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., Associate Professor of Epidemiology and Public Health Assistant Dean for Student Research and Education Director of the Office of Student Research

Qi Cao, J.D., Research Coordinator

Eileen M. Eldridge, Administrative Assistant

Josef Jolissant, MS IV, President of Maryland Beta Chapter
Carly Blatt, MS IV, Maryland Beta Chapter Member
Paige Kennedy, MS IV, Maryland Beta Chapter Member
Richa Manglorkar, MS IV, Maryland Beta Chapter Member
Jordan Parker, MS IV, Maryland Beta Chapter Member
Jesse Stokum, MS IV, Maryland Beta Chapter Member

Alpha Omega Alpha Medical Honor Society, University of Maryland School of Medicine

MSRD Event Coordinators

DATE: November 26, 2018

RE: 41st Annual Medical Student Research Day 2018 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 41st Annual Medical Student Research Day (MSRD) held on November 14, 2018. 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, 88 presentations were held during eight presentation sessions. Out of the medical students who participated in MSRD, 21 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.
## Oral Session I

**First Place:** Saif Yasin, MS II  
**Second Place:** Gabrielle Siegel, MS II

## Oral Session II

**First Place:** Matthew Schliep, MS II  
**Second Place:** Zaid Bilgrami, MS II

## Oral Session III

**First Place:** Alexa Ciesinski, MS II  
**Second Place:** Noah Lessing, MS II

## Oral Session IV

**First Place:** Qaren Quartey, MS II  
**Second Place:** James Frisbie, MS II

## Oral Session V

**First Place:** Kieran Tebben, MS II  
**Second Place:** Alexandra Vlk, MS II

## Poster Session I

**First Place:** Bailey Howard, MS II  
**Second Place:** Leah Henry, MS II  
**Third Place:** Stephan Olaya, MS II

## Poster Session II

**First Place:** Christine Server, MS II and Solomiya Tsymbalyuk, MS II  
**Second Place:** Neila Kline, MS II  
**Third Place:** Zachary Bolten, MS II

## Poster Session III

**First Place:** Da Bin Lee, MS II  
**Second Place:** Autusa Pahlavan, MS II  
**Third Place:** Lauren Pace, MS II and Matthew Tinkham, MS II

## Presentation Abstract Titles

**EFFECT OF TELE-MEDICINE FOR INFLAMMATORY BOWEL DISEASE (TELE-IBD) ON PATIENT ACTIVATION AND SELF-EFFICACY.** Zaid Bilgrami*, Raymond Cross, and Ameer Abutaleb, Division of Gastroenterology and Hepatology, Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

**USE OF 3D PRINTED PROSTATE MODELS IN PREOPERATIVE PLANNING TO ASSIST RADICAL PROSTATECTOMY.** Zachary Bolten*, Hubert Huang1, Amelia Wnorowski2, Jeffrey Hirsch2, and M. Minhaj Siddiqui3, 1Department of Diagnostic Radiology and Nuclear Medicine and 3Division of Urology, Department of Surgery, 1University of Maryland School of Medicine, Baltimore, MD.

**IMPACT OF PHAGOCYTOSIS ON MICROGLIAL ACTIVATION IN THE INJURED BRAIN.** Alexa Ciesinski*, Rodney Ritzel, and David Loane, STAR-ORC, University of Maryland School of Medicine, Baltimore, MD.

**CLINICAL AND MOLECULAR CHARACTERISTICS OF LONG TERM SURVIVORS OF CNS TUMORS: A REPORT FROM THE NEURO-ONCOLOGY BRANCH NATURAL HISTORY STUDY.** James Frisbie*, Elizabeth Vera, Mark Gilbert, Terri Armstrong, National Institute of Health - Neuro Oncology Branch (NCI), Bethesda, MD.
PREOPERATIVE EXPECTATIONS AND EARLY POSTOPERATIVE MET
EXPECTATIONS OF EXTREMITY ORTHOPAEDIC SURGERY. Leah Henry*, Ali Aneizi,
Vidushan Nadarajah, Michael Smuda, Jonathan Packer, and R. Frank Henn III, Division of Sports
Medicine, Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, MD.

PREDICTORS OF EARLY PATIENT SATISFACTION FOLLOWING ORTHOPAEDIC
SURGERY. Bailey Howard*, Ali Aneizi1, Vidushan Nadarajah1, Patrick Sajak2, Min Zhan3, and R.
Frank Henn III1, 1Division of Sports Medicine, 2Department of Orthopaedics and 3Department of
Epidemiology and Public Health, University of Maryland School of Medicine, Baltimore, MD.

FN14-RELATED ALTERATIONS IN GLIOBLASTOMA CELL MOVEMENT AND
NUCLEAR INTEGRITY IN THE SETTING OF CONFINED MIGRATION. Neila Kline*,
Graeme Woodworth1, and Jeff Winkles2, 1Department of Neurosurgery and 2Department of
Surgery, University of Maryland School of Medicine, Baltimore, MD.

UNDERSTANDING THE SHORT-TERM NEUROLOGICAL IMPACT OF EXPOSURE TO
HYPEROXIA FOLLOWING CANINE CARDIAC ARREST. Da Bin Lee*, Timothy Pearson1,
Julie Proctor1, Robert Rosenthal2, and Gary Fiskum1, 1Department of Anesthesiology and 2Division of
Hyperbaric Medicine, Department of Emergency Medicine, University of Maryland School of
Medicine, Baltimore, MD.

EXPANSION OF TRAUMATIC HEMORRHAGIC CONTUSION IN CERVICAL SPINAL
CORD INJURY. Noah Lessing*, Harry Mushlin1, Timothy Chryssikos1, Jeffrey Oliver1, Bizhan
Aarabi2, and Gary Schwartzbauer3, 1Division of Neurotrauma and 3Program in Trauma, R. Adams
Cowley Shock Trauma Center, 1Department of Neurosurgery, University of Maryland School of
Medicine, Baltimore, MD.

THE RELATIVE IMPORTANCE OF SOCIOECONOMIC AND CLINICAL CONCERNS OF
ORTHOPAEDIC TRAUMA PATIENTS FOLLOWING INJURY. Stephan Olaya*, Katherine
Ordonio, Alexandra Mulliken, Gerard Slobogean, and Nathan O’Hara, Department of
Orthopaedics, University of Maryland School of Medicine, Baltimore, MD.

CLINICAL FEATURES AND QUALITY OF LIFE IN PATIENTS WITH COMPLEX
DEFECTS OF THE ABDOMINAL WALL. Lauren Pace*, Adekunle Elegbede1, Yvonne Rasko2,
Fan Liang3, Michael Grant3, and Arthur Nam3, 1Department of Plastic and Reconstructive Surgery,
Johns Hopkins, 2Division of Plastic and Reconstructive Surgery, University of Maryland Medical
Center, and 3Division of Plastic, Reconstructive, and Maxillofacial Surgery, Department of R. Adams
Cowley Shock Trauma Center, University of Maryland School of Medicine, Baltimore, MD.

CHARACTERIZING PERI-ICAL MOOD CHANGES IN PATIENTS WITH EPILEPSY.
Autusa Pahlavan*, Scott Thompson1, and Jennifer Hopp2, 1Department of Physiology and 2Division
of Epilepsy, Department of Neurology, University of Maryland School of Medicine, Baltimore, MD.
TRANSPLANTING THE WAY TO CLEARANCE: LESSONS LEARNED FROM DEVELOPMENT OF A HIDRADENITIS SUPPURATIVA (HS) XENOGRAFT MOUSE MODEL. Qaren Quartey*, Robert J. Miller¹, Uchechukwu J. Okoh¹, Lloyd S. Miller¹, Ginette A. Okoye², and Angel S. Byrd², ¹Department of Dermatology, Johns Hopkins University School of Medicine, Baltimore, MD, and ²Department of Dermatology, Howard University College of Medicine, Washington, D.C.

EFFECT OF TELEMEDICINE ON QUALITY OF LIFE AND DEPRESSIVE SYMPTOMS IN PATIENTS WITH INFLAMMATORY BOWEL DISEASE. Matthew Schliep*, Raymond Cross, and Kenechukwu Chudy-Onwugaje, Division of Gastroenterology and Hepatology, Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

SUPPORTING THE UNMET CARE NEEDS OF OLDER ADULTS WITH ADVANCED CANCER. Christine Server* and Ryan Nipp, Massachusetts General Hospital, Boston, MA.

THE HEART-PLACENTAL AXIS: THE RELATIONSHIP BETWEEN TYPE OF CONGENITAL HEART DEFECT AND THE PLACENTA. Gabrielle Siegel*, Elizabeth Cutting, Ozhan Turan, and Shifa Turan, Department of Obstetrics, Gynecology and Reproductive Sciences, University of Maryland School of Medicine, Baltimore, MD.

ANALYSIS OF MALARIA INFECTION AND DISEASE IN THE FIRST TWO YEARS OF LIFE. Kieran Tebben* and Miriam Laufer, Division of Associate Director for Malaria Research, Department of Pediatrics, University of Maryland School of Medicine, Baltimore, MD.

EVALUATING THE THREAT OF CARBAPENEM-RESISTANT ENTEROBACTER IN CRITICAL CARE PATIENTS. Matthew Tinkham* and Kristie Johnson, Department of Pathology, University of Maryland School of Medicine, Baltimore, MD.

BRIVARACETAM: A NOVEL NON-OPIOID TREATMENT FOR PAIN ASSOCIATED WITH PERIPHERAL NERVE INJURY. Solomiya Tsymbalyuk*, Madeleine Smith¹, Orest Tsymbalyuk¹, and Marc J. Simard², ²Department of Neurosurgery, ¹University of Maryland School of Medicine, Baltimore, MD.

IDENTIFICATION OF HOST TARGETS FOR INFLUENZA A VIRUS USING A YEAST SCREEN. Alexandra Vlk*, Stuart Weston, and Matthew Frieman, Department of Microbiology and Immunology, University of Maryland School of Medicine, Baltimore, MD.

DEVELOPING MODEL SYSTEMS TO INVESTIGATE THE ROLE OF LRPI PATIENT MUTATIONS ON ABDOMINAL AORTIC ANEURYSMS. Saif Yasin* and Dudley Strickland, Center for Vascular and Inflammatory Diseases, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.