



UNIVERSITY of MARYLAND
SCHOOL OF MEDICINE

39th Annual
Medical Student Research Day

Hosted by
Office of Student Research, Dean's Office
Alpha Omega Alpha Honor Society

Wednesday, September 14, 2016
University of Maryland School of Medicine
Baltimore, MD 21201

Event Program

Office of Student Research

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

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.
Research Coordinator

Jean Marie Roth
Academic Coordinator

Alpha Omega Alpha Honor Society Members Event Staff

Virginia Drake, MS IV

Anna Dusenbery, MS IV

Christiana Gandy, MS IV
MSRD Event Coordinator

Andrew Hickey, MS IV
MSRD Event Coordinator

Ioan Lina, MS IV

Andrew Lutz, MS IV

Amanda Mahle, MS IV

Alexander Mamunes, MS IV

Leah Peditiem, MS IV

Dylan Peterson, MS IV

Rachel White, MS IV

Acknowledgements

We would like to express our gratitude to the Dean's Office for providing the financial support for Medical Student Research Day.

We would also like to express our appreciation for all the research programs, faculty mentors and other mentors who supported and guided the students in their research.

Our special thanks go to the faculty, resident, fellow, and AOA student member judges who so willingly provided their time and knowledge.

Dr. Lawrence Adler	Dr. Mao Fu	Dr. Steven Prior
Dr. Elizabeth Balcer-Kubiczek	Dr. Lynn Grattan	Dr. Mohammed Rahman
Dr. Jonathan Bromberg	Dr. Mangla Gulati	Dr. Geoffrey Rosenthal
Dr. Laura Buchanan	Dr. Nader Hanna	Dr. Lynn Schriml
Dr. Diana Carvajal	Dr. Caron Hong	Dr. Dinesh Shukla
Dr. Wan-Tsu Chang	Dr. Laundette Jones	Dr. Nanette Steinle
Dr. Joseph Cheer	Dr. Stephen Kavic	Dr. Sripriya Sundararajan
Dr. William Chiu	Dr. Niharika Khanna	Dr. Brad Taylor
Dr. Christopher Coleman	Dr. John LaMattina	Dr. Stephen Thom
Dr. Stephen Contag	Dr. Olga Latinovic	Dr. Franklin Toapanta
Dr. Natalie Davis	Dr. Matt Laurens	Dr. Mohan Tulapurkar
Dr. Stephen Davis	Dr. Yuxing Li	Dr. Sheelu Varghese
Dr. Zachary Dezman	Dr. Mary-Kay Lobo	Dr. Bruce Vogel
Dr. Vasken Dilsizian	Dr. Rich Lovering	Dr. Jian-Ying Wang
Dr. Michael Donnenberg	Dr. Andrei Maiseyeu	Dr. Gentry Wilkerson
Dr. Heather Ezelle	Dr. D. Elizabeth O'Hanlon	Dr. Jeff Winkles
Dr. Steven Feigenberg	Dr. Marzena Pazgier	Dr. Zhiyong Zhao
Dr. Steven Fisher	Dr. Brian Polster	

39th Annual Medical Student Research Day

Wednesday, September 14, 2016

Noon – 7:00 p.m.

University of Maryland School of Medicine

Baltimore, MD, 21201

7:00 a.m. – 12:20 p.m.	<i>Poster Setup (Poster Sessions I & II only)</i>
12:00 – 1:20 p.m.	Registration
Lunch & Keynote Address	12:00 – 1:30 p.m.
12:00 – 1:20 p.m.	Lunch – MSTF Atrium
12:20 – 12:40 p.m.	Opening Remarks Gregory B. Carey, Ph.D. Assistant Professor of Microbiology and Immunology Director of Student Summer Research and Community Outreach
	Special Address E. Albert Reece, M.D., Ph.D., M.B.A. Vice President for Medical Affairs, University of Maryland John Z. and Akiko K. Bowers Distinguished Professor Dean, University of Maryland School of Medicine
	Andrew Hickey, MS IV President, Maryland Beta Chapter Alpha Omega Alpha Honor Medical Society
12:40 – 1:10 p.m.	Keynote Address Niharika Khanna M.B.B.S., M.D., D.G.O. Associate Professor of Family and Community Medicine
1:10 – 1:20 p.m.	Schedule & Procedures Qi Cao, J.D. Research Coordinator
1:20 – 1:30 p.m.	<i>Break</i>
Oral Presentations	1:30 – 5:20 p.m.
1:30 – 3:20 p.m.	Oral Presentation Session I – Taylor Hall Oral Presentation Session II – Hosick Hall <i>(5-minute break at 2:30 p.m.)</i>
3:20 – 3:30 p.m.	<i>Break</i>
3:30 – 5:20 p.m.	Oral Presentation Session III – Taylor Hall Oral Presentation Session IV – Hosick Hall <i>(5-minute break at 4:30 p.m.)</i>
Poster Presentations	1:30 – 5:25 p.m.
1:30 – 2:30 p.m.	Poster Presentation Session I – Bressler First Floor
2:30 – 2:35 p.m.	<i>Break</i>
2:35 – 3:35 p.m.	Poster Presentation Session II – Bressler First Floor
3:35 – 3:45 p.m.	<i>Poster Takedown (Poster Sessions I & II only)</i>

3:45 – 4:15 p.m. *Poster Setup (Poster Sessions III only)*
4:15 – 5:15 p.m. Poster Presentation Session III – Bressler First Floor
5:15 – 5:25 p.m. *Poster Takedown (Poster Sessions III only)*

Awards Banquet

5:30 – 7:00 p.m.

5:30 – 7:00 p.m. Dinner – MSTF Atrium
6:00 – 6:40 p.m. Presentation of Awards & Certificates
Gregory B. Carey, Ph.D.
6:40 – 6:55 p.m. Closing Remarks

Presentation Schedule (Ordered by Session and Presentaiton ID)

Session	PID	Time	Location	Last Name	First Name	Class	Program
Oral I	O.01	1:30 PM	Taylor Lecture Hall	Guardia	Talia	2019	MSKCC
Oral I	O.02	1:45 PM	Taylor Lecture Hall	Donlan	Justin	2017	Independent
Oral I	O.03	2:00 PM	Taylor Lecture Hall	Casella	Alex	2019	MSTP
Oral I	O.04	2:15 PM	Taylor Lecture Hall	Ibikunle	Sikemi	2019	PRISM
Oral I	O.05	2:35 PM	Taylor Lecture Hall	Bertoni	Dylan	2019	UM Scholars UMB to UMCP
Oral I	O.06	2:50 PM	Taylor Lecture Hall	Shikara	Meryam	2019	Independent
Oral I	O.07	3:05 PM	Taylor Lecture Hall	Xu	Cynthia	2019	PRISM
Oral II	O.08	1:30 PM	Hosick Lecture Hall	Thompson	Cherries	2019	Brigham and Woman's Hospital
Oral II	O.09	1:45 PM	Hosick Lecture Hall	Grubner	Aaron	2019	SPORT
Oral II	O.10	2:00 PM	Hosick Lecture Hall	Oates	Connor	2018	Independent
Oral II	O.11	2:15 PM	Hosick Lecture Hall	Shah	Aakash	2017	Independent
Oral II	O.12	2:35 PM	Hosick Lecture Hall	Makarevich	Oleg	2019	MSTP
Oral II	O.13	2:50 PM	Hosick Lecture Hall	Costinas	Sergiu	2019	PRISM
Oral II	O.14	3:05 PM	Hosick Lecture Hall	Zhou	Albert	2018	Independent
Oral III	O.15	3:30 PM	Taylor Lecture Hall	Fischell	Jonathan	2019	Independent
Oral III	O.16	3:45 PM	Taylor Lecture Hall	Miller	Kaylie	2019	Independent
Oral III	O.17	4:00 PM	Taylor Lecture Hall	Essien	Eno-Obong	2017	Independent
Oral III	O.18	4:15 PM	Taylor Lecture Hall	Quan	Wei	2019	PRISM, AAN
Oral III	O.19	4:35 PM	Taylor Lecture Hall	Batthey	Thomas	2019	RSNA
Oral III	O.20	4:50 PM	Taylor Lecture Hall	Raithel	Maxwell	2019	PRISM
Oral III	O.21	5:05 PM	Taylor Lecture Hall	Stoleru	Gianna	2019	Independent
Oral IV	O.22	3:30 PM	Hosick Lecture Hall	Mehlhorn	Alison	2018	ACMG
Oral IV	O.23	3:45 PM	Hosick Lecture Hall	Golob	Stephanie	2019	PRISM
Oral IV	O.24	4:00 PM	Hosick Lecture Hall	So	Conan	2018	Hopital for Spec. Surgery
Oral IV	O.25	4:15 PM	Hosick Lecture Hall	Waldrop	Greer	2018	Independent
Oral IV	O.26	4:35 PM	Hosick Lecture Hall	Mavrothalassitis	Orestes	2018	AATS
Oral IV	O.27	4:50 PM	Hosick Lecture Hall	Tonascia	James	2019	PRISM
Oral IV	O.28	5:05 PM	Hosick Lecture Hall	Khan	Niaz	2019	Independent
Poster I	P.01	1:30 PM	Bressler 1st Floor	Cranston	Erica	2019	PRISM
Poster I	P.02	1:30 PM	Bressler 1st Floor	Rosenbaum	Taylor	2019	PRISM
Poster I	P.03	1:30 PM	Bressler 1st Floor	Na	Jonathan	2019	PRISM
Poster I	P.04	1:30 PM	Bressler 1st Floor	Voit	Antanina	2019	Independent
Poster I	P.05	1:30 PM	Bressler 1st Floor	Rosso	Lauren	2019	Union Memorial
Poster I	P.06	1:30 PM	Bressler 1st Floor	Cosgriff	Lauren	2019	PRISM
Poster I	P.07	1:30 PM	Bressler 1st Floor	Bears	Breanne	2019	PRISM
Poster I	P.08	1:30 PM	Bressler 1st Floor	Zaner	Stefanie	2019	PRISM
Poster I	P.09	1:30 PM	Bressler 1st Floor	Ong	Sharon	2019	Independent
Poster I	P.10	1:30 PM	Bressler 1st Floor	Manglorkar	Richa	2019	PRISM
Poster I	P.11	1:30 PM	Bressler 1st Floor	Maldarelli	Mary	2019	NIH
Poster I	P.12	1:30 PM	Bressler 1st Floor	Steele	Sonya	2019	FCMSC

Presentation Schedule (Ordered by Session and Presentaiton ID)

Session	PID	Time	Location	Last Name	First Name	Class	Program
Poster I	P.13	1:30 PM	Bressler 1st Floor	Chen	Mindy	2019	FCMSC
Poster I	P.14	1:30 PM	Bressler 1st Floor	Ciriello	Jonathan	2019	PRISM
Poster II	P.15	2:35 PM	Bressler 1st Floor	Bergbower	Emily	2019	AATS
Poster II	P.16	2:35 PM	Bressler 1st Floor	Ayyaswami	Varun	2019	Independent
Poster II	P.17	2:35 PM	Bressler 1st Floor	Siegel	Ariel	2019	Independent
Poster II	P.18	2:35 PM	Bressler 1st Floor	Nayak	Subhashree	2019	PRISM
Poster II	P.19	2:35 PM	Bressler 1st Floor	Son	Veronica	2019	NIDDK
Poster II	P.20	2:35 PM	Bressler 1st Floor	Routh	Shuvodra	2019	NIDDK
Poster II	P.21	2:35 PM	Bressler 1st Floor	Hughes	Meghan	2019	PRISM
Poster II	P.22	2:35 PM	Bressler 1st Floor	Grimsley	Emily	2019	Independent
Poster II	P.23	2:35 PM	Bressler 1st Floor	Schecter	Leah	2019	Independent
Poster II	P.24	2:35 PM	Bressler 1st Floor	Gray	Meghan	2019	Independent
Poster II	P.25	2:35 PM	Bressler 1st Floor	Margulies	Eric	2019	Independent
Poster II	P.26	2:35 PM	Bressler 1st Floor	Guo	Hengyi	2019	SPORT
Poster II	P.27	2:35 PM	Bressler 1st Floor	Sirbu	Laura	2019	Global Health
Poster II	P.28	2:35 PM	Bressler 1st Floor	Drennen	Chloe	2019	SPORT
Poster III	P.29	4:15 PM	Bressler 1st Floor	Coburn	Katherine	2019	MSTP
Poster III	P.30	4:15 PM	Bressler 1st Floor	Khan	Hannah	2019	Independent
Poster III	P.31	4:15 PM	Bressler 1st Floor	Le	Gloribel	2018	Rad Onc
Poster III	P.32	4:15 PM	Bressler 1st Floor	Eidelman	Eric	2019	PRISM
Poster III	P.33	4:15 PM	Bressler 1st Floor	Hayon	Solomon	2017	Independent
Poster III	P.34	4:15 PM	Bressler 1st Floor	Chanyasubkit	Soraya	2017	Independent
Poster III	P.35	4:15 PM	Bressler 1st Floor	Aneizi	Ali	2019	PRISM
Poster III	P.36	4:15 PM	Bressler 1st Floor	Ikheloa	Eseigboria	2019	Steuber Scholar
Poster III	P.37	4:15 PM	Bressler 1st Floor	Fard	Sara	2019	Independent
Poster III	P.38	4:15 PM	Bressler 1st Floor	Quaytman	Jacob	2019	SPORT
Poster III	P.39	4:15 PM	Bressler 1st Floor	Ge	Shealinna	2019	PRISM
Poster III	P.40	4:15 PM	Bressler 1st Floor	Dunning	Kathy	2018	Independent
Poster III	P.41	4:15 PM	Bressler 1st Floor	Maldarelli	Grace	2017	MSTP

Presentation Schedule (Ordered by Name)

Last Name	First Name	Class	Program	Session	PID	Time	Location
Aneizi	Ali	2019	PRISM	Poster III	P.35	4:15 PM	Bressler 1st Floor
Ayyaswami	Varun	2019	Independent	Poster II	P.16	2:35 PM	Bressler 1st Floor
Batthey	Thomas	2019	RSNA	Oral III	O.19	4:35 PM	Taylor Lecture Hall
Bears	Breanne	2019	PRISM	Poster I	P.07	1:30 PM	Bressler 1st Floor
Bergbower	Emily	2019	AATS	Poster II	P.15	2:35 PM	Bressler 1st Floor
Bertoni	Dylan	2019	UM Scholars UMB to UMCP	Oral I	O.05	2:35 PM	Taylor Lecture Hall
Casella	Alex	2019	MSTP	Oral I	O.03	2:00 PM	Taylor Lecture Hall
Chanyasubkit	Soraya	2017	Independent	Poster III	P.34	4:15 PM	Bressler 1st Floor
Chen	Mindy	2019	FCMSC	Poster I	P.13	1:30 PM	Bressler 1st Floor
Ciriello	Jonathan	2019	PRISM	Poster I	P.14	1:30 PM	Bressler 1st Floor
Coburn	Katherine	2019	MSTP	Poster III	P.29	4:15 PM	Bressler 1st Floor
Cosgriff	Lauren	2019	PRISM	Poster I	P.06	1:30 PM	Bressler 1st Floor
Costinas	Sergiu	2019	PRISM	Oral II	O.13	2:50 PM	Hosick Lecture Hall
Cranston	Erica	2019	PRISM	Poster I	P.01	1:30 PM	Bressler 1st Floor
Donlan	Justin	2017	Independent	Oral I	O.02	1:45 PM	Taylor Lecture Hall
Drennen	Chloe	2019	SPORT	Poster II	P.28	2:35 PM	Bressler 1st Floor
Dunning	Kathy	2018	Independent	Poster III	P.40	4:15 PM	Bressler 1st Floor
Eidelman	Eric	2019	PRISM	Poster III	P.32	4:15 PM	Bressler 1st Floor
Essien	Eno-Obong	2017	Independent	Oral III	O.17	4:00 PM	Taylor Lecture Hall
Fard	Sara	2019	Independent	Poster III	P.37	4:15 PM	Bressler 1st Floor
Fischell	Jonathan	2019	Independent	Oral III	O.15	3:30 PM	Taylor Lecture Hall
Ge	Shealina	2019	PRISM	Poster III	P.39	4:15 PM	Bressler 1st Floor
Golob	Stephanie	2019	PRISM	Oral IV	O.23	3:45 PM	Hosick Lecture Hall
Gray	Meghan	2019	Independent	Poster II	P.24	2:35 PM	Bressler 1st Floor
Grimsley	Emily	2019	Independent	Poster II	P.22	2:35 PM	Bressler 1st Floor
Grubner	Aaron	2019	SPORT	Oral II	O.09	1:45 PM	Hosick Lecture Hall
Guardia	Talia	2019	MSKCC	Oral I	O.01	1:30 PM	Taylor Lecture Hall
Guo	Hengyi	2019	SPORT	Poster II	P.26	2:35 PM	Bressler 1st Floor
Hayon	Solomon	2017	Independent	Poster III	P.33	4:15 PM	Bressler 1st Floor
Hughes	Meghan	2019	PRISM	Poster II	P.21	2:35 PM	Bressler 1st Floor
Ibikunle	Sikemi	2019	PRISM	Oral I	O.04	2:15 PM	Taylor Lecture Hall
Ikheloa	Eseigboria	2019	Steuber Scholar	Poster III	P.36	4:15 PM	Bressler 1st Floor
Khan	Hannah	2019	Independent	Poster III	P.30	4:15 PM	Bressler 1st Floor
Khan	Niaz	2019	Independent	Oral IV	O.28	5:05 PM	Hosick Lecture Hall
Le	Gloribel	2018	Rad Onc	Poster III	P.31	4:15 PM	Bressler 1st Floor
Makarevich	Oleg	2019	MSTP	Oral II	O.12	2:35 PM	Hosick Lecture Hall
Maldarelli	Grace	2017	MSTP	Poster III	P.41	4:15 PM	Bressler 1st Floor
Maldarelli	Mary	2019	NIH	Poster I	P.11	1:30 PM	Bressler 1st Floor
Manglorkar	Richa	2019	PRISM	Poster I	P.10	1:30 PM	Bressler 1st Floor
Margulies	Eric	2019	Independent	Poster II	P.25	2:35 PM	Bressler 1st Floor
Mavrothalassitis	Orestes	2018	AATS	Oral IV	O.26	4:35 PM	Hosick Lecture Hall
Mehlhorn	Alison	2018	ACMG	Oral IV	O.22	3:30 PM	Hosick Lecture Hall

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Last Name	First Name	Class	Program	Session	PID	Time	Location
Miller	Kaylie	2019	Independent	Oral III	O.16	3:45 PM	Taylor Lecture Hall
Na	Jonathan	2019	PRISM	Poster I	P.03	1:30 PM	Bressler 1st Floor
Nayak	Subhashree	2019	PRISM	Poster II	P.18	2:35 PM	Bressler 1st Floor
Oates	Connor	2018	Independent	Oral II	O.10	2:00 PM	Hosick Lecture Hall
Ong	Sharon	2019	Independent	Poster I	P.09	1:30 PM	Bressler 1st Floor
Quan	Wei	2019	PRISM, AAN	Oral III	O.18	4:15 PM	Taylor Lecture Hall
Quaytman	Jacob	2019	SPORT	Poster III	P.38	4:15 PM	Bressler 1st Floor
Raithel	Maxwell	2019	PRISM	Oral III	O.20	4:50 PM	Taylor Lecture Hall
Rosenbaum	Taylor	2019	PRISM	Poster I	P.02	1:30 PM	Bressler 1st Floor
Rosso	Lauren	2019	Union Memorial	Poster I	P.05	1:30 PM	Bressler 1st Floor
Routh	Shuvodra	2019	NIDDK	Poster II	P.20	2:35 PM	Bressler 1st Floor
Schecter	Leah	2019	Independent	Poster II	P.23	2:35 PM	Bressler 1st Floor
Shah	Aakash	2017	Independent	Oral II	O.11	2:15 PM	Hosick Lecture Hall
Shikara	Meryam	2019	Independent	Oral I	O.06	2:50 PM	Taylor Lecture Hall
Siegel	Ariel	2019	Independent	Poster II	P.17	2:35 PM	Bressler 1st Floor
Sirbu	Laura	2019	Global Health	Poster II	P.27	2:35 PM	Bressler 1st Floor
So	Conan	2018	Hopital for Spec. Surgery	Oral IV	O.24	4:00 PM	Hosick Lecture Hall
Son	Veronica	2019	NIDDK	Poster II	P.19	2:35 PM	Bressler 1st Floor
Steele	Sonya	2019	FCMSC	Poster I	P.12	1:30 PM	Bressler 1st Floor
Stoleru	Gianna	2019	Independent	Oral III	O.21	5:05 PM	Taylor Lecture Hall
Thompson	Cherries	2019	Brigham and Woman's Hospital	Oral II	O.08	1:30 PM	Hosick Lecture Hall
Tonascia	James	2019	PRISM	Oral IV	O.27	4:50 PM	Hosick Lecture Hall
Voit	Antanina	2019	Independent	Poster I	P.04	1:30 PM	Bressler 1st Floor
Waldrop	Greer	2018	Independent	Oral IV	O.25	4:15 PM	Hosick Lecture Hall
Xu	Cynthia	2019	PRISM	Oral I	O.07	3:05 PM	Taylor Lecture Hall
Zaner	Stefanie	2019	PRISM	Poster I	P.08	1:30 PM	Bressler 1st Floor
Zhou	Albert	2018	Independent	Oral II	O.14	3:05 PM	Hosick Lecture Hall

Oral Presentation Schedule

Oral presentations are 15 minutes each.
Presenters are indicated with “*” next to their names.

Oral Presentation Session I

1:30 – 3:20 p.m.
Taylor Lecture Hall

O.01 1:30 p.m.

INVESTIGATING THE ROLE OF BACE2 IN MELANOCYTES DEVELOPMENT USING CHEMICAL SCREENING. Talia Guardia*, Yan Zhang, Milena Zimmer, and Richard White, Memorial Sloan Kettering Cancer Center, New York, NY.

O.02 1:45 p.m.

HIDRADENOCARCINOMA. Justin Donlan* and Marcia Driscoll, Department of Dermatology, University of Maryland School of Medicine, Baltimore, MD.

O.03 2:00 p.m.

SEARCHING FOR BACTERIAL DNA INTEGRATION IN A MOUSE MODEL OF ETBF-INDUCED COLON CANCER. Alex Casella* and Julie Dunning Hotopp, Department of Microbiology and Immunology, University of Maryland School of Medicine, Baltimore, MD.

O.04 2:15 p.m.

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.

Break (2:30– 2:35 p.m.)

O.05 2:35 p.m.

DEVELOPMENT OF A 3D PRINTED BONE RESIN LOADED WITH GROWTH FACTOR LADEN MICROPARTICLES. Dylan Bertoni*, Jesse Placone, Max Lerman, Anjana Jeyaram, and John Fisher, Department of Bioengineering, UM College Park School of Engineering, College Park, MD.

O.06 2:50 p.m.

A NOVEL COMPUTER ALGORITHM FOR 3D PRINTING A PROSTHETIC NOSE: A PILOT STUDY. Meryam Shikara*, Christopher Rizzi, Brian Zelip, Jewel Greywoode, and Kalpesh Vakharia, Department of Otorhinolaryngology - Head and Neck Surgery, University of Maryland School of Medicine, Baltimore, MD.

O.07 3:05 p.m.

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

Oral Presentation Session II

1:30 – 3:20 p.m.

Hosick Lecture Hall

O.08 1:30 p.m.

CHANGES IN LYMPHATIC VASCULATURE IN THE DISEASED HEART. Cherriese Thompson* and Polina Goihberg, Department of Anesthesiology, Brigham and Women's Hospital, Boston, MA.

O.09 1:45 p.m.

EFFECTS OF GLP-1 INFUSION ON VASCULAR ENDOTHELIUM DURING HYPOGLYCEMIA. Aaron Grubner*, Nino Joy, Lisa Younk, Donna Tate, and Stephen Davis, Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

O.10 2:00 p.m.

FUNCTIONAL STATUS PREDICTS MAJOR COMPLICATIONS AND DEATH AFTER ENDOVASCULAR REPAIR OF ABDOMINAL AORTIC ANEURYSMS. Connor Oates*, Donald Harris, and Robert Crawford, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

O.11 2:15 p.m.

A COMPARISON OF ANTICOAGULATION STRATEGIES IN VENO-VEINUS EXTRACORPOREAL MEMBRANE OXYGENATION. Aakash Shah*, Ya Zhou, Francis Brigante, Chetan Pasrija, and Zachary Kon, Division of Cardiac Surgery, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

Break (2:30 – 2:35 p.m.)

O.12 2:35 p.m.

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.

O.13 2:50 p.m.

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.

O.14 3:05 p.m.

IDENTIFYING VARIANT SURFACE ANTIGEN (VSA) EPITOPES ASSOCIATED WITH MALARIA EXPOSURE VIA AN ULTRA-DENSE PEPTIDE MICROARRAY. Albert Zhou*, Department of Epidemiology and Public Health, University of Maryland School of Medicine, Baltimore, MD.

Break (3:20 – 3:30 p.m.)

Oral Presentation Session III

3:30 – 5:20 p.m.

Taylor Lecture Hall

O.15 3:30 p.m.

KETAMINE METABOLITE AND FAST ACTING ANTIDEPRESSANT 2R6R-HNK INDUCES A PRESYNAPTIC POTENTIATION OF SCHAFER COLLATERAL SYNAPSES OF THE HIPPOCAMPUS. Jonathan Fischell*, Panos Zanos¹, Todd Gould¹, and Scott Thompson², ¹Department of Psychiatry and ²Department of Physiology, University of Maryland School of Medicine, Baltimore, MD.

O.16 3:45 p.m.

DRIVING FORCES BEHIND OPIOID ABUSE IN THE ORTHOPEDIC TRAUMA POPULATION: A SCOPING REVIEW. Kaylie Miller*, Nathan O'Hara, and Gerard Slobogean, Division of Trauma, Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, MD.

O.17 4:00 p.m.

PHYSIOLOGIC FEATURES OF BRAIN DEATH. Eno-Obong Essien*, Kristina Fioretti¹, Thomas Scalea², and Deborah Stein², ¹Medical University of South Carolina School of Medicine, Charleston, SC and ²Division of Trauma Surgery, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

O.18 4:15 p.m.

EFFECTS OF AEROMEDICAL EVACUATION-RELEVANT HYPOBARIA ON BRAIN INJURY AND MORTALITY FOLLOWING HEAD TRAUMA COMBINED WITH HEMORRHAGIC SHOCK. Wei Quan*, Parisa Rangghran, Julie Proctor, Juliana Medina, and Gary Fiskum, Department of Anesthesiology, University of Maryland School of Medicine, Baltimore, MD.

Break (4:30 – 4:35 p.m.)

O.19 4:35 p.m.

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.

O.20 4:50 p.m.

CT MARKERS OF FRAILITY IN TRAUMA PATIENTS PREDICT INJURY SEVERITY. Maxwell Raithel*, Joseph Kufera¹, Kathirkamanthan Shanmuganathan², Deborah Stein³, and Margaret Lauer³, ¹ Shock, Trauma and Anesthesiology Research Organized Research Center, ²Department of Diagnostic Radiology and Nuclear Medicine, and ³Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

O.21 5:05 p.m.

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.

Oral Presentation Session IV

3:30 – 5:20 p.m.

Hosick Lecture Hall

O.22 3:30 p.m.

VALUE OF ANCILLARY TESTING AFTER INITIAL DIAGNOSIS OF MILD VENTRICULOMEGALY. Alison Mehlhorn* and Stephen Contag, Department of Obstetrics, Gynecology and Reproductive Sciences, University of Maryland School of Medicine, Baltimore, MD.

O.23 3:45 p.m.

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.

O.24 4:00 p.m.

HEALTH RELATED QUALITY OF LIFE AND UTILITY ACQUISITION FOR TRAUMATIC PATELLA DISLOCATION IN ADOLESCENTS. Conan So*, Benedict Nwachukwu, Huong Do, Daniel Green, and Emily Dodwell, Department of Orthopaedics, Hospital for Special Surgery School of Medicine, New York, NY.

O.25 4:15 p.m.

INCRETIN-BASED THERAPY IN TYPE 2 DIABETES: AN EVIDENCE BASED SYSTEMATIC REVIEW AND META-ANALYSIS. Greer Waldrop*, Jixin Zhong¹, Matthew Peters¹, Bhramar Mukherjee², and Sanjay Rajagopalan¹, ¹Department of Medicine, University of Maryland School of Medicine, Baltimore, MD and ²Department of Epidemiology and Public Health, University of Michigan School of Public Health, Ann Arbor, MI.

Break (4:30 – 4:35 p.m.)

O.26 4:35 p.m.

PERIOPERATIVE MANAGEMENT VARIATION AMONG NEONATES UNDERGOING ARTERIAL SWITCH OPERATION: A CALIFORNIA CONGENITAL CARDIAC CONSORTIUM PILOT STUDY. Orestes Mavrothalassitis* and Tara Karamlou, Division of Pediatric Cardiothoracic Surgery, Department of Surgery, University of California, San Francisco Benioff Children's Hospital School of Medicine, San Francisco, CA.

O.27 4:50 p.m.

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.

O.28 5:05 p.m.

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.

Poster Presentation Schedule

Presenters are indicated with “*” next to their names.

Poster Presentation Session I

1:30 – 2:30 p.m.

Bressler First Floor

P.01 1:30 p.m.

ANALYSIS OF GAIL MODEL FOR BREAST CANCER RISK ASSESSMENT WITH GP-88 BLOOD TESTING. Erica Cranston*, Nancy Tait¹, Ginette Serrero², David Hicks², and Katherine Tkaczuk³, ¹Breast Evaluation and Treatment Program, Marlene and Stewart Greenebaum Comprehensive Cancer Center and ³Department of Medicine, University of Maryland School of Medicine, Baltimore, MD and ²A&G Pharmaceutical, Inc., Columbia, MD.

P.02 1:30 p.m.

ROLE OF P38 MAPK IN THE PRO-APOPTOTIC ACTIVITY OF ARTEMISININS IN ACUTE LEUKEMIAS. Taylor Rosenbaum*, Curt Civin, Xiaochun Chen, and Blake Moses, Division of Physiology, Department of Pediatrics, University of Maryland School of Medicine, University of Maryland School of Medicine, , Baltimore, MD.

P.03 1:30 p.m.

THE ROLE OF SUR1-TRPM4 IN GLIOBLASTOMA MIGRATION. Jonathan Na*, Jesse Stokum, Volodymyr Gerzanich, and J. Marc Simard, Department of Neurosurgery, University of Maryland School of Medicine, Baltimore, MD.

P.04 1:30 p.m.

THE ROLE OF E3 LIGASE HECW2 IN CARDIAC STRUCTURAL REMODELING PRECEDING ATRIAL FIBRILLATION. Antanina Voit* and Gopal Babu, Department of Microbiology and Immunology, Rutgers New Jersey Medical School School of Medicine, , Newark, NJ.

P.05 1:30 p.m.

CHARACTERIZATION OF HYPOTHALAMIC-PITUITARY-ADRENAL (HPA) ABNORMALITIES IN PATIENTS WITH POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS). Lauren Rosso*, Mansur Shomali¹, and Ramesh Khurana², ¹Department of Medicine, University of Maryland School of Medicine and ²Department of Neurology, MedStar Union Memorial Hospital, Baltimore, MD.

P.06 1:30 p.m.

DEFINING A SAFE DURATION OF INPATIENT OBSERVATION FOR RESOLUTION OF BRADYCARDIC EVENTS IN PREMATURE NEONATES. Lauren Cosgriff* and Natalie Davis, Division of Neonatology, Department of Pediatrics, University of Maryland School of Medicine, Baltimore, MD.

P.07 1:30 p.m.

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.

P.08 1:30 p.m.

DENDRITIC SPINE DENSITY OF MEDIUM SPINY NEURONS IN THE NUCLEUS ACCUMBENS IN A MOUSE MODEL OF DEPRESSION. Stefanie Zaner*, Tara LeGates, and Scott Thompson, Department of Physiology, University of Maryland School of Medicine, Baltimore, MD.

P.09 1:30 p.m.

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.

P.10 1:30 p.m.

CHARACTERIZATION OF DEXAMETHASONE USE FOR DELAYED CEREBRAL EDEMA IN ACUTE PRIMARY INTRACEREBRAL HEMORRHAGE. Richa Manglorkar* and Wendy Wan-Tsu Chang, Department of Neurocritical Care, University of Maryland School of Medicine, Baltimore, MD.

P.11 1:30 p.m.

POSTERIOR PARIETAL-MOTOR CORTEX PLASTICITY IN WRITER'S CRAMP. Mary Maldarelli*, Sophie Cho, Pattamon Panyakaew, and Mark Hallett, National Institute of Neurological Disorders and Stroke, National Institutes of Health, Bethesda, MD.

P.12 1:30 p.m.

INVESTIGATING EARLY EVIDENCE OF MULTIPLE SCLEROSIS IN A PROSPECTIVE STUDY OF HIGH-RISK FAMILY MEMBERS. Sonya Steele*, Zongqi Xia¹, Anshika Bakshi², Philip De Jager¹, and Daniel S. Reich², ¹Program in Translational Neuropsychiatric Genomics and Partners Multiple Sclerosis Center, Ann Romney Center for Neurologic Diseases, Department of Neurology, Brigham and Women's Hospital, Boston, MA, and ²Division of Neuroimmunology and Neurovirology, National Institute of Neurological Diseases and Stroke, National Institutes of Health, Bethesda, MD.

P.13 1:30 p.m.

COMPARISON OF KINEMATIC AND CLINICAL MEASURES OF ARM MOVEMENT IN MULTIPLE SCLEROSIS AND OTHER NEUROLOGICAL DISORDERS. Mindy Chen*, Susan Conroy¹, Anindo Roy², Jeremy Rietschel³, and Christopher Bever², ¹Department of Physical Therapy and Rehabilitation Science and ²Department of Neurology, University of Maryland School of Medicine, Baltimore, MD and ³University of Maryland, College Park, College Park, MD.

P.14 1:30 p.m.

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.

Break (2:30 – 2:35 p.m.)

Poster Presentation Session II

2:35 – 3:35 p.m.

Bressler First Floor

P.15 2:35 p.m.

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.

P.16 2:35 p.m.

THE EFFECT OF *PEAR1* RS12041331 GENOTYPE ON CIRCULATING BIOMARKERS OF ENDOTHELIAL FUNCTION IN THE CONTEXT OF ASPIRIN THERAPY. Varun Ayyaswami*, Joshua Backman¹, Richard Horenstein¹, Keith Tanner¹, and Joshua Lewis², ²Division of Endocrinology, Diabetes, and Nutrition, ¹Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

P.17 2:35 p.m.

MANIPULATION OF HUMAN ERYTHROPOIESIS VIA RAB GTPASE 5. Ariel Siegel*, Min Jung Kim¹, and Curt Civin², Department of Pediatrics, University of Maryland School of Medicine, Baltimore, MD.

P.18 2:35 p.m.

TOLEROGENTIC POTENTIAL AND EFFICACY OF COSTIMULATORY PATHWAY BLOCKADE IN PRESERVING ADAPTIVE IMMUNITY FUNCTION. Subhashree Nayak*, Marquise Singleterry¹, Elizabeth Kang², Agnes Azimzadeh², and Richard Pierson, III², ¹University of Maryland, College Park, College Park, MD and ²Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

P.19 2:35 p.m.

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.

P.20 2:35 p.m.

PREDICTIVE MODEL FOR OVERT HYPOGLYCEMIA FOLLOWING BORDERLINE HYPOGLYCEMIA IN NON-CRITICAL INSULIN-TREATED HOSPITALIZED PATIENTS. Shuvodra Routh*, Susan Langan¹, Sherita Hill Golden², and Nestoras Mathioudakis², ¹Johns Hopkins Bloomberg School of Public Health and ²Division of Endocrinology and Metabolism, Johns Hopkins School of Medicine, Baltimore, MD.

P.21 2:35 p.m.

VARIATION AMONGST PEDIATRIC ORTHOPAEDIC SURGEONS WHEN TREATING MEDIAL EPICONDYLE FRACTURES. Meghan Hughes*, Karan Dua, Nathan O'Hara, Joshua Abzug, Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, MD.

P.22 2:35 p.m.

A PULSE CHECK ON TEAMWORK AND LEADERSHIP: A DESCRIPTION OF THE FIRST FIVE MINUTES OF RESUSCITATIVE CARE IN A PEDIATRIC EMERGENCY DEPARTMENT. Emily Grimsley*, Niall Cochrane, Ryan Keane, Brian Sumner, and Karen O'Connell, Department of Emergency Medicine, The George Washington University School of Medicine and Health Sciences, Washington, D.C.

P.23 2:35 p.m.

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, Baltimore, MD.

P.24 2:35 p.m.

PREDICTORS OF POST-NECROTIZING ENTEROCOLITIS STRICTURE FORMATION IN PRETERM NEONATES. Meghan Gray* and Natalie Davis, Division of Neonatology, Department of Pediatrics, University of Maryland School of Medicine, Baltimore, MD.

P.25 2:35 p.m.

THE ADEQUACY OF OUTSIDE EMERGENCY ROOM AND URGENT CARE CENTER RADIOGRAPHS WHEN PRESENTING TO A PEDIATRIC ORTHOPAEDIC OFFICE SETTING. Eric Margulies*, Karan Dua, Nathan O'Hara, and Joshua Abzug, Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, MD.

P.26 2:35 p.m.

EFFECT OF WELLNESS CHAMPIONS FOR CHANGE PILOT INTERVENTION ON THE DEVELOPMENT OF SCHOOL-LEVEL WELLNESS TEAMS. Hengyi Guo*, Megan Lopes¹, Yan Wang², Doris Yimgang², and Erin Hager², ¹Department of Epidemiology and Public Health, Maryland State Department of Education and ²Division of Growth and Nutrition, Department of Pediatrics, University of Maryland School of Medicine, Baltimore, MD.

P.27 2:35 p.m.

ASSESSING CLINICIAN COMPLIANCE WITH NATIONAL GUIDELINES FOR PEDIATRIC HIV CARE AND TREATMENT IN RWANDA. Laura Sirbu*, Sanchari Ghosh¹, and David Riedel², ¹University of Maryland School of Pharmacy and ²Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

P.28 2:35 p.m.

FOOD INSECURITY AND OBESITY IN CHILDREN < 4 YEARS: ASSOCIATIONS WITH WIC AND SNAP PARTICIPATION. Chloe Drennen* and Maureen Black, Division of Growth and Nutrition, Department of Pediatrics, University of Maryland School of Medicine, Baltimore, MD.

Poster Takedown for Poster I and Poster II (3:35 – 3:45 p.m.)

Poster Setup for Poster III (3:45 – 4:15 p.m.)

Poster Presentation Session III

4:15 – 5:15 p.m.

Bressler First Floor

P.29 4:15 p.m.

THE X-RAY CRYSTAL STRUCTURE OF HNRNP A18 RNA RECOGNITION MOTIF. Katherine Coburn*, Zephan Melville¹, Braden Roth¹, France Carrier², and David Weber¹, ¹Department of Biochemistry and Molecular Biology and ²Department of Radiation Oncology, University of Maryland School of Medicine, , Baltimore, MD.

P.30 4:15 p.m.

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

P.31 4:15 p.m.

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.

P.32 4:15 p.m.

INJURY SEVERITY SCORE ASSOCIATED WITH CONCURRENT BLADDER INJURY IN PATIENTS WITH BLUNT URETHRAL INJURY. Eric Eidelman*, Ian Stormont¹, Deborah Stein², and M. Minhaj Siddiqui², ¹Division of Urology, Department of Surgery and ²Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

P.33 4:15 p.m.

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.

P.34 4:15 p.m.

TB OR NOT TB IN THE ABDOMEN: A CASE REPORT OF PERITONEAL TUBERCULOSIS IN AN IMMUNOCOMPETENT PERSON WITH NO RISK FACTORS IN BALTIMORE CITY. Soraya Chanyasubkit*, Patricia Tellez-Watson, and John Warren, Division of Infectious Diseases, Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

P.35 4:15 p.m.

STATISTICAL COMPARISON AND MORTALITY TRENDS BETWEEN QSOFA AND SIRS AMONGST HAITIAN ICU PATIENTS. Ali Aneizi*, Rafaela Izurieta, Claire Staley, and Alfred Papali, Division of Pulmonary and Critical Care, Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

P.36 4:15 p.m.

THE EFFECTS OF CLOSED INCISION NEGATIVE PRESSURE WOUND THERAPY IN PANNICULECTOMY PATIENTS. Eseigboria Ikheloa*, Yvonne Rasko¹, Silviu Diaconu², Colton McNichols¹, ¹Division of Plastic Surgery, Department of Surgery, and ²Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

P.37 4:15 p.m.

THE EFFECT OF SOLID, SEMI-SOLID AND LIQUID DAIRY PRODUCTS ON SATIETY, FOOD INTAKE AND POST-MEAL GLYCEMIA IN NORMAL WEIGHT AND OVERWEIGHT SENIORS. Sara Fard*, Shirley Vien¹, Harvey Anderson², and Marron Law¹, ¹University of Toronto School of Nutritional sciences and ²Department of Medicine, University of Toronto School of Medicine, Toronto, Canada.

P.38 4:15 p.m.

FOOD HEDONIC RATINGS IN AN OBESE POPULATION AND ASSOCIATION WITH CHRONIC DISEASE AND WEIGHT LOSS. Jacob Quaytman* and Nanette Steinle, Division of Endocrinology, Diabetes, and Nutrition, Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

P.39 4:15 p.m.

EFFECTS OF WEIGHT LOSS AND AEROBIC EXERCISE TRAINING ON ADIPOSE TISSUE ZINC A2-GLYCOPROTEIN AND ASSOCIATED GENES IN OBESITY. Shealinn Ge*, Alice Ryan¹, and Shawna McMillin², ¹Division of Gerontology and Geriatric Medicine, ²Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

P.40 4:15 p.m.

POWER INJECTION THROUGH ULTRASOUND-GUIDED IVS: SAFETY AND EFFICACY UNDER AN INSTITUTIONAL POLICY. Kathy Dunning* and Michael Witting, Department of Emergency Medicine, University of Maryland School of Medicine, Baltimore, MD.

P.41 4:15 p.m.

PULMONARY ACTINOMYCOSIS: A CASE REPORT AND REVIEW OF THE LITERATURE. Grace Maldarelli* and Danielle Baek, Division of General Internal Medicine, Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

Poster Takedown for Poster III (5:15 – 5:25 p.m.)