UNIVERSITY of MARYLAND
SCHOOL OF MEDICINE

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Memo

TO: University of Maryland School of Medicine

FROM: George T. Fantry, M.D., Associate Professor of Medicine,
Assistant Dean for Student Education and Research,

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

Donald R. Matteson, Ph.D., Associate Professor of Physiology,
Director of Student Research Education and Dual Degree Programs,

Qi Cao, J.D., Program Coordinator,

Jean Marie Roth, Academic Coordinator, and

Andrew Newton, MS IV, Alpha Omega Alpha Medical Honor Society Member,
MSRD Student Coordinator

DATE: October 5, 2012

RE: **Medical Student Research Day 2012 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 35th Annual Medical Student Research Day (MSRD) held on September 27, 2012. 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 prizes are awarded in recognition of outstanding research and presentations. This year, 45 presentations were held during five presentation sessions. Out of the 47 medical students who participated in MSRD, 15 received First, Second, or Third Place awards in their respective presentation sessions.

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

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

Medical Student Research Day 2012 Award Recipients

(By Presentation Session)

Oral Session I

First Place: Joshua Brown, MS I & Kristi Chakrabarti, MS II
Third Place: Jeffrey Freiberg, MS II

Poster Session I

First Place: Willard Applefeld, MS II & Daniel Eichberg, MS II
Third Place: Michael Atlas, MS II

Oral Session II

First Place: Haley Simpson, MS II
Second Place: Melody Shi, MS II
Third Place: Duc Nguyen, MS II

Poster Session II

First Place: Natalie Held, MS II
Second Place: Adam Pampori, MS I
Third Place: Andrew Schuldenfrei, MS III

Oral Session III

First Place: Shaalini Ramanadhan, MS II
Second Place: Jordan Alger, MS II
Third Place: Alexander Tsai, MS II

Presentation Abstract Titles

(By Award Recipient)

GRB10 GENOTYPE AS A PREDICTOR OF GLUCAGON SECRETION AND RESPONSE TO DPP-4 INHIBITORS IN AMISH. Jordan Alger*, Alan Shuldiner and Kristi Silver, Division of Endocrinology, Diabetes and Nutrition, Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

THE EFFECT OF VOLUME COMPARING OLD VS. FRESH STORED TRANSFUSED BLOOD ON SURVIVAL IN A CANINE MODEL OF SEPSIS. Willard Applefeld* and Steven Solomon, Division of Pulmonary and Critical Care Medicine, Department of Critical Care Medicine, National Institutes of Health Clinical Center, Bethesda, MD.

CARDIOVASCULAR PROFILE IN RECIPIENT AND DONOR TWINS AND RELATIONSHIP WITH SURVIVAL FOLLOWING FETOSCOPIC LASER. Michael Atlas*, Ozhan Turan, Sifa Turan, Christopher Harman and Ahmet Baschat, Department of Obstetrics, Gynecology and Reproductive Sciences, University of Maryland School of Medicine, Baltimore, MD.

NMR STUDIES OF THE HIV-1 DIMER RNA KISSING AND DUPLEX DIMER FORMATIONS. Joshua Brown* and Michael Summers, Division of Infectious Diseases, Department of Biochemistry and Molecular Biology, University of Maryland Baltimore County, Baltimore, MD.

THE EFFECT OF METFORMIN ON MCTN FORMATION AND STABILIZATION IN BREAST CANCER CELLS. Kristi Chakrabarti* and Stuart Martin, Department of Physiology, University of Maryland School of Medicine, Baltimore, MD.

DISSECTING THE NEURAL CIRCUITRY OF ALZHEIMER'S DISEASE. Daniel Eichberg*, Trongha Phan, Jinsoo Seo and Li-Huei Tsai, Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology School of Picower Institute for Learning and Memory, Cambridge, MA.

GROUP A *STREPTOCOCCUS* BIOFILMS AND THEIR ROLE IN AN OSTEOMYELITIS MODEL. Jeffrey Freiberg* and Mark Shirtliff, Department of Microbial Pathogenesis, University of Maryland School of Dentistry, Baltimore, MD.

CARDIAC AND SKELETAL MUSCLE ADAPTATIONS TO VOLUNTARY EXERCISE IN PERILIPIN5-KO MICE. Natalie Held* and Carole Sztalryd, Division of Endocrinology, Diabetes and Nutrition, Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

INVESTIGATION OF LOW DOSE FRACTIONATED RADIATION THERAPY AS A CHEMOPOTENTIATOR IN ADVANCED GASTROINTESTINAL CARCINOMA. Duc Nguyen*, France Carrier and Navesh Sharma, Department of Radiation Oncology, University of Maryland School of Medicine, Baltimore, MD.

EXPOSURE OF THE THORAX TO A SUBLETHAL BLAST WAVE CAUSES PERIVASCULAR NEURO-INFLAMMATION WITH NO NEUROFUNCTIONAL DEFICITS. Adam Pampori*, Kaspar Keledjian, Cigdem Tosun, Gary Shwartzbauer, Svetlana Ivanova, Volodymyr Gerzanich and J. Marc Simard, Department of Neurosurgery, University of Maryland School of Medicine, Baltimore, MD.

ACCEPTABILITY OF SCREENING, BRIEF INTERVENTION, AND REFERRAL TO TREATMENT (SBIRT) IN AN ABORTION CLINIC SETTING. Shaalini Ramanadhan*, Mishka Terplan[1] and Christopher Welsh[2], [1]Department of Obstetrics, Gynecology and Reproductive Sciences and [2]Department of Psychiatry, University of Maryland School of Medicine, Baltimore, MD.

HMGA1 DRIVES INFLAMMATORY PATHWAYS, CELL CYCLE PROGRESSION, AND EMBRYONIC STEM CELL GENES DURING LEUKEMIC TRANSFORMATION. Andrew Schuldenfrei*, Amy Belton and Linda Resar, Division of Hematology and Oncology, Department of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD.

ALTERATIONS IN PLASMA MEMBRANE METABOLIC TRANSPORTERS FOLLOWING TRAUMATIC BRAIN INJURY IN IMMATURE RATS. Melody Shi* and Susanna Scafidi, Department of Pediatrics, University of Maryland School of Medicine, Baltimore, MD.

SNPS IN MAP2K3 AND PERIPHERAL T CELL LYMPHOMA. Haley Simpson* and Arnob Banerjee, Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

DRUG-DEPENDENT TRANSCRIPTIONAL REGULATION OF MICRORNA-34A. Alexander Tsai*, Xiaochun Chen and Curt Civin, Department of Pediatrics, University of Maryland School of Medicine, Baltimore, MD.