

Memo

TO: University of Maryland School of Medicine

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

Qi Cao, J.D., Research Coordinator

Andrew Hickey, MS IV, President of Maryland Beta Chapter, Alpha Omega Alpha Medical Honor Society, University of Maryland School of Medicine,
MSRD Event Coordinator

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DATE: September 27, 2016

RE: **Medical Student Research Day 2016 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 39th Annual Medical Student Research Day (MSRD) held on September 14, 2016. 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, 69 presentations were held during seven presentation sessions. Out of the medical students who participated in MSRD, 18 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.

Medical Student Research Day 2016 Award Recipients

(By Presentation Session)

Oral Session I

First Place: Cynthia Xu, MS II
Second Place: Sikemi Ibikunle, MS II

Oral Session II

First Place: Oleg Makarevich, MS II
Second Place: Sergiu Costinas, MS II

Oral Session III

First Place: Thomas Battey, MS II
Second Place: Gianna Stoleru, MS II

Oral Session IV

First Place: Niaz Khan, MS II
Second Place: a tie between
James Tonascia, MS II and
Stephanie Golob, MS II

Poster Session I

First Place: a tie between
Breanne Bears, MS II and
Sharon Ong, MS II
Second Place: Jonathan Ciriello, MS II

Poster Session II

First Place: Leah Schecter, MS II
Second Place: Veronica Son, MS II
Third Place: Emily Bergbower, MS II

Poster Session III

First Place: a tie between
Hannah Khan, MS II
Gloribel Le, MS III
Third Place: Solomon Hayon, MS IV

Presentation Abstract Titles

(By Award Recipient)

MULTIDETECTOR CT PREDICTS THE NEED FOR EARLY DECOMPRESSIVE SURGERY IN TRAUMATIC ABDOMINAL COMPARTMENT SYNDROME. Thomas Battey*, William Chiu¹, Uttam Bodanapally², and David Dreizin², ¹Division of Trauma and Critical Care, Department of Surgery and ²Division of Trauma Radiology, Department of Diagnostic Radiology and Nuclear Medicine, University of Maryland School of Medicine, Baltimore, MD.

ASSOCIATION BETWEEN PRE-ECLAMPSIA AND CONGENITAL HEART DEFECTS. Breanne Bears*, Sarah Crimmins, 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.

OPTIMIZED GENE PROFILING METHODS PROVIDE INSIGHT INTO THE MECHANISM OF ORGAN REJECTION IN CYNOMOLGUS MONKEY CARDIAC ALLOGRAFT RECIPIENTS. Emily Bergbower*, Agnes Azimzadeh, and Richard Pierson, III, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

PHOSPHORYLATED SIRT1 AS A BIOMARKER OF RELAPSE AND RESPONSE TO TREATMENT WITH GLATIRAMER ACETATE IN MULTIPLE SCLEROSIS. Jonathan Ciriello*, Alexandru Tatomir, Dallas Boodhoo, and Horea Rus, Department of Neurology, University of Maryland School of Medicine, Baltimore, MD.

ROLE OF TRICELLULAR TIGHT JUNCTION PROTEIN IN NOISE-INDUCED HEARING LOSS IN MICE. Sergiu Costinas*, Saima Riazuddin, and Eldodie Richard, Department of Otorhinolaryngology - Head and Neck Surgery, University of Maryland School of Medicine, Baltimore, MD.

EFFECTS OF QUALITY OF DIAGNOSIS-PROGNOSIS CONVERSATION ON PERCEPTION OF HEALTHCARE PROVIDERS, SATISFACTION WITH CONVERSATION & HRQOL OUTCOMES IN TSCI. Stephanie Golob*, Deborah Stein, Dave Hampton, Frances Grissom, and Karen Irizarry, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

IMPACT OF TWITTER ON CITATION BASED METRICS IN UROLOGY. Solomon Hayon* and M. Minhaj Siddiqui, Division of Urology, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

CONCURRENT PP2A ACTIVATION AND FLT3 INHIBITION ENHANCE APOPTOSIS INDUCTION IN FLT3-ITD ACUTE MYELOID LEUKEMIA CELLS THROUGH DEGRADATION OF PIM1 KINASE. Sikemi Ibikunle*, Patrick Baldwin, and Danilo Perrotti, and Maria Baer, Division of Hematology and Oncology, Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

EFFECTS OF PRENATAL HYPOXIA ON MITOCHONDRIAL PROTEIN EXPRESSION OF GUINEA PIG OFFSPRING LIVERS. Hannah Khan*, Song Hong, and Loren Thompson, Department of Obstetrics, Gynecology and Reproductive Sciences, University of Maryland School of Medicine, Baltimore, MD.

ACTIVATED MICROGLIA RELEASE PRO-INFLAMMATORY MICRORNAs THROUGH EXTRACELLULAR VESICLES. Niaz Khan*, Alok Kumar, Gelarah Abulwerdi, Bogdan Stoica, and Alan Faden, Department of Anesthesiology, University of Maryland School of Medicine, Baltimore, MD.

A PHASE II STUDY EVALUATING THE EFFICACY AND TOXICITIES OF TREATMENT MODALITIES IN PATIENTS WITH HIGH RISK, NON-METASTATIC PROSTATE CANCER. Gloribel Le*, Young Kwok, and Stephanie Rice, Department of Radiation Oncology, University of Maryland School of Medicine, Baltimore, MD.

CRISPR-CAS9 EDITING OF THE BCL11A ERYTHROID-SPECIFIC ENHANCER REGION CAN AFFECT FETAL HEMOGLOBIN LEVELS. Oleg Makarevich*, Tami Kingsbury¹, and Curt Civin², ¹Department of Physiology and ²Department of Pediatrics, University of Maryland School of Medicine, Baltimore, MD.

EVALUATING PERI-ICTAL MOOD CHANGES IN PATIENTS WITH EPILEPSY. Sharon Ong*, Jennifer Hopp¹, Scott Thompson¹, Mark Kvata², and Erin Lanzo², ¹Department of Neurology, ²University of Maryland School of Medicine, Baltimore, MD.

ASSOCIATION BETWEEN RED BLOOD CELL TRANSFUSIONS AND SEVERITY OF RETINOPATHY OF PREMATURITY IN VERY LOW BIRTH WEIGHT INFANTS. Leah Schechter*, Faeq Al-Mudares¹, Janet Alexander², Alexandre Medina de Jesus¹, and Sripriya Sundararajan¹, ¹Division of Neonatology, Department of Pediatrics and ²Department of Ophthalmology and Visual Sciences, University of Maryland School of Medicine, Baltimore, MD.

THE EFFECT OF GESTATIONAL RUNNING WHEEL EXERCISE ON THE METABOLIC PHENOTYPE OF OFFSPRING EXPOSED TO MATERNAL HIGH FAT DIET. Veronica Son*, Seva Khambadkone¹, Miranda Johnson², Timothy Moran², and Kellie Tamashiro², ²Division of Behavioral Sciences, Department of Psychiatry, ¹Johns Hopkins University School of Medicine, Baltimore, MD.

ANTERIOR SEGMENT STRUCTURAL CHANGES IN NORMAL EYES FROM PRE-BIRTH TO AGE 25 YEARS. Gianna Stoleru* and Janet Alexander, Department of Ophthalmology and Visual Sciences, University of Maryland School of Medicine, Baltimore, MD.

INCREASING THE KIDNEY DONOR POOL BY EXPANDING LIMITS ON BODY MASS INDEX AND AGE. James Tonascia* and Soo Yi, Division of Transplant, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

GLYCOENGINEERING PROMOTES STEM CELL NEURONAL DIFFERENTIATION. Cynthia Xu*, Jian Du, and Xiaofeng Jia, Department of Neurosurgery, University of Maryland School of Medicine, Baltimore, MD.