

## 44<sup>th</sup> Annual Medical Student Research Day

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

Monday, November 15 and Tuesday, November 16, 2021 University of Maryland School of Medicine Baltimore, MD 21201 Two-Day Virtual Event Through Zoom

# **Event Program**

## **Office of Student Research**

Miriam K. Laufer, M.D., M.P.H. Professor of Pediatrics Associate Dean for Student Research and Education Director of the Office of Student Research

Gregory B. Carey, Ph.D. Associate Professor of Microbiology and Immunology Assistant Dean for Student Research and Education Executive Director of Student Research and Community Outreach

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

> Qi Cao, J.D. Research Coordinator

Fiama Romero Program Management Specialist

## Alpha Omega Alpha Honor Society Members and Additional Event Staff

Kristen Brao Event Coordinator	Jackline Joy Lasola	Nick Rolle
Lvent coordinator	Niaz Khan	Kenneth Rosenberg
Justin Kung Event Coordinator	Kevin Kim	Ryan Scalsky
Ryan Thompson Event Coordinator	Zachariah Lee	Dhruv Shah
	Mary Melati	Yazmeen Tembunde
Rachel Cermak Tony Cole	Nickole Moon	Alexandra Vlk
	Serban Negoita	Mashhood Wani
Brianna Dubose	Franklin Ning	Gideon Wolf
Emily Granger	Maria Novitskaya	Ashling Zhang
Natalie Hesselgrave	ivialla inovitskaya	
Casey Hofstaedter	John Quinlan	

## 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, research associate, resident, fellow, post-doctoral fellow and AOA student member judges who so willingly provided their time and knowledge.

Dr. Hossam Abdou Dr. Brittany Aicher Dr. Pavlos Anastasiadis Dr. Awadhesh K Arya Dr. Ola Awad Dr. Elizabeth Balcer-Kubiczek Dr. Aditi Baneriee Dr. Michael Billet Dr. Jonathan Bromberg Dr. Xuefang Cao Dr. Linda Chang Dr. Wan-Tsu Chang Dr. Svetlana Chapoval Dr. William Chiu Dr. Natalie Davis Dr. Vasken Dilsizian Dr. Motomi Enomoto-Iwamoto Dr. Katharina Richard Dr. Bob Ernst Dr. Margaret Ferris

Dr. Archana Gopalakrishnan Dr. Michael Ha Dr. Kim Hankey Dr. Janette Harro Dr. Bret Hassel Dr. Laundette Jones Dr. Sunita Khanal Dr. Robert Lavin Dr. Madeline Marks Dr. Jason Molitoris Dr. May Montasser Dr. Melissa Motta Dr. Warren Naselsky Dr. Esther Ndungo Dr. Yuko Ota Dr. Mohammed Rahman Dr. Vikas Saxena Dr. David Serre

Dr. Nirav Shah Dr. Kari Ann Shirey Dr. Marey Shriver Dr. Giovannino Silvestri Dr. Sarah Sunshine Dr. Hooman Tadbiri Dr. Flaubert Tchantchou Dr. Julia Terhune Dr. Richard Thompson Dr. Scott Thompson Dr. Mohan Tulapurkar Dr. Areck Ucuzian Dr. Victoria Verhoeve Dr. R. Gentry Wilkerson Dr. Huichun Xu Dr. Yuji Zhang Dr. Zhiyong Zhao Dr. Qun Zhou Dr. Lin Zou

If you would like more information on OSR activities and events, and on student research education and mentoring, please <u>click here</u>. We will follow up with you soon.

#### Plenary Speakers and Student Panelists Descriptions

#### **Keynote Speaker**

#### Ronna Hertzano, M.D., Ph.D.

#### Speaker's Journey Description

Debilitating hearing loss afflicts nearly half a billion people worldwide. To date, treatment of hearing loss is based on the severity of the loss, but not based on the cause. Furthermore, there are no FDA-approved therapeutics to prevent or treat noise-induced or age-related hearing loss. As a medical student, I wanted to be able to treat patients with hearing loss, but also obtain a better understanding of the underpinnings of this prevalent disorder. For this reason, I switched to the MSTP program after matriculating to the MD-only tract and continued down this path as a resident and faculty. Today, while caring for patients with otologic disease, I lead a research team based at HSF-III of the UMSOM campus. Our team takes a cell type-specific multi-omic approach to characterize molecular pathways in inner ear development and acquired hearing loss. The results of these studies are used to identify candidate targets to prevent or reverse hearing loss. Finally, to facilitate multi-omic data sharing, visualization and analysis, we developed the gEAR portal, the gene Expression Analysis Resource (umgear.org).

#### Short Bio

Dr. Hertzano earned her BSc at Tel Aviv University, Israel. She then earned both her MD and PhD degrees at the same institution. Always passionate about research, her MD honors research thesis studies focused on genetic mapping of hearing loss of gene expression in mice. Dr. Hertzano continued her investigation into molecular genetic mechanisms governing congenital and induced hearing loss in her PhD thesis research which titled: "Differential Cochlear Gene Expression".

Dr. Hertzano completed her residency in Otorhinolaryngology (ENT) at UM SOM and proceeded to earn a prestigious fellowship in Otology-Neurotology in the Department of Otorhinolaryngology-Head and Neck Surgery (ENT HNS). She has risen through the faculty ranks from 2011 to the present and is currently holds the rank of tenured professor with dual appointments in Departments of ENT HNS and Anatomy and Neurobiology at UM SOM. Dr. Hertzano has won more than two dozen prestigious awards and commendations in clinical and basic research fields. She is recognized as a teacher and mentor to medical students, residents and junior faculty and is a servant faculty citizen in the SOM. Her service and activities are too many to mention here. Her grant support includes two active R01 NIH grants as PI, several other grants as PI and, a number of where she collaborates as a Co-I. Moreover, she has several grants pending. She has authored and co-authored 58 original and peer-reviewed articles, a number of which are published in highly prestigious journals. She has contributed to 5 book chapters on hearing and is a highly sought-after speaker in her field. Numerous abstracts and epublications round out her portfolio. Dr. Hertzano owns a patent for inner-ear transcriptional mapping as related to acoustic trauma. The MSRD planning committee is honored to have Dr. Hertzano give the keynote address in the the 44th annual MSRD celebration.

#### **Student Plenary Speakers and Panelists**

### Justine Yu (Plenary Speaker, Day 1)

Justine Yu is an MD-PhD student and is part of the UM SOM MSTP (Medical Scientist Training Program). She completed the PhD portion of her program in 2021 in the Fischell Department of Engineering at UMCP. Justine's PhD research has investigated tissue engineering scaffolds for skin regeneration. Justine has returned to UM SOM to complete her 3rd and 4th year of medical studies. She has published a number of articles and has given a number of conference presentations on her research. Justine's research passion is facilitating high quality and rapid skin regeneration following injury or from disease.

#### Serban Negoita (Plenary Speaker, Day 1, Panelist, Day 2)

Serban Negoita is a fourth-year medical student at UM SOM who is currently engaged in a gap year of research in neuroscience with Dr. J. Marc Simard. Serban has authored an impressive number of original articles and conference abstracts. He has extensive research experience as a medical student and has won awards for his research including the FRCT Certificate for outstanding research achievement. Serban's research passions are neuroscience and neurosurgery.

## Rohan Singh (Plenary Speaker and Panelist, Day 2)

Rohan Singh is a third-year medical student at UM SOM. He is currently executing a research year off with Steven Feldman, MD-PhD, in the Dept. of Dermatology at Wake Forest School of Medicine. Rohan has authored several articles and conference abstracts and, he has presented his research in a number of conferences. Rohan's research passion is dermatology and alleviating patient discomfort caused by dermatitis.

#### Neha Amin (Plenary Speaker, Day 2)

Neha is a fourth-year medical student at UM SOM and a recent winner of the FRCT Certificate for Outstanding Research Achievement. She has published several articles as first author and co-author. She has several articles submitted and in review for publication. Neha has given a number of presentations in oral and poster formats on her research which has been recently focused in the field of ENT.

#### Christopher Le (Plenary Speaker and Panelist, Day 2)

Christopher Le (Chris) is a fourth-year medical student at UM SOM and recently won the FRCT Certificate for Outstanding Research Achievement. He has published an impressive number of articles as first and co-author and has a number submitted and in review. Chris has won national (extramural) and intramural awards to support his research as a medical student. Chris' research accomplishments are broad and his most numerous contributions are in the field of ophthalmology.

## Olivia Uddin (Plenary Speaker and Panelist, Day 2)

Olivia Uddin (Liv) is a third-year medical student with a targeted MD-PhD completion date of 2023. Liv has published an impressive number of articles in neuroscience as first and co-author. She is already in demand as a speaker, giving multiple oral and poster presentations on her work. Liv recently won the NIH's prestigious Outstanding Scholars in Neuroscience Award Program (OSNAP).

## MaryJoe Rice (Panelist, Day 2)

MaryJoe Rice is a fourth-year medical student at UM SOM, and she is also a winner of the FRCT Certificate for Outstanding Research Achievement. MaryJoe brought extensive research experience and accomplishments into medical school and since enrolling at UM SOM, she has published a number of additional articles as first and co-author. MaryJoe has presented her research in national and international conferences and has won a national fellowship for her research. Her research and clinical foci are cardiothoracic surgery.

We are proud of all our young scholars, and OSR is especially proud that a number of those scholars began their medical school research journeys with the OSR's PRISM Summer Research Program.

## University of Maryland School of Medicine Office of Student Research and Alpha Omega Alpha Honor Medical Society

## 44th Annual Medical Student Research Day

Monday, November 15, 2021, 1 – 5:35 p.m. and Tuesday, November 16, 2021, 1 – 4:30 p.m. 2-Day Virtual Event through Zoom

See MSRD 2021 Webpage for more information about the event and any updates

## **General Schedule**

Day 1: Monday, Novembe	er 15 Zoom Link (Day 1)	
Opening	1:00 – 1:50 p.m. (Main Room)	
1:00 – 1:15 p.m.	Opening Remarks <b>Gregory B. Carey, Ph.D.</b> Associate Professor of Microbiology and Immunology Assistant Dean for Student Research and Education Executive Director of Student Research and Community Outreach Director of PRISM and UM Scholars at SOM Programs Director of STAR-PREP Program	
	Miriam K. Laufer, M.D., M.P.H. Professor of Pediatrics Associate Dean for Student Research and Education Director of Office of Student Research Associate Director for Malaria Research Center for Vaccine Development and Global Health Associate	
	<b>AOA Student Representative</b> Maryland Beta Chapter Alpha Omega Alpha Honor Medical Society	
1:15 – 1:50 p.m.	Keynote Address Title: From Ear to gEAR - Building a Career as a Surgeon-Scientist at UMSOM Ronna Hertzano, M.D., Ph.D. Professor of Otorhinolaryngology - Head and Neck Surgery Professor of Anatomy and Neurobiology	

Student Plenary Session I	1:50 – 2:20 p.m. (Main Room)	
	Special Plenary Presentations by Outstanding Student Researchers	
1:50 – 2:05 p.m.	Title: A Nanocomposite Hydrogel for Stromal Cell-Derived Factor-1 Alpha Delivery and Modulation of Macrophage Phenotype for Skin Tissue Regeneration <b>Justine Yu, MS III</b>	
	MD-PhD Candidate (PhD 2021)	
2:05 – 2:20 p.m.	Title: The Neurons, the Glia and the Vasculature: My Journey through the Neurosciences	
	Serban Negoita, MS IV	
2:20 – 2:30 p.m.	Break	
Oral Presentations	2:30 – 5:35 p.m. (Breakout Rooms)	
	(See breakout room explanation at the end of the schedule)	
2:30 – 4:00 p.m. 4:00 – 4:05 p.m.	Oral Presentation Sessions I - IV Break	
4:05 – 5:35 p.m.	Oral Presentation Sessions V - VIII	
Day 2: Tuesday, Novemb	ber 16 Zoom Link (Day 2)	
Student Plenary Session II	1:00 – 2:00 p.m. (Main Room)	
	Special Plenary Presentations by Outstanding Student Researchers	
1:00 – 1:15 p.m.	Title: Severity of Hidradenitis Suppurativa is Inversely Correlated with Educational Attainment	
	Rohan Singh, MS III	
1:15 – 1:30 p.m.	Title: Dynamics of the Head and Neck Tumor Microenvironment and the Impact of Immunotherapy	
	Neha Amin, MS IV	
1:30 – 1:45 p.m.	Title: Cell – Vessel Mismatch in Glaucoma Christopher Le, MS IV	

1:45 – 2:00 p.m.	Title: Role of the Parabrachial Complex in Rodent Models of Pain Olivia Uddin, MS III	
	MD-PhD Candidate	
2:00 – 2:10 p.m.	Break	
Poster Presentations	2:10 – 3:15 p.m. (Breakout Rooms by Presentation ID)	
	(See breakout room explanation at the end of the schedule)	
2:10 – 2:40 p.m.	Poster Presentation Session I (P.02 - P.08)	
2:40 – 2:45 p.m.	Break	
2:45 – 3:15 p.m.	Poster Presentation Session II (P.09 - P.12, P.14 - P.16)	
3:15 – 3:25 p.m.	Break	
Special Student Research	3:25 – 3:55 p.m. (Main Room)	
Panel		
3:25 – 3:55 p.m.	Tips on Being a Productive Student Researcher	
	Serban Negoita, MS IV	
	Rohan Singh, MS III	
	Christopher Le, MS IV	
	Olivia Uddin, MS III	
	MaryJoe Rice, MS IV	
Awards	4:00 – 4:30 p.m.	
4:00 – 4:10 p.m.	Honoring Faculty Mentors: Mentor Recognition Awards Gregory B. Carey, Ph.D. Miriam K. Laufer, M.D., M.P.H.	
4:10 – 4:25 p.m.	Presentation of Student Awards <b>AOA Student Representative</b> Maryland Beta Chapter Alpha Omega Alpha Honor Medical Society	
4:25 – 4:30 p.m.	Closing Remarks Gregory B. Carey, Ph.D	

## **Zoom Information**

Zoom Link	Meeting ID (for call in only)	<b>For Call in:</b> Passcode (both days): 112021
<u>Day 1 (11/15)</u>	953 0881 9661	+1 301 715 8592 US (Washington DC)
Day 2 (11/16)	983 1731 2120	+1 929 205 6099 US (New York)

## **Explanation of Breakout Rooms**

Oral and poster presentation sessions will be held in breakout rooms within that day's Zoom session. Once you have joined the Zoom main room, you can choose a breakout room, change rooms, or rejoin the main room during the presentation sessions by following these instructions:

Click on "Breakout Rooms" in your meeting controls (typically at the bottom of Zoom window).
This will diplay the list of open breakout rooms available.

This will display the list of open breakout rooms available.

- 2. Hover your pointer over the number to the right of the breakout room you wish to join, click on "**Join**," then confirm by clicking on "**Join**." The breakout rooms will be labeled by the oral presentation session or the poster presentation ID.
- 3. You can repeat as necessary to join other breakout rooms.
- 4. Click on "Leave Room" to return to the main session.

**Note:** If you do not use the desktop or mobile app (version 5.3.0 or higher) of Zoom to join the event, you will not be able to self-select a breakout room. If this applies to you, ask the host or cohosts to help move you into your desired breakout room.

## **Oral Presentation Schedule**

Oral presentations are 15 minutes each. Presenters are indicated with "\*" next to their names.

#### Day 1, Monday, November 15

#### **Oral Presentation Session I**

2:30 – 4:00 p.m.

#### O.01 2:30 p.m.

UNICOMPARTMENTAL KNEE ARTHROPLASTY PATIENTS HAD LOWER JOINT AWARENESS AND HIGHER FUNCTION AT 5 YEARS COMPARED TO TOTAL KNEE REPLACEMENTS. <u>Zachary Brilliant\*, Steven Haas, Thomas Sculco, Seth Jerabek, David Mayman,</u> and Jason Blevins, Department of Orthopaedics, Hospital for Special Surgery, New York, NY.

#### O.02 2:45 p.m.

CHARACTERIZATION OF PAIN IN PATIENTS WITH UNSTABLE PELVIC FRACTURES TREATED WITH POSTERIOR SCREW FIXATION. <u>Darby Moore\*</u>, <u>Vincent Allen\*</u>, <u>Gerard</u> <u>Slobogean<sup>1</sup></u>, <u>Robert O'Toole<sup>1</sup></u>, <u>Nathan O'Hara<sup>2</sup></u>, <u>Danielle Sim<sup>3</sup></u>, and <u>Peter Campbell<sup>3</sup></u>, <sup>1</sup>Division of Orthopaedic Trauma and <sup>2</sup>Division of Research Administration, Department of Orthopaedics, <sup>3</sup>University of Maryland School of Medicine, Baltimore, MD.

#### O.03 3:00 p.m.

PATIENTS' UNDERSTANDING OF SLING NECESSITY IS PREDICTIVE OF SLING WEAR FOLLOWING SHOULDER SURGERY. Jacqueline Addona\*, Tristan Weir<sup>1</sup>, Ryan Curto<sup>2</sup>, <u>Michael Livesey<sup>3</sup>, and Mohit Gilotra<sup>4</sup></u>, <sup>1</sup>Department of Orthopaedics, University of Maryland, Baltimore, <sup>3</sup>Department of Orthopaedics, University of Maryland Medical Center, and <sup>4</sup>Department of Orthopaedics, <sup>2</sup>University of Maryland School of Medicine, Baltimore, MD.

#### O.04 3:15 p.m.

FACTORS AFFECTING DELTOID ELASTICITY MEASURED BY SHEAR WAVE ELASTOGRAPHY IN REVERSE SHOULDER ARTHROPLASTY PATIENTS. <u>Ryan Curto\*</u>, <u>Scott Koenig<sup>1</sup></u>, Jacqueline Addona<sup>2</sup>, Raziyeh Baghi<sup>3</sup>, and Mohit Gilotra<sup>1</sup>, <sup>1</sup>Department of Orthopaedics and <sup>3</sup>Department of Physical Therapy and Rehabilitation Science, <sup>2</sup>University of Maryland School of Medicine, Baltimore, MD.

#### O.05 3:30 p.m.

PROMIS DEPRESSION AND ANXIETY PREDICT WORSE POSTOPERATIVE FUNCTION IN ORTHOPAEDIC HAND AND WRIST SURGERY PATIENTS. <u>Luke Pitsenbarger\*, Samir</u> <u>Kaveeshwar<sup>1</sup>, Jason Lynch<sup>1</sup>, Ngozi M. Akabudike<sup>2</sup>, Raymond A. Pensy<sup>3</sup>, and R. Frank Henn III<sup>4</sup></u>, <sup>2</sup>Division of Hand Surgery, <sup>3</sup>Division of Trauma, and <sup>4</sup>Division of Sports Medicine, <sup>1</sup>Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, MD.

#### O.06 3:45 p.m.

UNDERSTANDING THE INSURANCE LANDSCAPE OF DUPUYTREN'S CONTRACTURE MANAGEMENT. <u>Nicholas Hricz\*, Michael Ha<sup>1</sup>, Kevin Zhu<sup>1</sup>, Ledibabari M. Ngaage<sup>2</sup>, and Yvonne Rasko<sup>1</sup>, <sup>1</sup>Division of Plastic Surgery, Department of Surgery, University of Maryland School of Medicine and <sup>2</sup>Division of Plastic & Reconstructive Surgery, Department of Surgery, Johns Hopkins Hospital, Baltimore, MD.</u>

#### **Oral Presentation Session II**

2:30 – 4:00 p.m.

#### O.07 2:30 p.m.

FUNCTIONAL VALIDATION OF *KPTN* - A NOVEL GENE IMPLICATED IN MACROCEPHALY, EPILEPSY, AND INTELLECTUAL DISABILITY. <u>Rebecca Flessner\*</u>, <u>Allan Barnes, Soad Elziny, Janice Babus, Philip Iffland II, and Peter Crino</u>, Maryland Epilepsy Center, Department of Neurology, University of Maryland School of Medicine, Baltimore, MD.

#### O.08 2:45 p.m.

THE ROLE OF FUNCTIONAL NETWORK FORMATION IN A STIMULATION MODEL OF CORTICAL EPILEPSY. <u>Ujwal Boddeti\*, Muzna Bachani, Jemima Owotade, Mitchell Moyer,</u> <u>Riccardo Serra, and Alexander Ksendzovsky</u>, Department of Neurosurgery, University of Maryland School of Medicine, Baltimore, MD.

#### O.09 3:00 p.m.

COMPARATIVE THERAPEUTIC EFFECTIVENESS OF ANTICOAGULATION AND CONSERVATIVE MANAGEMENT IN TRAUMATIC CEREBRAL VENOUS SINUS THROMBOSIS. <u>Kevin Kim\*, Aaron Wessell, Bizhan Aarabi, Timothy Chryssikos, and Gary Schwartzbauer</u>, Department of Neurosurgery, University of Maryland School of Medicine, Baltimore, MD.

#### O.10 3:15 p.m.

GRADE 1 INTERNAL CAROTID ARTERY BLUNT CEREBROVASCULAR INJURY PERSISTENCE AND WORSENING RISKS STROKE WITH CURRENT MANAGEMENT: AN EAST MULTICENTER STUDY. <u>Sarah Yang\*</u>, <u>Margaret Lauerman</u>, <u>and Emily Esposito</u>, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

#### O.11 3:30 p.m.

HYPOTHERMIA PLUS GLYBURIDE: A NOVEL SPINAL CORD INJURY THERAPY. <u>Bradley Wilhelmy\*, Nageen Sherani\*, Vladimir Gerzanich, and J. Marc Simard</u>, Department of Neurosurgery, University of Maryland School of Medicine, Baltimore, MD.

#### O.12 3:45 p.m.

ASSOCIATION OF PROPHYLACTIC PLATELET TRANSFUSION AND SEVERE INTRAVENTRICULAR HEMORRHAGE IN VERY LOW BIRTH WEIGHT INFANTS. <u>Katherine Raja\*, Brenda Hussey-Gardner<sup>1</sup>, Mathangi Gopalakrishnan<sup>2</sup>, and Sripriya Sundararajan<sup>1</sup></u>, <sup>1</sup>Division of Neonatology, Department of Pediatrics, University of Maryland School of Medicine and <sup>2</sup>Center for Translational Medicine, University of Maryland School of Pharmacy, Baltimore, MD.

#### **Oral Presentation Session III**

2:30 – 4:00 p.m.

#### O.13 2:30 p.m.

CANCER IN PATIENTS WITH AND WITHOUT HIV INFECTION IN THE NATIONAL CANCER REGISTRY OF RWANDA. <u>Asha Kodan\*, David Riedel<sup>1</sup>, Mark Hagenimana<sup>2</sup>, Nivya George<sup>1</sup>, Uwikindi Francois<sup>2</sup>, and Sabin Nsanzimana<sup>2</sup></u>, <sup>1</sup>Department of Institue of Human Virology, University of Maryland School of Medicine, Baltimore, MD, USA and <sup>2</sup>Rwanda Biomedical Centre, Kigali, Rwanda.

#### O.14 2:45 p.m.

QUALITY OF LIFE ON PHASE I TRIALS (QOL-P1T): A RETROSPECTIVE CHART REVIEW. <u>Mariela Trejo\*, Andrea Cuviello, and Holly Spraker-Perlman</u>, Division of Quality of Life and Palliative Care, Department of Oncology, St. Jude Children's Research Hospital, Memphis, TN.

#### O.15 3:00 p.m.

TREAT NOW OR TREAT LATER: COMPARATIVE EFFECTIVENESS OF ADJUVANT THERAPY IN RESECTED STAGE IIIA MELANOMA. <u>Emily Ma\*, Yinin Hu, and Julia Terhune</u>, Division of Surgical Oncology, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

#### O.16 3:15 p.m.

EVALUATING ADJUVANT CHEMOTHERAPY IN ESOPHAGEAL AND GASTROESOPHAGEAL JUNCTION CANCER BASED ON PATHOLOGICAL RESPONSE TO NEOADJUVANT CHEMORADIOTHERAPY. <u>Riyadh Ali\*</u>, <u>Melanie Berger<sup>1</sup></u>, <u>Cristina Decesaris<sup>1</sup>, Yixing Jiang<sup>2</sup>, and Jason Molitoris<sup>1</sup></u>, <sup>1</sup>Department of Radiation Oncology and <sup>2</sup>Division of Hematology and Oncology, Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

#### O.17 3:30 p.m.

ASSOCIATION OF ENTERAL FEEDING PATTERNS WITH INTESTINAL BARRIER FUNCTION IN PRETERM NEONATES. Lisa Roskes\*, Bing Ma<sup>1</sup>, Rose Viscardi<sup>2</sup>, Alexandre Medina<sup>3</sup>, and Sripriya Sundararajan<sup>2</sup>, <sup>1</sup>Department of Microbiology and Immunology and <sup>2</sup>Division of Neonatology, <sup>3</sup>Department of Pediatrics, University of Maryland School of Medicine, Baltimore, MD.

#### O.18 3:45 p.m.

CLINICAL CHARACTERISTICS ASSOCIATED WITH DEVELOPMENT OF NODULAR REGENERATIVE HYPERPLASIA FOLLOWING LIVER TRANSPLANTATION. <u>Soumya</u> <u>Mishra\*, Katherine Panagos<sup>1</sup>, Ameer Halim<sup>1</sup>, Ameer Abutaleb<sup>2</sup>, Saad Malik<sup>3</sup>, and Sasan Sakiani<sup>2</sup></u>, <sup>2</sup>Division of Gastroenterology and Hepatology, <sup>1</sup>Department of Medicine and <sup>3</sup>Division of Transplantation, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

#### **Oral Presentation Session IV**

2:30 – 4:00 p.m.

#### O.19 2:30 p.m.

ESTABLISHING GENE TARGETS OF RFX1/3 AS TARGETS FOR SENSORINEURAL HEARING LOSS TREATMENT. <u>Manaahil Rao\*, Kathleen Gwilliam, and Ronna Hertzano</u>, Department of Otorhinolaryngology - Head and Neck Surgery, University of Maryland School of Medicine, Baltimore, MD.

#### O.20 2:45 p.m.

PROTEOMIC STUDY OF STROKE IN YOUNG ADULTS. <u>William Zhu\*, Huichun Xu<sup>1</sup>, Brady</u> <u>Gaynor<sup>2</sup>, Braxton Mitchell<sup>2</sup>, and Steven Kittner<sup>3</sup></u>, <sup>1</sup>Department of Medicine, <sup>2</sup>Department of Epidemiology and Public Health, and <sup>3</sup>Department of Neurology, University of Maryland School of Medicine, Baltimore, MD.

#### O.21 3:00 p.m.

CCN2 KNOCKOUT DEMONSTRATES ENHANCED ACHILLES TENDON HEALING IN ADULT MICE. <u>Danielle Sim\*, Kathryn Grescovich<sup>1</sup>, Jocelyn Wu<sup>2</sup>, Natalie Leong<sup>1</sup>, and Jie Jiang<sup>1</sup></u>, <sup>1</sup>Department of Orthopaedics, <sup>2</sup>University of Maryland School of Medicine, Baltimore, MD.

#### O.22 3:15 p.m.

THE ROLE OF PD-1/PD-L1 RECEPTOR-LIGAND IN THE MIGRATION OF CD8 T CELLS TO PROMOTE IMMUNE TOLERANCE. <u>Emma Silverman\*</u>, Jonathan Bromberg, and Wenji <u>Piao</u>, Department of Microbiology and Immunology, University of Maryland School of Medicine, Baltimore, MD.

#### O.23 3:30 p.m.

INVESTIGATING RECONSTITUTED B LYMPHOCYTES FOLLOWING IMMUNOSUPPRESSION IN A PIG-TO-BABOON CARDIAC XENOTRANSPLANTATION MODEL. <u>Harsha Rao\*, Avneesh Singh, Alena Hershfeld, John Treffalls, Corbin Goerlich, and</u> <u>Muhammad Mohiuddin</u>, Division of Cardiac Surgery, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

#### O.24 3:45 p.m.

DIFFERENTIAL DENDRITIC CELL RECRUITMENT INDUCED BY THE GUT MICROBIOTA IN CARDIAC TRANSPLANTATION. <u>Zachariah L. Lee\*, Jegan Iyyathurai<sup>1</sup>, Ram</u> <u>Lakhan<sup>1</sup>, Samuel J. Gavzy<sup>2</sup>, Vikas Saxena<sup>1</sup>, and Jonathan S. Bromberg<sup>3</sup>, <sup>3</sup>Division of Transplantation,</u> <sup>2</sup>Department of Surgery, <sup>1</sup>University of Maryland School of Medicine, Baltimore, MD.

#### **Oral Presentation Session V**

4:05 – 5:35 p.m

#### O.25 4:05 p.m.

INFLAMMATORY CYTOKINES AND COGNITION FOLLOWING HIP FRACTURE. <u>Claire</u> <u>Morton\*, Ann Gruber-Baldini<sup>1</sup>, Andrew Goldberg<sup>2</sup>, Brock Beamer<sup>2</sup>, and Larry Magder<sup>1</sup></u>, <sup>1</sup>Department of Epidemiology and Public Health and <sup>2</sup>Division of Geriatrics, Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

#### O.26 4:20 p.m.

THE RELATIONSHIP OF INFLAMMATION WITH ANTIBODIES TO GLIADIN (AGA IGG) IN PERSONS WITH SCHIZOPHRENIA. <u>Emily Daniels\*</u>, <u>William Eaton<sup>1</sup></u>, <u>Daniela Cihakova<sup>2</sup></u>, <u>Chen Mo<sup>3</sup></u>, <u>Monica Vladut Talor<sup>2</sup>, and Deanna L. Kelly<sup>4</sup></u>, <sup>1</sup>Department of Mental Health, Johns Hopkins University School of Bloomberg School of Public Health, <sup>2</sup>Department of Pathology, Johns Hopkins University School of Medicine, and <sup>4</sup>Department of Psychiatry, <sup>3</sup>University of Maryland School of Medicine, Baltimore, MD.

#### O.27 4:35 p.m.

LENS THICKNESS IN CONGENITAL AND CHILDHOOD CATARACTS: A CASE CONTROL STUDY. <u>Sarah Byun\*, Alexandra Dolgetta<sup>1</sup>, Moran Levin<sup>2</sup>, and Janet Alexander<sup>2</sup></u>, <sup>2</sup>Division of Pediatrics, Department of Ophthalmology and Visual Sciences, <sup>1</sup>University of Maryland School of Medicine, Baltimore, MD.

#### O.28 4:50 p.m.

IMPACT OF CHRONIC SYSTEMIC STEROIDS ON INTRAOCULAR PRESSURE AND GLAUCOMA IN IBD PATIENTS. <u>Amrik Gill\*, Uni Wong<sup>1</sup>, Abigail Noyes<sup>1</sup>, and Ramya Swamy<sup>2</sup></u>, <sup>1</sup>Division of Gastroenterology and Hepatology, Department of Medicine and <sup>2</sup>Department of Ophthalmology and Visual Sciences, University of Maryland School of Medicine, Baltimore, MD.

#### O.29 5:05 p.m.

CHARACTERIZATION OF CATARACTS WITHIN TRISOMY 21 PATIENTS USING ULTRASOUND BIOMICROSCOPY. <u>Dhruv M. Shah\*, Zahur Fatima Sallman<sup>1</sup>, Moran R. Levin<sup>2</sup>, and Janet L. Alexander<sup>2</sup></u>, <sup>2</sup>Division of Pediatric Ophthalmology and Strabismus, <sup>1</sup>Department of Ophthalmology and Visual Sciences, University of Maryland School of Medicine, Baltimore, MD.

#### O.30 5:20 p.m.

NON-CONTACT LASER SPECKLE CONTRAST IMAGING IN PREMATURE INFANTS WITH RETINOPATHY OF PREMATURITY. <u>Tara Balasubramanian\*, Alfred Vinnett<sup>1</sup>, Noela Lu<sup>2</sup>, Kristin Williams<sup>3</sup>, Moran Levin<sup>2</sup>, and Janet Alexander<sup>4</sup>, <sup>3</sup>Department of Ophthalmology and Visual Sciences, University of Maryland, Baltimore and <sup>4</sup>Division of Pediatric Ophthalmology and Strabismus, <sup>1</sup>Department of Ophthalmology and Visual Sciences, <sup>1</sup>University of Maryland School of Medicine, Baltimore, MD.</u>

#### **Oral Presentation Session VI**

4:05 - 5:35 p.m

#### O.31 4:05 p.m.

IMPAIRED REORGANIZATION OF CENTROSOME STRUCTURE UNDERLIES INFANTILE DILATED CARDIOMYOPATHY. <u>Matthew Miyamoto\*</u>, Young Wook Chun, <u>Daniel Fong, Charles Williams, and Charles Hong</u>, Division of Cardiology, Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

#### O.32 4:20 p.m.

THE ASSOCIATION OF DIASTOLIC DYSFUNCTION AND POSTOPERATIVE MORBIDITY IN GERIATRIC PATIENTS WITH ORTHOPEDIC INJURIES. <u>Ananya Sarkar\*, Mira Ghneim<sup>1</sup></u>, <u>Ashley Menne<sup>1</sup></u>, and Justin Richards<sup>2</sup>, <sup>1</sup>Division of Surgical Critical Care, Department of Surgery and <sup>2</sup>Division of Trauma Anesthesiology, Department of Anesthesiology, University of Maryland School of Medicine, Baltimore, MD.

#### O.33 4:35 p.m.

THE IDEAL TRANSCUTANEOUS PACER PAD POSITION. <u>Priva Patel\*, Nick Brady<sup>1</sup>, and</u> <u>Siamak Moayedi<sup>2</sup></u>, <sup>2</sup>Division of Hyperbaric Medicine, Department of Emergency Medicine, <sup>1</sup>University of Maryland School of Medicine, Baltimore, MD.

#### O.34 4:50 p.m.

CONTRAST-ENHANCED DUPLEX ULTRASOUND ASSESSMENT OF EXERCISE-INDUCED MICROVASCULAR PERFUSION DEFICITS IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE. <u>Matthew Chrencik\*, Steven J. Prior<sup>1</sup>, Eric Christensen<sup>1</sup>, Rishi Kundi<sup>2</sup>, and</u> <u>Brajesh K. Lal<sup>2</sup></u>, <sup>1</sup>Division of Gerontology and Geriatric Medicine, Department of Medicine and <sup>2</sup>Division of Vascular Surgery, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

#### O.35 5:05 p.m.

EXPLORING THE ROLE OF EPICARDIAL FAT IN ATHEROSCLEROTIC AND INFLAMMATORY STATES. <u>Mark Sonbol\*, Nahom Seyoum\*, Ian Qian<sup>1</sup>, and Jean Jeudy<sup>2</sup></u>, <sup>2</sup>Department of Diagnostic Radiology and Nuclear Medicine, <sup>1</sup>University of Maryland School of Medicine, Baltimore, MD.

#### O.36 5:20 p.m.

ARE THE PHYSICOCHEMICAL METHOD AND SPECIFIC ELECTROLYTE ABNORMALITIES ASSOCIATED WITH MORTALITY AND MULTIPLE ORGAN FAILURE IN TRAUMA PATIENTS? <u>Nelson Chen\* and Justin Richards</u>, Division of Trauma Anesthesiology, Department of Anesthesiology, University of Maryland School of Medicine, Baltimore, MD.

#### **Oral Presentation Session VII**

4:05 – 5:35 p.m

#### O.37 4:05 p.m.

OPTIMIZING SAFETY AND EFFICACY OF INTENSE PULSED LIGHT THERAPY IN SKIN OF COLOR. <u>Elisabeth Fassas\* and Gibran Shaikh</u>, Department of Dermatology, University of Maryland School of Medicine, Baltimore, MD.

#### O.38 4:20 p.m.

PREOPERATIVE FACTORS ASSOCIATED WITH WORSE PROMIS PAIN INTERFERENCE TWO YEARS AFTER HAND SURGERY. <u>Yanni Kevas\*, Samir Kaveeshwar<sup>1</sup>, Luke Pitsenbarger<sup>1</sup>,</u> <u>Raymond Pensy<sup>2</sup>, Christopher Langhammer<sup>3</sup>, and Frank Henn III<sup>4</sup>, <sup>2</sup>Division of Hand surgery,</u> <sup>3</sup>Division of Orthopaedic surgery, and <sup>4</sup>Division of Sports medicine, <sup>1</sup>Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, MD.

#### O.39 4:35 p.m.

PREOPERATIVE EXPECTATIONS ARE NOT INDEPENDENTLY ASSOCIATED WITH TWO-YEAR PATIENT REPORTED OUTCOMES FOLLOWING HAND SURGERY. <u>Brandon</u> Leon\*, Samir Kaveeshwar<sup>1</sup>, Yanni Kevas<sup>1</sup>, Raymond Pensy<sup>2</sup>, and Christopher Langhammer<sup>3</sup>, Frank <u>Henn III<sup>4</sup></u>, <sup>2</sup>Division of Hand surgery, <sup>3</sup>Division of Orthopaedic surgery, and <sup>4</sup>Division of Sports medicine, <sup>1</sup>Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, MD.

#### O.40 4:50 p.m.

DEFINING COMPLETELY BETTER STATUS THROUGH PATIENT-REPORTED OUTCOMES AFTER ROTATOR CUFF REPAIR. <u>Seyedeh Zahra Mousavi\* and Samir</u> <u>Kaveeshwar</u>, Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, MD.

#### O.41 5:05 p.m.

PATIENTS VALUE THEIR OWN PAIN OVER BRAKING SAFETY WHEN DECIDING WHEN TO RETURN TO DRIVING: A DISCRETE CHOICE EXPERIMENT ON LOWER EXTREMITY INJURIES. <u>Nicholas Rolle\*, Genaro DeLeon<sup>1</sup>, Cynthia Shannon<sup>2</sup>, Gerard Slobogean<sup>2</sup>, Robert O'Toole<sup>2</sup>, and Nathan O'Hara<sup>2</sup>, <sup>1</sup>Division of Orthopaedic Trauma, Department of Orthopaedics, Indiana University School of Medicine, Indianapolis, IN, and <sup>2</sup>Division of Orthopaedic Trauma, Department of Orthopaedics, University of Maryland School of Medicine, Baltimore, MD.</u>

#### O.42 5:20 p.m.

PREOPERATIVE FACTORS THAT IMPACT SURVEY COMPLETION 2 YEARS AFTER ORTHOPAEDIC HAND SURGERY. <u>Matthew Moshyedi\*</u>, Brandon Leon<sup>1</sup>, Samir Kaveeshwar<sup>2</sup>, and Frank Henn III<sup>2</sup>, <sup>2</sup>Department of Orthopaedics, <sup>1</sup>University of Maryland School of Medicine, Baltimore, MD.

#### **Oral Presentation Session VIII**

4:05 – 5:35 p.m

#### O.43 4:05 p.m.

SURGICAL SITE INFECTIONS AMONG HYSTERECTOMIES: AN ASSESSMENT OF PERIOPERATIVE CEFAZOLIN AND METRONIDAZOLE VERSUS CEFAZOLIN ALONE. Jenna Kanner\*, TJ Klein<sup>1</sup>, and Gautam Rao<sup>2</sup>, <sup>1</sup>Department of Obstetrics, Gynecology and Reproductive Sciences, University of Michigan School of Medicine, Ann Arbor, MI, and <sup>2</sup>Division of Gynecologic Oncology, Department of Obstetrics, Gynecology and Reproductive Sciences, University of Medicine, Baltimore, MD.

#### O.44 4:20 p.m.

PAUSE FOR PUSHING: DOES IT CHANGE THE RATE OF POST-PARTUM HEMORRHAGE? Jennifer Strong\* and Sarah Crimmins, Department of Obstetrics, Gynecology and Reproductive Sciences, University of Maryland School of Medicine, Baltimore, MD.

#### O.45 4:35 p.m.

AN ANALYSIS OF PEYRONIE'S DISEASE INSURANCE COVERAGE. <u>Nicholas Hricz\*</u>, <u>Michael Ha<sup>1</sup></u>, Joshua Yoon<sup>2</sup>, Fan Liang<sup>2</sup>, Arthur Nam<sup>2</sup>, and Yvonne Rasko<sup>2</sup>, <sup>1</sup>Division of Plastic Surgery and <sup>2</sup>Division of Trauma Plastic Surgery, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD.

#### O.46 4:50 p.m.

CUMULATIVE SUM IN SURGICAL TRAINING FOR STUDENTS AND RESIDENTS: A SYSTEMATIC REVIEW. Justin Kim\*, Ace St John<sup>1</sup>, Emilie Ludeman<sup>2</sup>, and Yinin Hu<sup>3</sup>, <sup>1</sup>Department of Surgery and <sup>3</sup>Division of General and Oncologic Surgery, Department of Surgery, University of Maryland School of Medicine and <sup>2</sup>University of Maryland Health Sciences and Human Services Library, Baltimore, MD.

#### O.47 5:05 p.m.

EFFECT OF REMOTE MINDFULNESS-BASED ART WORKSHOPS (MBAW) ON STRESS, ANXIETY, AND DEPRESSION IN MEDICAL STUDENTS. <u>Chaoyang Wang\*, Isha Darbari\*,</u> <u>Mazen Tolaymat<sup>1</sup>, Sandra Quezada<sup>1</sup>, John Allen<sup>2</sup>, and Raymond Cross<sup>1</sup></u>, <sup>1</sup>Division of Gastroenterology and Hepatology, Department of Medicine, <sup>2</sup>University of Maryland School of Medicine, Baltimore, MD.

#### O.48 5:20 p.m.

PERCEIVED RISKS AND ACCEPTABILITY OF PSILOCYBIN IN BLACK/AFRICAN-AMERICAN OUD PATIENTS. John Clifton\*, Alan Davis<sup>1</sup>, Annabelle Belcher<sup>2</sup>, Christopher Welsh<sup>2</sup>, and Aaron Greenblatt<sup>2</sup>, <sup>1</sup>Ohio State University School of Social Work, Columbus, OH and <sup>2</sup>Division of Addiction Research and Treatment, Department of Psychiatry, University of Maryland School of Medicine, Baltimore, MD.

## **Poster Presentation Schedule**

Presenters are indicated with "\*" next to their names.

#### Day 2, Tuesday, November 16

Poster Presentation Session I 2:10 – 2:40 p.m.

#### **P.01** (Presenter withdrew from presenting)

#### P.02 2:10 p.m. <u>See Poster</u>

EVALUATING THE EFFICACY OF REMOTE VISUAL ACUITY TESTING IN THE PEDIATRIC POPULATION. <u>Rachel Steger\*, Elizabeth Fernandez-Paz\*, Victoria Chen<sup>1</sup>, Sue Junn<sup>1</sup>, Noela Lu<sup>1</sup>, Janet Alexander<sup>2</sup>, and Moran R. Levin<sup>2</sup>, <sup>2</sup>Division of Pediatric Ophthalmology and Strabismus, <sup>1</sup>Department of Ophthalmology and Visual Sciences, University of Maryland School of Medicine, Baltimore, MD.</u>

#### P.03 2:10 p.m. <u>See Poster</u>

MATERNAL MARIJUANA USE DURING PREGNANCY AND BREASTFEEDING: ASSESSING IN-HOSPITAL OUTCOMES OF EARLY PRETERM INFANTS. <u>Sarah-Therese</u> <u>Curtis\*, Megan Chang<sup>1</sup>, and Natalie Davis<sup>2</sup></u>, <sup>1</sup>Division of Neonatology, Department of Pediatrics, Keck School of Medicine of University of Southern California, Los Angeles, CA and <sup>2</sup>Department of Pediatrics, University of Maryland School of Medicine, Baltimore, MD.

#### P.04 2:10 p.m. <u>See Poster</u>

MATERNAL HISTORY OF ADVERSE CHILDHOOD EXPERIENCES (ACES) AND CANNABIS USE DURING PREGNANCY. <u>Carson Klasner\*</u>, Jessica Brown\*, Margaret Besse\*, and Katrina Mark, Department of Obstetrics, Gynecology and Reproductive Sciences, University of Maryland School of Medicine, Baltimore, MD.

#### P.05 2:10 p.m. <u>See Poster</u>

DIAGNOSTIC VALUE OF MUSCLE BIOPSY IN CONJUNCTION WITH NERVE BIOPSY IN EVALUATION OF CLINICAL PRESENTATIONS OF PERIPHERAL NEUROPATHY. <u>Sun</u> <u>Gyeong Choi\* and Cheng-Ying Ho</u>, Department of Pathology, University of Maryland School of Medicine, Baltimore, MD.

#### P.06 2:10 p.m. <u>See Poster</u>

THE RATES OF ANXIETY AND DEPRESSION AND CORRELATION TO SYMPTOM SEVERITY AMONG PATIENTS WITH PULSATILE AND NON-PULSATILE TINNITUS. <u>Allison Williams\*, Saikrishna Gourishetti<sup>1</sup>, Marissa Flaherty<sup>2</sup>, and David Eisenman<sup>3</sup></u>, <sup>2</sup>Department of Psychiatry and <sup>3</sup>Division of Otology and Neurotology, <sup>1</sup>Department of Otorhinolaryngology - Head and Neck Surgery, University of Maryland School of Medicine, Baltimore, MD.

#### P.07 2:10 p.m. <u>See Poster</u>

CAN A MEDICATION TRACKING SMARTPHONE APPLICATION IMPROVE MEDICATION ADHERENCE IN A PATIENT POPULATION AT HIGH RISK FOR 30-DAY HOSPITAL READMISSION? <u>Anna Apffel\*</u>, <u>Daniel Gingold<sup>1</sup></u>, and <u>Andrea Levine<sup>2</sup></u>, <sup>1</sup>Department of Emergency Medicine and <sup>2</sup>Division of Pulmonary and Critical Care, Department of Medicine, University of Maryland School of Medicine, Baltimore, MD.

#### P.08 2:10 p.m. <u>See Poster</u>

CORRELATION OF RACIAL FACTORS WITH PATTERNS OF CARE IN PATIENTS WITH GLIOMAS. Jessica Yau\*, Mark Mishra<sup>1</sup>, Bansi Savla<sup>1</sup>, Suneet Waghmarae<sup>2</sup>, Young Kwok<sup>1</sup>, and William Regine<sup>1</sup>, <sup>1</sup>Department of Radiation Oncology, <sup>2</sup>University of Maryland School of Medicine, Baltimore, MD.

#### Poster Presentation Session II

2:45 – 3:15 p.m.

#### P.09 2:45 p.m. <u>See Poster</u>

THE ROLE OF LEUKOTRIENE B4 ON NSAID INDUCED CORNEAL MELTS. <u>Elif Kolanci\*</u> <u>and Sarah Sunshine</u>, Department of Ophthalmology and Visual Sciences, University of Maryland School of Medicine, Baltimore, MD.

#### P.10 2:45 p.m. <u>See Poster</u>

EVALUATING THE EFFICACY OF TARGETED WRITTEN PATIENT EDUCATION MATERIALS IN THE IMPROVEMENT OF UNDERSTANDING AND OUTPATIENT FOLLOW-UP COMPLIANCE FOR RETINOPATHY OF PREMATURITY. <u>Elizabeth Fernandez</u> <u>Paz\*, Rachel Steger\*, Rachel Steger<sup>1</sup>, Courtney Pharr<sup>1</sup>, Victoria Chen<sup>2</sup>, Janet Alexander<sup>3</sup>, and Moran Levin<sup>3</sup>, <sup>3</sup>Division of Pediatrics, <sup>2</sup>Department of Ophthalmology and Visual Sciences, <sup>1</sup>University of Maryland School of Medicine, Baltimore, MD.</u>

#### P.11 2:45 p.m. <u>See Poster</u>

IDENTIFYING BARRIERS TO MOTHER'S MILK FEEDING IN EARLY PRETERM BLACK INFANTS IN AN URBAN NEONATAL INTENSIVE CARE UNIT. <u>Sarah-Therese</u> <u>Curtis\*, Megan Chang<sup>1</sup>, and Natalie Davis<sup>2</sup></u>, <sup>1</sup>Division of Neonatology, Department of Pediatrics, Keck School of Medicine of University of Southern California, Los Angeles, CA and <sup>2</sup>Division of Neonatology, Department of Pediatrics, University of Maryland School of Medicine, Baltimore, MD.

#### P.12 2:45 p.m. <u>See Poster</u>

COMPARISON OF GROUP PRENATAL CARE VERSUS STANDARD INDIVIDUAL PRENATAL CARE FOR PATIENTS WITH DIABETES IN PREGNANCY. <u>Hannah Palmer\*</u>, <u>and Sarah Crimmins</u>, Division of Maternal Fetal Medicine, Department of Obstetrics, Gynecology and Reproductive Sciences, University of Maryland School of Medicine, Baltimore, MD.

**P.13** (Presenter withdrew from presenting)

#### P.14 2:45 p.m. <u>See Poster</u>

OUTCOMES AND PATIENT SATISFACTION OF DELAYED DISTAL BICEPS REPAIRS WITHOUT GRAFT AUGMENTATION: A SYSTEMATIC REVIEW. <u>Serge Tzeuton\*, William Johns<sup>1</sup>, Surena Namdari<sup>2</sup>, Michael Ciccotti<sup>3</sup>, and Sommer Hammoud<sup>3</sup>, <sup>2</sup>Division of Shoulder and Elbow Surgery and <sup>3</sup>Division of Sports Medicine, <sup>1</sup>Department of Orthopaedics, Rothman Institute at Sidney Kimmel Medical College, Philadelphia, PA.</u>

#### P.15 2:45 p.m. <u>See Poster</u>

COVID-19 VACCINE HESITANCY IN EMERGENCY DEPARTMENT PATIENTS: AN ANALYSIS OF UNIVERSITY OF MARYLAND MEDICAL CENTER DATA FROM THE

REVVED-UP STUD. <u>Kurt Auville\*, Benjamin Coleman\*, Kyra Lasko, and Gentry Wilkerson</u>, Department of Emergency Medicine, University of Maryland School of Medicine, Baltimore, MD.

#### P.16 2:45 p.m. <u>See Poster</u>

ASSESSING APPROPRIATENESS OF RESPIRATORY CULTURES IN MULTIPLE ICU SETTINGS TO IDENTIFY OPPORTUNITIES FOR DIAGNOSTIC STEWARDSHIP. <u>Meghana Patel\*, Surbhi Leekha<sup>1</sup>, Blaine Kenaa<sup>2</sup>, Mary Maldarelli<sup>3</sup>, and Kimberly Claeys<sup>4</sup></u>, <sup>1</sup>Division of Infectious Disease, Department of Epidemiology and Public Health and <sup>2</sup>Division of Pulmonary Critical Care, <sup>3</sup>Department of Medicine, University of Maryland School of Medicine and <sup>4</sup>Department of Pharmacology, University of Maryland School of Pharmacy, Baltimore, MD.