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Saturday, May 2, 2015

**1:00 pm – 5:30 pm**

Pre-Meeting Symposia

ADVANCED IMMUNOLOGY UPDATES FOR BASIC AND CLINICAL SCIENTISTS

Moderators: Anita Chong, MD, University of Chicago, Chicago, IL, USA and Marisa Alegre, MD, PhD, University of Chicago, G. Knapp Center for Lupus & Immun. Research, Chicago, IL, USA

- |                   |                                                                                                                                                  |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 1:00 pm – 1:30 pm | Update on Innate Immunity in Transplantation<br>Paolo Cravedi, MD<br>Ichan School of Medicine at Mt. Sinai<br>New York, NY, USA                  |
| 1:30 pm – 2:00 pm | Update on T Cell Development and Function<br>Leonardo Riella, MD, PhD<br>Brigham and Women's Hospital Harvard University<br>Boston, MA, USA      |
| 2:00 pm – 2:30 pm | Update on B Cell Development<br>Geetha Chalasni, MD<br>Thomas E. Starzl Transplant Institute<br>Pittsburgh, PA, USA                              |
| 2:30 pm – 3:00 pm | Update on Tregs<br>Qhizi Tang, PhD<br>University of California San Francisco<br>San Francisco, CA, USA                                           |
| 3:00 pm – 3:15 pm | Coffee Break                                                                                                                                     |
| 3:15 pm – 3:45 pm | Update on Bregs<br>David Rothstein, MD<br>Thomas E Starzl Transplant Institute<br>University of Pittsburgh Medical Center<br>Pittsburgh, PA, USA |
| 3:45 pm – 4:15 pm | Update on T Cell Memory<br>Jonathan Maltzman, MD<br>University of Pennsylvania                                                                   |

Philadelphia, PA, USA

4:15 pm – 4:45 pm Top 10 Immunology Papers of the Year  
Marisa Alegre, MD, PhD  
University of Chicago  
G. Knapp Center for Lupus & Immun. Research  
Chicago, IL, USA

and

Anita Chong, MD  
University of Chicago  
Chicago, IL, USA

### BASIC IMMUNOLOGY AND TRANSPLANT IMMUNOLOGY FOR THE CLINICIAN

Moderators: Robert Gaston, MD, University of Alabama at Birmingham, Birmingham, AL, USA and Stefan Tullius, MD, PhD, Brigham & Womens Hospital, Harvard Medical School, Boston, MA, USA

1:00 pm – 1:30 pm Overview – What Does an Immune Response Look Like, Start to Finish  
Robert Fairchild, PhD  
Cleveland Clinic Foundation  
Cleveland, OH, USA

1:30 pm – 2:00 pm Innate Immunity and Its Role in Graft Rejection  
Andrew Gelman, PhD  
Washington University School of Medicine  
St. Louis, MO, USA

2:00 pm – 2:30 pm Development and Detection of Donor-Reactive T Cell Responses  
Melissa Yeung, MD, FRCPC  
Brigham & Women's Hospital/Harvard Medical School  
Boston, MA, USA

2:30 pm – 3:00 pm Cell Mediated Rejection: Effector Mechanisms in Graft Injury  
Jonathan Bromberg, MD  
University of Maryland School of Medicine  
Baltimore, MD, USA

3:00 pm – 3:15 pm Coffee Break

3:15 pm – 3:45 pm B Cells and Antibody Mediated Effector Mechanisms in Graft Injury  
William Baldwin, MD, PhD  
Cleveland Clinic  
Cleveland, OH, USA

3:45 pm – 4:15 pm T Cell and B Cell Targeted Immunosuppression in Transplantation  
Roslyn Mannon, MD

University of Alabama at Birmingham  
Birmingham, AL, USA

4:15 pm – 4:45 pm      Impact of Immunological Memory on Graft Outcome  
Andrew Adams, MD  
Emory University School of Medicine  
Atlanta, GA, USA

4:45 pm – 5:15 pm      Designing and Implementing Tolerance Strategies for Clinical Transplantation  
Sandy Feng, MD, PhD  
University of California San Francisco  
San Francisco, CA, USA

## MEDICAL CARE OF THE KIDNEY TRANSPLANT RECIPIENT

### *KEEPING THE KIDNEY RECIPIENT ALIVE*

Moderators: Gabriel Danovitch, MD, David Geffen School of Medicine at UCLA, Los Angeles, CA, USA and  
Michelle Josephson, MD, University of Chicago, Chicago, IL, USA

1:00 pm – 1:25 pm      Skin Cancer: Should Immunosuppression Be Altered?  
Germaine Wong, MBBS, PhD  
University of Sydney Medical School  
Sydney, Australia

1:25 pm – 1:50 pm      New Onset Diabetes after Transplantation: Can This Be Prevented?  
Harini Chalkkera, MD, MPH  
Mayo Clinic Arizona  
Phoenix, AZ, USA

1:50 pm – 2:15 pm      New KDIGO Lipid Guidelines: Should These Be Applied to Our Transplant  
Patients?  
Christoph Wanner, MD  
University of Medicine  
Wuerzburg, Germany

2:15 pm – 2:40 pm      CMV: What is Optimal Treatment of CMV in 2015?  
Kevin Gregg, MD  
University of Michigan  
Ann Arbor, MI, USA

2:40 pm – 3:05 pm      Recurrent UTI: Is Surgical Management Preferred Over Medical Therapy?  
John Stoffel, MD  
University of Michigan School of Medicine  
Ann Arbor, MI, USA

3:05 pm – 3:15 pm      Coffee Break



### *KEEPING KIDNEY ALLOGRAFT ALIVE*

Moderators: Joseph Kim, MD, PhD, Toronto General Hospital, Toronto, ON, Canada and Bertram Kasiske, MD, Hennepin County Medical Center, Minneapolis, MN, USA

- 3:15 pm – 3:45 pm      Chronic AMR: Should This Diagnosis Alter Therapy?  
Kathryn Tinckam, MD  
University Health Network  
Toronto, ON, Canada
- 3:45 pm – 4:15 pm      eGFR Measurement: Is This Really Better than Serum Creatinine for Assessing Renal Function?  
Andrew Rule, MD  
Mayo Clinic  
Rochester, MN, USA
- 4:15 pm – 4:45 pm      BK Virus Nephropathy: Are We Making Any Progress with Therapy?  
Parmjeet Randhawa, MD  
University of Pittsburgh Medical Center  
Pittsburgh, PA, USA
- 4:45 pm – 5:15 pm      Recurrent Glomerulonephritis: What Therapies Are Effective?  
Christopher Blosser, MD  
University of Washington  
Seattle, WA, USA

### *MOVING FORWARD IN QUALITY AND OUTCOMES: A TEAM APPROACH*

#### *SESSION ONE*

Moderators: Marian O'Rourke, RN, CCTC, Jackson Memorial Hospital, Miami, FL, USA and Laura Stillion, MHA, FACHE, The Ohio State University Wexner Medical Center, Columbus, OH, USA

- 1:00 pm – 1:05 pm      Introductory Remarks  
Marian O'Rourke, RN, CCTC  
Jackson Memorial Hospital  
Miami, FL, USA
- 1:05 pm – 1:45 pm      Transplantation, The First Government Takeover of Healthcare?  
John Lake, MD  
University of Minnesota Medical School  
Minneapolis, MN, USA
- 1:45 pm – 2:30 pm      Developing an Effective QAPI Program  
Jennie Perryman, RN, PhD  
Emory University Hospital  
Atlanta, GA, USA

2:30 pm – 3:30 pm      Managing and Analyzing Data  
Jesse Schold, PhD  
Cleveland Clinic Foundation  
Cleveland, OH, USA

3:30 pm – 3:45 pm      Coffee Break

### *SESSION TWO*

Moderators: Angelina Korsun, RN, MS, University of Iowa Hospital and Clinics, Iowa City, IA, USA and Betty Crandall, MS, RN, Wake Forest Baptist Medical Center Transplant, Winston-Salem, NC, USA

3:45 pm – 4:30 pm      Keeping Ahead of SRTR Program Specific Reports  
Brigitte Sullivan, MBA  
The Johns Hopkins Comprehensive Transplant Center  
Baltimore, MD, USA

4:30 pm – 5:15 pm      More Than You Want to Know About CUSUM and Bayesian Models  
Dorry Segev, MD, PhD  
Johns Hopkins University Department of Surgery  
Baltimore, MD, USA

5:15 pm – 5:30 pm      Panel Discussion

5:30 pm                  Closing Remarks

### *CURRENT CHALLENGES IN HPB AND LIVER TRANSPLANT SURGERY*

1:00 pm – 1:05 pm      Introduction  
William Chapman, MD  
Washington University in St. Louis  
St. Louis, MO, USA

### *STRATEGIES FOR MANAGEMENT OF HCC*

Moderators: Chris Sonnenday, MD, MHS, University of Michigan, Ann Arbor, MI, USA and Majella Doyle, MD, Washington University, St. Louis, MO, USA

1:05 pm – 1:25 pm      Current Methods and Program Requirements for Downstaging: Does it Matter?  
Francis Yao, MD  
University of California San Francisco  
San Francisco, CA, USA

1:25 pm – 1:45 pm      Resection vs. Transplantation for HCC  
Alan Hemming, MD  
University of California, San Diego  
Department of Surgery

San Diego, CA, USA

- 1:45 pm – 2:05 pm      Resection with Salvage Transplantation Should Be Our Preferred Approach for HCC  
Myron Schwartz, MD  
Ichan School of Medicine at Mt. Sinai  
New York, NY, USA
- 2:05 pm – 2:30 pm      Liver Donor OLT for HCC Beyond Milan: What are the Limits?  
Laura Kulik, MD  
Northwestern University  
Chicago, IL, USA
- 2:30 pm – 3:00 pm      Case Presentations
- 3:00 pm – 3:20 pm      Coffee Break

*CHOLANGIOCARCINOMA AND METASTATIC NEUROENDOCRINE CANCER – WHERE ARE WE IN 2015?*

Moderators: Christopher Anderson, MD, University of Mississippi Medical Center, Jackson, MS, USA and Devin Eckhoff, MD, University of Alabama at Birmingham, Birmingham, AL, USA

- 3:20 pm – 3:40 pm      Liver Transplantation for Hilar Cholangiocarcinoma  
Charles Rosen, MD  
Mayo Clinic  
Rochester, MN, USA
- 3:40 pm – 4:00 pm      Liver Resection for Hilar Cholangiocarcinoma  
Ian McGilvray, MD  
University of Toronto  
Toronto, ON, Canada
- 4:00 pm – 4:20 pm      Management of Borderline Resectable Intrahepatic Cholangiocarcinoma  
William Chapman, MD  
Washington University in St. Louis  
St. Louis, MO, USA
- 4:20 pm – 4:40 pm      Liver Transplantation for Metastatic Neuroendocrine Cancer  
Jan Lerut, MD, PhD  
University Hospitals St. Luc  
Brussels, Belgium
- 4:40 pm – 5:00 pm      Case Presentations

## EXCITING UPDATES IN TRANSPLANT ID: CASE-BASED LEARNING

### *PREPARING FOR TRANSPLANT/PERITRANSPLANT PERIOD*

Moderators: Emily Blumberg, MD, Hospital of the University of Pennsylvania, Philadelphia, PA, USA and Angela Caliendo, MD, PhD, Brown University, Providence, RI, USA

- 1:00 pm – 1:20 pm      Crossing Muddy Waters: VAD Infections  
Shirish Huprikar, MD  
Icahn School of Medicine at Mt. Sinai  
New York, NY, USA
- 1:20 pm – 1:40 pm      Lurking Red Snappers: Latent TB  
Michelle Morris, MD  
University of Miami Miller School of Medicine  
Miami, FL, USA
- 1:40 pm – 2:00 pm      Safely Expanding the Donor Pool  
Daniel Kaul, MD  
University of Michigan  
Ann Arbor, MI, USA

### *VIRUSES: THE ACHILLES HEEL AFTER TRANSPLANT*

Moderators: Michelle Morris, MD, University of Miami Miller School of Medicine, Miami, FL, USA and Raymund Razonable, MD, Mayo Clinic College of Medicine, Rochester, MN, USA

- 2:00 pm – 2:20 pm      Advances in CMV  
Camille Kotton, MD  
Massachusetts General Hospital  
Infectious Diseases Division  
Boston, MA, USA
- 2:20 pm – 2:40 pm      Prevention and Treatment of PTLD  
Michael Green, MD, MPH  
Children's Hospital of Pittsburgh  
Pittsburgh, PA, USA
- 2:40 pm – 3:00 pm      Crossing the HOPE Frontier: HIV and Transplantation  
Emily Blumberg, MD  
Hospital of the University of Pennsylvania  
Philadelphia, PA, USA
- 3:00 pm – 3:20 pm      Less Famous Viruses: JC, Adenovirus, HHV6, Parvovirus  
Raymund Razonable, MD  
Mayo Clinic College of Medicine  
Rochester, MN, USA
- 3:20 pm – 3:40 pm      Coffee Break

### *WHAT ENQUIRING MINDS WANT TO KNOW*

Moderators: Daniel Kaul, MD, University of Michigan, Ann Arbor, MI, USA and Michael Green, MD, MPH, Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

- 3:40 pm – 4:00 pm      MDR Organisms, Antibiotic Stewardship and Infection Control  
Lillian Abbo, MD  
University of Miami Miller School of Medicine  
Miami, FL, USA
- 4:00 pm – 4:20 pm      Antifungal Prophylaxis in SOT  
Barbara Alexander, MD, MHS  
Duke University  
Durham, NC, USA
- 4:20 pm – 4:40 pm      Vaccination of the Adult Transplant Recipient  
Deepali Kumar, MD, MSc  
University Health Network  
Toronto, ON, Canada
- 4:40 pm – 5:00 pm      Transplant ID Diagnostic Pearls Every Clinician Should Know  
Angela Caliendo, MD, PhD  
Brown University  
Providence, RI, USA

### *ON YOUR TOES: RAPID FIRE CASES*

- 5:00 pm – 5:30 pm      Rapid Fire Cases  
Deepali Kumar, MD, MSc  
University Health Network  
Toronto, ON, Canada
- Shirish Huprikar, MD  
Icahn School of Medicine at Mt. Sinai  
New York, NY, USA
- Camille Kotton, MD  
Massachusetts General Hospital  
Infectious Diseases Division  
Boston, MA, USA

### *IMMUNE MONITORING IN THORACIC ORGAN TRANSPLANTATION*

#### *METHODS AND MECHANISMS*

Moderators: Jeffrey Teuteberg, MD, University of Pittsburgh, Pittsburgh, PA, USA and Cynthia Gries, MD, MSc, University of Pittsburgh, Pittsburgh, PA, USA

- 1:00 pm – 1:30 pm      Mechanisms of Rejection in Solid Organ Transplantation  
Stanley Jordan, MD  
Cedars Sinai Medical Center  
Los Angeles, CA, USA
- 1:30 pm – 2:00 pm      Blood Biomarkers for the Detection of Rejection in Transplant Recipients  
Bruce McManus, MD  
St. Paul's Hospital  
Vancouver, BC, Canada
- 2:00 pm – 2:30 pm      Cellular and Molecular Mechanisms of Tolerance  
James Allan, MD  
Massachusetts General Hospital  
Marblehead, MA, USA
- 2:30 pm – 3:00 pm      Significance of Circulating Antibodies in Immune Monitoring  
Monica Colvin, MD, MS  
University of Minnesota  
Minneapolis, MN, USA
- 3:00 pm – 3:20 pm      Coffee Break

#### *CLINICAL APPLICATIONS*

Moderators: Howard Eisen, MD, Drexel University College of Medicine, Philadelphia, PA, USA and Ed Garrity, MD, The University of Chicago, Chicago, IL, USA

- 3:20 pm – 3:50 pm      Current Immune Monitoring in Heart Transplantation: Allomap, ImmuneKnow, Others (BNP, CRP, Troponin) – Advantages and Limitations  
Jon Kobashigawa, MD  
Cedars Sinai Heart Institute  
Los Angeles, CA, USA
- 3:50 pm – 4:20 pm      Current Immune Monitoring in Lung Transplantation  
Sangeeta Bhorade, MD  
Northwestern Memorial Hospital  
Chicago, IL, USA
- 4:20 pm – 4:50 pm      The Future is Now in Immune Monitoring after Heart Transplantation: The Clinical Use of Cell-Free DNA and mRNA  
Michael Pham, MD, MPH  
Stanford Health Care  
Stanford, CA, USA
- 4:50 pm – 5:20 pm      The Future of Immune Monitoring in Lung Transplantation  
Joseph Pilewski, MD  
University of Pittsburgh  
Pittsburgh, PA, USA

## Opening of Exhibits

5:30 pm - 7:30 pm

## Poster Session A

5:30 pm - 7:30 pm

## Sunday, May 3, 2015

### Sunrise Symposia

7:00 am – 8:15 am

#### ANTIBODY-MEDIATED REJECTION IN LIVER TRANSPLANTATION: WHAT WE KNOW AND WHERE WE'RE GOING

Moderators: M. Isabel Fiel, MD, Ichan School of Medicine at Mt. Sinai, New York, NY USA and Abraham Shaked, MD, The Hospital of the University of Pennsylvania, Philadelphia, PA, USA

- |                   |                                                                                                                                                    |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 7:00 am – 7:25 am | AMR: What We Know from Other Solid Organ Transplants<br>Vinay Nair, DO<br>Ichan School of Medicine at Mt. Sinai<br>New York, NY, USA               |
| 7:25 am – 7:50 am | The Pathological Spectrum of AMR in Liver Transplantation: C4D and Beyond<br>Anthony Jake Demetris, MD<br>UPMC – Montefiore<br>Pittsburgh, PA, USA |
| 7:50 am – 8:15 am | Prevention and Treatment of AMR in Liver Transplantation<br>Jacqueline O'Leary, MD<br>Baylor University Medical School<br>Dallas, TX, USA          |

#### BEST PRACTICES TO OPTIMIZE HEALTHCARE INFORMATION TECHNOLOGY IN TRANSPLANTATION: THE ELECTRONIC FUTURE OF TRANSPLANT IS NOW

Moderators: Travis Dick, PharmD, Intermountain Medical Center, North Salt Lake, UT, USA and Kathleen Giles, MS, RN, Yale New Haven Hospital, New Haven, CT, USA

- |                   |                                                                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7:00 am – 7:25 am | EMR Use of Standard Post-Transplant Order Sets: Operational Efforts to Ensure Best Clinical Practices<br>Gregory Malat, PhD<br>Hahnemann University Hospital<br>Philadelphia, PA, USA |
| 7:25 am – 7:50 am | Drug-Drug Interactions and Innovative Steps to Minimize Alert Fatigue                                                                                                                 |

Ruchi Tiwari, PharmD., MS  
Deloitte LLC  
Boyd's, MD, USA

7:50 am – 8:15 am Simplifying Transplant REMS Programs: The Promise of Information Technology  
Demetra Tsapepas, PharmD  
New York Presbyterian Hospital/Columbia University  
New York, NY, USA

#### MECHANISMS OF IMMUNOREGULATION IN RESPONSE TO LIVER ALLOGRAFT

Moderators: Jerzy Kupiec-Weglinski, MD, PhD, University of California Los Angeles, Los Angeles, CA, USA  
and Neehar Parikh, MD, MS, University of Michigan, Ann Arbor, MI, USA

7:00 am – 7:25 am Antigen-Presenting Cells in the Liver  
Angus Thomson, PhD, DS  
University of Pittsburgh School of Medicine  
Pittsburgh, PA, USA

7:25 am – 7:50 am Immunoregulation by Liver Allografts  
Timucin Taner, MD, PhD  
Mayo Clinic  
Rochester, MN, USA

7:50 am – 8:15 am Biomarkers in Tolerant Liver Transplant Recipients  
Alberto Sanchez-Fueyo, MD, PhD  
Kings College London  
London, United Kingdom

#### TRANSPLANTATION AND THE TEENAGER: OPENING PANDORA'S BOX

Moderators: Sandra Amaral, MD, MHS, Children's Hospital of Philadelphia, Philadelphia, PA, USA and  
Estella Alonso, MD, H. Lurie Children's Hospital of Chicago, Chicago, IL, USA

7:00 am – 7:25 am What Are They Thinking? The Adolescent Brain and Risk Taking Behavior  
Kristin Reikert, PhD  
Johns Hopkins School of Medicine  
Baltimore, MD, USA

7:25 am – 7:50 am The Birds and the Bees: Puberty and Beyond  
Maria Trent, MD  
Johns Hopkins School of Medicine  
Baltimore, MD, USA

7:50 am – 8:15 am For Better or Worse? PTSD and Other Mental Health Issues in Adolescent  
Transplant Recipients  
Rachel Moore, PhD  
Children's Mercy  
Kansas City, MO, USA



## PERFORMANCE ANXIETY: IMPROVING THE PERFORMANCE ASSESSMENT PROCESS

Moderators: Jon Snyder, PhD, Minneapolis Medical Research Foundation, Minneapolis, MN, USA and Joseph Kim, MD, PhD, Toronto General Hospital, Toronto, ON, Canada

- 7:00 am – 7:25 am      The Good, The Bad, The Needs: Current Prediction Methods Used in PSRs  
Ajay Israni, MD  
Hennepin County Medical Center  
Minneapolis, MN, USA
- 7:25 am – 7:50 am      The OPTN Data Advisory Committee and New Variables that Adjust for Risk  
Stuart Sweet, MD, PhD  
Washington University  
St. Louis, MO, USA
- 7:50 am – 8:15 am C      Creating the Ideal Performance Evaluation  
Jesse Schold, PhD  
Cleveland Clinic Foundation  
Cleveland, OH, USA

## INFECTION, IMMUNITY AND THE MICROBIOME

Moderators: Robin Avery, MD, Johns Hopkins, Baltimore, MD, USA and Diana Florescu, MD, University of Nebraska Medical Center, Omaha, NE, USA

- 7:00 am – 7:25 am      Gut Microbiota, Immunity and the Allograft  
Peter Mannon, MD  
University of Alabama at Birmingham  
Birmingham, AL, USA
- 7:25 am – 7:50 am      Enteric Viruses: Norovirus and Rotavirus  
Michael Green, MD  
Children's Hospital of Pittsburgh  
Pittsburgh, PA, USA
- 7:50 am – 8:15 am      Modern Therapy of Clostridium Difficile  
Aneesh Mehta  
Emory University School of Medicine  
Atlanta, GA, USA

## LUNG TRANSPLANTATION THE SECOND TIME AROUND – CONSIDERATIONS IN RE-DO LUNG TRANSPLANTATION

Moderators: Phillip Camp, MD, Brigham and Women's Hospital, Boston, MA, USA and Cynthia Gries, MD, MSc, University of Pittsburgh, Pittsburgh, PA, USA

- 7:00 am – 7:30 am      Re-do Lung Transplantation: Patient and Donor Selection and Technical Pitfalls  
Robert (Duane) Davis, MD, MBA

Duke University Medical Center  
Durham, NC, USA

7:30 am – 8:00 am Re-do Lung Transplantation: Are We Doing the Right Thing?  
Christopher Wigfield, MD  
The University of Chicago Medicine & Biological Science  
Chicago, IL, USA

8:00 am – 8:15 am Q&A Discussion

## PRETRANSPLANT IMMUNOLOGICAL RISK ASSESSMENT FOR SUCCESSFUL TRANSPLANTATION OF SENSITIZED PATIENTS

Moderators: Howard Gebel, PhD, Emory University Hospital, Atlanta, GA, USA and Aji Djamali, MD, University of Wisconsin Madison, Madison, WI, USA

7:00 am – 7:25 am Solid Phase Assays for HLA Antibody Detection: Panacea or Pandora  
Robert Bray, PhD  
Emory University Hospital  
Atlanta, GA, USA

7:25 am – 7:50 am Cell Based Assays for Assessing Immunologic Risk: What Role Should They Play?  
Emilio Poggio, MD  
Cleveland Clinic  
Cleveland, OH, USA

7:50 am – 8:15 am The Role of the Molecular Microscope: The Molecular Approach to the Sensitized Recipient  
Enver Akalin, MD  
Albert Einstein College of Medicine  
Montefiore Medical Center Kidney Transplant  
Bronx, NY, USA

Break  
8:15 am – 8:30 am

**Joint Plenary**  
**8:30 am – 9:45 am**

**ASTS Awards**  
**9:45 am – 10:00 am**

**AST Awards**  
**10:00 am – 10:15 am**

## State-of-the-Art Presentation

10:15 am – 10:45 am Complement: More Than a “Guard” Against Pathogens  
John Lambris, PhD  
University of Pennsylvania  
Department of Pathology & Laboratory Medicine  
Philadelphia, PA, USA

## Coffee Break

**10:45 am – 11:00 am**

## Midday Symposia

**11:00 am – 12:30 pm**

### WHEN TRANSPLANTING A HEART IS NOT ENOUGH – THE ROLE OF DUAL ORGAN TRANSPLANTATION

Moderators: Teresa De Marco, MD, University of California San Francisco, San Francisco, CA, USA and Jon Kobashigawa, MD, Cedars Sinai Medical Center, Los Angeles, CA, USA

- 11:00 am – 11:10 am Combined Heart/Kidney Transplantation  
Allen Anderson, MD  
Northwest Medicine  
Chicago, IL, USA
- 11:10 am – 11:20 am Kidney Transplant Surgical Response to Speaker  
Yolanda Becker, MD  
University of Chicago  
Chicago, IL, USA
- 11:20 am – 11:30 am Combined Heart/Liver Transplantation  
Keyur Shah, MD  
Virginia Commonwealth University  
Richmond, VA, USA
- 11:30 am – 11:40 am Liver Transplant Surgical Response to Speaker  
Adrian Cotterell, MD  
Medical College of Virginia Hospitals  
Richmond, VA, USA
- 11:40 am – 11:55 am Combined Heart/Lung Transplantation  
Gosta Pettersson, MD, PhD  
Cleveland Clinic  
Shaker Heights, OH, USA
- 11:55 am – 12:00 pm Q/A Discussion

## GENERIC TACROLIMUS: GOOD MEDICINE OR CHEAP FIX

Moderators: Daniel Brennan, MD, Washington University in St. Louis, Renal Division, St. Louis, MO, USA and Wenlei Jiang, PhD, Food and Drug Administration, Silver Spring, MD, USA

- 11:00 am – 11:30 am Results of Brand, Generic Hi and Generic Lo Tacrolimus Pharmacokinetic Studies in Kidney and Liver Transplant Recipients  
Rita Alloway, PharmD  
University of Cincinnati College of Medicine  
Cincinnati, OH, USA
- 11:30 am – 12:00 pm State of the Art Tacrolimus Analytical Methodology Application to Tacrolimus Product and Bioequivalence Testing  
Uwe Christians, MD, PhD  
iC42 Clinical Research and Development  
University of Colorado  
Aurora, CO, USA
- 12:00 pm – 12:30 pm Evaluating the Impact of Pharmacogenetics on Tacrolimus Bioequivalence in Transplant Recipients  
Alexander Vinks, PharmD  
Cincinnati Children's Hospital Medical Center  
Cincinnati, OH, USA

## LIVER ALLOCATION: STRENGTHS, PROBLEMS AND PITFALLS WITH CURRENT AND FUTURE ISSUES

Moderators: Susan Orloff, MD, Oregon Science Health University, Portland, OR, USA and David Foley, MD, University of Wisconsin, Madison, WI, USA

- 11:00 am – 11:30 am Share 35: Pros and Cons after 36 Months after Implementation  
David Mulligan, MD  
Yale University School of Medicine  
New Haven, CT, USA
- 11:30 am – 12:00 pm Redistricting of Liver Organs: Looking into the Crystal Ball  
Sommer Gentry, PhD  
United States Naval Academy  
Annapolis, MD, USA
- 12:00 pm – 12:30 pm Redistricting of Liver Organs: Potential Problems and Pitfalls  
Michael Charlton, MD  
Intermountain Medical Center  
Murray, UT, USA

## SHORT AND LONG NON-ENCODING RNA MEDIATED REGULATION OF IMMUNITY

Moderators: Olivia Martinez, PhD, Stanford University School of Medicine, Stanford, CA, USA and Alessandro Alessandrini, MD, Massachusetts General Hospital, Boston, MA, USA

- 11:00 am – 11:30 am Non-Encoding RNA Regulation of Cell Physiology  
Harvey Lodish, PhD  
Massachusetts Institute of Technology/Whitehead Institute  
Cambridge, MA, USA
- 11:30 am – 12:00 pm Modulation of the Innate Immunity by Long Non-Encoding RNA  
Susan Carpenter, PhD  
University of California San Francisco  
San Francisco, CA, USA
- 12:00 pm – 12:30 pm MicroRNAs in T Cell Differentiation and Function  
Sheri Krams, PhD  
Stanford University School of Medicine  
Stanford, CA, USA

### LIVING DONATION IS SAFE: FACT OR FICTION?

Moderators: Hassan Ibrahim, MD, University of Minnesota, Minneapolis, MN, USA; Lloyd Ratner, MD, MPH, Columbia University, New York NY, USA, Alan Leichtman, MD, University of Michigan, Ann Arbor, USA and Krista Lentine, MD, St. Louis University School of Medicine, St. Louis, MO, USA

- 11:00 am – 11:15 am Risk of End-Stage Renal Disease Following Donation  
Dorry Segev, MD, PhD  
Johns Hopkins University  
Department of Surgery  
Baltimore, MD, USA
- 11:15 am – 11:20 am Discussion  
Led by Alan Leichtman, MD  
University of Michigan  
Ann Arbor, MI, USA
- 11:20 am – 11:35 am Long-Term Risks for Kidney Donors  
Hallvard Holdaas, MD, PhD  
Rikshospitalet  
Oslo, Norway
- 11:35 am – 11:40 am Discussion  
Led by Lloyd Ratner, MD, MPH  
Columbia University  
New York, NY, USA
- 11:40 am – 11:55 am Mortality and Cardiovascular Disease among Older Live Kidney Donors  
Peter Reese, MD, MS  
University of Pennsylvania  
Philadelphia, PA, USA

- 11:55 am – 12:00 pm Discussion  
Led by Hassan Ibrahim, MD  
University of Minnesota HC  
Minneapolis, MN, USA
- 12:00 pm – 12:15 pm Medical Outcomes among Publicly and Privately Insured Living Donors  
Amit Garg, MD  
London Health Sciences Service Center  
London, ON, Canada
- 12:15 pm – 12:20 pm Discussion  
Led by Krista Lentine, MD  
St. Louis University School of Medicine  
St. Louis, MO, USA

### T REGULATORY CELLS

Moderators: Jonathan Maltzman, MD, University of Pennsylvania, Philadelphia, PA, USA and Sophie Brouard, PhD, University of Nantes-ITUN, Nantes, France

- 11:00 am – 11:30 am Mouse and Human Treg Populations  
Megan Levings, MD  
University of British Columbia  
Vancouver, BC, Canada
- 11:30 am – 12:00 pm Microbial Metabolites Regulate Treg Homeostasis of the Colon  
Jinfang Zhu  
NIH  
Bethesda, MD, USA
- 12:00 pm – 12:30 pm Skin-Resident Tregs in Health and Disease  
Laurence Turka, MD  
Massachusetts General Hospital  
Boston, MA, USA

### KIDNEY TRANSPLANTATION IN THE ELDERLY

Moderators: Gabriel Danovitch, MD, David Geffen School of Medicine at UCLA, Los Angeles, CA, USA and Jagbir Gill, University of British Columbia, Vancouver, BC, Canada

- 11:00 am – 11:30 am Frailty – Novel Metric or Novelty?  
Mara McAdams-DeMarco, MS, PhD  
Johns Hopkins University  
Baltimore, MD, USA
- 11:30 am – 12:00 pm What is the Best Type of Allograft for the Elderly Candidate?  
John Gill, MD  
St. Paul's Hospital  
Vancouver, BC, Canada

12:00 pm – 12:30 pm Defining the Optimal Immunosuppressive Regimen for the Elderly Kidney Transplant Recipient  
Dianne McKay, MD  
University of California San Diego  
La Jolla, CA, USA

## REGENERATIVE MEDICINE TECHNOLOGIES FOR NEW GENERATION BIOARTIFICIAL ENDOCRINE PANCREAS

Moderators: Jon Odorico, MD, FACS, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA and Lorenzo Piemonti, MD, IRCCS San Raffaele Scientific Institute, Milan, Italy

11:00 am – 11:30 am Clinical Programs of Stem Cell Therapy for Diabetes  
Daniel Pipeleers, MD, PhD  
Brussels Free University VUB  
Brussels, Belgium

11:30 am – 12:00 pm What Cells Shall We Use to Bioengineer a New Generation Bioartificial Pancreas?  
Lorenzo Piemonti, MD  
IRCCS San Raffaele Scientific Institute  
Milan, Italy

12:00 pm – 12:30 pm Cell Reprogramming for the Treatment of Diabetes  
Juan Dominguez-Bendala, PhD  
University of Miami  
Diabetes Research Institute/Surgery  
Miami, FL, USA

## EMERGING INSIGHTS IN VIRAL INFECTIONS AND SOLID ORGAN TRANSPLANTATION

Moderators: Deepali Kumar, MD, MSc, University Health Network, Toronto, ON, Canada and Michael Green, MD, MPH, Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

11:00 am – 11:30 am Novel Prevention of BK: Monitoring, Cellular Assays, and Quinolones Plus Other Combination Therapies  
Gregory Knoll, MD  
The Ottawa Hospital  
Ottawa, ON, Canada

11:30 am – 12:00 pm Outcomes in HIV-positive Kidney Transplant Patients Compared to HCV-infected or HIV/HCV co-infected Recipients  
Deidre Sawinski, MD  
Hospital of the University of Pennsylvania  
Philadelphia, PA, USA

12:00 pm – 12:30 pm Transfusion- Transmitted Viral Infections: Emerging Data in Transplant Recipients  
Camille Kotton, MD  
Massachusetts General Hospital

Boston, MA, USA

## LONG-TERM RESULTS OF CLINICAL TOLERANCE – IN COMPARISON WITH CONVENTIONAL IMMUNOSUPPRESSION

Moderators: Steve Bartlett, MD, University of Maryland, Baltimore, MD, USA and Ali Najj, MD, PhD, University of Pennsylvania Hospital, Philadelphia, PA, USA

- 11:00 am – 11:30 am Long-term Results of Renal Allograft Tolerance in HLA Identical Kidney Transplantation  
John Scandling, MD  
Stanford University Medical Center  
Palo Alto, CA, USA
- 11:30 am – 12:00 pm Long-term Results of Allograft Tolerance with Stable Full Donor Chimerism in HLA Mismatched Kidney Transplantation  
Joseph Leventhal, MD, PhD  
Northwestern University Medical School  
Chicago, IL, USA
- 12:00 pm – 12:30 pm Long-term Results of Renal Allograft Tolerance after Induction of Transient Chimerism  
Tatsuo Kawai, MD, PhD  
Massachusetts General Hospital  
Boston, MA, USA

## MY TOUGHEST #\$\$^&! CASE: TECHNICAL CHALLENGES IN KIDNEY TRANSPLANTATION

Moderators: Andrew Singer, MD, PhD, Mayo Clinic, Phoenix, AZ, USA and Adam Bingaman, MD, Methodist Specialty and Transplant Hospital, San Antonio, TX, USA

- 11:00 am – 11:20 am A Heinous Happening at Hopkins  
Robert Montgomery, MD, D.Phil.  
Johns Hopkins University School of Medicine  
Baltimore, MD, USA
- 11:20 am – 11:40 am THE Disaster at THE Ohio State University  
Mitchell Henry, MD  
Ohio State University  
Columbus, OH, USA
- 11:40 am – 12:00 pm Michigan Maelstrom  
John Magee, MD  
University of Michigan Health System  
Ann Arbor, MI, USA
- 12:00 pm – 12:20 pm Calamity in the Carolinas  
Kenneth Chavin, MD, PhD  
Medical University of South Carolina



Charleston, SC, USA

## Break

12:30 pm – 1:00 pm

## Luncheon Workshops\*

**1:00 pm – 2:00 pm**

### ADVANCING PHARMACIST/PHYSICIAN COLLABORATIVE PRACTICE AGREEMENTS IN TRANSPLANTATION

Eric Tichy, PharmD, BCPS, FCCP, Yale New Haven Hospital, New Haven, CT, USA and Nicole Pilch, PharmD, Medical University of South Carolina, Charleston, SC, USA

### IS THE EMERGENCE OF AUTOIMMUNITY IN TRANSPLANT RECIPIENTS AN IMMEDIATE CAUSE OF ALLOGRAFT INJURY OR A SEQUELAE TO GRANT REJECTION?

William Burlingham, PhD, University of Wisconsin, Madison, WI, USA and Thalachallour Mohanakumar, PhD, Washington University School of Medicine, St. Louis, MO, USA

### PRACTICAL APPROACH TO INTEGRATING CLINICAL AND PATHOLOGICAL FINDINGS IN AMR: WHAT TO DO WITH THE BIOPSY FINDINGS

Cynthia Drachenberg, MD, University of Maryland, Baltimore, MD, USA and Fernando Cosio, MD, Mayo Clinic, Rochester, MN, USA

### TOTAL PANCREATECTOMY AND ISLET AUTOTRANSPLANTATION

Martin Wijkstrom, MD, University of Pittsburgh, Pittsburgh, PA, USA, Ty Dunn, MD, MS, University of Minnesota, Minneapolis, MN, USA and Balamurugan Appakalai, PhD, Cardiovascular Innovation Institute, Louisville, KY, USA

### NEONATAL DONATION: EXPANDING OPTIONS FOR DONOR FAMILIES THROUGH TRANSPLANT AND MEDICAL RESEARCH

Gina Dunn-Smith, International Institute for Advancement of Medicine, Edison, NJ, USA and Bethany Conkel, Purposeful Gift, Dayton, OH, USA

*\* Ticketed event with separate registration fee.  
Limited attendance.*

## Transplantation in Depth

**1:00 pm – 4:00 pm**

## THE IMPACT OF INFECTION AND TRAUMA ON THE IMMUNE SYSTEM

Moderators: Heth Turnquist, PhD, University of Pittsburgh, Thomas E Starzl Transplant Institute, Pittsburgh, PA, USA and Daniel Goldstein, MD, Yale University, Woodbridge, CT, USA

- 1:00 pm – 1:30 pm      Impact of Trauma and Infection on Adaptive Immune Response: Possible Consequences for Transplantation  
Hans-Dieter Volk, MD, PhD  
Berlin Brandenburger Centrum for Regenerative Therapien  
Berlin, Germany
- 1:30 pm – 2:00 pm      Epithelial Cytokines and Danger Signals Shape Outcomes after Trauma  
Tim Billiar, MD  
University of Pittsburgh Medical Center  
Pittsburgh, PA, USA
- 2:00 pm – 2:30 pm      Inflammatory Triggers of Lung Graft Rejection  
Daniel Kreisel, MD  
Washington University St. Louis  
St. Louis, MO, USA
- 2:30 pm – 3:00 pm      Molecular regulation of T helper cell differentiation  
Thomas Aune, PhD  
Vanderbilt University School of Medicine  
Nashville, TN, USA
- 3:00 pm – 3:30 pm      Viral Induced Heterologous Alloimmunity  
Mandy Ford, PhD  
Emory University  
Atlanta, GA, USA
- 3:30 pm- 4:00 pm      The Impact of Necroptosis in Tissue Inflammation  
Anthony Jevnikar, MD  
London Health Sciences Center  
London, ON, Canada

### Break

2:00 pm – 2:15 pm

### Concurrent Oral Abstract Sessions

**2:15 pm – 3:45 pm**

### Student Program

**2:15 pm – 5:30 pm**

## THE SCIENCE, THE ART, THE ALLURE OF TRANSPLANTATION

### *PART 1: FUNDAMENTAL CONCEPTS OF TRANSPLANTATION*

Moderators: Dorry Segev, MD, PhD, Associate Professor of Surgery, Epidemiology, and Biostatistics, Johns Hopkins University, Baltimore, MD, USA and Michael Englesbe, MD, Associate Professor of Surgery, University of Michigan, Ann Arbor, MI, USA

- 2:15 pm – 2:30 pm      The Big Picture: Thoughts from the Editor of the American Journal of Transplantation  
Allan Kirk, MD, PhD  
Duke University Medical Center  
Durham, NC, USA
- 2:30 pm – 2:45 pm      The Drug Dealers: Messing with the Immune System  
Lisa Potter, PharmD, FCCP, BCPS  
University of Chicago Medical Center  
Chicago, IL, USA
- 2:45 pm – 3:00 pm      The Booze Crews: Liver Transplantation  
Sandy Feng, MD, PhD  
University of California San Francisco  
San Francisco, CA, USA
- 3:00 pm – 3:15 pm      The Stream Team: Kidney Transplantation  
Jayme Locke, MD  
University of Alabama at Birmingham  
Birmingham, AL, USA
- 3:15 pm – 3:30 pm      The Broken Hearts: Thoracic Transplantation  
Robert Higgins, MD  
The Ohio State University Medical Center  
Columbus, OH, USA
- 3:30 pm – 3:45 pm      The Bizarre Bugs: Infections and Transplantation  
Camille Kotton, MD  
Massachusetts General Hospital  
Boston, MA, USA
- 3:45 pm – 4:00 pm      The Real Heroes: Live Kidney Donors  
Andrew Levey  
Tufts Medical Center  
Boston, MA, USA
- 4:00 pm – 4:15 pm      The Mighty Mice: Basic Science and Translational Research  
Robert Fairchild, PhD  
Cleveland Clinic Foundation  
Cleveland, OH, USA

4:15 pm – 4:30 pm      The Big Data: Clinical and Outcomes Research  
Dorry Segev, MD, PhD  
Johns Hopkins University  
Department of Surgery  
Baltimore, MD, USA

*PART 2: WHY I LOVE IT BREAKOUTS*

4:30 pm – 5:30 pm      Basic Science

4:30 pm – 5:30 pm      Medicine

4:30 pm – 5:30 pm      Surgery

4:30 pm – 5:30 pm      Pharmacy

**Allied Health Symposium**

**2:15 – 5:30 pm**

**SHARPENING YOUR SKILLS: PRACTICE UPDATES FOR THE ALLIED HEALTH PROVIDER**

Moderators: Michael Bucci, PA, University of Florida, Gainesville, FL, USA and Deonna Moore, ACNP, Vanderbilt University Medical Center, Nashville, TN, USA

2:15 pm – 2:45 pm      Managing Immunosuppression to Minimize Risk  
Eric Tichy, PharmD, BCPS, FCCP  
Yale New Haven Hospital  
New Haven, CT, USA

2:45 pm – 3:15 pm      Clinical Strategies to Prevent New Onset Diabetes after Transplant (NODAT)  
Kevin Carney, MSN, CRNP  
University of Pennsylvania  
Philadelphia, PA, USA

3:15 pm – 3:45 pm      Management Strategies for Chronic Infections: Norovirus, Rotavirus and Clostridium Difficile  
Daryle Blackstock, PA-C, MPH, CCTC  
New York Presbyterian Hospital  
Columbia University  
New York, NY, USA

3:45 pm – 4:00 pm      Break

4:00 pm – 4:30 pm      Dermatology for the Transplant Recipient: Risks, Monitoring and Treatment Strategies  
June Robinson, MD  
Northwestern University  
Chicago, IL, USA

- 4:30 pm -5:00 pm      Obesity and Transplant  
Mary Ellen Olbrisch, PhD  
Virginia Commonwealth University  
Richmond, VA, USA
- 5:00 pm – 5:30 pm      The Challenges of Retransplantation in the Sensitized Patient: How to Best Prepare  
Heidi Schaefer, MD  
Vanderbilt University  
Nashville, TN, USA

## Pediatric Symposium

**2:15 pm – 5:30 pm**

### UPDATE ON MANAGEMENT OF RARE DISEASES

#### *Cystinosis and Oxalosis!!! What is New and Novel in Therapy?*

Moderators: Amira Al-Uzri, MD, Oregon Health and Sciences University, Portland, OR, USA and Nada Yazigi, MD, Medstar Transplant Institute, Washington, DC, USA

- 2:15 pm – 2:45 pm      New Therapies on the Horizon: Gene Modified Auto Stem Cell Transplantation  
Stephanie Cherqui, PhD  
University of California San Diego  
La Jolla, CA, USA
- 2:45 pm – 3:15 pm      Can Transplantation be avoided? Update on Therapy for Cystinosis  
William Gahl, MD, PhD  
National Institutes of Health  
Bethesda, MD, USA
- 3:15 pm – 3:45 pm      Genetics and Medical Management of Primary Hyperoxaluria  
Dawn Milliner, MD  
Mayo Clinic  
Rochester, MN, USA
- 3:45 pm – 4:00 pm      Coffee Break

### *WHAT IS THE ROLE OF TRANSPLANTATION IN RARE SYSTEMIC METABOLIC DISEASES IN CHILDREN?*

Moderators: Walter Andrews, MD, Children's Mercy Hospital, Kansas City, MO, USA and Kathleen Campbell, MD, Cincinnati Children's Hospital, Cincinnati, OH, USA

- 4:00 pm – 4:30 pm      Primary Hyperoxaluria  
George Mazariegos, MD  
Children's Hospital of Pittsburgh  
Pittsburgh, PA, USA
- 4:30 pm – 5:00 pm      Propionic and Methylmalonic Acidemia  
Charles Venditti, MD, PhD

National Institutes of Health  
Bethesda, MD, USA

5:00 pm- 5:30 pm MSUD and Urea Cycle Disorders  
Kevin Strauss, MD  
Clinic for Special Children  
Strasburg, PA, USA

### Coffee Break

**3:45 pm – 4:00 pm**

### Concurrent Oral Abstract Sessions

**4:00 pm – 5:30 pm**

### Poster Session B

**5:30 pm – 6:30 pm**

## Monday, May 4, 2015

### Sunrise Symposia

**7:00 am – 8:15 am**

#### ALCOHOL ABUSE AND LIVER TRANSPLANTATION: OUTCOMES, TREATMENT AND ETHICAL CONSIDERATIONS

Moderators: Zeeshan Butt, PhD, Northwestern University Feinberg School of Medicine, Chicago, IL, USA and Sheila Jowsey-Gregoire, MD, Mayo Clinic, Rochester, MN, USA

7:00 am – 7:25 am Assessment and Treatment of Alcoholism in Liver Transplant Candidates  
Andrea DiMartini, MD  
University of Pittsburgh Medical Center  
Pittsburgh, PA, USA

7:25 am – 7:50 am Clinical Outcomes of Liver Transplantation for Alcoholic Liver Disease  
Robert Brown, MD, MPH  
Columbia University/New York Presbyterian  
New York, NY, USA

7:50 am – 8:15 am Ethical Considerations Related to Liver Transplantation for Alcoholics  
Elisa Gordon, PhD, MPH  
Northwestern University Feinberg School of Medicine  
Chicago, IL, USA

## ANTIBODIES IN THORACIC TRANSPLANTATION – SHEDDING NEW LIGHT ON THE SUBJECT

Moderators: Elaine Reed, PhD, University of California Los Angeles, Los Angeles, CA, USA and Adriana Zeevi, MD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

- 7:00 am – 7:25 am      Why Do Antibodies Occur?  
Anat Tambur, DMB, PhD  
Northwestern University  
Chicago, IL, USA
- 7:25 am – 7:50 am      How Are Antibodies Measured, Quantified and Defined to be Clinically Relevant (or not)?  
Kathryn Tinckam, MD  
University Health Network  
Toronto, ON, Canada
- 7:50 am – 8:15 am      Current and Developing Treatment Approaches to AMRS in Thoracic Transplantation  
Christopher Ensor, PharmD  
University of Pittsburgh  
Pittsburgh, PA, USA

## MANAGING THE KIDNEY WAITLIST

Moderators: Ajay Israni, MD, Hennepin County Medical Center, Minneapolis, MN, USA and John Gill, MD, MS University of British Columbia, Vancouver, BC, Canada

- 7:00 am – 7:25 am      New Kidney Allocation System: How will it Affect Current Waitlist Management?  
John Friedewald, MD  
Northwestern University  
Chicago, IL, USA
- 7:25 am – 7:50 am      Kidney Waitlist: Should we be Routinely Re-Assessing Transplant Candidates?  
Peter Reese, MD  
University of Pennsylvania  
Philadelphia, PA, USA
- 7:50 am – 8:15 am      Death on the Waitlist: Can We Improve Survival While Patients Wait for Transplant?  
Panduranga Rao, MD  
University of Michigan Health System  
Ann Arbor, MI, USA

## STEM CELL MODIFICATION AND CELLULAR REPROGRAMMING STRATEGIES

Moderators: Jason Wertheim, MD, PhD, Northwestern University, Chicago, IL, USA and Anita Chong, PhD, University of Chicago, Chicago, IL, USA

- 7:00 am – 7:25 am      In Vivo Development of Induced Pluripotent Stem Cells to Create Chimeric Liver Tissue

Holger Willenbring, MD  
University of California San Francisco  
San Francisco, CA, USA

7:25 am – 7:50 am      Blastocyst Complementation to Develop Chimeric Abdominal Organs  
Juan Carlos Izpisua Belmonte, PhD  
The Salk Institute for Biological Studies  
La Jolla, CA, USA

7:50 am – 8:15 am      Reprogramming the Immune System Using CAR T Cells to Treat Leukemia  
Stan Riddell, MD  
Fred Hutchinson Cancer Research Center  
Seattle, WA, USA

#### TRANSPLANTATION OF ORGANS FROM HIVINFECTED DONORS – HOPE PUT INTO PRACTICE

Moderators: Matthew Kuehnert, MD, Centers for Disease Control and Prevention, Atlanta, GA, USA and  
Timothy Pruett, MD, University of Minnesota, Minneapolis, MN, USA

7:00 am – 7:25 am      HOPE: The Viral Frontier  
Christine Durand, MD  
Johns Hopkins University School of Medicine  
Baltimore, MD, USA

7:25 am – 7:50 am      Seven Years of Experience with HIV+ to HIV+ Organ Transplantation  
Elmi Muller, MD  
Groote Schur Hospital  
Cape Town, South Africa

7:50 am – 8:15 am      Research Criteria and Implementation of the HOPE Act: Progress to Date  
Jonah Odum, MD, PhD  
National Institute of Allergy and Infectious Disease (NIAID)  
National Institutes of Health (NIH)  
Rockville, MD, USA

#### STATE-OF-THE-ART ISSUES IN INTESTINAL FAILURE

Moderators: Kareem Abu El Magd, MD, Cleveland Clinic, Cleveland, OH, USA and Douglas Farmer, MD,  
Ronald Reagan UCLA Medical Center, Los Angeles, CA, USA

7:00 am – 7:25 am      Donor Specific Antibodies in Intestinal Transplantation – What Do They Really  
Mean and What to Do About Them?  
Cal Matsumoto, MD  
Georgetown University Hospital  
Washington, DC, USA

7:25 am – 7:50 am      Enteroplasties in Short Bowel Syndrome – Beneficial or Folly?  
David Mercer, MD, PhD  
University of Nebraska Medical Center



Omaha, NE, USA

7:50 am – 8:15 am Are Indications for Intestine Transplant in Adults Changing and Should They?  
Thiago Beduschi, MD  
University of Miami  
Miami, FL, USA

## TRANSPLANTATION IN THE ERA OF VALUE-BASED CARE

Moderators: Andrea Tietjen, MBA, St. Barnabas Medical Center, Livingston, NJ, USA and Michael Abecassis, MD, MBA, Northwestern University, Chicago, IL, USA

7:00 am – 7:25 am Describing Value in Transplant Care  
George Mazariegos, MD  
Children’s Hospital of Pittsburgh  
Pittsburgh, PA, USA

7:25 am – 7:50 am Strategizing for Value in Transplant Care  
Jon Friedman, MD  
Optum  
Cypress, CA, USA

7:50 am – 8:15 am Delivering Value in Transplant Care  
Michael Englesbe, MD  
University of Michigan  
Ann Arbor, MI, USA

## Break

**8:15 am – 8:30 am**

## Joint Plenary

**8:30 am – 9:30 am**

## ASTS Awards

**9:30 am – 9:45 am**

## ASTS Presidential Address

**9:45 am – 10:15 am**

## State-of-the-Art Presentation

10:15 am – 10:45 am Transforming Trillions of Points of Data from Studies and Trials into New Drugs and Diagnostics  
Atul Butte, MD, PhD  
Stanford University  
Stanford, CA, USA

## Coffee Break

10:45 am – 11:00 am

## Midday Symposia

11:00 am – 12:30 pm

### ACHIEVING HCV ERADICATION IN ALL TRANSPLANT RECIPIENTS

Moderators: James Burton, MD, University of Colorado, Aurora, CO, USA and Josh Levitsky, MD, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

- 11:00 am – 11:30 am Pre-and Peri-Transplant HCV Therapy: How to Safely Navigate HCV Eradication in Decompensated Cirrhosis  
Norah Terrault, MD, MPH  
University of California San Francisco  
San Francisco, CA, USA
- 11:30 am – 12:00 pm Post-Transplant HCV Therapy: Optimal Timing, Duration and Agents  
Marina Berenguer, MD  
La Fe Hospital  
Valencia, Spain
- 12:00 pm – 12:30 pm HCV Therapy in Waitlisted and Transplanted Non-Liver Recipients  
Kimberly Brown, MD  
Henry Ford Hospital  
Detroit, MI, USA

### KIDNEY ANTIBODY-MEDIATED REJECTION

Moderators: Jayme Locke, MD, MPH, University of Alabama at Birmingham, Birmingham, AL, USA and Eric Huang, MD, University of Michigan, Ann Arbor, MI, USA

- 11:00 am – 11:30 am AMR: Update on Diagnostic Criteria  
Lorraine Racusen, MD, FASN  
Johns Hopkins University School of Medicine  
Baltimore, MD, USA
- 11:30 am – 12:00 pm The High-Risk Patient: Does Monitoring AMR Improve Outcomes?  
Peter Nickerson, MD  
University of Manitoba  
Winnipeg, MB, Canada
- 12:00 pm – 12:30 pm AMR: Update on Treatment Strategies  
Steven Chadban, MD  
Royal Prince Alfred Hospital/University of Sydney  
Clontarf, Australia

## AUTOIMMUNITY DURING ALLOGRAFT REJECTION

Moderators: Anthony Jevnikar, MD, London Health Sciences Center, London, United Kingdom and Thalachallour Mohanakumar, PhD, Washington University School of Medicine, St. Louis, MO, USA

- 11:00 am – 11:30 am Cell Death Dysregulation: A Central Trigger of Autoimmunity in Transplantation  
Marie Josee Hebert, MD  
CHUM Hospital Notre Dame  
Montreal, QC, Canada
- 11:30 am – 12:00 pm Autoimmune-Mediated Injury in Lung Transplantation  
David Wilkes, MD  
Indiana University School of Medicine  
Indianapolis, IN, USA
- 12:00 pm – 12:30 pm Anti-Endothelial Antibodies  
Elaine Reed, PhD  
University of California Los Angeles  
Los Angeles, CA, USA

## OPTIMIZING DONOR HEART AVAILABILITY FOR TRANSPLANTATION

Moderators: Tom Mone, MS, One Legacy, Los Angeles, CA, USA and David Nelson, MD, INTEGRIS Baptist Medical Center of Oklahoma, Oklahoma City, OK, USA

- 11:00 am – 11:30 am Donor Management and The Use of Hypothermia in Organ Procurement  
Darren Malinoski, MD  
Portland VA Medical Center  
Portland, OR, USA
- 11:30 am – 12:00 pm The Heart in the Box  
Fardad Esmailian, MD  
Cedars Sinai Medical Institute  
Los Angeles, CA, USA
- 12:00 pm – 12:30 pm The Use of Extended Criteria Donor Hearts for Transplantation  
Abbas Ardehali, MD  
University of California Medical Center  
Los Angeles, CA, USA

## NEW INSIGHTS INTO MEMORY T CELL BIOLOGY

Moderators: Agnes Azimzadeh, PhD, University of Maryland School of Medicine, Baltimore, MD, USA and David Briscoe, MD, MB, Children's Hospital of Boston, Boston, MA, USA

- 11:00 am – 11:30 am Regulation of Memory CD8 T Cell Development  
John Wherry, PhD  
University of Pennsylvania  
Philadelphia, PA, USA

- 11:30 am – 12:00 pm Tissue-Resident Memory T Cells  
Steve Jameson, PhD  
University of Minnesota  
Minneapolis, MN, USA
- 12:00 pm – 12:30 pm Human Memory T Cell Populations  
Donna Farber, PhD  
Columbia University Medical Center  
Columbia Center for Translational Immunology  
New York, NY, USA

#### CHALLENGES IN IMPLEMENTING KIDNEY PAIRED DONATION

Moderators: Mark Aeder, MD, University Hospitals Case Medical Center, CWRU, Cleveland, OH, USA and Sommer Gentry, PhD, United States Naval Academy, Annapolis, MD, USA

- 11:00 am – 11:15 am UNOS  
Richard Formica, MD  
Yale University School of Medicine  
New Haven, CT, USA
- 11:15 am – 11:30 am National Kidney Registry  
Jeffrey Veale, MD  
University of California Los Angeles  
Los Angeles, CA, USA
- 11:30 am – 11:45 am Alliance for Paired Donation  
Michael Rees, MD, MPH  
University of Toledo Medical Center  
Toledo, OH, USA
- 11:45 am -12:00 pm Johns Hopkins  
Janet Hiller, RN, MSN  
Johns Hopkins Hospital  
Baltimore, MD, USA
- 12:00 pm – 12:15 pm San Antonio  
Adam Bingaman, MD  
Methodist Specialty and Transplant Institute  
San Antonio, TX, USA
- 12:15 pm – 12:30 pm Netherlands  
Marry De Klerk  
Erasmus Medical Center  
Rotterdam, The Netherlands

## VASCULARIZED COMPOSITE ALLOTRANSPLANTATION UPDATE: IMMUNOSUPPRESSION, IMMUNE MONITORING AND IMPLEMENTATION

Moderators: Michael Marvin, MD, Jewish Hospital, Louisville, KY, USA and Marlon Levy, MD, FACS, Baylor All Saints Medical Center, Fort Worth, TX, USA

11:00 am – 11:30 am    Biomarkers and Immune Monitoring in VCA  
Rolf Barth, MD  
University of Maryland School of Medicine  
Baltimore, MD, USA

11:30 am – 12:00 pm    Implementation of the VCA Final Rule  
Marlon Levy, MD, FACS  
Baylor All Saints Medical Center  
Fort Worth, TX, USA

12:00 pm -12:30 pm    Immunomodulation in VCA  
Linda Cendales, MD  
Duke University Medical Center  
Durham, NC, USA

## KIDNEY BIOENGINEERING AND REGENERATION: STATE-OF-THE-ART

Moderators: Jason Wertheim, MD, PhD, Northwestern University, Chicago, IL, USA and Laura Perin, Children's Hospital Los Angeles, University of Southern California, Los Angeles, CA, USA

11:00 am – 11:30 am    Renal Progenitor Cells for Renal Regeneration  
Benjamin Dekel, MD, PhD  
Sheba Medical Center/Tel Aviv University  
Tel Hasomer, Israel

11:30 am – 12:00 pm    Discarded Kidneys as Platform for Kidney Bioengineering and Regeneration  
Giuseppe Orlando, MD, PhD  
Wake Forest University Baptist Medical Center  
Winston Salem, NC, USA

12:00 pm – 12:30 pm    Kidney Reprogramming  
Laura Perin  
Children's Hospital of Los Angeles  
University of Southern California  
Los Angeles, CA, USA

## STATE-OF-THE-ART CMV PREVENTION AND THERAPY

Moderators: Andre Kalil, MD, University of Nebraska Medical Center, Omaha, NE, USA and Shirish Huprikar, MD, Ichan School of Medicine at Mt. Sinai, New York, NY, USA

11:00 am – 11:30 am    Thresholds for Therapy – Viral Load  
Raymund Razonable, MD  
Mayo Clinic College of Medicine

Rochester, MN, USA

11:30 am – 12:00 pm Beyond Status Quo: Novel Therapies for CMV  
Atul Humar, MD, MSC  
Toronto General Hospital  
Toronto, ON, Canada

12:00 pm – 12:30 pm Novel Immune Diagnostics: Are We There Yet?  
Deepali Kumar, MD  
University Health Network  
Toronto, ON, Canada

### LIVER TRANSPLANTATION PLUMBING: CLOGS, CLOTS AND LEAKS

Moderators: Goran Klintmalm, MD, Baylor University Medical School, Dallas, TX, USA and Jean Emond, MD, Columbia University Medical Center, New York, NY, USA

11:00 am – 11:30 am Managing Diffuse Portomesenteric Thrombosis – Liver Transplant Techniques versus Multivisceral Transplant  
Wendy Grant, MD  
University of Nebraska Medical Center  
Omaha, NE, USA

11:30 am – 12:00 pm Management of Hepatic Artery Thrombosis: Timing is of the Essence  
Joseph Tector, MD, PhD  
Indiana University School of Medicine  
Indianapolis, IN, USA

12:00 pm – 12:30 pm Management of Difficult Biliary Complications both Early and Late after Liver Transplantation  
Greg McKenna, MD, FACS  
Baylor Simmons Transplant Institute  
Dallas, TX, USA

### Break

**12:30 pm – 2:15 pm**

### Concurrent Oral Abstract Sessions

**2:15 pm – 3:45 pm**

### Coffee Break

**3:45 pm – 4:00 pm**

## Allied Health/Pediatric Symposium

### WHY DON'T THEY DO WHAT WE SAY? ADHERENCE AND SELF-CARE IN PEDIATRIC TRANSPLANT RECIPIENTS

*It's Not My Fault! Understanding Barriers to Adherence and Self-care in Pediatric Transplant Recipients*

Moderators: Nancy Halnon, MD, Mattel UCLA Children's Hospital, Los Angeles, CA, USA and Cozumel Pruette, MD, MHS, Johns Hopkins University, Baltimore, MD, USA

- 2:15 pm – 2:45 pm      The Developing Mind: Neurocognitive Barriers to Adherence/Self-care in Pediatric Patients  
Eyal Shemesh, MD  
Ichan School of Medicine at Mount Sinai  
New York, NY, USA
- 2:45 pm – 3:15 pm      Moving Target: Psychosocial Influences on Adherence and Self-care in Pediatric Transplantation  
Debra Lefkowitz, PsyD  
Children's Hospital of Pennsylvania  
Philadelphia, PA, USA
- 3:15 pm – 3:45 pm      Did They Hear What I Said? Organizational Health Literacy and Selfcare  
Kerri Cavanaugh, MD  
Vanderbilt University School of Medicine  
Nashville, TN, USA

### *WHAT CAN WE DO? TOOLS TO OPTIMIZE SELF-CARE AND ADHERENCE*

Moderators: Paul Volek, MPH, University of Cincinnati Medical Center, Cincinnati, OH, USA and Sandra Amaral, MD, MHS, Children's Hospital of Philadelphia, Philadelphia, PA, USA

- 4:00 pm – 4:30 pm      Are They Ready? Tools to Measure Selfmanagement/Transition Preparedness  
Maria Ferris, MD, MPH, PhD  
University of North Carolina  
Medicine and Pediatrics  
Chapel Hill, NC, USA
- 4:30 pm – 5:00 pm      Peer Pressure: Using Peer Mentors to Optimize Adherence and Self-care in Adolescent Transplantation  
Rachel Annunziato, PhD  
Fordham University  
Bronx, NY, USA
- 5:00 pm – 5:30 pm      Straight Talk: Health-literacy Sensitive Communication Tools for Pediatric Patients and their Careproviders  
Marilyn Schapira, MD  
University of Pennsylvania  
Philadelphia, PA, USA

## Concurrent Oral Abstract Sessions

4:00 pm – 5:30 pm

## Poster Session C

5:30 pm – 6:30 pm

## AST Town Hall and Reception

5:45 PM – 7:00 PM

## Tuesday, May 5, 2015

### Sunrise Symposia

7:00 am – 8:15 am

#### RISKY BUSINESS? ACCEPTING ORGANS FROM DONORS WITH HIGH RISK BEHAVIOR

Moderators: Deepali Kumar, MD, University Health Network, Toronto, ON, Canada and Devin Eckhoff, MD, University of Alabama at Birmingham, Birmingham, AL, USA

- |                   |                                                                                                                                                                      |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7:00 am – 7:25 am | Is All High Risk Behavior High Risk?<br>Michael Ison, MD, MS<br>Northwestern University<br>Chicago, IL, USA                                                          |
| 7:25 am – 7:50 am | High Risk Donors: Choosing the Right Recipient<br>Jayme Locke, MD<br>University of Alabama at Birmingham<br>Birmingham, AL, USA                                      |
| 7:50 am – 8:15 am | Consenting Recipients of High Risk Donors and Post Operative Monitoring<br>Emily Blumberg, MD<br>Hospital of the University of Pennsylvania<br>Philadelphia, PA, USA |

#### TRANSITIONING ADOLESCENT TO ADULT CARE: IT'S TIME TO MOVE!

Moderators: Deborah Adey, MD, University of California Davis, Sacramento, CA, USA and Debb Andersen, RN, BSN, UNMC, Department of Surgery/Transplant, Omaha, NE, USA

- |                   |                                                                                                                                                                                 |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7:00 am – 7:25 am | Getting Ready: The Use of Transition Tools to Start Your Program<br>Stacey Lerrett, PhD, CPNP<br>Children's Hospital of Wisconsin/University of Wisconsin<br>Milwaukee, WI, USA |
| 7:25 am – 7:50 am | Crossing the Abyss: Strategies to Improve Collaboration Between Pediatric and Adult Providers to Optimize Care and Outcomes During Transfer                                     |



Sandra Amaral, MD, MHS  
The Children's Hospital of Philadelphia  
Division of Nephrology  
Philadelphia, PA, USA

7:50 am – 8:15 am      Sustaining Care: The Commitment of Infra-Structure to Support Transition  
Paul Volek, MPH  
University of Cincinnati Medical Center  
Cincinnati, OH, USA

#### MICROBIOTA (COLON) A NEW BUG IN TRANSPLANTATION

Moderators: Jay Fishman, MD, Massachusetts General Hospital/Harvard Medical School, Boston, MA, USA  
and Lara Danziger-Isakov, MD, MPH, Cincinnati Children's Hospital Medical Center, Division of Infectious  
Diseases, Cincinnati, OH, USA

7:00 am – 7:25 am      The Microbiota and Autoimmunity  
Jorge Henao-Mejia, MD, PhD  
University of Pennsylvania, Children's Hospital of Philadelphia  
Philadelphia, PA, USA

7:25 am – 7:50 am      The Microbiome Influence in Graft Rejection  
Marisa Alegre, MD, PhD  
University of Chicago  
G. Knapp Center for Lupus & Immun. Research  
Chicago, IL, USA

7:50 am – 8:15 am      The Microbiome Following Clinical Renal Transplantation  
Jonathan Bromberg, MD  
University of Maryland School of Medicine  
Baltimore, MD, USA

#### BEST PRACTICES IN LIVE KIDNEY DONATION

Moderators: Dianne LaPointe Rudow, ANP-BC, DNP, CCTC, Recanti Miller Transplantation Institute, New  
York, NY, USA and Rebecca Hays, MSW, University of Wisconsin Hospital, Madison, WI, USA

7:00 am – 7:25 am      Improving Education for Transplant Candidates about Living Donation  
Amy Waterman, PhD  
University of California Los Angeles  
Los Angeles, CA, USA

7:25 am – 7:50 am      Improving Live Donor Education and Efficiencies of Evaluation  
Matthew Cooper, MD  
Medstar Georgetown Transplant Institute  
Washington, DC, USA

7:50 am – 8:15 am      Overcoming Disparities and Reducing Economic Barriers to Live Kidney Donation  
Jim Rodrigue, PhD

Beth Israel Deaconess Medical Center  
Boston, MA, USA

### TECHNICAL PERSPECTIVES IN DCD LIVER TRANSPLANTATION

Moderators: Seth Karp, MD, Vanderbilt University School of Medicine, Nashville, TN, USA and David Axelrod, MD, Dartmouth- Hitchcock Medical Center, Lebanon, NH, USA

- 7:00 am – 7:25 am      Do DCD Liver Transplant in the United States Cause Distributive Good or Harm?  
Anton Skaro, MD, PhD  
Northwestern Memorial Hospital  
Chicago, IL, USA
- 7:25 am – 7:50 am      Managing Bile Ducts in DCD Livers – Is There a Strategy to Maximize Success?  
Charles Rosen, MD  
Mayo Clinic  
Rochester, MN, USA
- 7:50 am – 8:15 am      Is There Hope for the Future Using DCD Livers in the US? Research Priorities  
Peter Abt, MD  
University of the Hospital of Pennsylvania  
Philadelphia, PA, USA

### HLA EPITOPE MATCHING: IS IT READY FOR PRIME TIME?

Moderators: Howard Gebel, PhD, Emory University Hospital, Atlanta, GA, USA and Kathryn Tinckam, MD, MMSc, University Health Network, Toronto, ON, Canada

- 7:00 am – 7:25 am      Understanding Permissible Mismatches  
Frans Claas, PhD  
Leiden University Medical Center  
Leiden, The Netherlands
- 7:25 am – 7:50 am      Assessing Immunological Risk Post Transplantation by Quantifying Epitope Mismatches  
Peter Nickerson, MD  
University of Manitoba  
Winnipeg, MB, Canada
- 7:50 am – 8:15 am      Epitope Matching/Mismatching and Alloreactivity: Pros and Cons of this Approach  
Anat Tambur, DMB, PhD  
Northwestern University  
Chicago, IL, USA

### PROGRESS IN ISLET TRANSPLANTATION

Moderators: Nicole Turgeon, MD, Emory University, Atlanta, GA, USA and Luis Fernandez, MD, University of Wisconsin, Madison, WI, USA

7:00 am – 7:25 am      Current Islet Transplant Outcomes and Status of Clinical Trials  
Thierry Berney, MD  
Geneva University Hospital  
Geneva, Switzerland

7:25 am – 7:50 am      Strategies to Improve Islet Yield  
Luis Fernandez, MD  
University of Wisconsin  
Madison, WI, USA

7:50 am – 8:15 am      Show Me the Money – Challenges for Funding Islet Transplantation  
Bernhard Hering, MD  
University of Minnesota  
Minneapolis, MN, USA

### Joint Plenary

**8:30 am – 9:15 am**

### AST Awards

**9:15 am – 9:30 am**

### AST Presidential Address

**9:30 am – 10:00 am**

### Coffee Break

**10:00 am – 10:15 am**

### Controversies in Transplantation

**10:15 am – 11:00 am**

### DO WE HAVE THE IMMUNOSUPPRESSIVE TOOL BOX WE NEED OR SHOULD TOLERANCE BE THE GOAL?

Moderators: Megan Sykes, MD, Columbia University Medical Center, New York, NY, USA and Jonathan Bromberg, MD, PhD, University of Maryland School of Medicine, Transplant Office, Baltimore, MD, USA

10:15 am – 10:25 am      We Have the Toolbox We Need  
Philip Halloran, MD, PhD  
University of Alberta  
Division of Nephrology/Immunology  
Edmonton, AB, Canada

10:25 am – 10:35 am      Tolerance Should Be the Goal  
Allan Kirk, MD, PhD  
Duke University Medical Center  
Durham, NC, USA

10:35 am – 10:40 am Rebuttal  
Philip Halloran, MD, PhD  
University of Alberta  
Division of Nephrology/Immunology  
Edmonton, AB, Canada

10:40 am – 10:45 am Rebuttal  
Allan Kirk, MD, PhD  
Duke University Medical Center  
Durham, NC, USA

10:45 am – 11:00 am Discussion

### MOST EFFECTIVE STRATEGIES TO INCREASE THE LIVER DONOR POOL

Moderators: Thomas Mone, MS, One Legacy, Los Angeles, CA, USA and Michael Goldstein, University of Miami Miller School of Medicine, Miami, FL, USA

10:15 am – 10:20 am Machine Preservation of Extended Criteria Donors  
Peter Friend, MA, MB  
University of Oxford  
Oxford, United Kingdom

10:20 am – 10:25 am Opt Out Strategy: You Will Be a Deceased Donor Until Proven Otherwise  
Marina Berenguer, MD  
La Fe Hospital  
Valencia, Spain

10:25 am – 10:30 am Living Donation is the First Option  
Gary Levy, MD  
Toronto General Hospital  
Toronto, ON, Canada

10:30 am – 10:35 am Social Media: Get the Word Out There!  
Andrew Cameron, MD, PhD  
Johns Hopkins Hospital  
Baltimore, MD, USA

10:35 am – 10:40 am Regulated Financial Incentives: What Works for Kidney Should Work for Liver  
Arthur Matas, MD  
University of Minnesota  
Minneapolis, MN, USA

### Coffee Break

**11:00 am – 11:15 am**

### Midday Symposia

**11:15 am – 12:45 pm**

## B CELL DEVELOPMENT

Moderators: Anna Valujskikh, PhD, The Cleveland Clinic, Cleveland, OH, USA and Lori West, MD, University of Alberta, Edmonton, AB, Canada

- 11:15 am – 11:45 am Human B Cell Populations  
Eric Meffre, PhD  
Yale University  
New Haven, CT, USA
- 11:45 am – 12:15 pm Regulation of AID in Antibody Diversity  
Roberta Pelanda, PhD  
University of Colorado  
Aurora, CO, USA
- 12:15 pm – 12:45 pm Regulation of Memory B Cells by Autophagy  
Jin Wang, PhD  
Baylor College of Medicine  
Houston, TX, USA

## CARDIOVASCULAR DISEASE IN KIDNEY TRANSPLANTATION

Moderators: Bertram Kasiske, MD, Hennepin County Medical Center, Minneapolis, MN, USA and Joseph Kim, MD, PhD, Toronto General Hospital, Toronto, ON, Canada

- 11:15 am – 11:45 am Pre-op Cardiovascular Assessment: Are All These Screening Tests Necessary?  
Jeffrey Brinker, MD  
Johns Hopkins University Hospital  
Baltimore, MD, USA
- 11:45 am – 12:15 pm Diastolic Dysfunction: Is This a Concern in Kidney Transplantation?  
Howard Eisen, MD  
Drexel University College of Medicine  
Philadelphia, PA, USA
- 12:15 pm – 12:45 pm Pre-op Cardiac Assessment: Do Biomarkers Improve Risk Stratification?  
Alan Jardine, BSc, MB, ChB, MD, FRCP  
University of Glasgow  
BHF Cardiovascular Research Centre  
Glasgow, United Kingdom

## THE MEDIA AND TRANSPLANTATION

Moderators: J. David Vega, Emory University School of Medicine, Atlanta, GA, USA and J. Keith Melancon, MD, George Washington University Hospital, Washington, DC, USA

- 11:15am – 11:55 am When the Media Influences Change in Policy  
Kenneth Andreoni, MD  
University of Florida

Gainesville, FL, USA

11:55 am – 12:35 pm Investigative Reporting in Transplantation  
Kevin Sack  
New York Times  
Atlanta, GA, USA

12:35 pm – 12:45 pm Q&A

### IMMUNE METABOLOMICS

Moderators: Leonardo Riella, MD, PhD, Brigham and Women's Hospital, Harvard Medical School. Boston, MA, USA and Andrew Wells, PhD, University of Pennsylvania CHOP, Philadelphia, PA, USA

11:15 am – 11:45 am Metabolic Control of Dendritic Cell Function  
Ed Pearce, PhD  
Washington University in St. Louis  
St. Louis, MO, USA

11:45 am – 12:15 pm Glut1 in CD4 T Cell Activation  
Jeffrey Rathmell, PhD  
Duke University  
Durham, NC, USA

12:15 pm – 12:45 pm Use of Urinary Metabolomics to Detect Kidney Graft Injury  
Hongbo Chi, PhD  
St. Jude's Children's Research Hospital  
Memphis, TN, USA

### THE FUTURE OF PANCREAS TRANSPLANTATION

Moderators: Peter Stock, MD, PhD, University of California San Francisco, San Francisco, CA, USA and Ranier Gruessner, MD, University of Arizona, Tucson, AZ, USA

11:15 am – 11:45 am Where Have All the Pancreas Transplants Gone?  
Jonathan Fridell MD  
Indiana University School of Medicine  
University Hospital  
Indianapolis, IN, USA

11:45 am – 12:15 pm Emerging Alternatives to Pancreas Transplantation  
Jon Odorico, MD  
University of Wisconsin Hospital & Clinic  
Madison, WI, USA

12:15 pm – 12:45 pm Debate: Are There Too Many Pancreas Transplant Centers?  
**Pro**  
Raja Kandaswamy, MBBS  
University of Minnesota

Minneapolis, MN, USA

**Con**

Robert Stratta, MD  
Wake Forest School of Medicine  
Winston-Salem, NC, USA

**DONOR-DERIVED INFECTIONS: THE DEVIL INSIDE**

Moderators: Michael Ison, MD, MS, Northwestern University, Chicago, IL, USA and Emily Blumberg, MD, Hospital of the University of Pennsylvania, Philadelphia, PA, USA

11:15 am – 11:45 am Transplant Surprises: Resistant Bacteria from Donors  
Costi Sifri, MD  
University of Virginia Health System  
Charlottesville, VA, USA

11:45 am – 12:15 pm Unexpected Travelers: Endemic Infections from Donors  
Daniel Kaul, MD  
University of Michigan  
Ann Arbor, MI, USA

12:15 pm – 12:45 pm CDC Investigations of Transmission of Rare Pathogens: Microsporidia, LCMV, Balamuthia and Rabies: Where Do We Go From Here?  
Sridhar Basavaraju, MD, FACEP  
Centers for Disease Control and Prevention  
Atlanta, GA, USA

**LIVER-KIDNEY TRANSPLANTATION: A CIVIL CAGE MATCH**

Moderators: Ray Kim, MD, Mayo Clinic, Rochester, MN, USA and James Eason, MD, FACS, University of Tennessee, Memphis, TN, USA

11:15 am – 11:45 am Selecting Candidates for Combined Liver-Kidney Transplantation  
Pratima Sharma, MBBS  
University of Michigan Health System  
Ann Arbor, MI, USA

11:45 am – 12:15 pm The Evolution of One Program's Approach to Combined Liver-Kidney Transplantation  
Talia Baker, MD  
Northwestern Memorial Hospital  
Chicago, IL, USA

12:15 pm – 12:45 pm Debate  
**Give Us All Your Kidneys – Pro**  
Sandy Feng, MD, PhD  
University of California, San Francisco  
San Francisco, CA, USA

### **Get Your Own Kidneys – Con**

Gabriel Danovitch, MD  
David Geffen School of Medicine at UCLA  
Los Angeles, CA, USA

### **LIVING LIVER TRANSPLANTATION: THERE HAS TO BE AN EASIER WAY TO EARN A LIVING**

Moderators: Michael Abecassis, MD, MBA, Northwestern University, Chicago, IL, USA and Abhinav Humar, MD, Thomas E. Starzl Transplant Institute, Pittsburgh, PA, USA

- 11:15 am – 11:45 am    Making a Left Turn for Donor Safety  
John Roberts, MD  
University of California, San Francisco  
San Francisco, CA, USA
- 11:45 am – 12:15 pm    Small for Size Syndrome (SFSS): Too Much of a Good Thing, the Case for Portal Inflow Modulation  
Jean Botha, MD  
Wits Donald Gordon Medical Center  
Parktown, South Africa
- 12:15 pm – 12:45 pm    Segmental Hepatic Veins: To Reconstruct or Not to Reconstruct?  
Kyung-Suk Suh  
Seoul National University College of Medicine  
Seoul, Korea

### **NEW DEVELOPMENTS IN SOLID ORGAN TRANSPLANT BIOMARKERS**

Moderators: Sunil Kurian, PhD, The Scripps Research Institute, La Jolla, CA, USA and Bruce McManus, MD, St. Paul's Hospital, Vancouver, BC, Canada

- 11:15 am – 11:45 am    Molecular Markers of Acute and Chronic Kidney Transplant Injury  
Barbara Murphy, MD  
Mt. Sinai School of Medicine  
New York, NY, USA
- 11:45 am – 12:15 pm    Cell Free DNA as a Diagnostic Marker for Transplant Rejection  
Kiran Khush, MD, MAS  
Stanford University  
Stanford, CA, USA
- 12:15 pm – 12:45 pm    Biomarkers in Liver Transplantation  
Josh Levitsky, MD  
Northwestern University Feinberg School of Medicine  
Division of Gastroenterology & Comprehensive Transplant Center  
Chicago, IL, USA



## EXPANDING LIVE DONOR KIDNEY

Moderators: Robert Merion, MD, University of Michigan, Ann Arbor, MI, USA and Krista Lentine, MD, St. Louis University School of Medicine, St. Louis, MO, USA

11:15 am – 11:45 am    Electronic Living Donor Questionnaires  
Deonna Moore, ACNP  
Vanderbilt University Medical Center  
Nashville, TN, USA

11:45 am – 12:15 pm    Best Use of Non-Directed Donors  
Jeffrey Veale, MD  
University of California Los Angeles  
Los Angeles, CA, USA

12:15 pm – 12:45 pm    Live Donor Champions  
Jacqueline M. Garonzik-Wang, MD  
Washington University St. Louis  
St. Louis, MO, USA

## Break

12:45 pm – 1:00 pm

## Luncheon Workshops\*

**1:00 pm – 2:00 pm**

### ARE ANIMAL MODELS IN TRANSPLANTATION USEFUL OR CLINICALLY IRRELEVANT?

Daniel Kreisel, MD, Washington University in St. Louis, St. Louis, MO, USA and Mark Stegall, MD, Mayo Clinic, Rochester, MN, USA

### CANNABIS USE POST-TRANSPLANT: PHARMACOLOGIC IMPACT AND RECOMMENDATIONS FOR MONITORING

Jorge Luis Sotelo, MD, FAPM, University of Miami Miller School of Medicine, Miami, FL, USA and Marilyn Levi, MD, University of Colorado, Denver, CO, USA

### UTERUS TRANSPLANTS

Andrea Tzakis, MD, Cleveland Clinic, Weston, FL USA and Mats Brannstrom, University of Gotenburg, Goteborg, Sweden

### MINORITIES AND TRANSPLANTATION: REDUCING DISPARITIES IN DONATION AND ACCESS

Juan Carlos Caicedo, MD, Northwestern University Feinberg School of Medicine, Chicago, IL, USA and Min C. Yoo, MD, University of Tennessee Health Science Center, Nashville, TN, USA

## DIAGNOSIS AND TREATMENT OF REJECTION IN HAND VS. FACE VCA – SIMILARITIES AND DIFFERENCES

Linda Cendales, MD, Duke University Medical Center, Durham, NC, USA and Stefan Tullius, MD, PhD, Brigham & Womens Hospital, Harvard Medical School, Boston, MA, USA

*\* Ticket event with separate registration fee. Limited attendance.*

### Break

2:00 pm- 2:15 pm

### Concurrent Oral Abstract Sessions

**2:15 pm – 3:45 pm**

### Pediatric Symposium

**2:15 pm – 5:30 pm**

*In collaboration with the International Pediatric Transplant Association (IPTA)*

#### CARDIOVASCULAR DISEASE AND OBESITY IN PEDIATRIC TRANSPLANTATION

#### CARDIOVASCULAR DISEASE AFTER PEDIATRIC TRANSPLANTATION

Moderators: Christian Benden, MD, University Hospital Zurich, Zurich, Switzerland and Kevin Meyers, Children's Hospital of Philadelphia, Philadelphia, PA, USA

- |                   |                                                                                                                                                                         |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2:15 pm – 2:45 pm | The Prevalence and Impact of Cardiovascular Disease in Pediatric Transplantation<br><b>Guido Filler, MD, PhD</b><br>University of Western Ontario<br>London, ON, Canada |
| 2:45 pm – 3:15 pm | Hypertension after Pediatric Transplantation: Diagnosis and Management<br>Tammy McLoughlin Brady, MD, PhD<br>Johns Hopkins University Hospital<br>Baltimore, MD, USA    |
| 3:15 pm – 3:45 pm | Coronary Artery Calcification in Children after Transplantation<br>Mark Mitsnefes, MD<br>Cincinnati Children's Hospital<br>Cincinnati, OH, USA                          |
| 3:45 pm – 4:00 pm | Coffee Break                                                                                                                                                            |

#### OBESITY IN PEDIATRIC TRANSPLANTATION

Moderators: Ron Shapiro, Thomas E Starzl Transplant Institute, Pittsburgh, PA, USA and Lars Pape, MD, Hanover Medical School, Hanover, Germany

- |                  |                                                                             |
|------------------|-----------------------------------------------------------------------------|
| 4:00 pm- 4:30 pm | Impact of the Donor Body Mass Index on the Survival of Pediatric Transplant |
|------------------|-----------------------------------------------------------------------------|

Recipients  
Philip Rosenthal, MD  
University of California San Francisco  
San Francisco, CA, USA

4:30 pm – 5:00 pm      The Impact of Body Mass Index at Time of Transplant on Outcomes in Transplanted Children  
Christian Benden, MD  
University Hospital Zurich  
Zurich, Switzerland

5:00 pm- 5:30 pm      Development of Obesity and Metabolic Syndrome Following Transplantation: Etiology and Impact  
Udo Vester, MD  
University of Duisburg-Essen  
Essen, Germany

### Concurrent Oral Abstract Sessions

**4:00 pm – 5:30 pm**

### Poster Session D

**5:30 pm -6:30 pm**

### ASTS Business Meeting

**5:45 pm – 7:00 pm**

### ATC Night Out featuring “ATC’s Got Talent”

**7:30 pm – 11:00 pm**

OFFSITE: Field House  
1150 Filbert Street  
Philadelphia, PA 19107  
*Separate ticketed event*

## Wednesday, May 6, 2015

### Sunrise Symposia

**7:00 am – 8:15 am**

### HOOPS, GAPS AND APPROVALS: ANTICIPATING AND OVERCOMING MEDICATION COST BARRIERS

Moderators: Erin Ticehurst, PharmD, University Hospital of Pennsylvania, Philadelphia, PA, USA and Diane Jakobowski, MSN, University Hospital of Pennsylvania, Philadelphia, PA, USA

7:00 am – 7:25 am      The Provider Perspective  
Alden Doyle, MD

Drexel University College of Medicine  
Philadelphia, PA, USA

7:25 am – 7:50 am      The Institution Perspective  
Lonnie Smith, PharmD  
University of Utah Healthcare  
Salt Lake City, UT, USA

7:50 am – 8:15 am      The Patient Perspective  
Lisa Potter, PharmD  
University of Chicago Medical Center  
Chicago, IL, USA

#### TAILORING CURRENT IMMUNOSUPPRESSIVE THERAPY IN LIVER TRANSPLANTATION: DISEASESPECIFIC REGIMENS

Moderators: Russell Wiesner, MD, Mayo Clinic, Rochester, MN, USA and Thomas Schiano, MD, Mt. Sinai Medical Center, New York, NY, USA

7:00 am – 7:25 am      Immunosuppression in the Context of HCV Infection in Liver Transplantation  
Michael Charlton, MD  
Intermountain Medical Center  
Murray, UT, USA

7:25 am – 7:50 am      Renal Sparing: Who, What, When?  
John Fung, MD, PhD  
Cleveland Clinic Foundation  
Cleveland, OH, USA

7:50 am – 8:15 am      New Approaches to Immunosuppression in the Setting of Malignancy and Viral Disease  
Michael Curry, MD  
Beth Israel Deaconess Medical Center  
Boston, MA, USA

#### WOMEN'S HEALTH POST-TRANSPLANT: UPDATES AND STRATEGIES FOR CARE

Moderators: Lisa Coscia, RN, BSN, CCTC, National Transplantation Pregnancy Registry, Philadelphia, PA, USA and Tracy Evans-Walker, APRN, CNP, CCTC, Cleveland Clinic, Cleveland, OH, USA

7:00 am – 7:20 am      From Puberty to Menopause: Clinical Guidance for the Female Transplant Recipient  
Veronica Gomez-Lobo, MD  
Washington Hospital Center/Georgetown University  
Washington, DC, USA

7:20 am – 7:40 am      Update on Contraception Options for the Transplant Recipient

Colleen Krajewski, MD, MPH  
University of Pittsburgh  
Pittsburgh, PA, USA

7:40 am – 7:50 am A Tribute to Vincent Armenti  
Lisa Coscia, RN, BSN, CCTC  
National Transplantation Pregnancy Registry  
Philadelphia, PA, USA

7:50 am – 8:10 am Managing Post-Transplant Complications During Pregnancy  
Veronica Gomez-Lobo, MD  
Washington Hospital Center/Georgetown University  
Washington, DC, USA

#### ISCHEMIA-REPERFUSION INJURY AND INITIATION OF INNATE IMMUNITY IN TRANSPLANTATION

Moderators: Roslyn Mannon, MD, University of Alabama at Birmingham, Birmingham, AL, USA and  
William Baldwin, MD, PhD, Cleveland Clinic, Cleveland, OH, USA

7:00 am – 7:25 am Ischemia-Reperfusion Triggering of Innate Immunity in Liver Grafts  
Jerzy Kupiec-Weglinski, MD  
University of California Los Angeles  
Los Angeles, CA, USA

7:25 am – 7:50 am Ischemic Components in Lung Transplants  
Joshua Diamond, MD, MS  
University of Pennsylvania  
Philadelphia, PA, USA

7:50 am – 8:15 am Ischemia Impact on Renal Graft Outcomes  
Stefan Tullius, MD, PhD  
Brigham & Womens Hospital  
Harvard Medical School  
Boston, MA, USA

#### ROBOTIC ASSISTED KIDNEY TRANSPLANTATION

Moderators: Lloyd Ratner, MD, MPH, Columbia University, New York, NY, USA and Marc Melcher, MD,  
Stanford School of Medicine, Palo Alto, CA, USA

7:00 am – 7:25 am Robotic Assisted Kidney Transplantation Using Hand Assisted Device in Lateral  
and Trendelenberg Position  
Jose Oberholzer  
University of Illinois at Chicago  
Chicago, IL, USA

7:25 am – 7:50 am Robotic Kidney Transplantation: From India to Detroit  
Wooju Jeong, MD  
Vattikuti Urology Institute, Henry Ford Health System

Detroit, MI, USA

7:50 am – 8:15 am      Robotic Pancreas Transplantation  
Ugo Boggi, MD  
University of Pisa  
Pisa, Italy

#### BK VIRUS INFECTION IN KIDNEY TRANSPLANTATION: STATE-OF-THE-ART 2015

Moderators: Hans Hirsch, MD, MSC, University of Basel, Basel, Switzerland and Deidre Sawinski, MD, University of the Hospital of Pennsylvania, Philadelphia, PA, USA

7:00 am – 7:25 am      Novel Approaches to the Pathologic and Virologic Diagnosis of BK Virus Infection  
Parmjeet Randhawa, MD  
University of Pittsburgh Medical Center  
Pittsburgh, PA, USA

7:25 am – 7:50 am      Optimal Screening Strategies to Prevent BK Infection  
Eliot Heher, MD  
Massachusetts General Hospital  
Boston, MA, USA

7:50 am – 8:15 am      Approach to the Treatment of BK Viremia and BK Nephropathy  
Joanna Schaenman, MD, PhD  
David Geffen School of Medicine at UCLA  
Los Angeles, CA, USA

#### PEDIATRIC TRANSPLANT SURGERY – A CASEBASE DISCUSSION OF TECHNICAL AND MANAGEMENT CHALLENGES

Moderators: Timothy Schmitt, MD, FACS, University of Kansas Hospital, Kansas City, KS, USA and B. Daniel Campos, MD, Emory University, Atlanta, GA, USA

7:00 am – 8:15 am      Panel Discussion  
Mark Deierhoj, MD, FACS  
University of Alabama at Birmingham  
Birmingham, AL, USA  
  
Douglas Farmer, MD  
Ronald Reagan UCLA Medical Center  
Los Angeles, CA, USA  
  
Alan Langnas, DO  
University of Nebraska Medical Center  
Omaha, NE, USA

and

Dominique Jan, MD, PhD

Montefiore-Albert Einstein School of Medicine  
Bronx, NY, USA

## XENOTRANSPLANTATION: AN UPDATE

Moderators: David Cooper, MD, PhD, University of Pittsburgh, Pittsburgh, PA, USA and Agnes Azimzadeh, PhD, University of Maryland School of Medicine, Baltimore, MD, USA

7:00 am – 7:25 am Advances in Genetic Engineering of Swine  
Joseph Tector, MD, PhD  
Indiana University School of Medicine  
Indianapolis, IN, USA

7:25 am – 7:50 am Immunosuppression in Xenotransplantation  
Muhammed Mohiuddin, MD  
NHLBI / National Institutes of Health  
Bethesda, MD, USA

7:50 am – 8:15 am Islet Xenotransplantation: An Update  
Bernhard Hering, MD  
University of Minnesota  
Minneapolis, MN, USA

## Break

8:15 am – 8:30 am

## Joint Plenary

**8:30 am – 10:00 am**

## Coffee Break

**10:00 am – 10:15 am**

## Innovators in Transplantation

**10:15 am – 11:30 am**

Moderators: Robert Fairchild, PhD, Cleveland Clinic Foundation, Cleveland, OH, USA and Dorry Segev, MD, PhD, Johns Hopkins University School of Medicine, Baltimore, MD, USA

10:15 am – 10:30 am Introduction

10:30 am – 11:00 am Sir Roy Calne  
Strangeways Res Laboratory  
Cambridge, United Kingdom

11:00 am – 11:30 am Terry Strom, MD  
Beth Israel Deaconess Medical Center  
Boston, MA, USA

## What's Hot, What's New

### **11:30 am – 12:30 pm**

Moderators: Charles Miller, MD, Cleveland Clinic Foundation, Cleveland, OH, USA and James Allan, MD, Massachusetts General Hospital, Marblehead, MA, USA

11:30 am – 12:00 pm    Basic

Peter Heeger, MD

Ichahn School of Medicine at Mt. Sinai

New York, NY, USA

12:00 pm – 12:30 pm    Clinical

Randall Sung, MD

University of Michigan

Ann Arbor, MI, USA



