

Saturday, June 1, 2019
In-Depth Symposia (Additional Fee)
1:00pm-5:30pm

HLA-Beyond the Basics of A, B, and Dr

1:00pm-5:30pm

1:00pm-5:30pm

Moderators: Elaine Reed, PhD, University of California Los Angeles Health, Los Angeles, CA. Peter Nickerson, MD, FRCPC, University of Manitoba, Winnipeg, Canada.

1:00pm-1:20pm

Antibody Mediated Injury Through the Pathologist's Lens –What Does Suspicious Mean?
Lynn Cornell, MD, Mayo Clinic, Rochester, MN .

1:20pm-1:30pm

Audience Discussion

1:30pm-1:50pm

Antibody Mediated Injury from the Nephrologist's Perspective: Current Dilemmas and Future Directions
Darshana Dadhania, MD, MS, Weill Cornell Medicine, New York City, NY.

1:50pm-2:00pm

Audience Discussion

2:00pm-2:20pm

Accommodation to Antibodies
Elaine Reed, PhD, University of California Los Angeles Health, Los Angeles, CA.

2:20pm-2:30pm

Audience Discussion.

2:30pm-2:40pm

Debate-PRO: Monitoring for Donor Specific Antibody on a Routine Basis Is Necessary!
Peter Nickerson, MD, FRCPC, University of Manitoba, Winnipeg, Canada.

2:40pm-2:50pm

Debate-CON: Monitoring for Donor Specific Antibody on a Routine Basis is NOT Necessary!
Howard Gebel, PhD, Emory University, Atlanta, GA.

2:50pm-2:455pm

Debate - PRO: Rebuttal
Peter Nickerson, MD, FRCPC, University of Manitoba, Winnipeg, Canada.

2:55pm-3:00pm

Debate - CON: Rebuttal
Howard Gebel, PhD, Emory University, Atlanta, GA.

3:00pm-3:10pm

Audience Discussion

3:10pm-3:30pm

Coffee Break

3:30pm-3:50pm

Algorithms for Epitope Matching
Vasilis Kosmoliaptis, MD, PhD, University of Cambridge, Cambridge, United Kingdom.

3:50pm-4:00pm

Audience Discussion

4:00pm-4:20pm

Reviewing Available Data on Outcomes
TBD

4:20pm-4:30pm

Audience Discussion

4:30pm-4:50pm

Comprehensive Tour of Non-HLA Antibodies
Matthew Everly, PharmD, Terasaki Research Institute, Los Angeles, CA.

4:50pm-5:00pm

Audience Discussion

5:00pm-5:20pm

Clinical Relevance of Non-HLA Antibodies
Dany Anglicheau, MD, PhD, Necker-Children Malades Hospital, Paris, France.

5:20pm-5:30pm

Audience Discussion

The Changing Landscape of Liver Transplantation

1:00pm-5:30pm**1:00pm-5:30pm**

Moderators: Mike Abecassis, MD, MBA, Northwestern Medicine, Feinberg School of Medicine, Chicago, IL. David Goldberg, MD, MSCE, University of Pennsylvania, Philadelphia, PA.

1:00pm-1:20pm**Challenges of NASH and Obesity**

Kymerly Watt, MD, Mayo Clinic, Rochester, MN.

1:20pm-1:30pm**Audience Discussion****1:30pm-1:50pm****Challenges of Retransplantation**

Carlos O. Esquivel, MD, PhD, Stanford Abdominal Transplantation, Stanford, CA.

1:50pm-2:00pm**Audience Discussion****2:00pm-2:20pm****The Increasing Burden of Renal Disease**

Patricia Sheiner, MD, FACS, Hartford Hospital, Hartford, CT.

2:20pm-2:30pm**Audience Discussion****2:30pm-2:50pm****How to Transplant Low MELD Patients**

Alan Langnas, DO, University of Nebraska, Omaha, NE.

2:50pm-3:00pm**Audience Discussion****3:30pm-3:50pm****New and Extended Indications for LT in the Future**

Marwan Abouljoud, MD, Henry Ford Hospital, Detroit, MI.

3:50pm-4:00pm**Audience Discussion****4:00pm-4:15pm****The Future of the Liver Transplant Workforce - Surgeon Perspective**

Mike Engelsbe, MD, University of Michigan, Ann Arbor, MI.

4:15pm-4:30pm**The Future of the Liver Transplant Workforce - Mid-****level Provider Perspective**

Georgeine Smith, MHS, MS, The Hospital of the University of Pennsylvania, Philadelphia, PA.

4:30pm-4:45pm**The Future of the Liver Transplant Workforce - Hepatologist Perspective**

Robert Brown, MD, MPH, Weill Cornell Medical College, New York, NY.

4:45pm-5:00pm**The Future of Liver Transplant Workforce Panel Discussion****Leadership Bootcamp: Growth, Sustainability and Fiscal Management of Transplant Programs****1:00pm-4:50pm****1:00pm-4:50pm**

Moderators: John Gutowski, FACHE, University of Colorado Health, Aurora, CO. Laura Stillion, MHA, FACHE, The Ohio State University Wexner Medical Center, Columbus, OH.

1:00pm-1:30pm**Playing Small Ball: Administrative and Clinical Challenges**

Marc Garfinkel, MD, SIU School of Medicine, Springfield, IL.

1:30pm-1:40pm**Audience Discussion****1:40pm-2:10pm****Innovations in Growth and Marketing**

Jennifer Milton, RN, MBA, University Transplant Center, San Antonio, TX.

2:10pm-2:20pm**Audience Discussion****2:20pm-2:50pm****Pros and Cons of Transplant Models: Institutes and Service Lines**

TBD

2:50pm-3:00pm**Audience Discussion****3:00pm-3:30pm****Coffee Break**

3:30pm-4:00pm**Common Errors in Medicare Cost Report Preparation**

Ed Zavala, MBA, Vanderbilt University Medical Center, Nashville, TN.

4:00pm-4:10pm**Audience Discussion****4:10pm-4:40pm****Implications for Staffing of the Long-Term Care of Transplant Patients**

Laura Stillion, MHA, FACHE, The Ohio State University Wexner Medical Center Columbus, OH.

4:40pm-4:50pm**Audience Discussion****The Basics of Heart & Lung Transplantation: Clinical Perspectives and Evidence-Based Management****1:00pm-5:30pm****1:00pm-3:00pm Moderators:** Kevin Daly, MD, Boston Children's Hospital, Boston, MA. Jon Kobashigawa, MD, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA.**1:00pm-1:20pm****Primary Graft Failure in Heart Transplantation**

Maryjane Farr, MD, Columbia University Medical Center, New York, NY.

1:20pm-1:40pm**Management of Common Post-Transplant Complications**

Shelley Hall, MD, Baylor University Medical Center, Dallas, TX.

1:40pm-2:00pm**Mechanical Circulatory Support as a Bridge to Heart Transplantation**

Jeff Teuteberg, MD, Stanford University, Stanford, CA.

2:00pm-2:20pm**Evaluation for Heart Transplant Candidacy: Key Concepts**

Donna Mancini, MD, Mount-Sinai, New York, NY,

2:20pm-2:40pm**Monitoring, Diagnosis and Treatment of Rejection in Heart Transplantation**

Josef Stehlik, MD, MPH, University of Utah School of Medicine, Salt Lake City, UT.

2:40pm-3:00pm**Panel Discussion****3:00pm-3:30pm****Coffee Break****3:30pm-5:30pm****Moderators:** Sangeeta Bhorade, MD, Northwestern Medicine, Chicago, IL. Daniel Dilling, MD, Loyola University Chicago, Stritch School of Medicine, Maywood, IL.**3:30pm-3:50pm****Evaluation for Lung Transplant Candidacy: Key Concepts**

Jonathan Singer, MD, MS, UCSF, San Francisco, CA.

3:50pm-4:10pm**The Use of Mechanical Assist Devices in Bridging to Lung Transplantation**

Marty Zamora, MD, University of Colorado Denver, Denver, CO.

4:10pm-4:30pm**Primary Graft Failure in Lung Transplantation**

Jeffrey D. Edelman, MD, University of Washington, Seattle, WA.

4:30pm-4:50pm**Monitoring, Diagnosis and Treatment of Rejection in Lung Transplantation**

Deborah Levine, MD, University of Texas Health Science Center San Antonio, San Antonio, TX.

4:50pm-5:10pm**Management of Common Post-Transplant Complications**

Marie Budev, DO, The Cleveland Clinic, Cleveland, OH

5:10pm-5:30pm**Panel Discussion****Managing Kidney Renal Allograft Failure to Re-Transplantation (KRAFT): Challenges and Opportunities****1:00pm-4:50pm****1:00pm-4:50pm****Moderators:** Martha Pavlakis, MD, Beth Israel Deaconess

Medical Center, Boston, MA. Jim Rice, MD, Scripps, La Jolla, CA.

1:00pm-1:30pm

Managing CKD V in Recipients with Failing Kidney Allografts: Are Transplant Nephrologists Up to the Task?

Robert Gatson, MD, University of Alabama, Birmingham, AL.

1:30pm-1:40pm

Audience Discussion

1:40pm-2:10pm

Increased Mortality in Recipients with a Failed Kidney Allograft: Why so High?

John Gill, MD, MS, Providence Health Care, Vancouver, BC.

2:10pm-2:20pm

Audience Discussion

2:20pm-2:50pm

Outcomes of Renal Re-transplantation

Todd Pesavento, MD, The Ohio State University, Columbus, OH.

2:50pm-3:00pm

Audience Discussion

3:00pm-3:30pm

Coffee Break

3:30pm-4:00pm

The Changing Face of Sensitization in Recipients with Failing Kidney Allograft

Carrie Schinstock, MD, Mayo Clinic, Rochester, MN.

2:50pm-3:00pm

Audience Discussion

4:10pm-4:40pm

Collaborative Relationship: Is it Possible to Improve Care of Recipients with Failing Kidney Allografts?

TBD

4:40pm-4:50pm

Audience Discussion

The Multidisciplinary Team: Solving Problems in the Modern World

1:00pm-5:35pm

1:00pm-3:00pm Moderators: Brenda Kowinski, MSN, RN, CCTC, NATCO, Indianapolis IN. Joyce Trompeta, PhD, PNP, University of California, San Francisco, San Francisco, CA.

1:00pm-1:20pm

Undocumented Immigrants: Transplant Center Responsibilities; Strategies to Handle Difficult Situation; Legal and Fiscal Concerns

Luke Preczewski, BS, Jackson Health System, Miami, FL.

1:20pm-1:30pm

Audience Discussion

1:30pm-1:50pm

Media and Judicial Influence on OPTN Organ Allocation Policy

Stuart Sweet, MD, PhD, Washington University, St. Louis, MO.

1:50pm-2:00pm

Audience Discussion

2:00pm-2:20pm

Transplanting HepC+ to HepC-: What are the financial implications?

Cameron Wolfe, MBBS, MPH, Duke University Medical Center, Durham, NC.

2:20pm-2:30pm

Audience Discussion

2:30pm-2:50pm

Chronic Sorrow

Stacia Hays, DNP, CPNP, University of Florida, Gainesville, FL.

2:50pm-3:00pm

Audience Discussion

3:00pm-3:30pm

Coffee Break

3:30pm-5:35pm Moderators: Tiffany Buda, RSN, BSN, Cleveland Clinic, Cleveland, OH. Linda Ohler, New York University Langone Health, New York, NY.

3:30pm-3:50pm

Development of APP Staffing Models, Supporting Inpt and Outpt Tx Service lines

Karen Kerepesi, PA, Cleveland Clinic, Cleveland, OH.

3:50pm-3:55pm

Audience Discussion

3:55pm-4:15pm**APN as Gatekeeper in Diagnosis of Cardiac Primary Dysfunction**

Maureen Flattery, MD, VCU Health, Richmond, VA.

4:15pm-4:20pm

Audience Discussion

4:20pm-4:40pm**Avoiding the ER: APP-Run Post-Transplant Urgent Care Clinics**

Rebecca Duke, APRN-CNP, DNP, Northwestern Memorial Hospital, Chicago, IL.

4:40pm-4:45pm

Audience Discussion

4:45pm-5:05pm**No Urine? No Problem! APP-Run DGF Clinics**

Brenda Muth, NP, University of Wisconsin, Madison, WI.

5:05pm-5:10pm

Audience Discussion

5:10pm-5:30pm**Development of Clinic Transplant Pharmacist Services: Who, What, When, and Where**

Lisa Potter, PharmD, BCPS, University of Chicago Medicine, Chicago, IL.

5:30pm-5:35pm

Audience Discussion

Transplant Infectious Disease**1:00pm-5:30pm****1:00pm-2:00pm Moderators:** Camille Kotton, MD, Massachusetts General Hospital, Boston, MA. Jonathan Hand, MD, Ochsner Medical Center, New Orleans, LA.**1:00pm-1:20pm****Managing Infections in Transplant Candidates: Overview of Pre-Transplant Evaluation**

Judith Anesi, MD, University of Pennsylvania, Philadelphia, PA.

1:20pm-1:40pm**Managing Infections in Transplant Candidates: MDROs- Treatment and Does it Affect Candidacy?**

Ghady Haidar, MD, University of Pittsburgh Medical Center Pittsburgh, PA.

1:40pm-2:00pm**Managing Infections in Transplant Candidates: LVAD Infections**

Christine Koval, MD, Cleveland Clinic, Cleveland OH.

2:00pm-3:00pm Moderators: Susanna Tan, MD, Stanford

University, Stanford, CA. Nicole Theodoropoulos, MD, MS, University of Massachusetts, Worcester, MA

2:00pm-2:20pm**Managing Complicated Infections in Transplant Recipients: Managing Post-Transplant TB**

Aruna Subramaniam, MD, Stanford University, Stanford, CA.

2:20pm-2:40pm**Managing Complicated Infections in Transplant Recipients: Managing BK-Updates in Therapeutic Options**

Hans Hirsch, MD, MSc, University of Basel, Basel, Switzerland.

2:40pm-3:00pm**Managing Complicated Infections in Transplant Recipients: Non-Aspergillus Moulds**

Shahid Husain, MD, MS, University Health Network, Toronto, Canada.

3:15pm-3:45pm

Coffee Break

3:45pm-4:45pm Moderators: Emily Blumberg, MD, FAST, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA. Monica Ardura, DO, MSCS, Nationwide Children's Hospital & The Ohio State University, Columbus, OH.**3:45pm-4:05pm****TID is a Team Sport!: The Cutting Edge Surgeons Perspective of Managing Post-Transplant Infections**
Abhinav Humar, MD, University of Pittsburgh, Pittsburgh, PA.**4:05pm-4:25pm****TID is a Team Sport!: A Day in the Life- The Pharmacist's Role in Management of SOT Infections**
Gregory Malat, PharmD, Hahnemann University Hospital, Philadelphia, PA.

4:25pm-4:45pm**T1D is a Team Sport! Tell me Why-The 'Path' to Diagnosis of SOT Infections**

Maricar Malinis, MD, Yale University School of Medicine, New Haven, CT.

4:45pm-4:50pm**Cases in Transplant Infections-Stump The Expert**

Lara Danziger-Isakov, MD, MPH, Cincinnati Children's Hospital Medical Center, Cincinnati, OH.

4:50pm-4:55pm**Cases in Transplant Infections-Stump The Expert**

Nicole Theodoropoulos, MD, MS, University of Massachusetts Medical School, Worcester, MA.

4:55pm-5:00pm**Cases in Transplant Infections-Stump The Expert**

Lillian Abbo, MD, University of Miami/Jackson Health System, Miami, FL.

5:00pm-5:05pm**Cases in Transplant Infections-Stump The Expert**

Shirish Huprikar, MD, The Mount Sinai Hospital, New York, NY.

5:05pm-5:10pm**Cases in Transplant Infections-Stump The Expert**

Jonathan Hand, MD, Ochsner Medical Center, New Orleans, LA.

5:10pm-5:15pm**Cases in Transplant Infections-Stump The Expert**

Fernanda Silveira, MD, University of Pittsburgh and UPMC, Pittsburgh, PA.

5:15pm-5:30pm**Audience Discussion****Molecular Dissection of Rejection****1:00pm-5:30pm**

1:00pm-3:00pm Moderators: Christopher Blosser, MD, University of Washington Division of Nephrology, Seattle, WA. Lorenzo Gallon, MD, Northwestern University, Chicago, IL.

1:00pm-1:20pm**Molecular Approaches to Chronic Allograft Injury**

Enver Akalin, MD, FAST, Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY.

1:20pm-1:30pm**Audience Discussion****1:30pm-1:50pm****Biomarkers in Graft Rejection**

Manikkam Suthanthiran, MD, Weill Cornell Medicine, New York, NY.

1:50pm-2:00pm**Audience Discussion****2:00pm-2:20pm****Single Cell Approaches to Rejection**

Emmanuel Zorn, PhD, Columbia University Medical Center, New York, NY.

2:20pm-2:30pm**Audience Discussion****2:30pm-2:50pm****Epigenetic and Transplantation**

Valeria Mas, PhD, University of Virginia School of Medicine, Charlottesville, VA.

2:50pm-3:00pm**Audience Discussion****3:00pm-3:30pm****Coffee Break**

3:30pm-5:30pm Moderators: Loren Gragert, PhD, Tulane University School of Medicine, New Orleans, LA. Lorenzo Gallon, MD, Northwestern University, Chicago, IL.

3:30pm-3:50pm**DNA Biomarkers of Graft Rejection**

Minnie Sarwal, PhD, MD
UCSF
San Francisco, CA.

3:50pm-4:00pm**Audience Discussion****4:00pm-4:20pm****Linking Molecular Signatures of Rejection to Histology**

Philip Halloran, MD, University of Alberta, Edmonton, Canada.

4:20pm-4:30pm**Audience Discussion**

4:30pm-4:50pm**Learning from Large Genomic Studies in Transplantation**

Brendan Keating, D. Phil, University of Pennsylvania, Philadelphia, PA.

4:50pm-5:00pm**Audience Discussion****5:00pm-5:20pm****B Cell Biomarkers for Transplantation**

David Rothstein, MD, University of Pittsburgh, Pittsburgh, PA.

5:20pm-5:30pm**Audience Discussion****Basic Science for the Clinician-Transplant Rejection****1:00pm-5:30pm****1:00pm-5:30pm****Moderators:** Arjang Djamali, MD, MS, University of Wisconsin School of Medicine and Public Health, Madison, WI. Kassem Safa, MD, FASN, Massachusetts General Hospital, Boston, MA.**1:00pm-1:20pm****Costimulation for Clinicians**

Andrew Adams, MD/PhD, Emory University, Atlanta, GA.

1:20pm-1:30pm**Audience Discussion****1:30pm-1:50pm****Diagnosis of AMR - What the Clinician Needs to Know**Jacqueline O'Leary, MD, MPH
UT Southwestern Medical Center
Dallas, TX.**1:50pm-2:00pm****Audience Discussion****2:00pm-2:20pm****Basic Science of B Cell Mediated Rejection from a Clinician's View**

Stanley Jordan, MD, Cedars-Sinai Medical Center, West Hollywood, CA.

2:20pm-2:30pm**Audience Discussion****2:30pm-2:50pm****T Cell Subsets - What a Clinician Needs to Know**

Xounrong Luo, MD, PhD, Duke University, Durham, NC.

2:50pm-3:00pm**Audience Discussion****3:00pm-3:30pm****Coffee Break****3:30pm-3:50pm****Innate Immune System for Clinicians**

Martin Oberbarnscheidt, MD, PhD, University of Pittsburgh, Pittsburgh, PA.

3:50pm-4:00pm**Audience Discussion****4:00pm-4:20pm****Complement Inhibition in Transplantation**

Rex Neal-Smith, MD, PhD, Massachusetts General Hospital, Boston, MA.

4:20-4:30pm**Audience Discussion****4:30-4:50pm****T Regs in Transplantation**

Anil Chandraker, MD, Brigham Health-Brigham and Women's Hospital, Boston, MA.

4:50-5:00pm**Audience Discussion****5:00pm-5:20pm****Endothelial Biology**

David Briscoe, MD, Boston Children's Hospital and Harvard Medical School Boston, MA.

5:20pm-5:30pm**Audience Discussion****Congress Begins****5:30pm-7:30pm** Opening Reception with Exhibits**5:30pm-7:30pm** Poster Session A

Sunday, June 2, 2019**Sunrise Symposia: Interactive
(Continental Breakfast Included)****7:00am-8:15am****Non-Tuberculous Mycobacteria in Lung
Transplant Recipients****7:00am-8:15am****Moderators:** Scott Palmer, MD, MHS, Duke University, Durham, NC. Aruna Subramanian, MD, Stanford University, Stanford, CA.**7:00am-7:20pm****Epidemiology and Management of Non-Tuberculous
Mycobacteria in Lung Transplant Recipients**

Michele Morris, MD, University of Miami Miller School of Medicine, Miami Florida.

7:20am-7:35am**Debate - Pro: Mycobacterium Abscessus and Lung
Transplant: To Transplant or Not to Transplant**

Ricardo La Hoz, MD, UT Southwestern Medical Center Dallas, TX.

7:35am-7:50am**Debate - Con: Mycobacterium Abscessus and Lung
Transplant: To Transplant or Not to Transplant**

Joshua Mooney, MD, MS, Stanford University, Stanford, CA.

7:50am-7:55am**Debate - Pro: Rebuttal**

Ricardo La Hoz, MD, UT Southwestern Medical Center, Dallas, TX.

7:55am-8:00am**Debate - Con: Rebuttal**

Joshua Mooney, MD, MS, Stanford University, Stanford, CA.

8:00am-8:15am**Audience Discussion****Can We Solve the Organ Discard Problem?****7:00am-8:15am****Moderators:** Ryutarō Hirose, MD, University of California San Francisco, San Francisco, CA. David Klassen, MD, UNOS, Richmond, VA.**7:00am-7:20am****Who Can Tolerate a Marginal Kidney? Predicting
Survival After Transplantation**

Dory Segev, MD, PhD, Johns Hopkins University, Baltimore, MD.

7:20am-7:40am**PHS Risk Status: Time for a Change?**

Cameron Wolfe, MBBS(Hons), MPH, Duke University Medical Center, Durham, NC.

7:40am-8:00am**Can we Predict Organ Discard?**

Darren Stewart, MS, UNOS, Richmond, VA.

8:00am-8:15am**Panel Discussion****Immunosuppression in 2019 and Beyond:
Considerations for CNU****7:00am-8:15am****Moderators:** Ahmed Aljedai, Pharm. D., MBA, King Faisal Specialist Hospital and Research Centre, Riyadh, Saudi Arabia. Simon Tremblay, PharmD, MS, University of Cincinnati, Cincinnati, OH.**7:00am-7:15am****Conversion to Improve Adherence: Change in
Formulation or Agent**

Mary Moss Chandran, PharmD, BCPS, Children's Hospital Colorado, Denver, CO.

7:15am-7:30am**Conversion to improve Adherence: Psychosocial
Factors and Therapy**

John Peipert, PhD, Northwestern Medicine, Chicago, IL.

7:30am-7:45am**Conversion to Improve Renal Function in Patients
with Persistent Renal Dysfunction: Change to mTOR
Inhibitor**

TBD

7:45am-8:00am**Conversion to Improve Renal Function in Patients
with Persistent Renal Dysfunction: Change to
Belatacept**

Patricia West-Thielke, PharmD, BCPS, University of Illinois of Chicago, Chicago, IL.

8:00am-8:15am

Panel Discussion

Trying to Avoid Intestinal Transplantation in the Patient with Short Gut Syndrome**7:00am-8:15am****Moderators:** Cal Matsumoto, MD, MedStar Health, Washington, DC. Thomas Schiano, MD, The Mount Sinai Medical Center, New York, NY.**7:00am-7:20am****Can I Use Diet and Medications? – Multidisciplinary Medical Management of the Patient with Intestinal Failure**

Syed-Mohammed Jafri, MD, Henry Ford Hospital, Detroit, MI.

7:20am-7:40am**Surgical Management - Can I Do Surgery to Prevent Future Transplant?**

George Mazariegos, MD, Children's Hospital of Pittsburgh, Pittsburgh, PA.

7:40am-8:00am**While Trying to Avoid a Transplant, How Do We Treat the Complications from Intestinal Failure and TPN?**

Maria Cristina Segovia, MD, Duke University Hospital, Chapel Hill, NC.

8:00am-8:15

Panel Discussion

Acute Liver Failure: We Came, We Saw, Have We Conquered?**7:00am-8:15am****Moderators:** Catherine Frenette, MD, FAST, Scripps Center for Organ Transplant, La Jolla, CA. Daniel Ganger, MD, FACP, Northwestern Medicine, Chicago, IL.**7:00am-7:20am****20 years of Contributions to ALF Management: An Update from the ALFSG**

Daniel Ganger, MD, FACP, Northwestern Medicine, Chicago, IL.

7:20am-7:40am**Does My ALF Patient Need a Liver Transplant?**

William Bernal, MD, FRCP, Liver Intensive Therapy Unit, Kings College Hospital London, United Kingdom.

7:40am-8:00am**Successful Management of the Patient with Acute Liver Failure and When is it Futile?**

Constantine Karvellas, MD, SM, University of Alberta, Edmonton, Canada.

8:00am-8:15am

Panel Discussion

Keeping it Real, the Motto of 'One Transplant for Life'. Addressing the Unmet Need of Post-Transplant Education and Communication**7:00am-8:15am****Moderators:** Anita Patel, MD, Henry Ford Transplant Institute, Detroit, MI. Milagros Samaniego, Henry Ford Transplant Institute, Detroit, MI.**7:00am-7:15am****Improve Access For Patients Away From the Primary Transplant Center: Telemedicine and Mobile Clinics**

Richard Formica, MD, Yale School of Medicine, New Haven, CT.

7:15am-7:30am**Educating and Communicating with Community Specialists, Primary Care Providers, Care Partners and Patients – How Do Canadians Do This?**

Marcelo Cantarovich, MD, Professor of Medicine, McGill University Health Centre Research Institute, Montreal, Quebec.

7:30am-7:45am**Insurance Organizations and Ensurance of Transplant Health Care, Role of Lobbying and Legislation**

Matthew Cooper, MD, Professor of Surgery, Medstar Georgetown Transplant Institute, Washington, DC.

7:45am-8:00am**Taking Transplant Medicine to the Community: Outreach models, Communication and Educational Endeavors**

Marwan Abouljoud, MD, Henry Ford Hospital, Detroit, MI.

8:00am-8:15am

Panel Discussion

Approach to Desensitization Pre and Post Heart Transplantation

7:00am-8:15am

Moderators: Monica Colvin, MD, MS, Frankel Cardiovascular Center- Michigan Medicine, Midland, MI. Josef Stehlik, MD, MPH, University of Utah School of Medicine Salt Lake City, UT.

7:00am-7:20am

Understanding Regulation of Antibody Production
Annette Jackson, PhD, Duke University, Durham, NC.

7:20am-7:40am

Emerging Therapies for Desensitization
Jignesh Patel, MD, PhD, Cedars-Sinai, Beverly Hills, CA.

7:40am-8:00am

Managing De Novo DSA After Heart Transplantation
Robert Cole, MD, Emory University, Atlanta, GA.

8:00am-8:15am

Panel Discussion

A to Z in HIV to HIV Kidney Transplantation

7:00am-8:15am

Moderators: Shirish Huprikar, MD, The Mount Sinai Hospital, New York, NY. Peter Stock, MD, PhD, University of San Francisco California, San Francisco, CA.

7:00am-7:20am

Getting Over the Hump: Barriers of HIV Pre-kidney Transplant Evaluation
Dong Heun Lee, MD, Drexel University, Philadelphia, PA.

7:20am-7:40am

Pumping Up the Pool: Soliciting HIV+ Kidney Donors
Christine Durand, MD, Johns Hopkins School of Medicine Baltimore, MD.

7:40am-8:00am

In the Home Stretch: Successful HIV Post-Kidney Transplant Care
Deirdre Sawkinski, MD, University of Pennsylvania, Philadelphia, PA.

8:00am-8:15am

Panel Discussion

Gender Disparity in Transplantation

7:00am-8:15am

Moderators: Mitra Nadim, MD, FASN, University of Southern California, Los Angeles, CA. Elizabeth Chua, MD, FASN, Va Baptist Medical Center, Montgomery, VA.

7:00am-7:20am

Donor-Recipient Gender Mismatch in Liver Transplantation
Elizabeth Pomfret, MD, PhD, University of Colorado Anschutz Medical Campus Aurora, CO.

7:20am-7:40am

Gender Differences in Post Transplant Outcomes
Susan Orloff, MD, FACS, Oregon Health & Science University, Portland, OR.

7:40am-8:00am

Access to Care and Social Determinants in Kidney Transplantation
Milda Saunders, MD, MPH, University of Chicago Medicine, Chicago, IL.

8:00am-8:15am

Panel Discussion

Expanding the Lung Donor Pool While Optimizing Patient Outcomes

7:00am-8:15am

Moderators: Allan Glanville, MBBS, MD, St. Vincent's Hospital, Sydney, Australia. Daniel Dilling, MD, Loyola University Chicago, Stritch School of Medicine, Maywood, IL.

7:00am-7:15am

Using Ex Vivo Lung Perfusion for Functionally Impaired and Standard Donor Lungs
Marcelo Cypel, MD, MSc, University of Toronto, Toronto, ON.

7:15am-7:30am

High Risk Donors and Post-Transplant Recipient Outcomes
Carli Lehr, MD, Cleveland Clinic, Cleveland, OH.

7:30am-7:45am

Pushing the Envelope: When to Consider the Extended Criteria Donor?
Christine Koval, MD, Cleveland Clinic, Cleveland, OH.

7:45am-8:00am

HIV and Hepatitis C Donors – Nuts and Bolts of How

to Use Them in Lung Transplantation

Ken McCurry, MD, Cleveland Clinic, Cleveland, OH.

8:00am-8:15am

Panel Discussion

Pediatric Kidney Transplantation: Barriers to Success**7:00am-8:15am****Moderators:** Eileen Brewer, MD, Texas Children's Hospital/Baylor College of Medicine, Houston, TX. Rouba Garro, MD, Emory University, Atlanta, GA.**7:00am-7:20am****Pediatric Nonadherence**

Thomas Nevins, MD, University of Minnesota Department of Pediatrics, Saint Paul, MN.

7:20am-7:40am**Transplanting Children with FSGS - Diagnosis, Prevention and Management of Recurrence**

Priya Verghese, MD, University of Minnesota, Minneapolis, MN.

7:40am-8:00am**Cardiovascular Risk in Pediatric Kidney Recipients: Burden and Impact**

Michael Seifert, MD, MSCI, University of Alabama School of Medicine, Birmingham, AL.

8:00am-8:15am

Panel Discussion

Optimizing Management of the Metabolic Syndrome After Liver Transplantation**7:00am-8:15am****Moderators:** James N Fleming, PharmD, Medical University of South Carolina, Charleston, SC. Kymberly Watt, MD, Mayo Clinic, Rochester, MN.**7:00am-7:10am****Cardiovascular Disease Risk Factor Optimization After Liver Transplantation: Do's, Don'ts and Drug Management (Clinician Perspective)**

Lisa VanWagner, MD MSc, Northwestern Medicine, Chicago, IL.

7:10am-7:20am**Cardiovascular Disease Risk Factor Optimization****After Liver Transplantation: Do's, Don'ts and Drug Management (Pharmacist Perspective)**

Erin Ticehurst, PharmD, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA.

7:20am-7:25am

Audience Discussion

7:25am-7:35am**Prevention and Management of Obesity After Liver Transplantation: Implications for Immunosuppression (Clinician Perspective)**

Angela Fitch, MD, Massachusetts General Hospital, Boston, MA.

7:35am-7:45am**Prevention and Management of Obesity after Liver Transplantation: Implications for Immunosuppression (Pharmacist Perspective)**

Tiffany Kaiser, PharmD, University of Cincinnati, Cincinnati, OH.

7:45am-7:50am

Audience Discussion

7:50am-8:00am**Practical Strategies for Glucose Control and Diabetes Prevention after Liver Transplant: Where Are We Now? (Clinician Perspective)**

TBD

8:00am-8:10am**Practical Strategies for Glucose Control and Diabetes Prevention after Liver Transplant: Where Are We Now? (Pharmacist Perspective)**

Jeong Park, MS, PharmD, University of Michigan, Ann Arbor, MI.

8:10am-8:15am

Audience Discussion

Sunrise Symposia: Didactic (Continental Breakfast Included)**7:00am-8:15am****Tissue Engineering in Transplantation****7:00am-8:15am****Moderators:** Jeffrey Fair, MD, University of Texas Medical

Branch, Galveston, TX. Jason Wertheim, MD, PhD,
 Northwestern University, Chicago, IL.

7:00am-7:20am

**Tissue Biofabrication for Transplantation - DOD
 Perspective**
 TBD

7:20am-7:25am

Audience Discussion

7:25am-7:45am

**Advanced Regenerative Manufacturing Institute:
 Technologies to Make the Tissues of Tomorrow**
 Su Ryon Shin, PhD, Harvard University, Cambridge, MA.

7:45am-7:50am

Audience Discussion

7:50am-8:10am

**Manufacturing a New Population of Cell Types for
 Organ Engineering and Transplantation**
 Jan Jensen, PhD, Trailhead Biosystems Inc., Cleveland, OH.

8:10am-8:15am

Audience Discussion

Antibody Functions in Tissues & Regulations

7:00am-8:15am

Moderators: Melissa Yeung, MD, Harvard Medical School,
 Boston, MA. Philip Halloran, University of Alberta, Edmonton,
 Canada.

7:00am-7:20am

Antibody Accommodation in Tissues
 Elaine Reed, PhD, University of California Los Angeles Health,
 Los Angeles, CA

7:20am-7:25am

Audience Discussion

7:25am-7:45am

Antibody Functionality Through Glycosylation
 Robert Anthony, PhD, Massachusetts General Hospital &
 Harvard School of Medicine, Boston, MA.

7:45am-7:50am

Audience Discussion

7:50am-8:10am

Antibody Functions in Grafts
 Emmanuel Zorn, PhD, Columbia University Medical Center,
 New York, NY.

8:10am-8:15am

Audience Discussion

8:15am-8:30am Break

8:30am-9:30am Joint Plenary I

9:30am-9:45am Joint Award Session

9:45am-10:00am ASTS Research Grants

10:00am-10:15am ASTS Pioneer Award

10:15am-10:30am AST Awards

10:30am-10:45am AST Lifetime Achievement Award

10:45am-11:15am Coffee Break in Exhibit Hall

Midday Symposia Interactive

11:15am-12:45pm

Lung Transplantation: From Bench to Bedside and Back

11:15am-12:45pm

Moderators: Scott Palmer, MD, MHS, Duke University,
 Durham, NC. Jonathan Singer, MD, MS, University of California
 San Francisco, San Francisco, CA.

11:15am-11:30am

**Basic Mechanisms of Lung Transplant Rejection: New
 Insights from Pre-Clinical Models**
 Daniel Kreisel, MD, PhD, Washington University, St Louis, MO.

11:30am-11:45am

**Acute and Humoral Rejection After Lung
 Transplantation: Risk Factors and Mechanisms**
 Ramsey Hachem, MD, Washington University School of
 Medicine, St. Louis, MO.

11:45am-12:00pm

CLAD: Emerging Phenotypes and New Insights into

Mechanisms and Treatments

John Belperio, MD, UCLA, Los Angeles, CA.

12:00pm-12:15pm**Lung Transplantation and the Microbiome**

Sangeeta Borhade, MD, Northwestern-Feinberg School of Medicine, Chicago IL.

12:15pm-12:30pm**The Unique Problem of CMV in Lung Transplant: Challenges and Solutions**

Laurie Snyder, MD, MHS, Duke University, Durham, NC.

12:30pm-12:45pm**Panel Discussion****Are Donors After Cardiac Death Underutilized in Pediatric Transplant Recipients?****11:15am-12:45pm****Moderators:** Walter Andrews, MD, Children's Mercy Hospital, Kansas City, MO. Amy Gallo, MD, Stanford University, Palo Alto, CA.**11:15am-11:30am****A Historical Look at the Use of Donors After Cardiac Death in Pediatric Liver and Kidney Transplant**

Christine Hwang, MD, UT Southwestern Medical Center, Dallas, TX.

11:30am-11:45am**Debate - Pro: Using Donors after Cardiac Death in Pediatric Liver and Kidney Transplant Recipients**

Jorge Reyes, MD, University of Washington, Seattle, WA

11:45am-12:00pm**Debate - Con: Using Donors after Cardiac Death in Pediatric Liver and Kidney Transplant Recipients**

Paul Grimm, MD, Stanford University, Stanford, CA.

12:00am-12:15pm**Rebuttal: Pro**

Jorge Reyes, MD, University of Washington, Seattle, WA.

12:15am-12:30pm**Rebuttal: Con**

Paul Grimm, MD, Stanford University, Stanford, CA.

12:30pm-12:45pm**Panel Discussion****Personalized Immunosuppression and Infectious Risk: Joint ATC-ESCMID/ESOT Session****11:15am-12:45pm****Moderators:** Jose Aguado, MD, PhD, University Hospital 12 De Octubre, Madrid, Spain. Nicolas Mueller, MD, University Hospital Zurich, Zurich, Switzerland.**11:15am-11:35am****Underlying Infectious Risk: Genetics**

Pierre-Yves Bochud, MD, Centre Hospitalier Universitaire Vaudois, Lausanne, Switzerland.

11:35am-11:45am**Audience Discussion****11:45am-12:05pm****Acquired Infectious Risk: Impact of Standard & Novel Immunosuppression (Proteasomes, Checkpoint Inhibitors, CAR-T)**

Jay Fishman, MDM, Massachusetts General Hospital-Harvard Medical School, Boston, MA.

12:05pm-12:15pm**Audience Discussion****12:15pm-12:35pm****Measuring "Net State" and Pathogen-Specific Immunity**

Oriol Manuel, MD, CHUV, Lausanne, Suisse.

12:35pm-12:45am**Audience Discussion****Controversies in KPD****11:15am-12:45pm****Moderators:** Marian Charlton, RN, SRN, New York Presbyterian-Weill Cornell Medicine, New York, NY. Jeffrey Veale, MD, UCLA, Los Angeles, CA.**11:15am-11:35am****Debate - Pro: Family Vouchers: Expanding Kidney Transplantation and the Next Great Thing!**

Matthew Cooper, MD, Professor of Surgery, Washington, DC.

11:35am-11:55am**Debate - Con: Family Vouchers: Coercion and the End**

of Non-Directed Donation!
TBD

11:55am-12:10pm

Pro: Rebuttal

Matthew Cooper, MD, Professor of Surgery, Washington, DC.

12:10pm-12:25pm

Con: Rebuttal

TBD

12:25pm-12:45am

Audience Discussion

Midday Symposia: Didactic

11:15am-12:45pm

T Cell Mediated Rejection: Where are we in 2019?

11:15am-12:45pm

Moderators: Sundaram Hariharan, MD, Starzl Transplant Institute, Pittsburgh, PA. David Rush, MD, University of Manitoba, Winnipeg, Canada.

11:15am-11:35am

Borderline Rejection After Kidney Transplantation - Is it Borderline?

Rajil B. Mehta, MD, FASN, University of Pittsburgh Medical Center, Pittsburgh, PA.

11:35am-11:45am

Audience Discussion

11:45am-12:05pm

Impact of HLA Epitope Matching on T-Cell Mediated Rejection

Peter Nickerson, MD, FRCPC, University of Manitoba, Winnipeg, Canada.

12:05pm-12:15pm

Audience Discussion

12:15pm-12:35pm

Cross Talk Between B and T Cells and its Influence on TCMR

Arjang Djamali, MD, MS, University of Wisconsin School of Medicine and Public Health, Madison, WI.

12:35pm-12:45pm

Audience Discussion

Renal Issues in Cardiac Transplantation

11:15am-12:45pm

Moderators: Teresa DeMarco, MD, University of California, San Francisco, San Francisco, CA. Indranee Rajapreyar, MD, University of Alabama Birmingham, Birmingham, AL.

11:15am-11:35am

Assessing the Need for Heart Versus Combined Cardiac and Kidney Transplantation in Systolic Heart Failure Patients with Chronic Kidney Disease: A Transplant Cardiologist's Perspective

Monica Colvin, MD, MS, Frankel Cardiovascular Center-Michigan Medicine, Midland, MI

11:35am-11:55am

Assessing the Need for Heart Versus Combined Cardiac and Kidney Transplantation in Systolic Heart Failure Patients with Chronic Kidney Disease: A Transplant Nephrologist's Perspective

Roy Bloom, MD, University of Pennsylvania, Philadelphia, PA.

11:55am-12:15pm

Timing of Renal Transplantation After Cardiac Transplantation in Listed Heart and Kidney Recipients

Steve Bynon, MD, Memorial Hermann Texas Medical Center, Houston, TX.

12:15pm-12:35pm

Renal Protective Strategies After Cardiac Transplantation

Jose Tallaj, MD, University of Alabama Birmingham School of Medicine, Birmingham, AL.

12:35pm-12:45pm

Panel Discussion

Bench to Bedside: B Cells in Transplantation

11:15am-12:45pm

Moderators: Kenneth Newell, MD, PhD, Emory University, Atlanta, GA. William Burlingham, PhD, University of Wisconsin, Madison, WI.

11:15am-11:35am**Basic: B Cells in Antigen Presentation**

Geetha Chalasani, MD, University of Pittsburgh, Pittsburgh, PA.

11:35am-11:45am**Audience Discussion****11:45am-12:45pm****Translational - Blunting Damage from Pre-Transplant DSA**E. Steve Woodle, MD
University of Cincinnati
Cincinnati, OH.**12:05pm-12:15pm****Audience Discussion****12:15pm-12:35pm****Clinical: Breg Therapy: Is Now the Time?**

Claudia Mauri, PhD, University College London, London, United Kingdom.

12:35pm-12:45pm**Audience Discussion****EBV and Post-Transplant Lymphoproliferative Disease: Emerging Data & Pediatric Consensus Guidelines****11:15am-12:45pm****Moderators:** Vikas Dharnidharka, MD, MPH, Washington University School of Medicine in St. Louis. Michael Green, MD, MPH, University of Pittsburgh School of Medicine, Pittsburgh, PA.**11:15am-11:35am****New Understandings of Pathogenesis and Immune Response to Epstein Barr Virus Infection and EBV-Associated PTLD in Solid Organ Transplant Recipients**

Olivia Martinez, PhD, Stanford University School of Medicine, Stanford, CA.

11:35am-11:45am**Audience Discussion****11:45am-12:05pm****Persistent EBV Viremia: Lend Me a Hand**

Upton Allen, MBBS, MSc, Sick Kids- The Hospital of Sick Children, Toronto, ON.

12:05pm-12:15pm**Audience Discussion****12:15pm-12:35pm****The International Pediatric Transplant Association's EBV/PTLD Consensus Guidelines**

Steve Webber, MBChB, Vanderbilt University School of Medicine, Nashville, TN.

12:35pm-12:45pm**Audience Discussion****Revisiting DOAC Anticoagulation in Transplantation****11:15am-12:45pm****Moderators:** Jeong Park, MS, PharmD, University of Michigan, Ann Arbor, MI. Georgina Waldman, PharmD, Heart Transplant at Massachusetts General Hospital, Boston, MA.**11:15am-11:35am****Optimizing DOAC therapy in Pre-and Post- Transplant Patients**

David M. Salerno, PharmD, New York-Presbyterian Hospital, New York, NY.

11:35am-11:45am**Audience Discussion****11:45am-12:05pm****Measuring and Reversal of DOACs**

Alicia Lichvar, PharmD, BCPS, College of Pharmacy-Chicago Rockford, Chicago, IL.

12:05pm-12:15pm**Audience Discussion****12:15pm-12:35pm****Challenging Pre-Transplant Cases and DOAC Management**

Patrick Klem, PharmD, University of Colorado Hospital, Denver, CO.

12:35pm-12:45pm**Audience Discussion****Tipping the Scale in Our Favor: The Steatoic Donor Liver**

11:15am-12:45pm**Moderators:** Kristopher Croome, MD, Mayo Clinic Florida, Jacksonville, FL. Jean Edmond, MD, Columbia University, New York, NY.**11:15am-11:35am****How much Steatosis is There? The Donor Frozen Section Biopsy**

Oyedele Adeyi, MD, FCAP, University of Toronto, Toronto, Ontario.

11:35am-11:45am**Audience Discussion****11:45am-12:05pm****Macrosteatosis: How Far Can You Go?**

George Loss, MD, FACS, Ochsner Health System, New Orleans, LA.

12:05pm-12:15pm**Audience Discussion****12:15pm-12:35pm****ASTS Scientific Studies Committee: Multicenter Trial in the Standardization of Steatosis**

Benjamin Philosophe, MD, Johns Hopkins Hospital, Baltimore, MD.

12:35pm-12:45pm**Audience Discussion****Silent Chronic Graft Injury After Liver Transplantation: Evidence for TCMR and/or AMR?****11:15am-12:45pm****Moderators:** John Levisky, MD, Northwestern, Chicago, IL. Jacqueline O'Leary, MD, MPH, UT Northwestern, Dallas, TX.**11:15am-11:35am****Antibody-Mediated Rejection: Can We Confidently Diagnose and Treat It Yet?**

Patricia Campbell, MBChB, FRCP(C), University of Alberta, Edmonton, Canada.

11:35am-11:45am**Audience Discussion****11:45am-12:05pm****Inflammation and Fibrosis in Clinically Ideal Liver****Transplant Recipients: The Tip of the Iceberg?**

Sandy Feng, MD, PhD, UCSF, San Francisco, CA.

12:05pm-12:15pm**Audience Discussion****12:15pm-12:35pm****Mechanistic Insight into Chronic Graft Injury: What are Rational Therapies?**

Alberto Sanchez-Fueyo, MD, Kings College, London, United Kingdom.

12:35pm-12:45pm**Audience Discussion****Platelets in the Immune Response****11:15am-12:45pm****Moderators:** Qizhen Shi, PhD, Medical College of Wisconsin, Milwaukee, WI. Irene Kim, MD, Cedars-Sinai, Beverly Hills, CA.**11:15am-11:35am****Immune Regulatory Role of Platelets**

Craig Morrell, DVM, PhD, University of Rochester, Rochester, NY.

11:35am-11:45am**Audience Discussion****11:45am-12:05pm****Platelets as Inflammatory Mediators**

TBD

12:05pm-12:15pm**Audience Discussion****12:15pm-12:35pm****Platelets in Alloimmune Rejection**

William W. Baldwin, III, MD, PhD, Lerner Research Institute Cleveland Clinic, Cleveland, OH.

12:35pm-12:45pm**Audience Discussion****Tregs-Bench to Bedside****11:15am-12:45pm****Moderators:** Peter Heeger, MD, Icahn School of Medicine at

Mount Sinai, New York, NY. Qizhi Tang, PhD, UCSF, San Francisco, CA.

11:15am-11:35am

Tregs Optimization

Wayne Hancock, MD, PhD, University of Pennsylvania & Children's Hospital of Philadelphia, Philadelphia, PA.

11:35am-11:45am

Audience Discussion

11:45am-12:05pm

Treg Survival and Death

Jamil Azzi, MD, Harvard Medical School, Boston, MA.

12:05pm-12:15pm

Audience Discussion

12:15pm-12:35pm

Tregs on Trial

Qizhi Tang, PhD, UCSF, San Francisco, CA.

12:35pm-12:45pm

Audience Discussion

12:45 PM-1:00 PM Break

1:00 PM-2:15 PM Sponsored Satellite Symposia (All Satellites take place in the Sheraton Boston Hotel)

Luncheon Workshops (Additional Fee)

1:00pm-2:15pm

Obesity in Kidney Transplantation: Donors and Recipients

1:00pm-2:15pm

Tayyab Diwan, MD, University of Cincinnati, Cincinnati, OH.

1:00pm-2:15pm

Jayme Locke, MD, MPH, University of Alabama at Birmingham, Birmingham, Alabama.

New Transplant Medical Director: Roles, Responsibilities & Challenges

1:00pm-2:15pm

John Friedewald, MD, FAST, Northwestern University, Chicago, IL.

1:00pm-2:15pm

Christian Larsen, MD
Emory University
Atlanta, GA.

Differentiating 'Difficult Patients' and 'Patients in Difficult Situations' in Urgent Organ Failure

1:00pm-2:15pm

Kristin Kuntz, PhD, The Ohio State University Wexner Medical Center, Columbus, OH.

1:00pm-2:15pm

Heather Bruschwein, PsyD, University of Virginia, Charlottesville, VA.

Where Have You Been All My Life? The Living Donor with Infectious Disease

1:00pm-2:15pm

Ricardo La Hoz, MD, UT Southwestern Medical Center, Dallas, TX.

1:00pm-2:15pm

Clarisse Machado, PhD, Institute of Tropical Medicine, University of Sao Paulo, Sao Paulo, Brazil.

Transplantation In Depth (Basic) The Next New Thing-Basic Pathways to Emerging Therapeutics

1:30pm-4:00pm

Moderators: Maria-Lusia Alegre, MD, PhD, The University of Chicago, Chicago, IL. Jerzy Kupiec-Weglinski, MD, PhD, UCLA, Los Angeles, CA.

1:30pm-1:50pm

TNF alpha

Peter Heeger, MD, Icahn School of Medicine at Mount Sinai, New York City, NY.

1:50pm-2:00pm

Audience Discussion

2:00pm-2:20pm
CAR T Cells

Megan Levings, PhD, University of British Columbia, Vancouver, Canada.

2:20pm-2:30pm
Audience Discussion
2:30pm-2:50pm
Epigenetic Drugs and Immune Regulation

Wayne Hancock, MD, PhD, University of Pennsylvania & Children's Hospital of Philadelphia, Philadelphia, PA.

2:50pm-3:00pm
Audience Discussion
3:00pm-3:20pm
Trained Immunity in Macrophages - Relevance to Transplant

Jordi Ochando, PhD, Mount Sinai, New York, NY.

3:20pm-3:30pm
Audience Discussion
3:30pm-3:50pm
Nanobodies in Immune Regulation

Andrew Woodham, PhD, Harvard Medical School - Boston Children's Hospital, Boston, MA.

3:50pm-4:00pm
Audience Discussion
2:15pm-2:30pm Break

2:30pm-4:00pm Concurrent Oral Abstract Sessions

2:30pm-5:30pm Student Program

The Science, The Art, and The Allure of Transplantation
2:30pm-5:30pm
2:30pm-2:45pm
Transplantation: The Big Picture

Anthony Jevnikar, BSc, MSc., London Health Sciences Centre and Western University, London, Canada.

2:45pm-3:00pm **Life on the Death Panels: Transplant Making its Own Policy**

Richard Formica, MD, Yale University, New Haven, CT.

3:00pm-3:15pm
Perspectives of a Transplant Surgeon and Award-Winning Author

Josh Mezrich, MD, University of Wisconsin School of Medicine and Public Health, Madison, WI.

3:15pm-3:30pm
Liver Transplantation: Big Operation, Big Impact

Wendy Grant, MD, University of Nebraska, FACS, Omaha, NE.

3:30pm-3:45pm
Kidney Transplantation: Minimally Invasive, Maximally Effective

Lloyd Ratner, MD, Columbia University, New York, NY.

3:45pm- 4:00pm
Outcomes Research in Transplantation: Data All Around Us

Jackie Garonzik-Wang, Johns Hopkins Medicine, Baltimore, MD.

Coffee Break
4:00pm-4:30pm
4:30pm-4:45pm
Basic Science Research in Transplantation: The Quest to Understand the Immune System

Howard Gebel, PhD, Emory University, Atlanta, GA.

4:45pm-5:00pm
Transplant ID: Now With Treatable Viruses!

Emily Blumberg, MD, FAST, Perelman School of Medicine at the University of Pennsylvania, Philadelphia, PA.

5:00pm-5:15pm
Pharmacy: Better Living Through Chemistry

Lisa Potter, PharmD, University of Chicago, Chicago, IL.

5:00pm-5:15pm
Q&A
4:00pm-4:30pm Coffee Break in Exhibit Hall

4:30pm-6:00pm Concurrent Oral Abstract Sessions

5:45pm-7:15pm ASTS Town Hall & Reception

6:00pm-7:00pm Poster Session B in Exhibit Hall

Monday, June 3, 2019

Sunrise Symposia: Interactive **(Continental Breakfast Included)**

7:00am-8:15am

How Does Kidney Paired Exchange (KPD) Become Standard of Care?

7:00am-8:15am

Moderators: David Serur, MD, NYP-Weill Cornell, New York, NY. Stuart Flechner, MD, FACS, Cleveland Clinic Lerner College of Medicine, Cleveland, OH.

7:00am-7:20am

The Elimination of Disincentives (and excuses) to Kidney Paired Donation (KPD)

Nicole Turgeon, MD, Emory University, Atlanta, GA.

7:20am-7:40am

How to Safely Transplant the Most Difficult Cases Through KPD

Howard Gebel, PhD, Emory University, Atlanta, GA.

7:40am-8:00am

The Value and Benefit of and to Compatible Pairs in KPD

Didier Mandelbrot, MD, UW Health, Madison, WI.

8:00am-8:15am

Panel Discussion

The Kidney Allograft Recipient and Transplant Cardiovascular Care (Kardio-Care)

7:00am-8:15am

Moderators: John A. Kobashigawa, MD, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA. Janani Rangaswami, MD, FACP, Einstein Medical Center, Philadelphia, PA.

7:00am-7:20am

Ischemic Heart Disease in the Kidney Allograft Recipient: State of the Art and Current Trials in 2019

Sripal Bangalore, MD, NYU Langone Health, New York, NY.

7:20am-7:40am

Heart failure and Pulmonary Hypertension in the Kidney Allograft Recipient

Cyrus Kholdani, MD
Beth Israel Deaconess Medical Center, Boston, MA.

7:40am-8:00am

Evaluation and Management of Perioperative Risks in Kidney Transplant Candidates

David Axelrod, MD, Lahey Hospital & Medical Center, Burlington, MA.

8:00am-8:15am

Panel Discussion

U.S. Lung Allocation-Where are we Now?

7:00am-8:15am

Moderators: Christopher Wigfield, MD, Advocate Health Care, Elk Grove Village, IL. Stuart Sweet, MD, PhD, Washington University, St. Louis, MO.

7:00am-7:15am

How to Define Fair Distribution Schemes for U.S. Lung Allocation

Maryam Valapour, MD, MPP, Cleveland Clinic, Cleveland, OH.

7:15am-7:30am

Impact of 2017 Elimination of DSA as the First Unit of Allocation

Kevin Chan, MD, University of Michigan, Ann Arbor, MI.

7:30am-7:40am

Debate - Pro: Broader Geographic Sharing Increases Access to Transplant Without Adversely Impacting Transplant Outcomes

Joshua Mooney, MD, MS, Stanford University, Stanford, CA.

7:40am-7:50am

Debate - Con: Broader Geographic Sharing Threatens Lung Post-Transplant Outcomes

Wayne Tsuang, MD, Cleveland Clinic, Cleveland, OH.

7:50am-7:55am

Debate - Pro: Rebuttal

Joshua Mooney, MD, MS, Stanford University, Stanford, CA.

7:55am-8:00am

Debate - Con: Rebuttal

Wayne Tsuang, MD, Cleveland Clinic, Cleveland, OH.

8:00am-8:15am

Panel Discussion

The Coming of Age- Childhood Conditions Affecting Post-Renal Transplant Outcomes into Adulthood**7:00am-8:15am****Moderators:** Julia M. Steinke, MD, MS, Helen DeVos Children's Hospital, Grand Rapids, MI. Priya Verghese, MD, University of Minnesota, Minneapolis, MN.**7:00am-7:20am****Cystinosis: No Longer Just a Pediatric Disease**
Roshan P. George, MD, Emory University, Atlanta, GA.**7:20am-7:40am****Atypical Hemolytic Uremic Syndrome - High Risks with Higher Rewards**
Carla Nester, MD, University of Iowa, Iowa City, IA.**7:40am-8:00am****CAKUT (Congenital Anomalies of the Kidney and the Urinary Tract): Beyond the Transplant**
Scott McEwen, MD, PhD, University of Minnesota, Minneapolis, MN.**8:00am-8:15am**

Panel Discussion

Controversies in Intestinal Transplantation**7:00am-8:15am****Moderators:** Douglas Farmer, MD, UCLA Health, Los Angeles, CA. Shunji Nagai, MD, PhD, Henry Ford Hospital, Detroit, MI.**7:00am-7:20am****The Patient with Extensive Porto-Mesenteric Thrombosis - Is This Always an Indication for a Multi-Visceral Transplant?**
Kishore Iyer, MBBS, FRCS, Mount Sinai Hospital, New York, NY.**7:20am-7:40am****Should Patients with Chronic Rejection Be Re-Transplanted and if Not, Can We Treat Them Medically?**

Rodrigo Vianna, MD, PhD, Miami Transplant Institute, Miami, FL.

7:40am-8:00am**The Patient with Recurrent Desmoid Turns and Unresectable Tumors- To Transplant or Not to Transplant?**

Richard Mangus, MD, Indiana University School of Medicine, Indianapolis, IN

8:00am-8:15am

Panel Discussion

Battling Hepatocellular Carcinoma: Who Wins the Transplant Lottery?**7:00am-8:15am****Moderators:** Riyo Ryutaro, MD, UCSF Health, San Francisco, CA. Amit Singal, MD, MS, UT Southwestern Medical Center, Dallas, TX.**7:00am-7:20am****Pre and Post Transplant Risk for Estimation of Recurrence, (Including Utility of Biomarkers)**
Pratima Sharma, MD, MS, University of Michigan Health, Ann Arbor, MI.**7:20am-7:40am****Surveillance and Prevention of HCC Recurrence Post Transplant in the High Risk Patients**
Neil Mehta, MD, UCSF Health, San Francisco, CA.**7:40am-8:00am****Management of Post Transplant Patients with Recurrence (mTOR and Adjuvant Therapy and Resection)**
Anjana Pillai, MD, University of Chicago Medicine, Chicago, IL.**8:00am-8:15am**

Panel Discussion

Fontan-Associated Liver Disease: Heart Along or Heart Liver**7:00am-8:15am****Moderators:** Lisa VanWagner, MD MSc FAST FAHA, Northwestern Medicine, Chicago, IL. Ram Subramanian, MD, MBA, Emory University, Atlanta, GA.

7:00am-7:20am**The Liver after a Fontan Procedure**

Elizabeth B. Rand, MD, The University of Pennsylvania, Philadelphia, PA.

7:20am-7:35am**Debate - Pro: Combined Heart and Liver**

Kim Olthoff, MD, University of Pennsylvania, Philadelphia, PA.

7:35am-7:50am**Debate - Con: Heart Alone**

John Lake, MD, University of Minnesota, Minneapolis, MN.

7:50am-8:00am**Rebuttal: Pro**

Kim Olthoff, MD, University of Pennsylvania, Philadelphia, PA.

8:00am-8:10am**Rebuttal: Con**

John Lake, MD, University of Minnesota, Minneapolis, MN.

8:10am-8:15am**Audience Discussion****Challenges in Quality Improvement in Transplant Care: TOOLS, THREATS, and OPPORTUNITIES****7:00am-8:15am****Moderators:** Stuart M. Greenstein, MD, Montefiore Medical Center, Bronx, NY. Anil Paramesh, MD, Tulane University School of Medicine, New Orleans, LA.**7:00am-7:20am****Making Friends with Your OPO: Initiatives to Increase Deceased Donor Transplant Through Standardizes, Mutually Agreeable Processes**

Richard Hasz, MFS, CPTC, Gift of Life Donor Program, Philadelphia, PA.

7:20am-7:40am**Celebrate Your Program's Success and Learn from Others': Tools to Track Performance and Improve Quality Including TransQIP**

Riyo Ryutaro, MD, UCSF Health, San Francisco, CA

7:40am-8:00am**Navigating the Regulatory Waters Between the CMS and OPTN Icebergs**

Diane Milman, JD, Powers Law, Washington, DC.

8:00am-8:15am**Panel Discussion****Updates in Primary Care-What Everyone Ought to Know About the Latest Trends in Patient Management****7:00am-8:15am****Moderators:** Bethany Brady, PharmD, Indiana University Health System, Indianapolis, IN. Danielle Krieger, APN, UCSF Health, San Francisco, CA.**7:00am-7:15am****Novel Anti-Diabetic Agents and Their Role in Therapy After Transplantation**

Hazel Domingo, PA-C, University of Maryland Medical Center, Baltimore, MD.

7:15am-7:30am**Key Steak Holders - Bones and All it Takes to Keep Them Healthy After Transplant**

Ignatius Tang, PharmD, MD, University of Illinois at Chicago, Chicago, IL.

7:30am-7:45am**Lipid Management Challenges and Strategies in Transplant Recipients**

Douglas Jennings, PharmD, FCCP, Columbia University Medical Center, New York, NY.

7:45am-8:00am Updates in Hypertension Management

Erika Meredith, PharmD, Emory University Hospital, Atlanta, GA.

8:00am-8:15am**Panel Discussion****Novel Pre-Market Therapies in Transplantation: Does FDA Endpoints Justify the Means?****7:00am-8:15am****Moderators:** Roslyn B. Mannon, MD, University of Alabama, Birmingham, AL. Kenneth Newell, MD, PhD, Emory University, Atlanta, GA.**7:00am-7:20am****Long and Short Acting Therapies: 1. How Does the Drug Use Correlate with One Year Post Transplant Grant Survival? 2. Are We Really Measuring the**

Outcomes of the Interventional Administrated Drug or The Effects of Immunosuppressant

Mark Stegall, MD, Mayo Clinic, Rochester, MN.

7:20am-7:40am**Review Approaches for Optimizing the Efficiency of the Technology-Derived Novel Endpoint Development (Real World Data)**

Stephen Karpen, PharmD, Critical Path Institute, Tucson, AZ.

7:40am-8:00am**FDA Perspective: Long Term Outcomes Versus a Year Post- Transplant: What is a Realistic Endpoint for Drugs Used One Time Pre or Post Transplant. How Regulators Will Value RDW as a Source of Information for Market Submission**

Ulf Meier Kriesche, MD, FAST, Veloxis, Cary, NC.

8:00am-8:15am

Panel Discussion

Sunrise Symposia: Didactic (Continental Breakfast Included)**7:00am-8:15am****Top 10 Papers in Transplant Infectious Diseases****7:00am-8:15am****Moderators:** Lara Danziger-Isakov, MD, MPH, Cincinnati Children's Hospital Medical Center, Cincinnati, OH. Jonathan Hand, MD, Ochsner Medical Center, New Orleans, LA.**7:00am-7:20am****Top 10 Bacterial Papers**

Robin K. Avery, MD, Johns Hopkins, Baltimore, MD.

7:20am-7:25am

Audience Discussion

7:25am-7:45am**Top 10 Fungal Papers**

Barbara D. Alexander, MD, Duke University, Durham, NC.

7:45am-7:50am

Audience Discussion

7:50am-8:10am**Top 10 Viral Papers**

Joanna Schaenman, MD, PhD, UCLA Health, Los Angeles, CA.

8:10am-8:15am

Audience Discussion

Immunometabolism in Transplantation**7:00am-8:15am****Moderators:** William Burlingham, PhD, University of Wisconsin, Madison, WI. Paolo Cravedi, MD, PhD, Icahn School of Medicine at Mount Sinai, New York, NY.**7:00am-7:20am****ATP in Transplantation**

Paolo Fiorina, MD, PhD, Boston Children's Hospital, Boston, MA.

7:20am-7:25am

Audience Discussion

7:25am-7:45am**T Cell Metabolism**

Ulf Beier, MD, FAAP, Penn Perelman School of Medicine, Philadelphia, PA.

7:45am-7:50am

Audience Discussion

7:50am-8:00am**T Cell Mitochondrial Effects**

Will Bailis, PhD, Children's Hospital of Pennsylvania, Philadelphia, PA.

8:10am-8:15am

Audience Discussion

Gene Editing in Transplantation- A New Frontier**7:00am-8:15am****Moderators:** Martina McGrath, MD, BCh, Brigham and Women's Hospital, Boston, MA. Megan Sykes, MD, Columbia University, New York, NY.**7:00am-7:20am****CRISPR/CAS9 - How I Do It**

Will Bailis, PhD, Children's Hospital of Pennsylvania, Philadelphia, PA.

7:20am-7:25am

Audience Discussion

7:25am-7:45am**Gene Editing in Xenotransplantation**

Alfred J. Tector, III, MD, PhD, University of Alabama at Birmingham, Birmingham, AL.

7:45am-7:50am**Audience Discussion****7:50am-8:10am****Using Genome Editing to Make Designer Stem Cells**

Chad Cowan, PhD, Harvard University, Cambridge, MA.

x8:10am-8:15am**Audience Discussion****8:15am-8:30am** Break**8:30am-9:15am** Joint Plenary II**9:15am-9:45am** AST Presidential Address**9:45am-10:15am** ASTS Presidential Address**10:15am-10:45am****Thomas A. Starzl State-of-the-Art Speaker
Synthetic Organs**

George M. Church, PhD, Wyss Institute at Harvard Medical School, Boston, MA.

10:45 AM-11:15 AM Coffee Break in Exhibit Hall**Midday Symposia: Interactive****11:15am-12:45pm****Results of the Consensus Conference on Frailty
in Solid Organ Transplantation****11:15am-12:45pm****Moderators:** John A. Kobashigawa, MD, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA. Joanna Schaeffer, MD, PhD, UCLA Health, Los Angeles, CA.**11:15am-11:35am****Frailty in Liver Transplantation**

Jennifer Lai, MD, MBA, UCSF, San Francisco, CA.

11:35am-11:55pm**Frailty in Heart Transplantation**

Palak Shah, MD, MS, Inova Heart and Vascular Institute, Falls Church, VA.

11:55am-12:15pm**Frailty in Kidney Transplantation**

Darshana Dadhania, MD, MS, Weill Cornell Medicine, New York, NY.

12:15pm-12:35pm**Frailty in Lung Transplantation**

Cassie Kennedy, MD, Mayo Clinic, Rochester, MN.

12:35pm-12:45pm**Panel Discussion****Midday Symposia: Didactic****11:15am-12:45pm****Normothermic Machine Perfusion of Livers: Are
we Ready for Prime Time?****11:15am-12:45pm****Moderators:** David Foley, MD, University of Wisconsin, Madison, WI. David Classen, MD, UNOS, Richmond, VA.**11:15am-11:35am****Perfusion Emerges from the Niche as a Standard of
Practice**

Peter Friend, MA, MB, University of Oxford, Oxford, United Kingdom.

11:35am-11:45am**Audience Discussion****11:45am-12:05pm****Barriers and Challenges to Implementation of Liver
NMP Program at Your Transplant Center**

Andrew Barbas, MD, Duke University, Durham, NC.

12:05pm-12:15pm**Audience Discussion****12:15pm-12:35pm****Perfusion and Beyond: Optimizing Marginal Livers for
Transplantation Future Approaches**

Korkut Uygun, PhD, Massachusetts General Hospital, Boston, MA.

12:35pm-12:45pm
Audience Discussion

A Multiparametric Approach to Deceased Kidney Donor Assessment

11:15am-12:45pm

Moderators: Richard N. Formica, MD, Yale School of Medicine, New Haven, CT. Ron Shapiro, MD, Recantation/Miller Transplantation Institute, Mt. Sinai, New York, NY.

11:15am-11:35am

Clinical Assessment of the Deceased Kidney Donor: Beyond KDPI

Stuart M. Greenstein, MD, Montefiore Medical Center, Bronx, NY.

11:35am-11:45am

Audience Discussion

11:45am-12:05pm

Histologic Assessment of Donor Kidney Biopsies: Are They Helpful or do They Merely Increase the Discard Rate?

Parmjeet Randhawa, MD, University of Pittsburgh Medical Center, Pittsburgh, PA.

12:05pm-12:15pm

Audience Discussion

12:15pm-12:35pm

Molecular Assessment of Preimplantation Biopsies

Enver Akalin, MD, FAST, Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY.

12:35pm-12:45pm

Audience Discussion

Opioid Stewardship in Solid Organ Transplant: It Takes a Multidisciplinary Approach

11:15am-12:45pm

Moderators: Elizabeth Cohen, PharmD, BCPS, Yale New Haven Hospital, New Haven, CT. James N. Fleming, PharmD, Medical University of South Carolina, Charleston, SC.

11:15am-11:35am

Identifying Patients with a Problem: Pretransplant Screening and Management for Opioid Addiction

Georgene Smith, MHS, MS, The Hospital of the University of Pennsylvania, Philadelphia, PA.

11:35am-11:45am

Audience Discussion

11:45am-12:05pm

Opioid-minimizing Medication Regimens for Transplant Donors and Recipients

Maya Campara, PharmD, University of Illinois at Chicago, Chicago, IL.

12:05pm-12:15pm

Audience Discussion

12:15pm-12:35pm

Designing and Implementing a Large Surgical Opioid Stewardship Program

Michael Engelsbe, MD, University of Michigan, Ann Arbor, MI.

12:35pm-12:45pm

Audience Discussion

CMV: Cutting Edge Approaches to Taming the Troll of Transplant

11:15am-12:45pm

Moderators: Judith Anesi, MD, University of Pennsylvania, Philadelphia, PA. Ajit Lamaye, MD, UW Medicine, Seattle, WA.

11:15am-11:35am

Diagnostics – Where Do We Go Next? Is a Universal Threshold Attainable or Should We Move to Individualized Medicine Approach?

Raymund Razonable, MD, Mayo Clinic, Rochester, MN.

11:35am-11:45am

Audience Discussion

11:45am-12:05pm

CMV, Guidelines & Personalized Medicine: Immunodiagnostics, Immunosuppression, and Best Prevention

Camille Kotton, MD, Massachusetts General Hospital, Boston, MA.

12:05pm-12:15pm

Audience Discussion

12:15pm-12:35pm**Novel Therapies: Medications, Vaccines, and Management of Resistant Virus**

Atul Humar, MD, MSc, UHN Research, Toronto, Ontario.

12:35pm-12:45pm**Audience Discussion****Cutting EDGE Medical and Surgical Options for Treating Diabetes: A Multidisciplinary Approach to New Therapies****11:15am-12:45pm****Moderators:** Dixon Kaufman, MD, PhD, University of Wisconsin, Madison, WI. Ronald Parsons, MD, Emory Transplant Center, Atlanta, GA.**11:15am-11:35am****What is The New Treatment for Endocrinologist?**

Giulio Romeo, MD, Joslin Diabetes Center, Boston, MA.

11:35am-11:45am**Audience Discussion****11:45am-12:05pm****Is Pancreatic Transplant Surgery a Cure for All Diabetics?**

Matthew Cooper, MD, Medstar Georgetown Transplant Institute, Washington, DC.

12:05pm-12:15pm**Audience Discussion****12:15pm-12:35pm****Nephrologists Central Role in Decision Making and Care**

Martha Pavlakis, MD, Beth Israel Deaconess Medical Center, Boston, MA.

12:35pm-12:45pm**Audience Discussion****Vascular Flow Problems: An Achilles Heel in Pediatric Liver Transplantation****11:15am-12:45pm****Moderators:** John Goss, MD, Baylor College of Medicine, Houston, TX. Patrick J. Healey, MD, Seattle Children's Hospital, Seattle, WA.**11:15am-11:35am****Options for Management of Insufficient Portal Flow in Pediatric Liver Transplant**

Carlos O. Esquivel, MD, PhD, Stanford Abdominal Transplantation, Stanford, CA.

11:35am-11:45am**Audience Discussion****11:45am-12:05pm****How I Do the Hepatic Artery Anastomosis: Microscope Versus Loops**

Mark Catral, MD, F.R.C.S.C., University of Toronto, Toronto, Ontario.

12:05pm-12:15pm**Audience Discussion****12:15pm-12:35pm****Choosing the Type and Graft Size for Small Liver Recipients**

Dominique Jan, MD, Montefiore Medical Center, Bronx, NY.

12:35pm-12:45pm**Audience Discussion****From Policy to Postop: Opioid and Benzodiazepine Use Across the Transplant Process****11:15am-12:45pm****Moderators:** Mary Amanda Dew, PhD, University of Pittsburgh School of Medicine and Medical Center, Pittsburgh, PA. Zeeshan Butt, PhD, Northwestern University Feinberg School of Medicine, Chicago, IL.**11:15am-11:35am****Opioid and Benzodiazepine Use in Lung Transplant Candidates: A National Survey of Policies and Practices**

Heather Bruschwein, PsyD, University of Virginia, Charlottesville, VA.

11:35am-11:45am**Audience Discussion****11:45am-12:05pm****The Percs of Transplant: Non-Prescription Drug Use Among Transplant Recipients**

Krista Lentine, MD, PhD, Saint Louis University, Saint Louis, MO.

12:05pm-12:15pm
Audience Discussion

12:15pm-12:35pm
Marijuana Post Transplant
Akhil Shenoy, MD, MPH, Columbia University Medical Center, New York, NY.

12:35pm-12:45pm
Audience Discussion

How Does Immunosuppression and Rejection Impact the Long-Term Survival of the Intestinal Transplant Recipient?

11:15am-12:45pm
Moderators: Thomas Fishbein, MD, MedStar, Washington, DC. Simon Horslem, MB, ChB, Seattle Children's Hospital, Seattle, WA.

11:15am-11:35am
Importance of Intestinal and Liver Histopathology in the Patient with Short Gut Syndrome and the Intestinal Transplant Recipient: ACR, AMR, Chronic Rejection and Other Complications
Maria Isabel Fiel, MD, Mount Sinai, New York, NY.

11:35am-11:45am
Audience Discussion

11:45am-12:05pm
How Do We Prevent Rejection and Does AMR in the Intestinal Transplant Patient Exist? - DSA Monitoring, Protocol Intestinal Biopsies, Pre-Transplant Desensitization
Debra Sudan, MD, Duke University Hospital, Durham, NC.

12:05pm-12:15pm
Audience Discussion

12:15pm-12:35pm
Complications of Immunosuppression: PTLD, GVHD, Cancer and Infections
Alan Langnas, DO, University of Nebraska, Omaha, NB.

12:35pm-12:45pm
Audience Discussion

Reproductive Health Issues in Transplant

11:15am-12:45pm
Moderators: Christina Klein, MD, Piedmont, Atlanta, GA. Deirdre Sawinski, MD, University of Pennsylvania, Philadelphia, PA.

11:15am-11:35am
Care of the Transgender Transplant Recipient
Loreta Matheo, MD, Children's Hospital of Pittsburgh, Pittsburgh, PA.

11:35am-11:45am
Audience Discussion

11:45am-12:05pm
Hormonal Management Across the Lifespan: Contraception, Conception and Menopause
Christina Doligalski, PharmD, BCPS, University of North Carolina Health System, Chapel Hill, NC.

12:05pm-12:15pm
Audience Discussion

12:15pm-12:35pm
Long Term Health in Women After Transplant: Bone Health and Reproductive Malignancies
Michelle Josephson, MD, University of Chicago Medicine, Chicago, IL.

12:35pm-12:45pm
Audience Discussion

Liver Recipient Selection: Where Do You Draw the Line?

11:15am-12:45pm
Moderators: Francois Durand, Professor, Hospital Beaujon, Clichy, University Paris Diderot, France. Goran Klintmalm, MD, PhD, Baylor University Medical Center, Dallas, TX.

11:15am-11:35am
Recipient with MELD > 40
Mitra Nadim, MD, FASN, University of Southern California, Los Angeles, CA.

11:35am-11:45am
Audience Discussion

11:45am-12:05pm**How Old is Too Old for a Combined Liver/Kidney Transplantation?**

John Fung, MD, PhD, University of Chicago Medicine, Chicago, IL.

12:05pm-12:15pm**Audience Discussion****12:15pm-12:35pm****Lessons Learnt from the Liver Eaters**

Thomas D. Schiano, MD, The Mount Sinai Medical Center, New York, NY.

12:35pm-12:45pm**Audience Discussion****Coinhibitory Pathways: From Bench to Bedside****11:15am-12:45pm****Moderators:** David Matthews, MD, PhD, Emory University, Atlanta, GA. Anil Chandraker, MD, Brigham and Women's Hospital, Boston, MA.**11:15am-11:35am****Bench: Coinhibitory Pathways in Transplantation**

Peter Sage, PhD, Brigham and Women's Hospital, Boston, MA.

11:35am-11:45am**Audience Discussion****11:45am-12:05pm****Translational: Preclinical Models of Coinhibitory Blockade**

Leonardo V. Riella, MD, PhD, Brigham and Women's Hospital, Boston, MA.

12:05pm-12:15pm**Audience Discussion****12:15pm-12:35pm****Clinical: Bringing Coinhibitory Modulation to the Clinic**

Christian P. Larsen, MD, Emory University, Atlanta, GA.

12:35pm-12:45pm**Audience Discussion****Lymphatics in Transplantation****11:15am-12:45pm****Moderators:** Mandy Ford, PhD, Emory University, Atlanta, GA. Jonathan Bromberg, MD, PhD, University of Maryland School of Medicine, Baltimore, MD.**11:15am-11:35am****Lymphatics in Chronic Rejection**

Wilson Wong, BSc MBBS, King's College London, London, United Kingdom.

11:35am-11:45am**Audience Discussion****11:45am-12:05pm****Lymphatics and Immunometabolism**

Brian Wong, PhD, Washington University School of Medicine, St. Louis, MO.

12:05pm-12:15pm**Audience Discussion****12:15pm-12:35pm****Lymph Node Scarring in Transplantation**

Reza Abdi, MD, Brigham and Women's Hospital, Boston, MA.

12:35pm-12:45pm**Audience Discussion****12:45pm -1:00pm Break****1:00pm-2:15pm** Sponsored Satellite Symposia (All Satellites take place in the Sheraton Boston Hotel)**Luncheon Workshops (Additional Fee)****1:00pm-2:15pm****Two for the Price of One: The Explosion of Combined Heart-Kidneys and Lung-Kidneys****1:00pm-2:15pm****Two for the Price of One: The Explosion of Combined Heart-Kidneys and Lung-Kidneys**

Felicitas Killer, MD, The University of Mississippi Medical Center, Jackson, MS.

1:00pm-2:15pm**Two for the Price of One: The Explosion of Combined Heart-Kidneys and Lung-Kidneys**

Deborah Levine, MD, University of Texas Health Center San Antonio, San Antonio, TX.

Caring for the Caregiver in Transplantation: State of Affairs and Future Directions

1:00pm-2:15pm

Introducing the Caregiver Toolkit: A Comprehensive Resource for Caregivers in Transplantation

Heather Bruschwein, PsyD, University of Virginia, Charlottesville, VA.

1:00pm-2:15pm

Introducing the Caregiver Toolkit: A Comprehensive Resource for Caregivers in Transplantation

Michelle Jesse, PhD, Henry Ford Health System, Detroit, MI.

#SquadGoals: Expanding and Optimizing the Transplant Pharmacy Team

1:00pm-2:15pm

Expansion and Optimization of Pharmacy Services: The Northwestern Experience

Katie Cunningham, PharmD, BCPS, Northwestern Memorial Hospital, Chicago, IL.

1:00pm-2:15pm

Expansion and Optimization of Pharmacy Services: The UCSD Experience

Ashley Feist, PharmD, BCPS, UC San Diego Health, San Diego, CA.

1:00pm-2:15pm

Expansion and Optimization of Pharmacy Services: The University of Maryland Experience

Bharath Ravichandran, PharmD, BCPS, University of Maryland Medical Center, Baltimore, MD.

2:15pm-2:30pm Break

2:30pm-4:00pm Concurrent Oral Abstract Sessions

Professional Symposium

2:30pm-5:45pm

Expansion of the Multidisciplinary Team: From Waitlist to Transplant

2:30pm-5:45pm

Moderators: Nicole McCormick, DNP, MBA, University of Colorado, Denver, CO. Jim Thielke, PharmD, HHIO, Chicago, IL.

2:30pm-2:50pm

Optimizing Vaccinations Pre-Transplant

Kristine Schonder, PharmD, University of Pittsburgh, Pittsburgh, PA.

2:50pm-2:55pm

Audience Discussion

2:55pm-3:15pm

Waitlist Management: The Role of the Advanced Practice Provider

Kimberly L. Hoffman, DNP, ACNP-BC, University of Cincinnati, Cincinnati, OH.

3:15pm-3:20pm

Audience Discussion

3:20pm-3:40pm

Beyond the Basics: Expanding the APP Role on Inpatient Services

Katherine Klingenberg, PA-C, University of Colorado School of Medicine, Aurora, CO.

3:40pm-3:45pm

Audience Discussion

3:45pm-4:05pm

The Evolution of the APP in Transplant

Ashley Seawright, D.N.P., The University of Mississippi Medical Center, Jackson, MS.

4:05pm-4:10pm

Audience Discussion

4:10pm-4:30pm

Coffee Break

4:30pm-4:50pm

7 on, 7 off: Creative Transplant Pharmacist Coverage Solutions

Timothy Horwedel, PharmD, BCPS, Barnes-Jewish Hospital, St. Louis, MO.

4:50pm-4:55pm

Audience Discussion

4:55pm-5:15pm**Banker's Hours No More: Weekend and Holiday Transplant Pharmacist Solutions**

Jennifer Geyston, PharmD, BCPS, University of Virginia Health System, Charlottesville, VA.

5:15pm-5:20pm**Audience Discussion****5:20pm-5:40pm****It Takes a Village: Multidisciplinary Transitions of Care Strategies**

Nicole Alvey, PharmD, Rush University Medical Center, Chicago, IL.

5:40pm-5:45pm**Audience Discussion****4:00 PM-4:30 PM** Coffee Break in Exhibit Hall**4:30 PM-6:00 PM** Concurrent Oral Abstract Sessions**5:45 PM-7:15 PM** AST Town Hall & Reception**6:00 PM-7:00 PM** Poster C Session**Tuesday, June 4, 2019*****Sunrise Symposia: Interactive***
(Continental Breakfast Included)**7:00am-8:15am****The Enemy of Good is Better: Marginal Cardiac Donors Avoid Waste and Maximize Lives Saved****7:00am-8:15am****Moderators:** Robert L. Gottlieb, MD, PhD, Baylor University Medical Center, Dallas, TX. Jane Wilcox, MD, Northwestern Medicine, Chicago, IL.**7:00am-7:20am****Until Death Do Us Part: The Art and Science of Matchmaking Marginal Donor and Recipient Pairs**

David Baran, MD, Sentara Heart Hospital, Norfolk, VA.

7:20am-7:40am**I'll take it! How a Large Center Decides to Accept the Hearts That the Smaller Center Declined for Organ****Quality**

Michelle M. Kittleson, MD, PhD, Cedars-Sinai, Los Angeles, CA.

7:40am-8:00am**Going to the Ends of the Earth for a Heart: The UK Experience with Heart Transplantation from DCD Donors**

Stephen Large, Papworth Everard, United Kingdom.

8:00am-8:15am**Panel Discussion****ApoLI Genotyping in Living Kidney Donors****7:00am-8:15am****Moderators:** Vineeta Kumar, MD, University of Alabama at Birmingham, Birmingham, AL. Deirdre Sawinski, MD, University of Pennsylvania, Philadelphia, PA.**7:00am-7:20am The NIH APOLLO Study: Assessing APOL1 in Transplant Outcomes**

Barry I. Freedman, MD, Wake Forrest School of Medicine, Winston-Salem, NC.

7:20am-7:40am The Time Has Come - Test Everyone

Mona Doshi, MD, University of Michigan Medicine, Ann Arbor, MI.

7:40am-8:00am We Need More Data - Do Not Test

Jayme E. Locke, MD, MPH, University of Alabama at Birmingham, Birmingham, AL.

8:00am-8:15am**Panel Discussion****New Insights into Fungal Infections in Thoracic, liver, and Kidney Transplant Recipients****7:00am-8:15am****Moderators:** Shahid Husain, MD, MS, University Health Network, Toronto, Canada. Sophia Koo, MD, Brigham and Women's Hospital; Harvard Medical School, Boston, MA.**7:00am-7:15am****Who, What, When, Where & Why? Antifungals in Practice**

Tracy Sparkes, PharmD, BCPS, University of Maryland Medical Center, Baltimore, MD.

7:15am-7:30am
Antifungal Drugs in Transplant Recipients: Drug-Drug Interactions, Dosing, and Inhaled, IV, and Oral Formulations

Jennifer McDermott, PharmD, BCPS, Spectrum Health, Grand Rapids, MI.

7:30am-7:45am
New Diagnostics: Which are Worth Your Time and Money?

Rachel Miller, MD, Duke University, Durham, NC.

7:45am-8:00am
Does This Patient Need Antifungal Prophylaxis?

Fernanda Silveira, MD, University of Pittsburgh and UPMC, Pittsburgh, PA.

8:00am-8:15am
Panel Discussion
Organ Vigilance Around the World: Different Strokes for Different Folks
7:00am-8:15am
Moderators: Michael Ison, MD, MS, Northwestern University Feinberg School of Medicine, Chicago, IL. Cameron R. Wolfe, MBBS(Hons), MPH, Duke University Medical Center, Durham, NC.

7:00am-7:20am
14 Years of DTAC: US perspective

Marian Michaels, MD, MPH, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA.

7:20am-7:40am
Organ Vigilance: The Euro-transplant Experience

Serge Vogelaar, Manager Allocation, Eurotransplant International, Leiden, Netherlands.

7:40am-8:00am
Project NOTIFY: What's it all about?

Ines Ushiro-Lumb, MD, MSc, NHS Blood and Transplant, London, United Kingdom

8:00am-8:15am
Panel Discussion
What Do I Do Now? Challenging Cases in Post Renal Transplant Care
7:00am-8:15am
Moderators: Michelle Lubetzky, MD, Weill Cornell New York Presbyterian Hospital, New York, NY. Parmjeet Randhawa, MD, University of Pittsburgh Medical Center, Pittsburgh, PA.

7:00am-7:20am
Provider-Perceived Common Immunosuppression Side Effects and Management in Kidney Transplant Recipients

Jennifer Trofe-Clark, PharmD, BCPS, University of Pennsylvania, Philadelphia, PA.

7:20am-7:40am
Treatment of Recurrent FSGS

Nada Alachkar, MD, Johns Hopkins University School of Medicine, Baltimore, MD.

7:40am-8:00am
Management Challenges in BK Virus Associated Nephropathy

Michelle Josephson, MD, University of Chicago Medicine, Chicago, IL.

8:00am-8:15am
Panel Discussion
Pancreases Transplant Program Management in the Era of Declining Numbers
7:00am-8:15am
Moderators: John Friedewald, MD, FAST, Northwestern University, Chicago, IL. Robert J. Stratta, MD, Wake Forest Baptist Medical Center, Winston-Salem, NC.

7:00am-7:20am
SPK Versus LD then PAK Versus Alternative Therapies

Jon Odorico, MD, University of Wisconsin School of Medicine and Public Health, Madison, WI.

7:20am-7:40am
Maintaining Adequacy in a Low Volume Program

Ty B. Dunn, MD, MS, University of Pennsylvania, Philadelphia, PA.

7:40am-8:00am
Regulation and Stewardship for Pancreas Transplant Programs

Matthew Cooper, MD, Professor of Surgery, Medstar, Georgetown Transplant Institute Washington, DC.

8:00am-8:15am

Panel Discussion

Assessing and Treating Mental Health Disorders in Transplant Recipients**7:00am-8:15am****Moderators:** Wendy Balliet, PhD, Medical University of South Carolina, Charleston, SC. Akhil Shenoy, MD, MPH, Columbia University Medical Center, New York, NY.**7:00am-7:20am****Personality Disorders and Transplantation**

Mark W. Nickels, MD, University of Rochester Medical Center, Rochester, NY.

7:20am-7:40am**Adaptation to Illness for Transplant Candidates and Recipients**

Alexandra Gee, PsyD, University of Cincinnati College of Medicine, Cincinnati, OH.

7:40am-8:00am**Psychiatric Medications and Transplantation**

Kathy Coffman, MD, Cleveland Clinic, Cleveland, OH.

8:00am-8:15am

Panel Discussion

Optimizing Pregnancy Success After Transplant**7:00am-8:15am****Moderators:** Lisa Coscia RN, BSN, Transplant Pregnancy Registry International, Philadelphia, PA. Sangeeta Borade, MD, Northwestern Medicine; Feinberg School of Medicine, Chicago, IL.**7:00am-7:20am****Ethical Issues Surrounding Pregnancy Following SOT and VCA**

Avivia Goldberg, MD, MA, University of Manitoba, Winnipeg, MB.

7:20am-7:40am**Ethical Issues Surrounding Pregnancy Following SOT and VCA**

Tam Khuu, PharmD, BCPS, UCLA, Los Angeles, CA.

7:40am-8:00am**Monitoring the Transplant During Pregnancy**

Jon A. Kobashigawa, MD, Cedars-Sinai Smidt Heart Institute, Los Angeles, CA.

8:00am-8:15am

Panel Discussion

Challenges of Transplanting and Managing Alcoholic Hepatitis**7:00am-8:15am****Moderators:** Norah Terrault, MD, UCSF Medical Center, San Francisco, CA. TBD**7:00am-7:20am****Psychosocial Evaluation and Management of Acute Alcoholic Hepatitis Needing Transplantation**

TBD

7:20am-7:40am**Early and Late Outcome of Transplantation for Acute Alcoholic Hepatitis**

Gene Y. Im, MD, Icahn School of Medicine, Division of Liver Disease, RMTI, New York, NY.

7:40am-8:00am**Ramification of Transplanting Alcoholic Hepatitis on Allocation and Organ Donation**

Mike Abecassis, MD, MBA, Northwestern Medicine; Feinberg School of Medicine, Chicago, IL.

8:00am-8:15am

Panel Discussion

Joint AST-IPTA Symposium: "It's Friday Night of Long Weekend and the Pediatric Transplant ID Specialist's Beeper Goes Off..."**7:00am-8:15am****Moderators:** Michael Green, MD, MPH, University of Pittsburgh School of Medicine, Pittsburgh, PA. Timothy Pruett, MD, University of Minnesota, Minneapolis, MN.**7:00am-7:20am****'What Do You Mean You Have a Donor? She's infected!'**

Lara Danziger-Isakov, MD, MPH, Cincinnati Children's Hospital Medical Center, Cincinnati, OH.

7:20am-7:40am

Viral infections After a Solid Organ Transplantation (excluding EBV and CMV) Current State of Immunizations in Pediatric Transplantation
 Sharon Bazak, MD, University of Minnesota, Minneapolis, MN.

7:40am-8:00am

'But Dr. ID... None of my Transplant Patients Get Infections Anymore- What is the Point of Prophylaxis?'
 Upton Allen, MBBS, MSc, Sick Kids- The Hospital of Sick Children, Toronto, ON.

8:00am-8:15am

Panel Discussion

Brainstorming on Liver Allocation in Vulnerable Populations: Women and Children First?
7:00am-8:15am

Moderators: Thomas Fishbein, MD, MedStar Health, Washington, DC. Richard Gilroy, MD, Intermountain Health, Murray, UT.

7:00am-7:20am

It's in the Heights: Eliminating Gender-Based Disparity in Liver Transplantation
 Jennifer Lai, MD, MBA, UCSF Health, San Francisco, CA.

7:20am-7:40am

Pediatric Prioritization: Moral Imperative on Behalf of Children and its Impact on Organ Donation and Public Opinion
 Evelyn Hsu, MD, Seattle Children's, Seattle, WA.

7:40am-8:00am

Splitting Up is Hard to Do: Split Liver Transplant and Other Approaches to Increasing Allograft Availability
 Bart Kane, MD, PhD, University of Kansas Medical Center, Kansas City, KS.

8:00am-8:15am

Panel Discussion

Sunrise Symposia: Didactic (Continental Breakfast Included)

7:00am-8:15am
TCR/BCR Sequencing and Tracking
7:00am-8:15am

Moderators: Xuorong Luo, MD, PhD, Duke University, Durham, NC. TBD

7:00am-7:20am

Alloreactive Cell Tracking
 Megan Sykes, MD, Columbia University, New York, NY.

7:20am-7:25am

Audience Discussion

7:25am-7:45am

T Cell CMV Responses
 Jonathan Maltzman, MD, PhD, Stanford University, Palo Alto, CA.

7:45am-7:50am

Audience Discussion

7:50am-8:00am

B Cell Antibodyomics in Transplantation
 Thet Su Win, MD, PhD, Harvard University- Brigham and Women's Hospital, Boston, MA.

8:00am-8:15am

Audience Discussion

8:15 PM-8:30 AM Break

8:30 AM-9:15 AM Joint Plenary III

9:15 AM-9:45 AM

Paul I. Terasaki State-of-the-Art Speaker
Using Human Pluripotent Stem Cells to Make Tissue for Transplantation
 Douglas Melton, PhD, Harvard Department of Stem Cell and Regenerative Biology, Cambridge, MA.

Controversies in Transplantation-Basic
Gene Editing in Transplantation
10:00am-10:45am

Moderators: Jay A. Fishman, MD, Massachusetts General Hospital- Harvard Medical School, Boston, MA.

10:00am-10:10am**Debate - Pro: Gene Editing in Transplantation**

Alfred A. Tector III, MD, PhD, University of Alabama at Birmingham, Birmingham, AL.

10:10am-10:20am**Debate - Con: Gene Editing in Transplantation**

Jay Fishman, MD, Massachusetts General Hospital - Harvard Medical School, Boston, MA.

10:20am-10:25am**Rebuttal: Pro**

Alfred A. Tector III, MD, PhD, University of Alabama at Birmingham, Birmingham, AL.

10:25am-10:30am**Rebuttal: Con**

Jay Fishman, MD, Massachusetts General Hospital - Harvard Medical School, Boston, MA.

10:30am-10:45am**Panel Discussion**

Arthur Caplan, PhD, New York University Langone Medical Center, New York, NY.

10:30am-10:45am**Panel Discussion**

Jay Fishman, MD, Massachusetts General Hospital - Harvard Medical School, Boston, MA.

10:30am-10:45am**Panel Discussion**

Jonathan Bromberg, MD, PhD, University of Maryland School of Medicine, Baltimore, MD.

10:30am-10:45am**Panel Discussion**Abarahm Shaked, MD, PhD
University of Pennsylvania
Philadelphia, PA.**Controversies in Transplantation-Clinical****TBD****10:45 AM-11:15 AM** Coffee Break in Exhibit Hall.**Midday Symposia: Interactive****11:15am-12:45pm****Simultaneous Liver and Kidney Transplant (SLKT): Two Years of the Policy Change****11:15am-12:45pm****Moderators:** Daniel (Gabriel) Danovitch, MD, FRCP, UCLA, Los Angeles, CA. Pratima Sharma, MD, MS, University of Michigan Medicine, Ann Arbor, MI.**11:15am-11:40am****Indications and Patient Selection for SLKT vs. Kidney after LT: Transplant Hepatologist Perspective**

James Trotter, MD, Baylor University, Dallas, TX.

11:40am-12:05pm**Two Years after Policy Change Outcomes: Decision Making of SLKT vs. Kidney After LT: Transplant Nephrology Perspective**

Alexander Wiseman, MD, University of Colorado School of Medicine, Aurora, CO.

12:05pm-12:30pm**Surgical Perspectives on Liver Kidney: Simultaneous vs. Short (Pump) vs. Long Delay (Safety Net)**

William Goggins, MD, Indiana University School of Medicine, Indianapolis, IN.

12:30pm-12:45pm**Panel Discussion****Are Protocol Biopsies Important in the Long Term Management of the Pediatric Liver Transplant Recipient?****11:15am-12:45pm****Moderators:** Estella Alonso, MD, Northwestern Medicine; Feinberg School of Medicine, Chicago, IL. TBD**11:15am-11:35am****Long Term Graft Survival in Pediatric Liver Transplant Patients**

Carlos O. Esquivel, Stanford Abdominal Transplantation, Stanford, CA.

11:35am-11:55am**Debate - Pro: Protocol Liver Biopsy Should be Done in All Pediatric Liver Transplant Recipients**

Udeme Ekong, MD, MPH, Yale University, New Haven, CT.

11:55am-12:15pm**Debate - Con: Protocol Liver Biopsy Should be Done in All Pediatric Liver Transplant Recipients**

Simon Horslen, MB, ChB, Seattle Children's Hospital, Seattle, WA.

12:15pm-12:25pm**Rebuttal: Pro**

Udeme Ekong, MD, MPH, Yale University, New Haven, CT.

12:35pm-12:45pm**Rebuttal: Con**

Simon Horslen, MB, ChB, Seattle Children's Hospital, Seattle, WA.

12:35pm-12:45pm**Audience Discussion****Wellness in the Workplace: Combating Burnout and Improving Experience Amongst Transplant Providers****11:15am-12:45pm****Moderators:** Teresa DeMarco, MD, UCSF Health, San Francisco, CA. Anil Chandraker, MD, Brigham Health-Brigham and Women's Hospital, Boston, MA.**11:15am-11:30am****The Importance of Work-Life Balance in Today's Society: The Novice's Perspective**

TrisAnn Rendulic, PharmD, BCPS, University of Kentucky HealthCare, Lexington, KY.

11:30am-11:50am**Provider Burnout: Why is it Happening and What Effects Does It Have?**

Rupal Shah, MD, UCSF Health, San Francisco, CA.

11:50am-12:10pm**Provider Burnout: What Can We Do About It? Are the Solutions and How Can They Be Implemented?**

Elizabeth Pomfret, MD, PhD, University of Colorado Anschutz Medical Center, Aurora, CO.

12:10pm-12:30pm**Provider Burnout: How to Promote Provider Wellness Through Lessons Learned from Our Patients?**

Jennifer Guy, MD, Sutter Health, San Francisco, CA.

12:30pm-12:45pm**Panel Discussion****Organ Directed Therapy- From Regulation to Intervention****11:15am-12:45pm****Moderators:** Wayne Hancock, MD, PhD, University of Pennsylvania & Children's Hospital of Philadelphia. Lorenzo Gallon, MD, Northwestern University, Chicago, IL.**11:15am-11:40am****Regulatory Issues in Donor and Organ Interventional Studies**

Sandy Feng, MD, PhD, UCSF Health, San Francisco, CA.

11:40am-12:05pm**Whole Body Approaches to Intervention**

Stefan Tullius, MD, PhD, FACS, Brigham and Women's Hospital, Boston, MA.

12:05pm-12:30pm**Molecular Approaches to Organ Intervention**

Matthew Levine, MD, PhD, University of Pennsylvania, Philadelphia, PA.

12:30pm-12:45pm**Panel Discussion****Midday Symposia: Didactic****11:15am-12:45pm****Macrophages in Tissue Injury and Repair****11:15am-12:45pm****Moderators:** Jerzy W. Kupiec-Weglinski, MD, PhD, University of California Los Angeles, Los Angeles, CA. Xian Li, MD, PhD, Houston Methodist Hospital, Houston, TX.**11:15am-11:35am****Macrophages in Organ Ischemia-Reperfusion Injury**

Yuan Zhai, PhD, Surgery David Geffen School of Medicine-UCLA, Los Angeles, CA.

11:35am-11:45am**Audience Discussion**

11:45am-12:05pm**Macrophages in Transplantation Tolerance**

Jordi Ochando, PhD, Mount Sinai, New York, NY.

12:05pm-12:15pm**Audience Discussion****12:15pm-12:35pm****Macrophage Heterogeneity in Tissue Inflammation and Homeostasis**

Xian Li, MD, PhD, Houston Methodist Hospital, Houston, TX.

12:35pm-12:45pm**Audience Discussion****What's the "Real" Story: Artificial Kidney, Artificial Heart (and Lung)****11:15am-12:45pm****Moderators:** Sean Pinney, MD, Mount Sinai, New York, NY.
Bryan Whitson, MD, PhD, The Ohio State University Wexner Medical Center, Columbus, OH.**11:15am-11:35am****Every Breath You Take - ECMO for Nephrologists**

Hannah Copeland, MD, University of Mississippi Medical Center, Jackson, MS.

11:35am-11:45am**Audience Discussion****11:45am-12:05pm****Be Still My Heart -Fundamentals of VAD Management for Nephrologists**

Palak Shah, MD, MD, Inova Heart and Vascular Institute, Falls Church, VA.

12:05pm-12:15pm**Audience Discussion****12:15pm-12:35pm****Renal Replacement Therapy in Patients with Mechanical Support and Thoracic Transplants**

Dan Negoianu, MD, University of Pennsylvania, Philadelphia, PA.

12:35pm-12:45pm**Audience Discussion****Hacking Organs During Preservation: Organ Repair and Regeneration Ex Vivo****11:15am-12:45pm****Moderators:** Jedd Lewis, JD, Organ Preservation Alliance, Berkeley, CA. Giuseppe Orlando, MD, PhD, Wake Forest Baptist Health, Winston-Salem, NC.**11:15am-11:35am****Implementing the Vision: The Organ Repair Center, Where Regenerative and Transplant Medicine Meet**

Shaf Keshavjee, MD, University Health Network, Toronto, CA.

11:35am-11:45am**Audience Discussion****11:45am-12:05pm****Enhancing Mitochondrial Quality Control Programs to Improve Organ Preservation by Normothermic Ex Vivo Liver Perfusion**

Andrew Barbas, MD, Duke University, Durham, NC.

12:05pm-12:15pm**Audience Discussion****12:15pm-12:35pm****Regenerative Liver Replacement: Resetting Terminal Liver Failure from Inside Out**

Alejandro Soto-Gutierrez, MD, PhD, University of Pittsburgh, Pittsburgh, PA.

12:35pm-12:45pm**Audience Discussion****An Ounce of Prevention is Worth a Pound of Cure: Vaccination After Solid Organ Transplantation****11:15am-12:45pm****Moderators:** Oriol Manuel, MD, CHUV, Lausanne, Suisse. Anoma Nellore, MD, University of Alabama Birmingham, Birmingham, AL.**11:15am-11:35am****Pediatric Vaccination: Are We Ready to Give Live Viral Vaccines Post-Transplant?**

Klara M. Posfay-Barbe, MD, MS, University Hospitals of Geneva & Geneva Medical School, Geneva, Switzerland.

11:35am-11:45am
Audience Discussion

11:45am-12:05pm
Vaccines for Adult Transplant Recipients: New Data
Deepali Kumar, MD, MSC, UHN Research, Toronto, Ontario.

12:05pm-12:15pm
Audience Discussion

12:15pm-12:35pm
'B'-Sides Serology: Novel Measures of Vaccine Protection
Anoma Nellore, MD, University of Alabama Birmingham, Birmingham, AL.

12:35pm-12:45pm
Audience Discussion

Defining the Risks of VCA

11:15am-12:45pm
Moderators: Rolf Barth, MD, University of Maryland, Baltimore, MD. Andreas Tzakis, MD, Cleveland Clinic, Weston, FL.

11:15am-11:35am
Complications of Immunosuppression in VCA
Gerald Brandacher, MD, Johns Hopkins Medicine, Baltimore, MD.

11:35am-11:45am
Audience Discussion

11:45am-12:05pm
Surgical Complications in VCA
Simon G. Talbot, MD, Brigham and Women's Hospital, Boston, MA.

12:05pm-12:15pm
Audience Discussion

12:15pm-12:35pm
Risks of Mortality and End Stage Organ Damage in VCA
Vijay Goranthla, MD, PhD, Wake Forest University Health Sciences, Winston Salem, NC.

12:35pm-12:45pm
Audience Discussion

Technical Issues in Liver Transplantation

11:15am-12:45pm
Moderators: Alan Langnas, DO, University of Nebraska, Omaha, NB. John Goss, MD, Baylor College of Medicine, Houston, TX.

11:15am-11:35am
Various Approaches to Portal Vein Thrombosis and Significant Venous Shunts
Yuri Genyk, MD, University of Southern California, Los Angeles, CA.

11:35am-11:45am
Audience Discussion

11:45am-12:05pm
The Role of Veno-Venous Bypass and How to Manage Outflow Issues
Vatche Agopian, MD, UCLA Health, Los Angeles, CA.

12:05pm-12:15pm
Audience Discussion

12:15pm-12:35pm
What are the Risks and Benefits of Arterial Conduits - Results of the Conduit Study
Henrik Petrowsky, MD, University Hospital Zurich, Zurich, Switzerland.

12:35pm-12:45pm
Audience Discussion

Diagnosis of AMR- What is the Data to Support the Banff Criteria?

11:15am-12:45pm
Moderators: Lorraine Racusen, MD, The Johns Hopkins University School of Medicine, Baltimore, MD. Enver Akalin, Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY.

11:15am-11:40am
History and Evolution of Banff Criteria for AMR
Mark Haas, MD, PhD, Cedars-Sinai Medical Center, Los Angeles, CA.

11:40am-12:05pm
What is the Data to Support the Changes Made in the

Banff 2017 Criteria?

Alexandre Loupy, MD, PhD, Paris Transplant Group, Paris, France.

12:05pm-12:30pm**Who Should be Treated for AMR?**

Peter Nickerson, MD, FRCPC, University of Manitoba, Winnipeg, Canada.

12:30pm-12:45pm**Panel Discussion**
Islet Cell Transplantation: Time to Stop Talking About the Future and Implement Today!
11:15am-12:45pm

Moderators: Kenneth Brayman, MD, PhD, University of Virginia, Charlottesville, VA. Peter Stock, MD, PhD, UCSF Health, San Francisco, CA.

11:15am-11:35am**Islet Transplantation: Defining Outcomes and How to Optimize Immunosuppression**

Michael R. Rickels, MD, MS, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA.

11:35am-11:45am**Audience Discussion****11:45am-12:05pm****Cutting Edge Innovations in Islet Transplantation: What's New and What's Coming**

David A. Baidal, MD, Diabetes Research Institute, Hollywood, FL.

12:05pm-12:15pm**Audience Discussion****12:15pm-12:35pm****How to Overcome Financial/Regulatory Hurdles for Islet Transplantation in the United States**

Kenneth Brayman, MD, PhD, University of Virginia, Charlottesville, VA.

12:35pm-12:45pm**Audience Discussion**
The Science of Cellular Intervention
11:15am-12:45pm

Moderators: Reza Abdi, MD, Brigham and Women's Hospital, Boston, MA. Robert Fairchild, PhD, Cleveland Clinic, Cleveland, OH.

11:15am-11:35am**Dendritic Cell Intervention**

Angus Thompson, PhD, DSc, University of Pittsburgh, Pittsburgh, PA.

11:35am-11:45am**Audience Discussion****11:45am-12:05pm****Mesenchymal Stem Cell Intervention**

Marlies Reinders, MD, PhD, Leiden University, Leiden, Netherlands.

12:05pm-12:15pm**Audience Discussion****12:15pm-12:35pm****Pluripotent Stem Cell Intervention**

TBD

12:35pm-12:45pm**Audience Discussion****12:45pm-1:00pm Break**

1:00pm-2:15pm Sponsored Satellite Symposia (All Satellites take place in the Sheraton Boston Hotel)

Luncheon Workshops (Additional Fee)**1:00pm-2:15pm**
Creating a Multidisciplinary Team for Successful Pediatric and Young Adult Transition of Care
1:00pm-2:15pm**Creating a Multidisciplinary Team for Successful Pediatric and Young Adult Transition of Care**

Lorraine Bell, MDCM, FRCPC, Montreal Children's Hospital, Montreal, Canada.

1:00pm-2:15pm**Creating a Multidisciplinary Team for Successful Pediatric and Young Adult Transition of Care**

Priya Verghese, MD, University of Minnesota, Minneapolis, MN.

Addressing Sexuality and Fertility in the Transplant Recipient

1:00pm-2:15pm

Addressing Sexuality and Fertility in the Transplant Recipient

Lisa Coscia, RN, BSN, Transplant Pregnancy Registry International, Philadelphia, PA.

1:00pm-2:15pm

Addressing Sexuality and Fertility in the Transplant Recipient

Serbian Constantinescu, MD, PhD, Lewis Katz School of Medicine-Temple University, Philadelphia, PA.

Understanding the Legal, Ethical and Financial Impact of Drug Testing for Transplant Populations

1:00pm-2:15pm

Understanding the Legal, Ethical and Financial Impact of Drug Testing for Transplant Populations

Sheila G. Jowsey-Gregorie, MD, Mayo Clinic, Rochester, MN.

1:00pm-2:15pm

Understanding the Legal, Ethical and Financial Impact of Drug Testing for Transplant Populations

Paul Zimbrian, MD, Yale University, New Haven, CT.

2:15pm-2:30pm Break

2:30pm-4:00pm Concurrent Oral Abstract Sessions

2:30pm-6:00pm Pediatric Symposium

4:00pm-4:30pm Coffee Break in Exhibit Hall

4:30pm-6:00pm Concurrent Oral Abstract Sessions

6:00pm-7:00pm Poster Session D

Wednesday, June 5, 2019
Sunrise Symposia: Interactive
(Continental Breakfast Included)

7:00am-8:15am

Optimizing Spend: Cost Saving Strategies in Transplantation

7:00am-8:15am

Moderators: Jamie Benken, PharmD, BCPS, University of Illinois at Chicago, Chicago, IL. Dave Taber, PharmD, MS, Medical University of South Carolina, Charleston, SC.

7:00am-7:15am

Thinking Strategically: How to Approach Cost Savings

Nicole Pilch, PharmD, MSCR, Medical University of South Carolina, Charleston, SC.

7:15am-7:30am

Delaying Valganciclovir: A Smart Move or Playing with Fire?

Shree Patel, PharmD, BCPS, College of Pharmacy-Chicago Rockford, Chicago, IL.

7:30am-7:45am

Cost Saving Strategies for Transplant Programs

Gwen McNatt, MS, CNN, Northwestern Memorial Hospital, Chicago, IL.

7:45am-8:00am

Getting the Underfunded Patient Out the Door

Angela Maldonado, PharmD, CPP, Vidant Medical Center, Greenville, NC

8:00am-8:15am

Panel Discussion

HCV-Viremic Recipients: The New Standard of Care?

7:00am-8:15am

Moderators: David Goldberg, MD, MSCE, University of Pennsylvania, Philadelphia, PA. Elizabeth Verna, MD, MS, Columbia University, New York, NY.

7:00am-7:20am

HCV-Viremic Donors in Liver Recipients: When and How to Treat

Robert S. Brown Jr., MD, MPH, Weill Cornell Medical College, New York, NY.

7:20am-7:40am

HCV-Viremic Donors in Kidney Recipients: Impact on Wait Times and Post-Transplant Kidney Function

Peter Reese, MD, MSCE, University of Pennsylvania,
Philadelphia, PA.

7:40am-8:00am

**HCV-Viremic Donors in Heart and Lung Recipients:
Novel Strategies and Post-Transplant Outcomes**

Marcelo Cypel, MD, MSc, University of Toronto, Toronto, ON.

8:00am-8:15am

Panel Discussion

**Controversies in Live Kidney Donor Selection
and Care**

7:00am-8:15am

Moderators: Todd Pesavento, MD, The Ohio State University,
Columbus, OH. Arthur J. Matas, MD, University of Minnesota,
Minneapolis, MN.

7:00am-7:20am

**Outcomes of Living Kidney Donation Among African
American Donors and How One Could Use Transplant
Models in Counseling**

Krista Lentine, MD, PhD, Saint Louis University, St. Louis, MO.

7:20am-7:40am

**Elevated Blood Pressure: Is It Ever Acceptable to
Approve the Donor?**

Hassan Ibrahim, MD, MS, Houston Methodist Hospital,
Houston, TX.

7:40am-8:00am

**Discrepancies in Kidney Size/Volume: How Do You
Decide?**

Stuart M. Flechner, MD, FACS, Cleveland Clinic Lerner College
of Medicine, Cleveland, OH.

8:00am-8:15am

Panel Discussion

**Pros and Cons of Presumed Consent: Is Opt-In a
Cop-Out?**

7:00am-8:15am

Moderators: Shelley Hall, MD, Baylor University Medical
Center, Dallas, TX. Linda Ohler, MSN, FAAN, New York
University Langone Health, New York, NY.

7:00am-7:20am

**Debate - Pro: Presumed Consent: Is Opt-in a Cop-Out
TBD**

7:20am-7:40am

**Debate - Con: Presumed Consent: Is Opt-in a Cop-Out
Charlie Miller, MD, Cleveland Clinic, Cleveland, OH.**

7:40am-7:50am

**Pro: Rebuttal
TBD**

7:50am-8:00am

**Con: Rebuttal
Charlie Miller, MD, Cleveland Clinic, Cleveland, OH.**

8:00am-8:15am

Panel Discussion

**Unlocking Concepts of VCA vs. Solid Organ
Transplant**

7:00am-8:15am

Moderators: Hatem Amer, MD, Mayo Clinic, Rochester, MN.
Andreas Tzakis, MD, Cleveland Clinic, Weston, FL.

7:00am-7:20am

**VCA vs. SOT: Innate - Adaptive Immune Interface
Jerzy W. Kupiec-Weglinski, MD, University of California-Los
Angeles, Los Angeles, CA.**

7:20am-7:40am

**Nerve Regeneration and Autoimmunity
Rolf Barth, MD, University of Maryland, Baltimore, MD.**

7:40am-8:00am

**How Qualitative Research Informs Clinical Decision
Making in VCA
Sheila G. Jowsey-Gregorie, MD, Mayo Clinic, Rochester, MN.**

8:00am-8:15am

Panel Discussion

**The Changing Face of Cholangiocarcinoma in
2019**

7:00am-8:15am

Moderators: Keri Lunsford, MD, PhD, Houston Methodist

Hospital, Houston, TX. Anjana Pillai, MD, University of Chicago Medicine, Chicago, IL.

7:00am-7:20am

Liver Transplantation for Hilar Cholangiocarcinoma- Have we Mastered This?

Wendy Grant, MD, University of Nebraska Medical Center, Omaha, NB.

7:20am-7:40am

Liver Transplantation for Intrahepatic Cholangiocarcinoma – Can It Work?

Mark Ghobrial, MD, PhD, Houston Methodist Hospital, Houston, TX.

7:40am-8:00am

The Promise of New Systemic Therapy for Cholangiocarcinoma and its Implications on Liver Transplantation

Rachna T. Shroff, MD, MS, University of Arizona Cancer Center, Tucson, AZ.

8:00am-8:15am

Panel Discussion

Marginal Liver Organs: Have we Pushed the Limit?

7:00am-8:15am

Moderators: Walid Ayoub, MD, FAASLD, Cedars Sinai Medical Center, Los Angeles, CA. George Loss JR., MD, FACS, Ochsner, New Orleans, LA.

7:00am-7:20am

Should I Transplant this Liver? (Surgeon Perspective)

Karim Halazun, MD, New York Presbyterian, New York, NY.

7:20am-7:40am

Should My Patient Consider this Offer? (Hepatologist Perspective)

David Douglas, MD, FAST, Mayo Clinic, Phoenix, AZ.

7:40am-8:00am

What Does the Patient Under About this Liver? (Medical Ethicist Perspective on Informed Consent in Marginal Organ Transplantation)

Elisa J. Gordon, PhD, MPH, Northwestern University, Chicago, IL.

8:00am-8:15am

Panel Discussion

The “OMICS” of Thoracic Organ Transplantation

7:00am-8:15am

Moderators: Sundaram Hariharan, MD, Starzl Transplant Institute, Pittsburgh, PA. Howard J. Eisen, MD, Pennsylvania State College of Medicine, Hersey, PA

7:00am-7:20am

Intragraft Genomics and Allograft Rejection (INTERHEART and INTERLUNG)

TBD

7:20am-7:40am

Epigenetics, microRNA, Transcriptome

Thalachallour Mohanakumar, PhD, Norton Thoracic Institute, St. Joseph's Hospital & Medical Center, Phoenix, AZ.

7:40am-8:00am

Exosomes and Proteomics

Prashanth Vallabhajosyula, MD, MS, Hospital of the University of Pennsylvania, Philadelphia, PA.

8:00am-8:15am

Panel Discussion

Sunrise Symposia: Didactic (Continental Breakfast Included)

7:00am-8:15am

T Cells Driving the Alloantibody Response

7:00am-8:15am

Moderators: Paolo Cravedi, MD, PhD, Icahn School of Medicine at Mount Sinai, New York, NY. Melissa Yeung, MD, Harvard Medical School, Boston, MA.

7:00am-7:20am

T Follicular Cells in Alloimmunity

Gavin Pettigrew, Dr, University of Cambridge, Cambridge, United Kingdom.

7:20am-7:25am

Audience Discussion

7:25am-7:45am**Follicular Regulatory T Cells**

Peter Sage, PhD, Harvard University, Boston, MA.

7:45am-7:50am**Audience Discussion****7:50am-8:10am****Human Circulating T Follicular Helper Cells**

Diana Metes, MD, Starzl Transplant Institute; University of Pittsburgh, Pittsburgh, PA.

8:15am-8:30am Break**8:30am-10:00am** Joint Plenary IV**10:00am-10:15am** Coffee Break**10:15am-11:30am** What's Hot; What's New (Basic, Translational, Clinical)