

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.

41st Annual Medical Student Research Day 2018 Award Recipients
(By Presentation Session)

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
a tie between
First Place: Christine Server, MS II and
Solomiya Tymbalyuk, 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
a tie between
Third Place: Lauren Pace, MS II and
Matthew Tinkham, MS II

Presentation Abstract Titles
(By Award Recipient)

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, ²Department 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, ²Division 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-ICTAL 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 LRP1 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.