



### ALL Sessions Times are Eastern Time (ET)

How to Find Your Local Time for a Session

If you are in the **Central** time zone, subtract 1 hour, e.g., 11:00 AM ET is 10:00 AM CT

If you are in the **Mountain** time zone, subtract 2 hours, e.g., 11:00 AM ET is 9:00 AM MT

If you are in the **Pacific** time zone, subtract 3 hours, e.g., 11:00 AM ET is 8:00 AM PT

*Special thanks to Dr. Melinda (Mindy) Engevik from the Medical University of South Carolina who granted the ASIP permission to use her fluorescent image to advertise and promote the PISA 2024 Young Investigators Virtual Meeting.*

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## Tuesday, November 5

### Welcome to the PISA 2024 Virtual Meeting

Satdarshan (Paul) Singh Monga, MD, ASIP President  
University of Pittsburgh

### SESSION 1 - Liver Pathobiology Young Investigator Short Talks

2:00 - 4:00 PM

Co-Chairs: Vik Meadows, PhD • Rutgers University  
JaNýa Brown • University of Maryland, Baltimore

- 2:00 - 2:15 PM  
**Abstract 1 - HNF1B Controls the Cell's Commitment to Hepatic Fate**  
Carla Martinez-Morant, Francesca Di-Furio, Stephen A. Duncan  
Department of Regenerative Medicine and Cell Biology, Medical University of South Carolina, Charleston, SC
- 2:15 - 2:30 PM  
**Abstract 2 - Role of Autophagy in Hepatic Proteome and its Post-translational Modification**  
Kamal Baral, Leah Spade, Arissa Mercer, Sadisha Shrestha S, Arya A Chandrasekhar, Gang Liu, Xiao-Ming Yin, and Bilon Khambu  
Department of Pathology and Laboratory Medicine, School of Medicine, Tulane University, New Orleans, LA
- 2:30 - 2:45 PM  
**Abstract 3 - Role of DEK in Liver Fibrosis**  
Arya Chandrasheker<sup>1,2</sup>, Niani Bailey<sup>1</sup>, Nickol Wahby<sup>1</sup>, Kamal Baral<sup>1</sup>, Leah Spade<sup>1</sup>, Arissa Mercer<sup>1</sup>, and Bilon Khambu<sup>1</sup>  
<sup>1</sup>Tulane School of Science and Engineering, Tulane University, New Orleans, LA; <sup>2</sup>Department of Pathology and Laboratory Medicine, Tulane University School of Medicine, New Orleans, LA
- 2:45 - 3:00 PM  
**Abstract 4 - Neutrophil Infiltration via STING Signaling Promotes Inflammation in Primary Sclerosing Cholangitis**  
Abid Anwar<sup>1,2</sup>, Maleeha Kalaiger<sup>1,2</sup>, Sofia Jerez Ortega<sup>1,2</sup>, Jordan Young<sup>1,2</sup>, Usman Yaqoob<sup>1,2</sup>, Kaitlin Friesland<sup>1,2</sup>, Robert C. Huebert<sup>1,2,3</sup>, Nidhi Jalan-Sakrikar<sup>1,2,3</sup>  
<sup>1</sup>Division of Gastroenterology and Hepatology, <sup>2</sup>Gastroenterology Research Unit, <sup>3</sup>Center for Cell Signaling in Gastroenterology; Mayo Clinic, Rochester, MN

- 3:00 - 3:15 PM  
**Abstract 5 - Targeting CRM1-HMGB1 Nuclear Translocation in Type 2 Diabetes-Driven Metabolic Dysfunction Associated Steatotic Liver Disease**  
 Prabu Paramasivam<sup>1,2</sup>, Brittany Coffman<sup>3</sup>, Jaya Rajaiya<sup>4</sup>, Satdarshan Paul Monga<sup>5</sup>, Roberto Ivan Mota Alvidrez<sup>1,2,6,7,8</sup>  
<sup>1</sup>Pharmaceutical Sciences, College of Pharmacy, University of New Mexico, Albuquerque, NM; <sup>2</sup>Clinical and Translational Sciences Center, University of New Mexico, Albuquerque, NM; <sup>3</sup>Raymond G. Murphy New Mexico Veterans Affairs Medical Center, Albuquerque, NM; <sup>4</sup>Department of Molecular Genetics and Microbiology, University of New Mexico School of Medicine, Albuquerque, NM; <sup>5</sup>Department of Pathology, University of Pittsburgh School of Medicine and Pittsburgh Liver Research Center, University of Pittsburgh and University of Pittsburgh Medical Center, Pittsburgh, PA; <sup>6</sup>Biomedical Engineering Department, University of New Mexico, Albuquerque, NM; <sup>7</sup>Cardiovascular and Metabolic Diseases (CVMD) Signature Program, University of New Mexico, Albuquerque, NM; <sup>8</sup>Autophagy, Inflammation, Metabolism CoBRE, University of New Mexico, Albuquerque, NM
- 3:15 - 3:30 PM  
**Abstract 6 - Hepatocyte-Specific MET Deletion Exacerbates Liver Damage and Impairs Regenerative Response in Acetaminophen-Induced Hepatotoxicity Model**  
 Siddhi Jain, Ranjan Mukherjee, Gillian Williams, George K. Michalopoulos, Wendy M. Mars, and Bharat Bhushan  
 Department of Pathology, School of Medicine, Pittsburgh Liver Research Center, University of Pittsburgh, Pittsburgh, PA
- 3:30 - 3:45 PM  
**Abstract 7 - Targeting EGFR as a Novel Strategy for Treating Acetaminophen Hepatotoxicity**  
 Gillian Williams, Siddhi Jain, Ranjan Mukherjee, and Bharat Bhushan  
 Department of Pathology and Pittsburgh Liver Research Center, University of Pittsburgh School of Medicine, Pittsburgh, PA
- 3:45 - 4:00 PM  
**Abstract 8 - Effects of Hepatocyte-Specific EGFR and ERBB3 Deletion in Murine Fast-Food Diet Model of MASLD**  
 Shehnaz Bano, Matthew A. Copeland, John W. Stoops, Anne Orr, Joseph Locker, Wendy M. Mars, George K. Michalopoulos, and Bharat Bhushan  
 Department of Pathology and Pittsburgh Liver Research Center, School of Medicine, University of Pittsburgh, Pittsburgh, PA

## SESSION 2 - Wisdom From The Pros: Navigating Different Career Paths in Biomedical Science

4:00 - 5:00 PM

Moderator: Priscilla Kyi, MS, BS • Medical College of Wisconsin

**Session Description:** This session will introduce trainees to alternative career options in biomedical medicine. The panel members will discuss how trainees can navigate career paths outside academia. The panelists will also answer questions on the benefits and challenges of pursuing these careers.

- 4:00 - 4:20 PM  
**Patent Agent**  
 Peter Volberding, PhD • Quarles & Brady, LLC
- 4:20 - 4:40 PM  
**Medical Writer**  
 Chris Goetz, PhD • Medtronic
- 4:40 - 5:00 PM  
 Questions & Answers

## SESSION 3 - Cardiovascular and Pulmonary Disease Young Investigator Short Talks

5:00 - 6:00 PM

Chair: Taylor Ticer, PhD • Dartmouth Hitchcock Medical Center

- 5:00 - 5:15 PM  
**Abstract 9 - Endothelial Senescence Mediates Hypoxia-induced Vascular Remodeling in the Lung**  
 Priscilla Kyi<sup>1,2</sup>, Mrudula Joshi<sup>1,2</sup>, Mikaela Scheer<sup>1</sup>, Tadanori Mammoto<sup>1,3</sup>, and Akiko Mammoto<sup>1,2</sup>

<sup>1</sup>Department of Pediatrics, <sup>2</sup>Department of Cell Biology, Neurobiology and Anatomy, and <sup>3</sup>Department of Pharmacology and Toxicology, Medical College of Wisconsin, Milwaukee, WI

- 5:15 - 5:30 PM

**Abstract 10 - Sex-Dependent Differences in Lung Vascular Regeneration**

Mrudula Joshi<sup>1,2</sup>, Priscilla Kyi<sup>1,2</sup>, Mikaela Scheer<sup>1</sup>, Tadanori Mammoto<sup>1,3</sup>, and Akiko Mammoto<sup>1,2</sup>

<sup>1</sup>Department of Pediatrics, <sup>2</sup>Department of Cell Biology, Neurobiology and Anatomy, and <sup>3</sup>Department of Pharmacology and Toxicology, Medical College of Wisconsin, Milwaukee, WI

- 5:30 - 5:45 PM

**Abstract 11 - Endothelial Cell STING Contributes to Capillary Rarefaction and Systolic Dysfunction Induced by Cardiac Pressure Overload**

Erin Sanders<sup>1</sup>, Noah Wagner<sup>1</sup>, Abraham L. Bayer<sup>1</sup>, Sasha Smolgovsky<sup>1</sup>, Brandon Theall<sup>1</sup>, Mark Aronovitz<sup>1</sup>, Robert Blanton<sup>2</sup>, Kuljeet Kaur<sup>1</sup>, and Pilar Alcaide<sup>1</sup>

<sup>1</sup>Department of Immunology, Tufts Graduate School of Biomedical Sciences, Boston, MA; <sup>2</sup>Molecular Cardiology Research Institute, Tufts Medical Center, Boston, MA

- 5:45 - 6:00 PM

**Abstract 12 - Differential Contributions of Cell Specific STING to the T-Cell Immune Response in Doxorubicin Cardiotoxicity**

Abraham L. Bayer, Erin Sanders, Noah Wagner, Sasha Smolgovsky, and Pilar Alcaide

Department of Immunology, Tufts University, Boston MA

6:00 PM

Meeting Adjournment

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## Wednesday, November 6

### SESSION 4 - More than a Scientist: Maintaining Life Outside of Lab

2:00 - 3:00 PM

Moderator: Sarah Dooley, BS • Medical University of South Carolina

**Session Description:** This session will center on maintaining relationships and activities outside academic and research responsibilities. The panel members will talk about their challenges, how they define work-life balance, and their advice on overcoming difficulties.

- 2:00 - 2:15 PM

**Pre-Doctoral Trainee**

Allison Troutman • Medical University of South Carolina

- 2:15 - 2:30 PM

**Post-Doctoral Fellow**

Cortney Gensemer, PhD • Medical University of South Carolina

- 2:30 - 2:45 PM

**Tenured Faculty**

Mark Frey, PhD • Children's Hospital of Los Angeles

- 2:45 - 3:00 PM

Questions & Answers

## SESSION 5 - Inflammation and Ophthalmology Young Investigator Short Talks

3:00 - 4:30 PM

Co-Chairs: Abraham Bayer, BS • Tufts University

Sarah Dooley, BS • Medical University of South Carolina

- 3:00 - 3:15 PM

**Abstract 13 - Exploring the Effects of Epigallocatechin-3-Gallate on the Disaggregation of Serum Amyloid A1 Fibrils**

Natalie G. Horgan<sup>1</sup>, Anabela Djurovic-topalovic<sup>1</sup>, Hannah IR Charles<sup>1</sup>, Natsumi Kobayashi<sup>2</sup>, Tomoaki Murakami<sup>2</sup>, Jessica S. Fortin<sup>1</sup>

<sup>1</sup>Basic Medical Sciences, College of Veterinary Medicine, Purdue University, West Lafayette IN; <sup>2</sup>Laboratory of Veterinary Toxicology, Tokyo University of Agriculture and Technology, Fuchu, Tokyo, Japan

- 3:15 - 3:30 PM

**Abstract 14 - Persisting Neuroinflammation After 18-weeks in SARS-CoV-2 Infected African Green Monkeys**

Meredith Mayer<sup>1</sup>, Linh Hellmers<sup>1</sup>, Anne Le<sup>2</sup>, Jason Dufour<sup>3,4</sup>, Lara Doyle-Meyers<sup>3,4</sup>, Jay Rappaport<sup>1,5</sup>, Kasi Russel-Lodigues<sup>3,4</sup>, and Tracy Fischer<sup>1,5</sup>

<sup>1</sup>Tulane National Primate Research Center, Division of Comparative Pathology, Covington, LA; <sup>2</sup>Gigantest, Baltimore, MD; <sup>3</sup>Tulane Nation Primate Research Center, Division of Veterinary Medicine, Covington, LA; <sup>4</sup>Tulane University School of Medicine, Department of Medicine, New Orleans, LA; <sup>5</sup>Tulane University School of Medicine, Department of Immunology and Microbiology, New Orleans, LA

- 3:30 - 3:45 PM

**Abstract 15 - High-Intensity Interval Training Decreases Circulating HMGB1 in Individuals with Insulin Resistance; Plasma Lipidomics Identifies Associated Cardiometabolic Benefits**

Gabriela Martinez Bravo<sup>1,2,3†</sup>, Prabu Paramasivam<sup>1,3†</sup>, Gabriella F. Bellissimo<sup>4</sup>, Quiteria Jacquez<sup>1,3</sup>, Huayu Zheng<sup>1</sup>, Fabiano Amorim<sup>4</sup>, and Roberto Ivan Mota Alvidrez<sup>1,2,3,5,6</sup>

<sup>1</sup>Pharmaceutical Sciences, College of Pharmacy, University of New Mexico, Albuquerque, NM; <sup>2</sup>Biomedical Engineering Department, University of New Mexico, Albuquerque, NM; <sup>3</sup>Clinical and Translational Sciences Center, University of New Mexico, Albuquerque, NM; <sup>4</sup>Health, Exercise and Sports Sciences, University of New Mexico, Albuquerque, NM; <sup>5</sup>Cardiovascular and Metabolic Diseases (CVMD) Signature Program, University of New Mexico, Albuquerque, NM; <sup>6</sup>Autophagy, Inflammation, Metabolism CoBRE, University of New Mexico, Albuquerque, NM  
†Authors served as co-first authors

- 3:45 - 4:00 PM

**Abstract 16 - Epigenetic Changes and Photoreceptor Neuroprotection in a Mouse Retinitis Pigmentosa Model**

Lu Huang<sup>1,2</sup>, Lydia Tai Wai<sup>2</sup>, Kin-Sang Cho<sup>2</sup>, Ajay Ashok<sup>2</sup>, Maximilian Braun<sup>2</sup>, Menglu Yang<sup>2</sup>, Karen Chang<sup>2</sup>, Anton Lennikov<sup>2</sup>, Sarita Pooranawattanakul<sup>2</sup>, Julie Chen<sup>2</sup>, Farris Elzaridi<sup>2</sup>, Hio Tong Kam<sup>2</sup>, Shuhong Jiang<sup>2</sup>, Yizhen Tang<sup>2</sup>, Qingfeng Li<sup>1</sup>, and Dong Feng Chen<sup>2</sup>

<sup>1</sup>Department of Plastic and Reconstructive Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, Shanghai, China; <sup>2</sup>Department of Ophthalmology, Schepens Eye Research Institute of Massachusetts Eye and Ear, Harvard Medical School, Boston, MA

- 4:00 - 4:15 PM

**Abstract 17 - Deciphering Pathogenic Cytokine Interplay in Retinal Inflammation, Angiogenesis and Fibrosis: A Transcriptomic Approach**

Fergus McLellan<sup>1</sup>, Pei Qin Ng<sup>2</sup>, Kelvin Huang<sup>1</sup>, Pete A. Williams<sup>3</sup>, and Daisy Y. Shu<sup>1</sup>

<sup>1</sup>School of Optometry and Vision Science, University of New South Wales, Sydney, NSW, Australia; <sup>2</sup>Department of Plant Science, University of Cambridge, Downing Street, Cambridge CB2 3EA, Cambridgeshire, UK; <sup>3</sup>Division of Eye and Vision, Department of Clinical Neuroscience, St. Erik Eye Hospital, Karolinska Institutet, Stockholm, Sweden

- 4:15 - 4:30 PM

**Abstract 18 - From Brain to Eye: Repurposing Dimethyl Fumarate to Target Vascular Endothelial Growth Factor-Induced Angiogenesis in Retinal Endothelial Cells**

Kelvin Huang<sup>1</sup>, Pei Qin Ng<sup>2,3</sup>, Fergus McLellan<sup>1</sup>, Mong Linh Vuong<sup>2,4</sup>, Alena Appiah<sup>2</sup>, Menglu Yang<sup>2</sup>, Suman Chaudhary<sup>2</sup>, Anton Lennikov<sup>2</sup>, Zhengping Hu<sup>2</sup>, and Daisy Y. Shu<sup>1</sup>

<sup>1</sup>School of Optometry and Vision Science, University of New South Wales, Kensington, New South Wales, Australia; <sup>2</sup>Ophthalmology, Schepens Eye Research Institute of Massachusetts Eye and Ear, Boston, MA; <sup>3</sup>University of Cambridge, Cambridge, United Kingdom; <sup>4</sup>Technische Universität München, Munich, Bavaria, Germany

## SESSION 6 - Pursuing a Career in Biomedical Research in the US as an International Trainee

4:30 - 5:30 PM

Moderators: Rodrigo Machado Florentino, PhD • University of Pittsburgh  
JaN'ya Brown • University of Maryland, Baltimore

**Session Description:** This session will focus on international trainees' training and research paths in the United States. The panelists will also share their personal experiences, challenges, and advice on navigating these challenges.

- 4:30 - 4:45 PM  
**R&D Scientist**  
Luma Melo, PhD • Brightseed
- 4:45 - 5:00 PM  
**Associate Professor**  
Dipika Gupta, PhD • New York University
- 5:00 - 5:15 PM  
**Post-Doctoral Fellow**  
Ramona Emig, PhD • Tufts University School of Medicine
- 5:15 - 5:30 PM  
**Pre-Doctoral Trainee**  
Carla Martinez-Morant, BS • Medical University of South Carolina

5:30 PM

Meeting Adjournment

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## Thursday, November 7

## SESSION 7 - Cancer Pathobiology and Molecular Diagnostics Young Investigator Short Talks

2:00 - 3:15 PM

Co-Chairs: Nathaniel Lartey, MPhil, PhD • University of Michigan  
Maria Zambrano, BS • Tufts University

- 2:00 - 2:15 PM  
**Abstract 19 - Histamine Receptor 1 Expression is Increase in Head and Neck Cancer Tumors and is Associated with Poor Patient Outcomes**  
Selene Shore<sup>1</sup>, and Mindy Engevik<sup>1,2</sup>  
<sup>1</sup>Department of Regenerative Medicine & Cell Biology, Medical University of South Carolina, Charleston, SC; <sup>2</sup>Department of Pharmacology & Immunology, Medical University of South Carolina, Charleston, SC
- 2:15 - 2:30 PM  
**Abstract 20 - Physical Activity Regulates Proteolytic Pathways to Protect Against Cancer-Mediated Cardiac Cachexia**  
Zoe P. Libramento, Louisa Tichy, and Traci L. Parry  
University of North Carolina at Greensboro, Department of Kinesiology, Greensboro, NC
- 2:30 - 2:45 PM  
**Abstract 21 - Selection for a Preferred Threshold Level of PI3K Activation in Myc-Driven Mammary Carcinogenesis**  
Maryknoll Linscott<sup>1,2</sup>, Jerry Ren<sup>1,2</sup>, Shelley Gestl<sup>2</sup>, Carrie Barnum<sup>1,2</sup>, Travis Leonard<sup>2</sup>, and Edward Gunther<sup>2,3</sup>  
<sup>1</sup>Medical Scientist Training Program, Penn State College of Medicine, Hershey, PA; <sup>2</sup>Gittlen Laboratories for Cancer Research, Penn State College of Medicine, Hershey, PA; <sup>3</sup>Department of Medicine, Penn State Health Milton S. Hershey Medical Center, Hershey, PA

- 2:45 - 3:00 PM  
**Abstract 22 - A 5-Year Study Involving Clinical Cases to Determine Copy Number Distribution of SMN1 and SMN2 Genes in Spinal Muscular Atrophy Testing across Medical Facilities in New Hampshire**

Debopriya Chakraborty<sup>1</sup>, Diana M. Toledo<sup>1,2</sup>, and Joel A. Lefferts<sup>1</sup>

<sup>1</sup>Clinical Genomics and Advanced Technology (CGAT), Department of Pathology and Laboratory Medicine, Geisel School of Medicine at Dartmouth, Dartmouth Hitchcock Medical Center, Lebanon, NH; <sup>2</sup>Clinical Research Sequencing Platform Laboratory, The Broad Institute at MIT and Harvard, Cambridge, Massachusetts

- 3:00 - 3:15 PM  
**Abstract 23 - Next-Generation Sequencing as a Reliable Method of Quantifying Bone Marrow Engraftment in Bone Marrow Transplant Patients**

Taylor D. Ticer<sup>1</sup>, Donald C. Green<sup>1</sup>, Sophie J. Deharvengt<sup>1</sup>, Wahab A. Khan<sup>1</sup>, Joel A. Lefferts<sup>1</sup>

<sup>1</sup>Department of Pathology and Laboratory Medicine, Geisel School of Medicine at Dartmouth, Dartmouth Hitchcock Medical Center, Lebanon, NH

## SESSION 8 - We Have to Talk: Navigating Difficult Conversations in the Lab

3:30 - 4:30 PM

Moderator: Maria Zambrano, BS • Tufts University

- 3:30 - 3:45 PM  
**Post-Doctoral Fellow**  
Michele Alves, PhD • Florida International University
- 3:45 - 4:00 PM  
**Instructor**  
Zhengping Hu, MD, PhD • Schepens Eye Research Institute of Massachusetts Eye and Ear
- 4:00 - 4:15 PM  
**Associate Professor**  
Aimee Shen, PhD • Tufts University
- 4:15 - 4:30 PM  
**Director**  
Lindsay Edwards, PhD • Zag Bio (need degree)

## SESSION 9 - Gastrointestinal Pathobiology Young Investigator Short Talks

4:30 - 6:00 PM

Co-Chairs: Yekaterina Krutsenko, BSc • University of Pittsburgh

Priscilla Kyi, MS, BS • Medical College of Wisconsin

- 4:30 - 4:45 PM  
**Abstract 24 - Akkermansia Muciniphila Alone Increases Small Intestine Tuft Cell Population via Succinate Production**  
Rachel Edens<sup>1</sup>, Jordan Rucker<sup>1</sup>, Sarah A. Dooley<sup>1</sup>, Rachel Stubler<sup>1</sup>, Piper McKee<sup>1</sup>, Thomas Horvath<sup>2</sup>, Kristen Engevik<sup>1</sup>, Melinda A. Engevik<sup>1,3</sup>, and Amy C. Engevik<sup>1</sup>  
<sup>1</sup>Department of Regenerative Medicine and Cell Biology, Medical University of South Carolina, Charleston, SC; <sup>2</sup>Department of Pathology, Texas Children's Hospital, Houston TX; <sup>3</sup>Department of Microbiology and Immunology, Medical University of South Carolina, SC
- 4:45 - 5:00 PM  
**Abstract 25 - Distinct Mucin Profiles are Associated with Inflammation in Ulcerative Colitis Patients**  
Alyssa Gutierrez<sup>1</sup>, Anna Tingler<sup>1</sup>, Amy Engevik<sup>1</sup>, and Melinda A. Engevik<sup>1,2</sup>  
<sup>1</sup>Department of Regenerative Medicine & Cell Biology, Medical University of South Carolina, Charleston, SC; <sup>2</sup>Department of Microbiology & Immunology, Medical University of South Carolina, Charleston, SC

- 5:00 - 5:15 PM

**Abstract 26 - High Fat Diet Alters Gastric Homeostasis Leading to Metaplasia**

Charulekha Packirisamy<sup>1</sup>, Annika Matthiesen<sup>2</sup>, Pooja Pradeep<sup>2</sup>, Janet Boggs<sup>2</sup>, Sarah A. Dooley<sup>1</sup>, Rachel Edens<sup>1</sup>, Piper McKee<sup>1</sup>, Catrina Robinson<sup>2</sup>, and Amy C. Engevik<sup>1</sup>

<sup>1</sup>Department of Regenerative Medicine and Cell Biology, Medical University of South Carolina, Charleston, SC; <sup>2</sup>Department of Neurology, Medical University of South Carolina, Charleston, SC

- 5:15 - 5:30 PM

**Abstract 27 - Antibiotic-Induced Alterations in Gut Microbiota and Their Effect on Mucus Production in the Cystic Fibrosis Colon**

Anna Tingler<sup>1</sup>, Rachel Bernard<sup>2</sup>, Rachel Edens<sup>1</sup>, Jennifer K. Spinler<sup>3,4</sup>, Thomas D. Horvath<sup>3,4</sup>, Numan Oezguen<sup>3,4</sup>, Lisa S. Zhang<sup>2</sup>, Anthony M. Haag<sup>3,4</sup>, Amy C. Engevik<sup>1</sup>, Daniel C. Payne<sup>6</sup>, Maribeth R. Nicholson<sup>2</sup>, and Melinda A. Engevik<sup>1,5</sup>

<sup>1</sup>Department of Regenerative Medicine & Cell Biology, Medical University of South Carolina, Charleston, SC; <sup>2</sup>Division of Pediatric Gastroenterology, Hepatology, and Nutrition, Monroe Carell Junior Children's Hospital at Vanderbilt, Nashville TN; <sup>3</sup>Department of Pathology, Texas Children's Hospital, Houston TX; <sup>4</sup>Department of Pathology & Immunology, Baylor College of Medicine, Houston TX; <sup>5</sup>Department of Microbiology & Immunology, Medical University of South Carolina, Charleston, SC; <sup>6</sup>Division of Viral Diseases, Centers for Disease Control and Prevention, Atlanta GA

- 5:30 - 5:45 PM

**Abstract 28 - Claudin-23 Expression in Intestinal Epithelial Cells Surrounding Mucosal Wounds Enhances Wound Repair In Vivo**

Kristen M. Lozada-Soto<sup>1,2,3\*</sup>, Arturo Raya-Sandino<sup>3\*</sup>, Vicky Garcia-Hernandez<sup>3</sup>, Miguel Quiros<sup>3</sup>, Charles A. Parkos<sup>3</sup>, and Asma Nusrat<sup>3</sup>

<sup>1</sup>Medical Scientist Training Program, University of Michigan Medical School, Ann Arbor, MI; <sup>2</sup>Molecular and Cellular Pathology Graduate Program, Rackham Graduate School, University of Michigan, Ann Arbor, MI; <sup>3</sup>Department of Pathology, University of Michigan Medical School, Ann Arbor, MI

\*K.L-S. and A.R.-S. contributed equally to the work presented in this abstract.

5:45 - 6:15 PM

**Closing Remarks/Announcement of Award Recipients**

Satdarshan (Paul) Singh Monga, MD, ASIP President  
University of Pittsburgh

6:15 PM

**Meeting Adjournment**