



**Schedule-at-a-Glance**  
**Thursday, January 23, 2014**

<b>10:00 a.m. – 6:00 p.m.</b>	<b>Registration Open</b> <i>Rotunda East Ballroom, Level 2</i>
<b>11:00 a.m. – 6:00 p.m.</b>	<b>ASTS Pre-Meeting: Innovation in the Operating Room</b> <i>Americana Salon 4, Level 2</i>
<b>11:00 a.m. – 1:00 p.m.</b>	<b>Innovation &amp; the Young Surgeon</b> <i>Americana Salon 4, Level 2</i>
<b>1:05 – 1:30 p.m.</b>	<b>Break</b> <i>Americana Foyer, Level 2</i>
<b>1:30 – 4:10 p.m.</b>	<b>The Operating Room: Past, Present, Future</b> <i>Americana Salon 4, Level 2</i>
<b>4:10 – 4:20 p.m.</b>	<b>Break</b> <i>Americana Foyer, Level 2</i>
<b>4:20 – 6:00 p.m.</b>	<b>Biologic Innovations in Transplant</b> <i>Americana Salon 4, Level 2</i>

**ASTS Pre-Meeting: Innovation in the Operating Room**

*Americana Salon 4, Level 2*

**Innovation & the Young Surgeon**

Moderators:

Jean C. Emond, MD

*Columbia University and the New York Presbyterian Hospital*

Daniela P. Ladner, MD

*Northwestern University Feinberg School of Medicine*

**11:00 – 11:05 a.m.**

**Overview**

Daniela P. Ladner, MD

*Northwestern University Feinberg School of Medicine*

**11:05 – 11:25 a.m.**

**Innovation & the Young Surgeon**

Jean C. Emond, MD

*Columbia University and the New York Presbyterian Hospital*

**11:25 – 11:45 a.m.**

**Frailty: Failing the Eyeball Test**

Michael J. Englesbe, MD

*University of Michigan*

**11:45 a.m. – 12:05 p.m.**

**New Ideas to Policy**

Dorry L. Segev, MD, PhD

*Johns Hopkins University*

**12:05 – 12:25 p.m.**

**eHealth & Transplantation**

John W. McGillicuddy, MD

*Medical University of South Carolina*

**12:25 – 12:45 p.m.**

**How They Do It: Learning from Abroad**

Kim M. Olthoff, MD

*Hospital of the University of Pennsylvania*

**12:45 – 1:05 p.m.**

**Big Operations – Big Wins**

Goran B. Klintmalm, MD, PhD

*Baylor University Medical Center*

**1:05 – 1:30 p.m.**

**Break**

*Americana Foyer, Level 2*

## **The OR: Past, Present, Future**

Moderators:

Marwan S. Abouljoud, MD, FACS

*Henry Ford Hospital Transplant Institute*

Steve I. Hanish, MD

*University of Maryland*

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| <b>1:30 – 1:50 p.m.</b> | <b>Living Donor Nephrectomy</b><br>Tayyab S. Diwan, MD<br><i>University of Cincinnati Medical Center</i>                      |
| <b>1:50 – 2:10 p.m.</b> | <b>Living Donor Hepatectomy</b><br>Benjamin Samstein, MD<br><i>Columbia University and the New York Presbyterian Hospital</i> |
| <b>2:10 – 2:30 p.m.</b> | <b>DCD Procurements</b><br>George E. Loss, Jr., MD, PhD<br><i>Ochsner Clinic Foundation</i>                                   |
| <b>2:30 – 2:50 p.m.</b> | <b>Pancreas Transplant</b><br>Ty B. Dunn, MD, MS<br><i>University of Minnesota</i>  |
| <b>2:50 – 3:10 p.m.</b> | <b>Kidney Transplant</b><br>Christopher E. Freise, MD<br><i>University of California, San Francisco</i>                       |
| <b>3:10 – 3:30 p.m.</b> | <b>Liver Transplant</b><br>William C. Chapman, MD, FACS<br><i>Washington University in St. Louis</i>                          |
| <b>3:30 – 3:50 p.m.</b> | <b>Multi-Visceral Transplant</b><br>A. Joseph Tector, MD, PhD<br><i>Indiana University School of Medicine</i>                 |
| <b>3:50 – 4:10 p.m.</b> | <b>HPB</b><br>Christopher J. Sonnenday, MD, MHS<br><i>University of Michigan</i>  |
| <b>4:10 – 4:20 p.m.</b> | <b>Break</b><br><i>Americana Foyer, Level 2</i>   |

## **Biologic Innovations in Transplantation**

Moderators:

Sandy Feng, MD, PhD

*University of California San Francisco*

Kenneth J. Woodside, MD

*University Hospitals Case Medical Center*

**4:20 – 4:40 p.m.**

### **Hepatitis C at the Crossroads**

Robert S. Brown, MD, PhD

*New York Presbyterian Hospital*

**4:40 – 5:00 p.m.**

### **Changing Face of Immunosuppression**

Kenneth A. Newell, MD, PhD

*Emory University*

**5:00 – 5:20 p.m.**

### **Antibody – Make It Go Away**

Jayne E. Locke, MD, MPH

*University of Alabama at Birmingham*

**5:20 – 5:40 p.m.**

### **Tissue Engineering: Prêt-à-Porter**

Jason A. Wertheim, MD, PhD

*Northwestern University*

**5:40 – 6:00 p.m.**

### **Personalized Transplant: Made to Measure**

Michael M. Abecassis, MD, MBA

*Northwestern University*



## American Society of Transplant Surgeons

### Schedule-at-a-Glance Friday, January 24, 2014

<b>7:00 a.m. – 6:00 p.m.</b>	<b>Registration Open</b> <i>Rotunda East Ballroom, Level 2</i>
<b>7:00 – 8:00 a.m.</b>	<b>Continental Breakfast</b> <i>Americana Foyer, Level 2</i>
<b>8:00 – 11:00 a.m.</b>	<b>ASTS Legislative Update and Advocacy Symposium</b> <i>Americana Salon 4, Level 2</i>
<b>11:00 a.m. – 7:30 p.m.</b>	<b>Exhibit &amp; Poster Hall Open</b> <i>Americana Salon 1,2 &amp; 3, Level 2</i>
<b>11:00 a.m. – 12:00 p.m.</b>	<b>Lunch</b> <i>Americana Salon 3, Level 2</i>
<b>12:00 – 3:20 p.m.</b>	<b>ASTS Winter Symposium: Meeting the Challenges of Innovation</b> <i>Americana Salon 4, Level 2</i>
<b>12:00 – 12:20 p.m.</b>	<b>Welcome &amp; Overview</b> <i>Americana Salon 4, Level 2</i>
<b>12:20 – 12:50 p.m.</b>	<b>David Hume Lecture</b> <i>Americana Salon 4, Level 2</i>
<b>12:50 – 1:50 p.m.</b>	<b>Innovating in the Operating Room: Stories of Innovation</b> <i>Americana Salon 4, Level 2</i>
<b>1:50 – 2:00 p.m.</b>	<b>Break</b> <i>Americana Salon 3, Level 2</i>
<b>2:00 – 2:30 p.m.</b>	<b>Innovation Outside the Operating Room</b> <i>Americana Salon 4, Level 2</i>
<b>2:30 – 3:00 p.m.</b>	<b>Threats to Innovation</b> <i>Americana Salon 4, Level 2</i>
<b>3:00 – 3:20 p.m.</b>	<b>Innovation at the Crossroads</b> <i>Americana Salon 4, Level 2</i>



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**American Society of Transplant Surgeons**

**Schedule-at-a-Glance**  
**Friday, January 24, 2014**

**3:30 – 5:00 p.m.**

**Poster Session with Presenters in Attendance**

*Americana Salon 1, 2, & 3, Level 2*

The Top Ten posters will be presented “Poster of Distinction” awards during the Exhibit Hall Reception. Presenters must be in attendance at their poster in order to be eligible for an award.

**5:15 – 6:30 p.m.**

**Career Development Seminar: Finding Your Niche**

*Poinciana Salon 1, 2, & 3, Level 2*

**6:30 – 7:30 p.m.**

**Exhibit Hall Reception with Poster of Distinction  
Awards Presentation and Junior Investigator Award  
Presentation**

*Americana Salon 1, 2, & 3, Level 2*

## Legislative Update and Advocacy Symposium

*Americana Salon 4, Level 2*

- 7:00 – 8:00 a.m.**                      **Breakfast**  
*Americana Foyer, Level 2*
- 8:00 – 8:10 a.m.**                      **Introduction**  
David J. Reich, MD, FACS  
*Drexel University College of Medicine, Hahnemann University*
- William C. Chapman, MD, FACS  
*Washington University in St. Louis*
- 8:10 – 8:50 a.m.**                      **Keynote Address: Crash Course on Health Care Reform in an Era of Budgetary Constraint (ACA, SGR, P4P, Liability Reform, Workforce and Training Issues, Research Funding)**  
David B. Hoyt, MD, FACS  
*Executive Director, ACS*
- 8:50 – 9:05 a.m.**                      **Legislative Advocacy Priorities in Transplantation**  
David J. Reich, MD, FACS  
*Drexel University College of Medicine, Hahnemann University*
- 9:05 – 9:45 a.m.**                      **How and with Whom Do We Move our Agenda through the Federal Legislature?**  
Peggy Tighe, JD  
*Powers, Pyles, Sutter & Verville, PC*
- 9:45 – 10:05 a.m.**                      **What to Be Vigilant about on Your Home Front – Transplant Advocacy at the State Level (Essential Health Benefits, Exchanges, Medicare/Medicaid Reform)**  
Peter W. Thomas, JD  
*Powers, Pyles, Sutter & Verville, PC*
- 10:05 – 10:35 a.m.**                      **Government Perspective**  
Rep. Michael C. Burgess, MD (R-TX)  
*U.S. House of Representatives*
- 10:35 – 10:55 a.m.**                      **Q&A/Panel Discussion**  
David B. Hoyt, MD, FACS  
Peter W. Thomas, JD  
Peggy Tighe, JD  
David J. Reich, MD, FACS
- 10:55 – 11:00 a.m.**                      **Wrap-Up**  
David J. Reich, MD, FACS  
*Drexel University College of Medicine, Hahnemann University*
- William C. Chapman, MD, FACS  
*Washington University in St. Louis*

**ASTS State of the Art Winter Symposium: Meeting the Challenges of Innovation**  
*Americana Salon 4, Level 2*

**11:00 a.m. – 12:00 p.m.**      **Lunch**  
*Americana Salon 3, Level 2*

**Meeting the Challenges of Innovation**

Moderators:

David C. Mulligan, MD

*Yale University*

Michael J. Englesbe, MD

*University of Michigan*

**12:00 – 12:05 p.m.**      **Welcome & MOC Overview**  
Michael J. Englesbe, MD  
*University of Michigan*

Matthew H. Levine, MD, PhD  
*University of Pennsylvania*

**12:05 – 12:20 p.m.**      **Overview: Meeting the Challenges of Innovation**  
David C. Mulligan, MD  
*Yale University*

**12:20 – 12:50 p.m.**      **David Hume Lecture**  
Arnold Diethelm, MD  
*Professor Emeritus*  
*University of Alabama, Birmingham*

**12:50 – 1:50 p.m.**      **Innovating in the Operating Room: Stories of Innovation**  
Lloyd E. Ratner, MD, MPH  
*Columbia University*

Jean C. Emond, MD  
*Columbia University and the New York Presbyterian Hospital*

Clyde F. Barker, MD  
*University of Pennsylvania*

Robert B. Love, MD, FACS  
*Fraedtert and Medical College of Wisconsin*

Linda C. Cendales, MD  
*Emory University*

Andreas Tzakis, MD, PhD  
*Cleveland Clinic Florida*

**1:50 – 2:00 p.m.**      **Break**  
*Americana Salon 3, Level 2*



## **Innovation Outside the Operating Room**

Moderators:

John C. Magee, MD

*University of Michigan*

Alexander T. Maskin, MD

*University of Nebraska*

**2:00 – 2:10 p.m.**

### **Drug Development**

Thomas C. Pearson, MD, PhD

*Emory University*

**2:10 – 2:20 p.m.**

### **Device Development**

James V. Guarrera, MD, FACS

*Columbia University Medical Center*

**2:20 – 2:30 p.m.**

### **Research Development**

Robert M. Merion, MD, FACS

*University of Michigan Medical Center*

## **Threats to Innovation**

Moderators:

John C. Magee, MD

*University of Michigan*

Alexander T. Maskin, MD

*University of Nebraska*

**2:30 – 2:40 p.m.**

### **Financial Threats to Innovation**

Michael M. Abecassis, MD, MBA

*Northwestern University*

**2:40 – 2:50 p.m.**

### **Regulatory Threats to Innovation**

Robert M. Montgomery, MD, PhD

*Johns Hopkins University*

**2:50 – 3:00 p.m.**

### **Training Threats to Innovation**

Abhinav Humar, MD

*Thomas E. Starzl Transplant Institute*

**3:00 – 3:20 p.m.**

### **Innovation at the Crossroads: Panel Discussion**

Moderator:

John C. Magee, MD

*University of Michigan*

#### **Panel:**

Michael M. Abecassis, MD, MBA

*Northwestern University*

Robert M. Montgomery, MD, PhD

*Johns Hopkins University*

Abhinav Humar, MD

*Thomas E. Starzl Transplant Institute*

**Poster Session with Presenters in Attendance**

**3:30 – 5:00 p.m.**

*The Top Ten posters will be presented “Poster of Distinction” awards during the Exhibit Hall Reception. Presenters must be in attendance at their poster in order to be eligible for an award.*

**Career Development Seminar: Finding Your Niche**

*Poinciana 1, 2, & 3, Level 2*

Moderator:

Zoe A. Stewart, MD, PhD

*University of Iowa Hospitals and Clinics*

**5:15 – 6:30 p.m.**

Jonathan S. Bromberg, MD, PhD

*University of Maryland*

Daniela P. Ladner, MD

*Northwestern University Feinberg School of Medicine*

John C. Magee, MD

*University of Michigan*

Elizabeth A. Pomfret, MD, PhD

*Lahey Clinic*

**6:30 – 7:30 p.m.**

**Exhibit Hall Reception with Poster of Distinction Award  
Presentation and Jr. Investigator Award Presentation**

*Americana Salon 3, Level 2*

## POSTER SESSION

*\*\* Denotes Junior Investigator Award Recipient*

### Donor Management

- P-1 The Use of Living Donor Kidneys with Small Renal Cell Carcinoma in Transplantation**  
Obi Ekwenna, Miami Transplant Institute
- P-2 Improving Donor Conversion Rates at a Level One Trauma Center: Impact of Best Practice Guidelines**  
Bobby Gibbons II, Orlando Health
- P-3 Comparison of Two Hospital Educational Approaches to Increase Live Donor Kidney Transplantation amongst Minorities**  
Mencia Gomez De Vargas, Montefiore-Einstein Medical Center for Transplantation
- P-4 Post Living Kidney Donor Follow up: An Algorithm for Process Improvement**  
Deonna Moore, Vanderbilt University Medical Center
- P-5 Tobacco Abuse Does Not Affect Organ Quality in Deceased Donor Renal Transplantation**  
Sunil Patel, University of Buffalo
- P-6 Implementation of an Enhanced Recovery Protocol in Living Kidney Donors**  
Seth Waits, University of Michigan

### Heart

- P-7 Kidney-Induced Cardiac Allograft Tolerance across a Full MHC-Barrier in Miniature Swine**  
Sebastian Michel, Massachusetts General Hospital

### Kidney

- P-8 Socioeconomic Disparities among Deceased Donors and Kidney Transplant Recipients**  
Joel Adler, Massachusetts General Hospital
- P-9 Kidney Transplant Candidate Understanding of High Risk Kidneys**  
Sayeeda Ahsanuddin, Montefiore-Einstein Medical Center for Transplantation
- P-10 Using Analytic Morphomics to Assess Long Term Risk in Kidney Donors**  
Mitchell Alameddine, University of Michigan
- P-11 Influence of Prolonged Cold Ischemia in the Era of Marginal Donor Utilization**  
Yousef Al-Shraideh, Wake Forest University
- P-12 Single versus Dual (en bloc) Kidney Transplants from Donors <5 Years of Age: A Single Center Experience**  
Yousef Al-Shraideh, Wake Forest University
- P-13 Improved Outcomes with Transplantation and Surgical Management in Neonatal Autosomal Recessive Polycystic Kidney Disease (ARPKD)**  
Jennifer Berumen, Stanford University
- P-14 Leukopenia Management in Thymoglobulin Treated Renal Transplant Recipients**  
Lynsey Biondi, Lehigh Valley Health Network

- P-15 Innovation in Measuring Transplant Center Performance: Analysis of Patients' Perspectives on Inpatient Care**  
Apurba Chakrabarti, University of Michigan Medical School
- P-16 Mammography for Women 40 to 50 during Pre-Kidney Transplant Evaluation**  
Devan Cote, Case Western Reserve University School of Medicine
- P-17 Racial Differences in the Predominant Factors Associated with Early Graft Loss in Kidney Transplant Recipients**  
Kevin Douglas, Medical University of South Carolina
- P-18 Does High Recipient BMI Influence Outcomes in Deceased Donor Kidney Transplantation? A Paired Donor Kidney Analysis**  
Umar Farooq, Wake Forest Baptist Health
- P-19 Effect of Donor Obesity on Outcomes in Expanded Criteria Donor Kidney Transplantation**  
Umar Farooq, Wake Forest Baptist Health
- P-20 Is Recipient BMI  $\geq 40$  a Contraindication to Kidney Transplantation?**  
Umar Farooq, Wake Forest Baptist Health
- P-21 Graft Failure Due to Noncompliance among 628 Kidney Transplant Recipients with Long-term Follow-up: A Single-Center, Observational Study**  
Jeffrey Gaynor, University of Miami
- P-22 The Impact of the Share 35 Policy on First Allograft Outcomes among Kidney Transplant Recipients\*\***  
Meera Gupta, University of Pennsylvania
- P-23 Perceived Knowledge of Kidney Transplantation and the Pursuit of a Live Donor**  
Natasha Gupta, Johns Hopkins University School of Medicine
- P-24 Anticoagulation after Renal Transplantation Prevents Graft Thrombosis in Patients with Thrombophilia**  
Christine Hwang, University of Texas Southwestern Medical Center
- P-25 Highly-Sensitized Kidney Transplant Candidates: Opportunities for Transplant**  
Colleen Jay, Mayo Clinic Rochester
- P-26 Preemptive Kidney Transplantation: The Nation's Report Card**  
Colleen Jay, Mayo Clinic Rochester
- P-27 Single Center Review of Renal Transplant Outcomes in Recipients on Warfarin**  
Steven Kapeles, University of Michigan Medical School
- P-28 Clopidogrel Is Associated with Decreased Survival in Renal Transplant Recipients**  
Steven Kapeles, University of Michigan Medical School
- P-29 Renal Transplantation in Elderly Patients Older than 70 Years: Re-assessing the Risk at a Center**  
Irene Kim, Cedars-Sinai Medical School
- P-30 Does Insurance Type Influence Risk Assessment in Elderly Kidney Candidates?**  
Rupak Kulkarni, University of Florida
- P-31 KDPI Does Not Predict Early Readmission in Kidney Transplant**  
Cynthia Leaphart, University of Florida College of Medicine

- P-32 Impaired Endothelium Dependent Relaxation—a Proxy of Viability for Donation after Circulatory Death (DCD) Kidneys**  
Gwyn Lee, University of Leicester
- P-33 Cyclosporine A Induced Immediate Vasoconstriction Demonstrated During and Impaired Endothelium Dependent Relaxation Demonstrated after Reperfusion in a Porcine Donation after Circulatory Death (DCD) Model**  
Gwyn Lee, University of Leicester
- P-34 Associations of Pre-Transplant Narcotics Use with Death and Graft Loss after Kidney Transplantation**  
Krista Lentine, St. Louis University
- P-35 Measuring Utility and Fairness in Kidney Paired Donation (KPD)\*\***  
Wenhao Liu, Stanford University
- P-36 Long-term Outcomes among HIV-infected Kidney Transplant Recipients**  
Jayme Locke, University of Alabama
- P-38 Patterns of Hospital Admissions Before and After Renal Transplantation: Lessons for New Quality Paradigms**  
Raymond Lynch, Emory University
- P-39 Redefining Readmission in Renal Transplantation -- Variation in Resource Utilization and Outcome**  
Raymond Lynch, Emory University
- P-40 Frailty in Kidney Transplant Recipients of All Ages\*\***  
Mara McAdams-DeMarco, Johns Hopkins University
- P-42 Patterns and Sequelae of Early Hospital Readmission after Kidney Transplantation**  
Mara McAdams-DeMarco, Johns Hopkins University
- P-45 Maximizing Living Donor Transplants through National PKE Programs**  
Silke Niederhaus, University of Maryland Medical Center
- P-46 The Effects of Erratic Peri-operative Blood Pressures and Glucoses on Readmissions in Kidney Transplantation**  
John Odeghe, Medical University of South Carolina
- P-47 Sequelae of Concurrent Antibody- and Cell-Mediated Rejection Following Kidney Transplantation**  
Babak Orandi, Johns Hopkins University
- P-48 Virtual Microscopy Improves Sharing of Deceased Donor Kidneys\*\***  
Adena Osband, Rutgers University, Robert Wood Johnson Medical School
- P-49 Screening Colonoscopy Should Be Required for Kidney Transplant Listing**  
Paul Park, Western Reserve University School of Medicine
- P-50 Hypothermic Pump Perfusion Parameters in the Determination of Reversibility of Deceased Donor Renal Reperfusion Injury**  
Sunil Patel, University of Buffalo
- P-51 Preoperative Screening for Intracranial Aneurysms in Autosomal Dominant Polycystic Kidney Disease (ADPKD)**  
Madhukar Patel, Massachusetts General Hospital

- P-52 Retroactive Application of the KDRI System to Transplants Performed in ECD/SCD Era: A Single Center Analysis**  
Rajesh Ramanathan, Virginia Commonwealth University Medical Center
- P-53 Outcomes of Kidney Transplant Recipients with Bladder Dysfunction**  
Dushyanth Srinivasan, University of Michigan
- P-54 Increased Graft Loss in Obese Kidney Transplant Patients Is Limited to Older Recipients**  
Zoe Stewart, University of Iowa Organ Transplant Center
- P-55 The Majority of Living Kidney Donor Candidates Fail to Complete a Full Donor Evaluation: The University of Iowa Experience**  
Zoe Stewart, University of Iowa Organ Transplant Center
- P-56 Differences in Patient Survival among Sexagenarian and Septuagenarian Renal Transplant Recipients and Donors: The Context for Older Living Donors**  
Carrie Thiessen, Yale School of Medicine
- P-58 Protocol Based Induction Therapy Improves Rejection Rates, Complications, and Transplant Event Costs in Adult Kidney Transplant Recipients**  
Christopher Vandivort, Medical University of South Carolina
- P-59 Comparative Study of Laparoscopic and Mini-Incision Open Donor Nephrectomy**  
Kunal Yadav, University of Iowa Hospitals and Clinics
- P-60 Outcomes of Kidney Transplantation in HCV Seropositive Recipients: A Meta Analysis**  
Hillary Yaffe, Montefiore Medical Center Department of Surgery
- P-61 Hepatitis B Immunity among Patients Undergoing Kidney Transplant Evaluation**  
Vanessa Yeh, Case Western Reserve University School of Medicine and University Hospitals Case Medical Center
- Liver*
- P-62 Seasonal Variation in Liver Transplantation**  
Zachary Abecassis, Northwestern University
- P-64 Sorafenib Reduced Recurrence of Large Hepatocellular Carcinoma after Liver Transplantation**  
Emad Asham, The Methodist Hospital
- P-65 Prediction of Futility Following Liver Transplantation: A Blinded, Prospective Comparison of Risk-scoring Systems**  
Elaine Cheng, University of California, Los Angeles
- P-66 Failure to Rescue in Pediatric Liver Transplantation: A Potential QI Tool**  
Shannon Cramm, University of Michigan
- P-67 The Bloody Cost of High MELD Liver Transplant**  
Elika Derek, University of Southern California
- P-68 Liver Transplantation Outcomes among Patients with Inborn Errors of Metabolism: Worth the Risk?**  
Andre Dick, Seattle Children's Hospital
- P-69 Intra-Operative Hepatic Arterial Flow Predicts Hepatic Artery Complications after Deceased Donor Liver Transplantation**  
Hoylan Fernandez, Baylor University Medical Center

- P-70 Post-operative Cardiac Events, but Not Severity of Coronary Artery Disease, Is Associated with Worse Survival in Liver Transplant Recipients**  
Albert Flowers, Methodist University Transplant Institute
- P-71 Liver Transplantation for Hepatocellular Carcinoma: the Impact of the Donor Risk Index**  
Edson Franco, Tampa General Medical Group
- P-72 Bariatric Surgical Intervention in the Obese Pre-Liver Transplant Patient: Is it Justifiable?**  
Sherilyn Gordon Burroughs, Houston Methodist Hospital
- P-73 Alterations in Hippo Signaling Pathway during Liver Regeneration**  
James Grijalva, Boston Children's Hospital
- P-74 Reevaluating the Impact of Portal Vein Thrombosis on Liver Transplant Outcomes: A Ten Year Retrospective Analysis**  
Hishaam Ismael, Henry Ford Hospital
- P-75 The Effect of Social Support on Liver Transplant Outcomes**  
Kristy Kast, University Hospitals Case Medical Center
- P-76 Low Disease Recurrence Rates after Liver Transplantation (OLT) for Non-alcoholic Steatohepatitis (NASH)**  
Norio Kawamura, Cleveland Clinic
- P-77 Intraoperative Continuous Veno-Venous Hemofiltration Facilitates Liver Transplantation in Patients with Acute Renal Failure**  
Patrick Kelly, University of Maryland School of Medicine
- P-78 Long Term Incidence and Impact of Biliary Complications after Adult Right Lobe Living Donor Liver Transplantation\*\***  
Peter Kim, Baylor University Medical Center
- P-79 Hepatic Arterial Flow Predicts Biliary Complications and Survival in Liver Transplantation**  
Peter Kim, Baylor University Medical Center
- P-80 No Ischemic Cholangiopathy Following Liver Transplantation from DCD Donors: Implementation of Selective Organ Recovery Criteria and TPA Administration before Cold Perfusion\*\***  
Emad Kishi, Mount Sinai Medical Center
- P-81 Frailty, Trunk Muscle Size, and Pre-Liver Transplant Mortality**  
Lindsey Kolar, University of Michigan Medical School
- P-82 Improving Outcomes in Liver Transplantation from Donation after Circulatory Death**  
Adam Kressel, Ochsner Clinic Foundation
- P-83 Belatacept Is Safe and Effective Bridging Immunosuppression in Liver Transplant Recipients with Renal Dysfunction**  
John LaMattina, University of Maryland School of Medicine
- P-84 Paraspinous Muscle Area and Surgical Outcomes in Liver Transplantation**  
Christopher Lee, University of Michigan Healthy System
- P-85 Long-term Outcomes among HIV-infected Liver Transplant Recipients**  
Jayme Locke, University of Alabama at Birmingham

- P-86 Current Allocation Policy Does Not Account for Increased Risk of Death Following Sudden Rise in MELD**  
Allan Massie, Johns Hopkins School of Medicine
- P-87 Increased Risk of Extended Cold Ischemic Time in Nighttime Procurements**  
Lisa McElroy, Northwestern University Feinberg School of Medicine
- P-88 A Broad Assessment of Outcomes of Adult Liver Retransplantation in the MELD Era: Is It Time to Reconsider Its Indications?**  
Martin Montenovo, University of Washington
- P-89 The Clinical Impact of Hepatitis C-Positive Donors in Liver Transplantation: Patient Protection or Lost Opportunities?**  
Martin Montenovo, University of Washington
- P-90 Long-term Outcomes of Pediatric Liver Retransplantation in the PELD Era**  
Martin Montenovo, University of Washington
- P-91 Fate of the Biliary Tree after Hepatic Artery Lesions in OLT. Is it Time to Challenge the Current UNOS Policy for Re-transplantation?**  
Martin Montenovo, University of Washington
- P-92 Orthotopic Liver Transplantation (OLT) in Septuagenarians: A Single Center Experience**  
Bhuvana Muthuswamy, The Houston Methodist Hospital
- P-93 Leukocyte MMP-9 Mediates Fibrous Capsule Formation Following Hepatic Radiofrequency Ablation in Mice**  
Trevor Nydam, University of Colorado School of Medicine
- P-94 Survival Outcomes in Liver Transplant Recipients with MELD of 40 and Higher—a Decade Long Experience**  
Hinaben Panchal, Icahn School of Medicine at Mount Sinai
- P-95 Donor Administration of Cell Impermeants Rescue DCD Livers**  
Dan Parrish, Virginia Commonwealth University
- P-96 Impact of Hepatic Venous Cross-circulation in Fused Liver Separation**  
Rajesh Ramanathan, Virginia Commonwealth University Medical Center
- P-97 A Matched Pair Analysis of Multicenter Long-term Follow-up after Split Liver Transplantation with Extended Right Grafts**  
Mitchell Ross, University of Pittsburgh School of Medicine
- P-98 Predictors of Graft Nonfunction (GNF) Following Orthotopic Liver Transplantation: A Single-Center Analysis of 1519 Consecutive Transplants**  
Intiazuddin Shaik, University of California, Los Angeles
- P-99 Reduced Hepatitis B Immunoglobulin (HBIg) Role in the Era of Potent Nucleos(t)ide Analogues for Hepatitis B Virus (HBV) Prophylaxis**  
George Singer, Rush University Medical Center
- P-101 Abdominal Adiposity, Body Composition and Survival after Liver Transplantation**  
Michael Terjimanian, University of Michigan
- P-102 Living Donor Liver Transplant for HCC: A Proposal**  
Guiliano Testa, Baylor University Medical Center



- P-103 Sinusoidal Dilatation after Liver Transplant. A Predictor of HCV Recurrence?**  
Ioannia Theodoropoulos, Henry Ford Hospital
- P-104 Resolution of Acute Kidney Injury after Liver Transplantation: Single Center Experience**  
Tsuyoshi Todo, Stanford University School of Medicine
- P-105 Mortality and Failure to Rescue Following Liver Transplantation**  
Patrick Underwood, University of Michigan Medical School
- P-106 Risk of Recidivism and Long Term Outcome in Recipients of Liver Transplantation with Alcoholic Liver Disease**  
Jason Vanatta, Methodist University Transplant Institute
- P-107 Impact of Preexisting Diabetes Mellitus (DM) on Outcomes after Liver Transplantation in Recipient with NASH**  
Irum Zaheer, The Methodist Hospital
- P-108 A Rapid, Reproducible, Non-invasive Predictor of Liver Graft Utilization**  
Ali Zarrinpar, University of California, Los Angeles
- P-109 A Study on the Safety and Effectiveness of Everolimus in Liver Transplant Recipients for Pancreatic Neuroendocrine Tumors**  
Xu Zhao, University of Tennessee

*Other*

- P-111 A Retrospective Study of Early Post-Transplant Nosocomial Infections**  
Peter Dorschner, Northwestern University
- P-112 Comparative Analysis of the Donation and Transplant Project with the New Organic Law of Donation and Transplant of Organs, Tissues and Cells in Ecuador**  
Sergio Enderica-Gonzalez, Universidad San Francisco de Quito
- P-113 Graft Outcomes Following Pregnancy in Transplant Recipients**  
Allison Janda, University of Michigan Medical School
- P-114 Increased Frequency of Gut-homing CCR6high CD4+ Memory T Cells in Human Intestinal Transplantation**  
Hiroto Kayashima, Cleveland Clinic
- P-115 Role of Control of Inflammation in Islet Engraftment after Total Pancreatectomy and Islet Transplantation for Chronic Pancreatitis**  
Peter Kim, Baylor University Medical Center
- P-117 The Proteomic Signature of Murine Intestinal Allograft Rejection**  
Mihai Oltean, Sahlgrenska University Hospital
- P-118 Implications of Solid Organ Transplantation on Fertility, Pregnancy Complications, and Prenatal Counseling**  
Devon Rupley, University of Michigan Medical School
- P-119 Mesenchymal Stem Cells Enhance Bone Marrow Engraftment and Induce Immunological Tolerance**  
Reza Saidi, Brown University

Pancreas

- P-120 Mitigation of Racial Disparities in Outcomes after Simultaneous Pancreas and Kidney Transplantation\*\***  
Jayme Locke, University of Alabama at Birmingham
- P-121 Pancreas Transplant Salvage after Leak: Is it worth it?**  
Kasi McCune, University of Wisconsin
- P-122 Pancreas Transplantation from Donors after Cardiac Death: An Update of the UNOS Database\*\***  
Eric Siskind, North Shore Long Island Jewish Health System
- P-123 Pancreas Transplantation Outcomes Differ Based on Age Groupings: An Analysis of the UNOS Database**  
Eric Siskind, North Shore Long Island Jewish Health System
- P-124 Patients with Prior Pancreas Transplants Fare Worse Following Kidney Allograft Failure**  
Kenneth Woodside, Case Western Reserve University and University Hospitals



## American Society of Transplant Surgeons

Schedule-at-a-Glance  
Saturday, January 25, 2014

<b>7:00 a.m. – 5:00 p.m.</b>	<b>Registration Open</b> <i>Rotunda East Ballroom, Level 2</i>
<b>6:30 – 7:25 a.m.</b>	<b>Continental Breakfast</b> <i>Americana Salon 3, Level 2</i>
<b>6:30 – 10:00 a.m.</b>	<b>Exhibit &amp; Poster Hall Open</b> <i>Americana Salon 1, 2, and 3, Level 2</i>
<b>7:30 – 9:30 a.m.</b>	<b>Challenging Case Presentations &amp; Panels: Liver, Kidney, &amp; Pancreas Cases</b> <i>Americana Salon 4, Level 2</i>
<b>9:30 – 9:45 a.m.</b>	<b>Break</b> <i>Americana Salon 3, Level 2</i>
<b>9:45 – 10:00 a.m.</b>	<b>Mentorship, Vanguard, and Advanced Transplant Provider Recognition Award Ceremony</b> <i>Americana Salon 4, Level 2</i>
<b>10:00 – 10:30 a.m.</b>	<b>Presidential Address</b> <i>Americana Salon 4, Level 2</i>
<b>10:30 – 11:15 a.m.</b>	<b>TED Format</b> <i>Americana Salon 4, Level 2</i>
<b>11:15 a.m. – 12:45 p.m.</b>	<b>Oral Abstract Session I</b> <i>Americana Salon 4, Level 2</i>
<b>1:00 – 2:45 p.m.</b>	<b>Lunch &amp; Learn Session</b> <i>Poinciana Rooms 1, 2, and 3, Level 2</i>
<b>1:00 – 4:00 p.m.</b>	<b>Education Workshop</b> <i>Poinciana 4, Level 2</i>
<b>6:00 – 7:00 p.m.</b>	<b>40<sup>th</sup> Anniversary Gala Cocktail Reception</b> <i>Americana Lawn</i>
<b>7:00 – 11:00 p.m.</b>	<b>40<sup>th</sup> Anniversary Gala Dinner &amp; Dancing</b> <i>Americana Salon 1, 2, and 3, Level 2</i>

**State of the Art Winter Symposium: Meeting the Challenges of Innovation**  
*Americana Salon 4, Level 2*

**6:30 – 7:25 a.m.**                    **Breakfast**  
*Americana Salon 3, Level 2*

**7:25 – 7:30 a.m.**                    **Welcome**  
Steve I. Hanish, MD  
*University of Maryland*

**7:30 – 8:30 a.m.**  
**Challenging Case Presentation & Panel: Liver/HPB/General Surgery Cases**  
Moderator:  
Steve I. Hanish, MD  
University of Maryland

Panel:  
MB Majella Doyle, MD, MBA  
Julie K. Heimbach, MD  
Charles M. Miller, MD

**8:30 – 9:30 a.m.**  
**Challenging Case Presentation & Panel: Kidney/Pancreas**  
Moderator:  
Alexander T. Maskin, MD  
*University of Nebraska*

Panel:  
Jonathan A. Fridell, MD, FACS  
Michael J. Goldstein, MD  
Dixon Kaufman, MD, PhD

**9:30 – 9:45 a.m.**                    **Break**  
*Americana Salon 3, Level 2*

**9:45 – 10:00 a.m.**                    **Mentorship, Vanguard, and Advanced Transplant Provider  
Recognition Award Ceremony**  
Alan N. Langnas, DO  
*University of Nebraska Medical Center*

**10:00 – 10:30 a.m.**                    **Presidential Address**  
Alan N. Langnas, DO  
*University of Nebraska Medical Center*

## **TED Format**

Moderators:

Alan N. Langnas, DO

*University of Nebraska Medical Center*

Michael J. Englesbe, MD

*University of Michigan*

**10:30 – 11:15 a.m.**

### **Donor Management**

Peter I. Abt, MD

*Henry Ford Hospital Transplant Institute*

### **Math**

Sommer E. Gentry, PhD

*United States Naval Academy*

### **Development/Institution**

Carlos O. Esquivel, MD, PhD

*Stanford School of Medicine*

### **Science**

Jonathan S. Bromberg, MD, PhD

*University of Maryland*

### **Legislative**

Gregory J. McKenna, MD

*Baylor University Medical Center*

### **Pipeline**

Jacqueline Garonzik-Wang, MD, PhD

*Johns Hopkins University*

## **Oral Abstract Session I**

Moderators:

Alan N. Langnas, DO

*University of Nebraska Medical Center*

Michael J. Englesbe, MD

*University of Michigan*

**11:15 – 11:27 a.m.**

### **Hospital Characteristics Associated with High Costs in Kidney Transplantation**

Amit K. Mathur, MD, MS

*University of Michigan*

**11:27 – 11:39 a.m.**

### **Tissue Engineered Human Liver Grafts**

Basak E. Uygun, PhD

*Massachusetts General Hospital*

- 11:39 – 11:51 a.m.**                    **Towards Targeted Drug Delivery in Transplantation: Use of Immunosuppressant Nanoparticle Therapy**  
Satish N. Nadig, MD, PhD  
*Medical University of South Carolina*
- 11:51 a.m. – 12:03 p.m.**            **The Survival Benefit of 25 Years of Solid Organ Transplantation in the United States**  
Abbas Rana, MD  
*University of Arizona*
- 12:03 – 12:15 p.m.**                   **Induction of CD39 and CD73 During Human Liver Transplantation Correlates to Ischemic Liver Injury in Knockout Mice**  
Michael A. Zimmerman, MD  
*University of Colorado*
- 12:15 – 12:27 p.m.**                   **Effect of HCV Co-infection in Kidney Transplant Recipients with HIV**  
Yu Xia, MD  
*Albert Einstein College of Medicine, Montefiore Medical Center*
- 12:27 – 12:39 p.m.**                   **Thrombolytic Protocol Minimizes Ischemic-Type Biliary Complications in Liver Transplantation from Donation-After-Cardiac Death Donors**  
John B. Seal, MD  
*University of Toronto*
- Lunch & Learn Session**  
*Poinciana 1, 2, & 3, Level 2*  
Moderator:  
Michael J. Englesbe, MD  
*University of Michigan*  
Daniela P. Ladner, MD  
*Northwestern University Feinberg School of Medicine*
- 1:00 – 1:10 p.m.**                    **Hepatocellular Carcinoma: The Latest Innovations in Treatment Options and Outcomes**  
Mark W. Burns, DNP, FNP  
*Mayo Clinic, Arizona*
- 1:10 – 1:20 p.m.**                    **Trans-SAP Maintenance of Certification (MOC) Part 2: Lifelong Learning and Self-Assessment Program for Transplant Surgeons**  
Richard J. Knight, MD  
*Houston Methodist Hospital*
- 1:20 – 1:30 p.m.**                    **RAPID: Real-time Analytics and Process Improvement Dashboard; Tracking Your Center's Results**  
William C. Chapman, MD  
*Washington University in St. Louis*

- 1:30 – 1:40 p.m.**                    **Progress Toward a Framework to Conduct Donor Intervention Trials**  
Christopher C. Marsh, MD  
*Scripps Clinic & Green Hospital*
- 1:40 – 1:50 p.m.**                    **Balancing Risk for Patient and Institution**  
Doug W. Hanto, MD  
*Washington University in St. Louis*
- 1:50 – 2:00 p.m.**                    **Strategies for Writing a Competitive Foundation Research Award Proposal**  
David P. Foley, MD  
*University of Wisconsin*
- Dorry L. Segev, MD, PhD  
*Johns Hopkins University*
- 2:00 – 2:10 p.m.**                    **ASTS Fellowship Training – Where Are We Going?**  
Wendy J. Grant, MD  
*University of Nebraska Medical Center*
- 2:10 – 2:20 p.m.**                    **OMG Should I Really Take This Organ?: Risk Assessment for Disease Transmission in the Middle of the Night**  
Timothy L. Pruett, MD  
*University of Minnesota*
- 2:20 – 2:30 p.m.**                    **Innovation within Government Agencies**

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**Education Workshop: Innovation in Education for Transplant Surgeons**

*Poinciana 4, Level 2*

Moderator:

Wendy J. Grant, MD

*University of Nebraska Medical Center*

**1:00 – 1:05 p.m.**

**Introduction**

Wendy J. Grant, MD

*University of Nebraska Medical Center*

**1:05 – 1:50 p.m.**

**Innovative Ways to Engage Medical Students**

**Research Pipelines, Optimizing Exposure, Education as Part of the Academic Career**

Wendy J. Grant, MD

*University of Nebraska Medical Center*

Michael J. Englesbe, MD

*University of Michigan*

**1:50 – 2:35 p.m.**

**Fellow Evaluation and Education**

**Milestones, Evaluation and Remediation, Feedback in the Unique Fellow Environment**

Ryutaro Hirose, MD  
*University of California, San Francisco*

Jonathan P. Fryer, MD  
*Northwestern University*

**2:35 – 4:05 p.m.**

**Innovations in Education**

**Understanding Generational Characteristics, Academic Success through Education, Optimizing Your Teaching Environment**

Paul J. Schenarts, MD  
*University of Nebraska Medical Center*

Kim D. Schenarts, PhD  
*University of Nebraska Medical Center*

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**3:00 – 4:00 p.m.**

**Grant Review Workshop**

*Americana Foyer, Level 2*

The Grant Review Workshop is hosted by the Grant Review Committee

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**6:00 – 7:00 p.m.**

**40<sup>th</sup> Anniversary Gala Cocktail Reception**

*Americana Lawn*

**7:00 – 9:00 p.m.**

**40<sup>th</sup> Anniversary Gala Dinner**

*Americana Salon 1, 2, and 3, Level 2*

**9:00 – 11:00 p.m.**

**Dancing**

*Americana Salon 1, 2, and 3, Level 3*





**Schedule-at-a-Glance**  
**Sunday, January 26, 2014**

<b>7:00 a.m. – 1:00 p.m.</b>	<b>Registration Open</b> <i>Rotunda East Ballroom, Level 2</i>
<b>7:00 – 8:00 a.m.</b>	<b>Continental Breakfast</b> <i>Americana Foyer, Level 2</i>
<b>8:00 – 9:00 a.m.</b>	<b>Video Abstract Session</b> <i>Americana Salon 4, Level 2</i>
<b>9:00 – 10:00 a.m.</b>	<b>Young Innovators</b> <i>Americana Salon 4, Level 2</i>
<b>10:00 – 11:30 a.m.</b>	<b>Oral Abstract Session II</b> <i>Americana Salon 4, Level 2</i>
<b>11:30 – 11:45 a.m.</b>	<b>Break</b> <i>Americana Foyer, Level 2</i>
<b>11:45 a.m. – 12:15 p.m.</b>	<b>Top 10 – AJT 2013!</b> <i>Americana Salon 4, Level 2</i>
<b>12:15 – 1:00 p.m.</b>	<b>Around the Horn: Train Great – Less Fellows?</b> <i>Americana Salon 4, Level 2</i>

**State of the Art Winter Symposium: Meeting the Challenges of Innovation**

*Americana Salon 4, Level 2*

**7:00 – 8:00 a.m.**

**Breakfast**

*Americana Foyer, Level 2*

**Video Abstract Session**

Moderators:

Mitchell L. Henry, MD

*The Ohio State University*

Joseph F. Magliocca, MD

*Emory University School of Medicine*

**8:00 – 8:10 a.m.**

**Laparoscopic Left Hepatectomy for Adult Living Donor Liver Transplantation**

Benjamin Samstein, MD

*New York Presbyterian Hospital, Columbia University Medical Center*

**8:10 – 8:20 a.m.**

**cEMS and Esophageal Exclusion Technique for Esophageal Leak in Patient with Cirrhosis**

Stephanie Yi, MD, MS

*The Methodist Hospital – Houston*

**8:20 – 8:30 a.m.**

**Kidney Bioscaffold Transplantation on Rat Model**

Andrea Peloso, MD

*University of Pavia, Wake Forest School of Medicine*

**8:30 – 8:40 a.m.**

**Technical Considerations in Pediatric Kidney Transplantation**

Amit K. Mathur, MD, MS

*University of Michigan*

**8:40 – 8:50 a.m.**

**Utility of Google Glass in Operating Room to Record, Upload & Teach**

MB Majella Doyle, MD

*Washington University School of Medicine, St. Louis*

**8:50 – 9:00 a.m.**

**Living Donor Hepatectomy: Right Posterior Hepatectomy**

John B. Seal, MD

*University of Toronto*

## **Young Innovators**

Moderators:

James F. Markmann, MD, PhD

*Massachusetts General Hospital*

Zoe A. Stewart, MD, PhD

*University of Iowa Hospitals and Clinics*

**9:00 – 9:10 a.m.**

### **Tissue Engineering**

Jason A. Wertheim, MD, PhD

*Northwestern University*

**9:10 – 9:20 a.m.**

### **Ischemia**

Matthew H. Levine, MD, PhD

*University of Pennsylvania*

**9:20 – 9:30 a.m.**

### **Xeno Transplant**

Parsia A. Vagefi, MD

*Massachusetts General Hospital, Harvard Medical School*

**9:30 – 9:40 a.m.**

### **Donation after Cardiac Death**

Anton I. Skaro, MD, PhD

*Northwestern University Feinberg School of Medicine*

**9:40 – 9:50 a.m.**

### **Hepatocellular Carcinoma Profiling**

Christopher T. Barry, MD, PhD

*University of Rochester*

**9:50 – 10:00 a.m.**

### **Kidney Pre-Treatment**

Alp Sener, MD, PhD

*University of Western Ontario*

## **Oral Abstract Session II**

Moderators:

Peter G. Stock, MD, PhD

*University of California, San Francisco*

Parsia A. Vagefi, MD

*Massachusetts General Hospital, Harvard Medical School*

**10:00 – 10:12 a.m.**

### **Risk of End Stage Renal Disease Attributable to Live Kidney Donation**

Abimerek D. Muzaale, MD, MPH

*Johns Hopkins University*

**10:12 – 10:24 a.m.**

### **Hypothermic Machine Preservation for Liver Transplantation Improves Efficiency: Cost Analysis of the Phase 1 Trial**

Yael J. Coppleson, MPH

*New York Presbyterian Hospital, Columbia University Medical Center*

- 10:24 – 10:36 a.m.**                    **Co-Culture Promotes Differentiation of Human Induced Pluripotent Stem Cells into Functional Hepatocyte-Like Cells**  
Rajesh Ramanathan, MD  
*Virginia Commonwealth University Medical Center*
- 10:36– 10:48 a.m.**                    **Quantifying the Risk of Incompatible Kidney Transplantation: A Multi-Center Study**  
Babak J. Orandi, MD, MSc  
*Johns Hopkins University*
- 10:48 – 11:00 a.m.**                    **Clinical Transplantation of Tissue-Engineered Veinscaffolds from Allogeneic Donors**  
Michael Olausson, MD, PhD  
*Sahlgrenska Academy*
- 11:00 – 11:12 a.m.**                    **Return on Investment of Financial Assistance for Living Donors: Analysis of 3639 National Living Donor Assistance Center Program Participants**  
Amit K. Mathur, MD, MS  
*University of Michigan*
- 11:12 – 11:24 a.m.**                    **Longitudinal Health-Related Quality of Life, Pain, and Activity in Kidney Donors**  
Leigh Anne Dageforde, MD, MPH  
*Vanderbilt University Medical Center*
- 11:30 – 11:45 a.m.**                    **Break**  
*Americana Foyer, Level 2*
- Top 10 – AJT 2013!**  
Moderators:  
Douglas G. Farmer, MD  
*Ronald Reagan UCLA Medical Center*  
Michael J. Englesbe, MD  
*University of Michigan*
- 11:45 a.m. – 12:00 p.m.**                    **Basic Science Top 10 AJT Papers of 2013**  
James F. Markmann, MD, PhD  
*Massachusetts General Hospital*
- 12:00 – 12:15 p.m.**                    **Clinical Science Top 10 AJT Papers of 2013**  
Dorry L. Segev, MD, PhD  
*Johns Hopkins University*

**Around the Horn: Train Great – Less Fellows?**

Moderator:

Dorry L. Segev, MD, PhD

*Johns Hopkins University*

Judge:

Alan N. Langnas, DO

*University of Nebraska Medical Center*

**12:15 – 1:00 p.m.**

Wendy J. Grant, MD

*University of Nebraska Medical Center*

Felicitas Koller, MD

*Northwestern Memorial Hospital*

Charles M. Miller, MD

*Cleveland Clinic Foundation*

Ryutaro Hirose, MD

*University of California, San Francisco*

Susan L. Orloff, MD, FACS

*Oregon Health & Science University*

Abraham Shaked, MD, PhD

*University of Pennsylvania*

Karim J. Halazun, MD

*Emory University*