



ALL Sessions Times are Eastern Daylight Time (EDT)

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 EDT is 10:00 AM CDT
 If you are in the **Mountain** time zone, subtract 2 hours, e.g., 11:00 AM EDT is 9:00 AM MDT
 If you are in the **Pacific** time zone, subtract 3 hours, e.g., 11:00 AM EDT is 8:00 AM PDT

Tuesday, October 5

Session 1 – Cancer Pathobiology and Neuropathology

12:30-3:30 PM

Session Co-Chairs: Alexander T. Sougiannis, PhD, and Michelle Alves, PhD

Isaiah J. Fidler Memorial Keynote Lecture

12:30-1:15 PM

The Metastatic Cell is a Decathlon Champion

Diane Bielenberg, PhD

Boston Children's Hospital, Harvard Medical School, Boston, MA

Young Investigator Short Talks

1:15-1:30 PM

CAN1 - DCLK1 Promotes Cisplatin Resistance in Ovarian Cancer

Samrita Dogra^{1,2}, Katherine Moxley², and Bethany N. Hannafon^{1,2}

¹Department of Obstetrics and Gynecology, ²Stephenson Cancer Center, University of Oklahoma Health Sciences Center, Oklahoma City, OK

1:30-1:45 PM

CAN2 - Targeting the DNA Damage Response Pathway by Combination of ATR and PARP Inhibition Imparts Synthetic Lethality to Cervical Cancer Cells

Marlee Hill¹, Sugantha Priya Elayapillai^{2,3}, Bethany Hannafon^{2,3}, and Katherine Moxley^{2,3}

¹College of Medicine, University of Oklahoma, Oklahoma City, OK, ²Department of Obstetrics and Gynecology, University of Oklahoma Health Sciences Center, Oklahoma City, OK, ³Stephenson Cancer Center, University of Oklahoma Health Sciences Center, Oklahoma City, OK

1:45-2:00 PM

CAN3 - Collagen Hydroxyproline Analysis of Colon Cancer Polyps in Patients Within the Appalachian Mountain Region

Alexander T. Sougiannis¹, Gavin T. Cauley¹, and Peggi M. Angel²

¹Medical University of South Carolina, College of Medicine, Charleston, SC, ²Department of Cell and Molecular Pharmacology, Medical University of South Carolina, Charleston, SC

2:00-2:15 PM

CAN4 - CECR2 Drives Breast Cancer Metastasis by Suppressing Macrophage Inflammatory Responses

Meiling Zhang and Qin Yan

Department of Pathology, Yale School of Medicine, New Haven, CT

2:15-2:30 PM

NEURO1 - PECAM-1 Blockade Reduces Neutrophil Infiltration into the Subcortex Post-Stroke

Erika Arias, Neil Avadhoot Nadkarni, Raymond S. Fang, Maureen Haynes, Ayush Batra, William A. Muller, and David P. Sullivan

Department of Pathology, Northwestern University, Chicago, IL

2:30-2:45 PM

NEURO2 - AAV-mediated Gene Replacement Therapy is Beneficial in Unverricht-Lundborg Disease Mouse Model

Emrah Gumusgoz, Sahba Kasiri, Jun Wu, Matthew Dear, Xin Chen, and Berge Minassian

Department of Pediatrics, University of Texas Southwestern Medical Center, Dallas, TX

2:45-3:00 PM

NEURO3 - Neuronal Death and Inflammation in Brain of SARS-CoV-2 Infected Non-Human Primates

Meredith G. Mayer², Ibolya Rutkai¹, Linh M. Hellmers², Bo Ning³, Zhen Huang³, Christopher J. Monjure², Carol Coyne², Rachel Silvestri², Nadia Golden², Krystle Hensley², Kristin Chandler², Gabrielle Lehmicke², Gregory J. Bix¹, Nicholas J. Maness², Kasi Russell-Lodrigue², Tony Y. Hu³, Chad J. Roy², Robert V. Blair², Rudolf Bohm², Lara A. Doyle-Meyers², Jay Rappaport², and Tracy Fischer²

¹Department of Neurosurgery, Clinical Neuroscience Research Center, Tulane University School of Medicine, New Orleans, LA, ²Tulane National Primate Research Center, Covington, LA, ³Center for Cellular and Molecular Diagnostics, Tulane University School of Medicine, New Orleans, LA

3:00-3:15 PM

NEURO4 - Interactions Between Autophagy, Herpesvirus, and Neurodegeneration in Alzheimer's Disease

Amir Nafchi¹, Mona Esmaili¹, Pouya Raeisinafchi², Orrin Myers⁴, and Elaine Bearer³.

¹Department of Electrical and Computer Engineering, University of New Mexico, Albuquerque, NM, ²Department of Psychology, Neuroscience & Behavior, McMaster University, Hamilton, ON, Canada, ³Department of Pathology, University of New Mexico School of Medicine, Albuquerque, NM, ⁴Department of Family and Community Medicine, University of New Mexico School of Medicine, Albuquerque, NM

3:15-3:30 PM

NEURO5 - Early Life Adversity Potentiates Adult Response to Acute Threat: A Brain-wide Neuroimaging and Behavior Study

Taylor W. Uselman¹, Russell E. Jacobs², Elaine L. Bearer^{1,3}

¹Department of Pathology, University of New Mexico Health Science Center, Albuquerque, NM, ²Zilkha Neurogenetic Institute, USC Keck School of Medicine, Los Angeles, CA, ³Biology and Biological Engineering, Caltech, Pasadena, CA

Tuesday, October 5

Session 2 – Pathobiology of Infectious Disease

3:45-6:00 PM

Session Co-Chairs: Kristen Engevik, PhD, and Francisco J. Carrillo-Salinas, PhD

Emanuel Rubin Memorial Keynote Lecture

3:45-4:30 PM

Understanding HIV Infection in the Female Genital Tract

Marta Rodriguez-Garcia, MD, PhD

Department of Immunology, Tufts University School of Medicine, Boston, MA

Young Investigator Short Talks

4:30-4:45 PM

IND1 - Sofia SARS Antigen FIA and Reverse-Transcriptase Polymerase Chain Reaction: Comparing Diagnostic Methods

Blaire Anderson¹, Anna Bouck¹, Michael Lambert², Dorothy Martin^{1,2}, Heather Steinmetz¹, Samantha Allen¹, Joel Lefferts¹, and Bing Ren^{1,2}

¹*Department of Pathology and Laboratory Medicine, Dartmouth-Hitchcock Medical Center, Lebanon, NH,*

²*Springfield Hospital, Springfield, VT*

4:45-5:00 PM

IND2 - Estradiol Levels Influence Neutrophil Responses Against HIV in Women

Anna Borchers¹, Laura Moreno de Lara^{1,2}, Ragav S Parthasarathy^{1,3}, Christina Ochsenbauer⁴, Alexander Panda^{5,6}, Francisco J. Carrillo-Salinas¹, and Marta Rodriguez-Garcia^{1,3}

¹*Department of Immunology, Tufts University School of Medicine, Boston MA,* ²*Immunology Unit, Biomedical Research Centre, University of Granada, Granada, Spain,* ³*Immunology Program, Tufts Graduate School of Biomedical Sciences, Boston, MA,* ⁴*Department of Medicine and UAB Center for AIDS Research, University of Alabama, Birmingham, AL,* ⁵*Tufts Medical Center/Division of Pulmonary and Critical Care, Boston, MA,* ⁶*Tufts Clinical and Translational Science Institute, Boston, MA*

5:00-5:15 PM

IND3 - SCFAs Impact Neutrophil Response to HIV Infection

Francisco J. Carrillo-Salinas¹, Ragav S. Parthasarathy^{1,2}, Laura Moreno de Lara^{1,3}, Anna Borchers¹, Christina Ochsenbauer⁴, Alexander Panda^{5,6}, and Marta Rodriguez-Garcia^{1,2}.

¹*Department of Immunology, Tufts University School of Medicine, Boston, MA,* ²*Immunology Program, Tufts Graduate School of Biomedical Sciences, Boston, MA,* ³*Immunology Unit, Biomedical Research Centre, University of Granada, Granada, Spain,* ⁴*Department of Medicine and UAB Center for AIDS Research, University of Alabama, Birmingham, AL,* ⁵*Tufts Medical Center/Division of Pulmonary and Critical Care, Boston, MA,* ⁶*Tufts Clinical and Translational Science Institute, Boston, MA*

5:15-5:30 PM

IND4 - Elucidating the Role of Host Purinergic Signaling During Rotavirus Infection

Kristen A. Engevik¹, John T. Gebert¹, Jacob L. Perry¹, Francesca J. Scribano¹, Takahiro Kawagishi², Harry Greenberg², and Joseph M. Hyser¹

¹*Department of Molecular Virology & Microbiology, Baylor College of Medicine, Houston TX,* ²*Department of Medicine, Gastroenterology & Hepatology Stanford University, Stanford, CA*

5:30-5:45 PM

IND5 - *Klebsiella pneumoniae* in the Colonic Mucus Layer Influences *Clostridioides difficile* Pathogenesis

Taylor Ticer and Mindy Engevik

Department of Regenerative Medicine, Medical University of South Carolina, Charleston, SC

Wednesday, October 6

Session 3 – Vascular Pathobiology

12:30-3:00 PM

Session Co-Chairs: Tendai Hunyenyiwa, MS, and Ramon Bossardi Ramos, PhD

Jay M. McDonald Memorial Keynote Lecture

12:30-1:15 PM

A Role for the Glycocalyx in Angiogenesis

Patricia A. D'Amore, PhD, MBA

Department of Ophthalmology, Schepens Eye Research Institute, Harvard Medical School, Boston, MA

Young Investigator Short Talks

1:15-1:30 PM

VASC1 - Neuropilin-1 Regulates Vascular Smooth Muscle Cell Contractility and Blood Pressure

Dakshnapriya Balasubramanian^{1,2}, George Lambrinos^{2,3}, Vivian Cristofaro^{2,4}, Alexander Bigger-Allen^{2,3}, Beibei Wang^{1,2}, Yao Gao^{1,2}, Hong Chen^{1,2}, Rosalyn M. Adam^{2,3}, Maryrose P. Sullivan^{2,4}, and Diane R. Bielenberg^{1,2}

¹*Vascular Biology Program, Boston Children's Hospital, Boston, MA*, ²*Department of Surgery, Harvard Medical School, Boston, MA*, ³*Department of Urology Research, Boston Children's Hospital, Boston, MA*, ⁴*Division of Urology, Veterans Affairs Boston Healthcare System, Boston, MA*

1:30-1:45 PM

VASC2 - Loss of the Smooth-muscle-cell-Angiotensin II-sensitive (SAS) lncRNA Triggers VSMC Hypertrophy and Cell Cycle Arrest: Application to Hypertension and Aortic Stiffness.

Cristina Espinosa-Diez, Mingjun Liu, Mingyuan Du, Sidney Mahan, and Delphine Gomez

Department of Medicine, University of Pittsburgh, Pittsburgh, PA

1:45-2:00 PM

VASC3 - Specific Role of Endomucin in Vascular Endothelial Growth Factor Receptor 2 (VEGFR2) Internalization and Function

Zhengping Hu^{1,2}, Issahy Cano^{1,2}, Magali Saint-Geniez^{1,2}, Eric Ng^{1,2}, and Patricia A. D'Amore^{1,2,3}

¹*Schepens Eye Research Institute of Massachusetts Eye and Ear*, ²*Departments of Ophthalmology and Pathology, Harvard Medical School, Boston, MA*

2:00-2:15 PM

VASC4 - Obesity Inhibits Angiogenesis Through TWIST1-SLIT2 Signaling

Tendai Hunyenyiwa, Kathryn Hendee, Kienna Matus, Priscilla Kyi, Tadanori Mammoto, and Akiko Mammoto

Department of Pediatrics, Medical College of Wisconsin, Milwaukee, WI

2:15-2:30 PM

VASC5 - COVID Coronary Vascular Thrombosis: Correlation with Neutrophil But Not Endothelial Activation

Justin E. Johnson¹, Dan Jane-wit^{1,2}, Declan McGuone³, Mina L. Xu³, Richard N. Mitchell⁴, Peter Libby⁵, Jordan S. Pober¹

¹Department of Immunobiology, Yale University School of Medicine, New Haven, CT, ²Department of Cardiology, West Haven VA Medical Center, West Haven, CT, ³Department of Pathology, Yale University School of Medicine, New Haven, CT, ⁴Department of Pathology, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, ⁵Division of Cardiovascular Medicine, Brigham and Women's Hospital, Harvard Medical School, Boston, MA

2:30-2:45 PM

VASC6 - H3K4 Di-methylation Governs Smooth Muscle Lineage Identity and Promotes Vascular Homeostasis by Restraining Plasticity

Mingjun Liu^{1,2}, Cristina Espinosa-Diez¹, Sidney Mahan¹, Mingyuan Du^{1,3}, Anh T. Nguyen⁴, Scott Hahn¹, Raja Chakraborty^{5,6}, Adam C. Straub^{1,7,8}, Kathleen A. Martin^{5,6}, Gary K. Owens^{4,9}, and Delphine Gomez^{1,2}

¹Pittsburgh Heart, Lung, Blood, and Vascular Medicine Institute, University of Pittsburgh, Pittsburgh, PA, ²Division of Cardiology, Department of Medicine, University of Pittsburgh, Pittsburgh, PA, ³Department of Vascular Surgery, The Second Xiangya Hospital of Central South University, Changsha, China, ⁴Robert M. Berne Cardiovascular Research Center, University of Virginia, Charlottesville, VA, ⁵Internal Medicine, Cardiovascular Medicine Section, Yale Cardiovascular Research Center, Yale University, New Haven, CT, ⁶Department of Pharmacology, Yale University, New Haven, CT, ⁷Department of Pharmacology and Chemical Biology, University of Pittsburgh School of Medicine, Pittsburgh, PA, ⁸Center for Microvascular Research, University of Pittsburgh School of Medicine, Pittsburgh, PA, ⁹Department of Molecular Physiology and Biological Physics, University of Virginia, Charlottesville, VA

2:45-3:00 PM

VASC7 - SNAP29 Restricts Cardiac Arrhythmias by Insulating a Subset of Desmosomal Proteins and Connexin43 from Autophagic Degradation

Jie Wang, Jason Pellman, Robert Lyon, Yan Liang, Valeria Mezzano, Jing Zhang, Vishal Nigam, Yusu Gu, Nancy Dalton, Kirk L. Peterson, and Farah Sheikh

Department of Medicine, University of California – San Diego, San Diego, CA

Coffee Break 3:00-3:30 PM

Wednesday, October 6

Session 4 – Inflammation and Immunopathology

3:30-6:15 PM

Session Co-Chairs: Nakisha Rutledge, BS, and Erik Butcher, PhD

Janardan K. Reddy Memorial Keynote Lecture

3:30-4:15 PM

How Inflammation Begets Pathology

William A. Muller, MD, PhD

Department of Pathology, Feinberg School of Medicine, Northwestern University, Chicago, IL

Young Investigator Short Talks

4:15-4:30 PM

INFL1 - Adipose Tissue Role in Neonatal Sepsis.

Michele J. Alves, Juliet Torres, Silvio Fernandes de Araujo Junior, Paolo Fadda, Jennifer Mele, Catherine Czeisler, and Jose Otero

Department of Pathology, The Ohio State University, College of Medicine, Columbus, OH

4:30-4:45 PM

INFL2 - Differentially Methylated Positions After IL-6 in the Endothelium

Ramon Bossardi Ramos, Nina Martino, and Alejandro Adam

Department of Molecular and Cellular Physiology, Albany Medical College, Albany, NY

4:45-5:00 PM

INFL3 - Identification and Characterization of a First Series of Small Molecule Inhibitors of Feline Islet Amyloid Polypeptide Aggregation

Kelsey E. Duggan¹, Kendra N. Nylén², Nurhanis B.M. Isa², Malikah O'Dell², and Jessica S. Fortin^{1,3}

¹College of Veterinary Medicine, Michigan State University, East Lansing, MI, ²Department of Chemistry, College of Natural Science, Michigan State University, East Lansing, MI, ³Current Address - Department of Basic Medical Sciences, College of Veterinary Medicine, Purdue University, West Lafayette, IN

5:00-5:15 PM

INFL4 - Identifying the Targets of Perforin Mediated Killing

Vineet Garlapally, Vandana Chaturvedi, and Michael Jordan

Department of Pathobiology and Molecular Medicine, University of Cincinnati, Cincinnati Children's Hospital, Cincinnati, OH

5:15-5:30 PM

INFL5 - Cationic Antimicrobial Peptide, E35, Reduces LPS-induced Inflammation in Mice

Joud Mulla¹, Sultan Abdelhamid¹, Zachary Secunda¹, Bashar Al Matour¹, Nijmeh Alsaadi¹, Berthony Deslouches², and Melanie J. Scott¹

¹Department of Surgery, University of Pittsburgh, Pittsburgh, PA, ²Department of Environmental and Occupational Health, University of Pittsburgh, Pittsburgh, PA

5:30-5:45 PM

INFL6 - Perivascular Macrophages Prime Vascular Endothelial Cells to Promote Neutrophil Adhesion and Transendothelial Migration

Xingsheng Ren, Jessica M. Urbanczyk, and Ronen Sumigan

Department of Pathology, Northwestern University Feinberg School of Medicine, Chicago, IL

5:45-6:00 PM

INFL7 - Human L2 Regulates Leukocyte Transmigration at a Unique Step between those Regulated by PECAM and CD99

Nakisha S. Rutledge, David P. Sullivan, Faith Ogungbe, and William A. Muller

Department of Pathology, Northwestern University, Feinberg School of Medicine, Chicago, IL

6:00-6:15 PM

INFL8 - Interplay Between TNF α -induced Inflammation and Metabolic Dysfunction in Retinal Pigment Epithelial Cells

Daisy Y. Shu, Erik R. Butcher, Emmanuella Nnuji-John, Scott Frank, Rishi Shah, Siwei Cai, Deviprasad Gollapalli, and Magali Saint-Geniez

Schepens Eye Research Institute of Mass Eye and Ear, Department of Ophthalmology, Harvard Medical School, Boston, MA

Thursday, October 7

Session 5 – Epithelial and Mucosal Pathobiology

12:30-3:00 PM

Session Co-Chairs: Daisy Shu, PhD, and Anny-Claude Luissint, PhD

Marilyn G. Farquhar Memorial Keynote Lecture

12:30-1:15 PM

Plasticity of the Mucosal Barrier: Insights into Regulation of Epithelial Homeostasis and Repair

Asma Nusrat, MD

Department of Pathology, Michigan Medicine, University of Michigan, Ann Arbor, MI

Young Investigator Short Talks

1:15-1:30 PM

MUC1 - *Giardia duodenalis* Alters Biochemical Properties of Intestinal Mucus During Infection

Elena Fekete, Thibault Allain, and Andre Buret

Department of Biological Sciences, University of Calgary, Calgary, Alberta, Canada

1:30-1:45 PM

MUC2 - Characterizing the Mucin-degrading Capacity of the Human Gut Microbiota

Janiece Glover, Taylor Ticer, and Melinda A. Engevik

Department of Regenerative Medicine and Cell Biology, Medical University of South Carolina, Charleston, SC

1:45-2:00 PM

MUC3 - *Annickia polycarpa* Extract Attenuates DSS-induced Colitis by Balancing Neutrophil Recruitment

Nathaniel L. Lartey¹, Hilda Vargas-Robles¹, Idaira M. Guerrero-Fonseca¹, Emmanuel K. Kumatia², Augustine Ocloo³, and Michael Schnoor¹

¹*Department of Molecular Biomedicine, CINVESTAV-IPN, Mexico-City, Mexico*, ²*Department of Phytochemistry, Centre for Plant Medicine Research. Akuapem-Mampong, Ghana*, ³*Department of Biochemistry, Cell, and Molecular Biology, University of Ghana, Legon-Ghana*

2:00-2:15 PM

MUC4 - *Giardia Muris* Infection Leads to Tuft Cell Hyperplasia at Later Stages of Infection

Olivia Sosnowski, Thibault Allain, Elena Fekete, Derek M. McKay, and Andre G. Buret

Department of Biological Sciences, University of Calgary, Calgary, Alberta, Canada

2:15-2:30 PM

MUC5 - Transcorneal Electric Stimulation Therapy Induce Dry Eye by [Ca²⁺]_i Depletion of Goblet Cells and Reduce Mucin Production

Menglu Yang¹, Anton Lennikov¹, Kinsang Cho¹, Karen Chang¹, Tor Paaske Utheim², Darlene Dartt¹, and Dong Feng Chen¹

¹*Schepens Eye Research Institute, Massachusetts Eye and Ear, Harvard Medical School, Boston, MA*, ²*Faculty of Medicine, University of Oslo, Oslo, Norway*

Coffee Break 2:30-3:00 PM

Thursday, October 7

Session 6 – Liver Pathobiology

3:00-5:45 PM

Session Co-Chairs: Vik Meadows, MS, and Chhavi Goel, PhD

Samuel W. French Memorial Keynote Lecture

3:00-3:45 PM

The Many Tiers of Liver Repair: Prometheus Needed Them All

Satdarshan P. Monga, MD

Pittsburgh Liver Research Center, University of Pittsburgh, Pittsburgh, PA

Young Investigator Short Talks

3:45-4:00 PM

LIVER1 - TLR4 Deficiency Alters Platelet-Derived Exosome Release and Increases Mortality in a Model of Liver Regeneration

Nijmeh Alsaadi¹, Hamza Yazdani¹, Matthew D. Neal¹, and Roberto Ivan Mota Alvidrez^{1,2,3}

¹Department of Surgery, ²McGowan Institute for Regenerative Medicine, ³Vascular Medicine Institute, University of Pittsburgh, Pittsburgh, PA

4:00-4:15 PM

LIVER2 - β -catenin Conditional Knockout Elicits Protection Against Lithocholic Acid-induced Cholestatic Injury in a Murine Model

Chhavi Goel¹, Rong Zhang¹, Pamela Cornuet¹, Xiaochao Ma², and Kari Nejak-Bowen^{1,3}

¹Department of Pathology, University of Pittsburgh School of Medicine, Pittsburgh, PA, ²Center for Pharmacogenetics, Department of Pharmaceutical Sciences, University of Pittsburgh School of Pharmacy, Pittsburgh, PA, ³Pittsburgh Liver Research Center, University of Pittsburgh School of Medicine, Pittsburgh, PA

4:15-4:30 PM

LIVER3 - Mitigation of High-Fat Diet-Induced Liver Injury in MS-NASH Mice: Modifications in Proteomic Signature

Isabelle Harber, Dania Zeidan, Shannon McClintock, and Muhammad Nadeem Aslam

Department of Pathology, University of Michigan, Ann Arbor, MI

4:30-4:45 PM

LIVER4 - PDGF Increases Hepatocyte-HMGB1 Synergistically with Stimulation of Heparan Sulfate *in vitro* and Alters Hepatocyte Exosome Release in TLR4 Deficient Mice

Zeyu Liu¹, Nijmeh Alsaadi¹, Hamza Yazdani¹, Matthew D. Neal¹, and Roberto Ivan Mota Alvidrez^{1,2,3}

¹Department of Surgery, ²McGowan Institute for Regenerative Medicine, ³Vascular Medicine Institute, University of Pittsburgh, Pittsburgh, PA

4:45-5:00 PM

LIVER5 - Hepatic Autophagy Deficiency Leads to Exosome Overproduction and Pro-inflammatory Response

Gang Liu, Michelle Ma, and Xiao-Ming Yin

Department of Pathology and Laboratory Medicine, Tulane University School of Medicine, New Orleans, LA

5:00-5:15 PM

LIVER6 - Histamine increases Hepatic and Intestinal Mast Cell Activation and Regulates Bile Acid Signaling During PSC

Vik Meadows¹, Debjyoti Kundu¹, Vincent Zhou², Lindsey Kennedy², and Heather Francis²

¹Department of Biochemistry and Molecular Biology, ²Department of Medicine, Indiana University School of Medicine, Indianapolis, IN

5:15-5:30 PM

LIVER7 - Durable Persistence of the Fetal Hepatocyte Phenotype After Liver Cell Transplantation

Anders W. Ohman and Jennifer A. Sanders

Department of Pathology and Laboratory Medicine, Brown University, Division of Pediatric Endocrinology, Rhode Island Hospital, Providence RI

5:30-5:45 PM

LIVER8 - Transcriptional Correlation Analysis of Livers Undergoing Normothermic Machine Perfusion Links Gene Expression Patterns with Graft Functional Metrics

John Santiago¹, Siavash Raigani², Anders Ohman¹, Korkut Uygun³, Heidi Yeh³, and Jennifer A. Sanders¹

¹Department of Pathology and Laboratory Medicine, Brown University, ²Center for Engineering in Medicine and Surgery, Massachusetts General Hospital, Harvard Medical School, Boston, MA, ³Transplant Surgery, Massachusetts General Hospital, Boston, MA

Awards Presentations

William B. Coleman, PhD, ASIP Executive Officer

Closing Remarks

Patricia D'Amore, PhD, ASIP President

Schepens Eye Research Institute/Harvard Medical School