recognized for: Transformational Impact
Nominated by: Sarah-Therese Curtis, MSII

Dr. Yinin Hu
Recognized for: Productivity Impact
Nominated by: Emily Ma, MSII

Dr. Charles C. Hong
Recognized for: Productivity Impact
Nominated by: Matthew Miyamoto, MSII

Dr. David Riedel
Recognized for: Transformational Impact
Nominated by: Asha Kodan, MSII