

Memo

TO: University of Maryland School of Medicine

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

Kerri A. Thom, M.D., M.S., Professor of Epidemiology and Public Health
Assistant Dean for Student Research and Education
Director of the Office of Student Research

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Alpha Omega Alpha Medical Honor Society, University of Maryland School of Medicine
MSRD Event Coordinators

DATE: November 25, 2019

RE: 42nd Annual Medical Student Research Day 2019 Award Recipients

On behalf of the Office of Student Research and the Alpha Omega Alpha (AOA) Honor Society, we would like to congratulate all of the award recipients for the 42nd Annual Medical Student Research Day (MSRD) held on November 19, 2019. MSRD is a proud tradition for the University of Maryland's medical students to present their research accomplishments to the school and the campus. The presentations are judged, and competitive placements are awarded in recognition of outstanding research and presentations. This year, 75 presentations were held during seven presentation sessions. Out of the medical students who participated in MSRD, 13 received First, Second, or Third Place awards in their respective presentation sessions.

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

Attached are the names of award recipients, the names of their mentors and co-investigators, and the titles of their presentations.

42nd Annual Medical Student Research Day 2019 Award Recipients
(By Presentation Session)

Oral Session I	Poster Session I
<u>First Place:</u> Kevin Kim, MS II & Amrita Sarkar, MS II (co-presenters)	<u>First Place:</u> Serban Negoita, MS II
	<u>Second Place:</u> Mary Mangione, MS II
	<u>Third Place:</u> Cristiana Salvatori, MS II
Oral Session II	Poster Session II
<u>First Place:</u> Aishwarya Iyer, MS II	<u>First Place:</u> Leah Henry, MS III & Gregory Perraut, MS III (co-presenters)
Oral Session III	<u>Second Place:</u> Carolyn Drogt, MS III
<u>First Place:</u> Huanwen Chen, MS III	<u>Third Place:</u> Karly Lebherz, MS III
Oral Session IV	
<u>First Place:</u> Lucille Martin, MS II	
Oral Session V	
<u>First Place:</u> Jennifer Drechsler, MS II	

Presentation Abstract Titles
(By Award Recipient)

IMPACT OF DEXAMETHASONE GLIOBLASTOMA IMMUNOTHERAPY AND STRATEGIES TO AVOID STEROID-INDUCED T-CELL SUPPRESSION. Huanwen Chen* and Mark Gilbert, Neuro-Oncology Branch, National Cancer Institute, National Institutes of Health, Bethesda, MD.

STRUCTURAL CHANGES AFTER ANGLE SURGERY COMPARED TO TUBE SHUNT PLACEMENT IN INFANTS AND CHILDREN. Jennifer Drechsler* and Janet Alexander, Division of Pediatric Ophthalmology and Strabismus, Department of Ophthalmology and Visual Sciences, University of Maryland School of Medicine, Baltimore, MD.

ORBITAL AND EYE INJURIES FROM SELF-INFLICTED GUNSHOTS: PATTERNS AND MANAGEMENT. Carolyn Drogt*, Adekunle Elegbede, and Michael Grant, Division of Plastic and Reconstructive Surgery, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

PERIOPERATIVE OPIOID USE IN ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION PATIENTS. Leah Henry*, Gregory Perraut*, Ali Aneizi¹, Elizabeth Friedmann¹, Jack Song¹, Jonathan Packer², and R. Frank Henn², ²Division of Sports Medicine, ¹Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, MD.

DYNAMIC REGULATION OF SMYBP-C VIA PHOSPHORYLATION AND SUBSEQUENT EFFECTS ON MYOSIN BINDING. Aishwarya Iyer* and Aikaterini Kontrogianni-Konstantopoulos, Department of Biochemistry and Molecular Biology, University of Maryland School of Medicine, Baltimore, MD.

THERAPEUTIC DRUG-INDUCED HYPOTHERMIA IN TRAUMATIC SPINAL CORD INJURY. Kevin Kim*, Amrita Sarkar*, Orest Tsymbalyuk, Vladimir Gerzanich, and J Marc Simard, Department of Neurosurgery, University of Maryland School of Medicine, Baltimore, MD.

PATIENT TO HEALTHCARE WORKER TRANSMISSION OF MRSA IN THE NON-INTENSIVE CARE UNIT SETTING. Karly Lebherz*, Anthony Harris, Gita Nadimpalli, Lyndsay O'Hara, Lisa Pineles, and J Kristie Johnson, Department of Epidemiology and Public Health, University of Maryland School of Medicine, Baltimore, MD.

FLAWS IN AV VALVE FORMATION ASSOCIATE WITH SMALL PLACENTAS IN CHROMOSOMALLY NORMAL FETUSES. Mary Mangione*, Halis Ozdemir, Ozhan Turan, and Shifa Turan, Division of Maternal Fetal Medicine, Department of Obstetrics, Gynecology and Reproductive Sciences, University of Maryland School of Medicine, Baltimore, MD.

EVALUATING DIABETES SCREENING METHODS IN EARLY PREGNANCY. Lucille Martin*, Emad Elsamadicy, Tabitha Quebedeaux, Andrea Desai, Jerome Kopelman, and Sarah Crimmins, Division of Maternal Fetal Medicine, Department of Obstetrics, Gynecology and Reproductive Sciences, University of Maryland School of Medicine, Baltimore, MD.

THE EFFECT OF GLIBENCLAMIDE ON MACROPHAGE AND MICROGLIA INTERNALIZATION OF & GRAPHICS GROUP HEMOGLOBIN IN INTRACEREBRAL HEMORRHAGE. Serban Negoita*, Vaishnavi Katragadda, Orest Tsymbalyuk, Seung Kyoong Woo, Vladimir Gerzanich, and J. Marc Simard, Department of Neurosurgery, University of Maryland School of Medicine, Baltimore, MD.

EVALUATING PERI-ICTAL CHANGES IN MOOD IN PATIENTS WITH EPILEPTIC SEIZURES. Cristiana Salvatori*, Jennifer Hopp¹, Lauren Kasoff², and Jonathan Popham², ¹Division of Epilepsy, Department of Neurology, ²University of Maryland School of Medicine, Baltimore, MD.