World Transplant Congress

Moscone West Convention Center
July 26–31, 2014

www.wtc2014.org

Pre-meeting Symposia
Saturday, July 26 –
Sunday, July 27, 2014

Congress
Sunday, July 27 –
Thursday, July 31, 2014
Pre-meeting Symposia:
Full Day

Saturday, July 26, 2014 • 8:00 am – 5:00 pm

Basic Science for the Clinician:
Transplant Immunology for the Clinician: Understanding the Game of Transplantation

Tracks:

The Players – Part 1

Moderators: Geetha Chalasani, MBBS, Assistant Professor of Medicine and Immunology, University of Pittsburgh Medical Center — Thomas E. Starzl Transplant Institute, Pittsburgh, PA, USA and Robert Fairchild, PhD, Professor of Molecular Medicine, Cleveland Clinic Foundation, Cleveland, OH, USA

Overview:
The Object and Rules of the Game
Geetha Chalasani, MBBS
Assistant Professor of Medicine and Immunology
University of Pittsburgh Medical Center — Thomas E. Starzl Transplant Institute
Pittsburgh, PA, USA

8:00 AM – 8:15 AM

Quarterbacks and Runningbacks:
T-Cells from Development Through Activation, Trafficking, Effector Function and Death
Birgit Sawitzki, PhD
Professor
Charité - University Medicine Berlin,
Institute of Medical Immunology
Berlin, Germany

8:15 AM – 9:00 AM

Wide Receivers and Safeties:
B-Cells from Development Through Activation, Trafficking, Effector Function and Death
William Baldwin, MD, PhD
Cleveland Clinic Foundation
Cleveland, OH, USA

9:00 AM – 9:45 AM

Coffee Break

10:15 AM – 11:00 AM

Linemen: Cellular and Humoral Innate Immune Elements, Injury Recognition and Antigen Presentation
Xian Li, MD, PhD
Houston Methodist Hospital
The Methodist Hospital Research Institute
Houston, TX, USA

11:00 AM – 11:45 AM

The Scrimmage: Pulling It All Together to Create a Coordinated Immune Response
Robert Fairchild, PhD
Professor of Molecular Medicine
Cleveland Clinic Foundation
Cleveland, OH, USA

11:45 AM – 12:00 PM

Panel Q/A Discussion

12:00 PM – 1:00 PM

Lunch on Own

The Game – Part 2

Moderators: Robert Fairchild, PhD, Professor of Molecular Medicine, Cleveland Clinic Foundation, Cleveland, OH, USA and Anthony Warrens, DM, PhD, President, British Transplantation Society, London, United Kingdom

The First Quarter: Perioperative Biology, IRI and Associated Innate Effector Functions, Preformed Antibody, Anamnestic T and B Cell Responses, Induction Therapy
Rutger J. Ploeg
University of Oxford
John Radcliffe and Churchill Hospitals
Oxford, United Kingdom

1:00 PM – 1:45 PM

The Second Quarter: Alloimmune Biology in the First Year, Acute TCMR and ABMR with Maintenance Therapy
Christophe Legendre, MD
Professor of Nephrology
Université Paris Descartes, Hospital Necker
Paris, France

1:45 PM – 2:30 PM
Pre-meeting Symposia:
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Saturday, July 26, 2014 • 8:00 am – 5:00 pm

2:30 PM – 3:15 PM  The Second Half: Tissue Repair, Remodeling, Chronic Immune Injury, With Chronic Strategies to Minimize Long-term Toxicity
Brian Nankivell, MD
Renal Medicine
Westmead Hospital
Westmead, Australia

8:30 AM – 8:55 AM  CyTOF: The New Frontier in Cellular Immunophenotyping
Jordi Ochando, PhD
Assistant Professor
Mount Sinai School of Medicine
New York, NY, USA

8:55 AM – 9:00 AM  Q/A Discussion

3:15 PM – 3:45 PM  Coffee Break

3:45 PM – 4:30 PM  Staying In Bounds: Infectious Disease, Malignancy and Maintenance of Protective Immunity
Emily Blumberg, MD
Professor of Medicine
Perelman School of Medicine of the University of Pennsylvania
Philadelphia, PA, USA

9:00 AM – 9:20 AM  Onward to Molecular Diagnostics in Human Transplantation
Michael Mengel, MD
Associate Professor
University of Alberta
Edmonton, AB, Canada

9:20 AM – 9:25 AM  Q/A Discussion

4:30 PM – 4:45 PM  We’ll Get ‘em Next Year! The Future of Transplantation
Roslyn Mannon, MD
Professor of Medicine and Surgery
University of Alabama, Birmingham
Birmingham, AL, USA

4:45 PM – 5:00 PM  Panel Q/A Discussion

9:45 AM – 10:15 AM  Coffee Break

Basic/Translational Science Update

Early Events in Inflammation & Immunity
Moderators: Wilson Wong, MD, Kings College London, London, United Kingdom and Peter Vandenabeele, Professor, Inflammation Research Center, VIB-Ghent University, Zwijnaarde-Ghent, Belgium

10:15 AM – 10:45 AM  Cell Death: New Ways to Pull the Necrosis Trigger
Peter Vandenabeele
Professor
Inflammation Research Center
VIB-Ghent University
Zwijnaarde-Ghent, Belgium

10:45 AM – 10:50 AM  Q/A Discussion

10:50 AM – 11:20 AM  Triggers of Sterile Inflammation
Daniel Goldstein, MD
Professor
Yale University
Woodbridge, CT, USA

11:20 AM – 11:25 AM  Q/A Discussion

8:00 AM – 8:25 AM  In Vivo Imaging of the Immune System: Seeing is Believing
Daniel Kreisel, MD, PhD
Associate Professor of Surgery, Pathology & Immunology
Washington University in St. Louis
St. Louis, MO, USA

11:25 AM – 12:00 PM  Q/A Discussion

8:25 AM – 8:30 AM  Q/A Discussion

Tracks:

Technological Update

Moderators: Michael Mengel, MD, Associate Professor, University of Alberta, Edmonton, AB, Canada and Daniel Kreisel, MD, PhD, Associate Professor of Surgery, Pathology & Immunology, Washington University in St. Louis, St. Louis, MO, USA

8:00 AM – 8:25 AM  In Vivo Imaging of the Immune System: Seeing is Believing
Daniel Kreisel, MD, PhD
Associate Professor of Surgery, Pathology & Immunology
Washington University in St. Louis
St. Louis, MO, USA

8:25 AM – 8:30 AM  Q/A Discussion
### Pre-meeting Symposia: Full Day

**Saturday, July 26, 2014 • 8:00 am – 5:00 pm**

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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Presenter(s)</th>
<th>Institution/Location</th>
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</thead>
</table>
| 11:25 AM – 11:55 PM | Antigen Presentation: Beyond Direct and Indirect | Robert Lechler, KBE, PhD  
Professor  
Kings College London  
London, United Kingdom |  
3:45 PM – 3:50 PM  
Q/A Discussion  
Tracheal Transplant  
Pierre De Laere  
Professor of ENT, Head and Neck Surgery  
UZ Leuven  
Leuven, Belgium |
| 11:55 AM – 12:00 PM | Q/A Discussion                               |                                                                              |  
3:50 PM – 4:20 PM  
Tracheal Transplant  
Pierre De Laere  
Professor of ENT, Head and Neck Surgery  
UZ Leuven  
Leuven, Belgium |
| 12:00 PM – 1:00 PM | Lunch on own                                 |                                                                              |  
1:00 PM – 1:30 PM  
The Microbiome and T-Cell Immunity  
Jeremiah Faith, PhD  
Assistant Professor  
Mount Sinai School of Medicine  
New York, NY, USA |
| 1:00 PM – 1:30 PM | The Microbiome and T-Cell Immunity           | Jeremiah Faith, PhD  
Assistant Professor  
Mount Sinai School of Medicine  
New York, NY, USA |  
1:30 PM – 1:35 PM  
Q/A Discussion  
4:20 PM – 4:25 PM  
Q/A Discussion  
4:25 PM – 4:55 PM  
An Update on Clinical Tolerance Trials  
Sam Strober, MD  
Professor of Medicine  
Stanford University Medical Center  
Stanford, CA, USA |
| 1:30 PM – 1:35 PM | Q/A Discussion                               |                                                                              |  
4:55 PM – 5:00 PM  
Q/A Discussion |
| 1:35 PM – 2:05 PM | The Many Flavors of B Cells                  | Michael Cancro, PhD  
Perelman School of Medicine, University of Pennsylvania  
Philadelphia, PA, USA |  
2:05 PM – 2:10 PM  
Q/A Discussion  
2:10 PM – 2:40 PM  
Regulation of Immunity by Micro-RNAs  
A. Mark Ansel, PhD  
Associate Professor  
University of California  
San Francisco  
San Francisco, CA, USA |
| 2:05 PM – 2:10 PM | Q/A Discussion                               |                                                                              |  
2:40 PM – 2:45 PM  
Q/A Discussion  
2:45 PM – 3:15 PM  
Coffee Break |
| 2:45 PM – 3:15 PM | Pushing the Limits                           | Maria Cristina Cuturi, Instructor, INSERM, Nantes, France and James Yoo, MD, PhD  
Professor, Wake Forest Institute for Regenerative Medicine, Winston-Salem, NC, USA |  
3:15 PM – 3:45 PM  
Organ Regeneration, 3D Tissue Printing and Beyond  
James Yoo, MD, PhD  
8:25 AM – 8:30 AM  
Q/A Discussion |
| 3:15 PM – 3:45 PM | ripe Regeneration                            |                                                                              |  
8:00 AM – 8:25 AM  
The Immune Response to the Allograft: What We Still Do Not Understand  
Manikkam Suthanthiran, MD  
Chief, Transplantation Medicine  
Stanton Griffis Distinguished Professor  
Weill Medical College of Cornell University  
New York, NY, USA |
| 8:00 AM – 8:25 AM | The Immune Response to the Allograft: What We Still Do Not Understand | Manikkam Suthanthiran, MD  
Chief, Transplantation Medicine  
Stanton Griffis Distinguished Professor  
Weill Medical College of Cornell University  
New York, NY, USA |  
8:25 AM – 8:30 AM  
Q/A Discussion |
| 8:25 AM – 8:30 AM | Q/A Discussion                               |                                                                              |
Pre-meeting Symposia:
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8:30 AM – 8:55 AM Pre-transplant HLA Evaluation of the Solid Organ Transplant Recipient
Andrea Zachary, PhD
Professor of Medicine
Johns Hopkins University School of Medicine
Baltimore, MD, USA

11:30 AM – 11:55 AM Diverting into the Pipeline – How Do We Best Develop Drugs From Other Disease States for Transplantation? (e.g. campath, rituxan, bortezimab, eculizamab, etc.) Need for Proper Transplant Trials
Allan Kirk, MD, PhD
Professor of Surgery and Pediatrics
Duke University
Durham, NC, USA

8:55 AM – 9:00 AM Q/A Discussion

9:00 AM – 9:25 AM Optimization of Deceased Donor Organ Function: State of the Art 2014
Rutger J. Ploeg
University of Oxford
John Radcliffe and Churchill Hospitals
Oxford, United Kingdom

11:55 AM – 12:00 PM Q/A Discussion

9:25 AM – 9:30 AM Q/A Discussion

9:30 AM – 9:55 AM Clinical Immunosuppression in 2014
Allan Kirk, MD, PhD
Professor of Surgery and Pediatrics
Duke University
Durham, NC, USA

12:00 PM – 1:00 PM Lunch on own

9:55 AM – 10:00 AM Q/A Discussion

10:00 AM – 10:30 AM Coffee Break

10:30 AM – 10:55 AM Tolerance – Where Do We Stand in 2014?
John Scandling, MD
Professor
Stanford University Medical Center
Palo Alto, CA, USA

1:00 PM – 1:25 PM HLA Sensitization: Desensitization or Donor Exchange?
Dorry Segev, MD, PhD
Associate Professor of Surgery, Epidemiology, and Biostatistics
Johns Hopkins University
Baltimore, MD, USA

1:25 PM – 1:30 PM Q/A Discussion

Andrea Zachary, PhD
Professor of Medicine
Johns Hopkins University
School of Medicine
Baltimore, MD, USA

1:55 PM – 2:00 PM Q/A Discussion

2:00 PM – 2:25 PM Non-Invasive Biomarkers for Kidney and Pancreas Allograft Dysfunction
Minnie Sarwal, MD, PhD, MRCP
Prof., Transplant Nephrology & Pediatrics, Director, Sarwal Lab - BIOMARC Inst., California Pacific Medical Research Institute
Portola Valley, CA, USA

Breakout #1 – Kidney/Pancreas

Tracks:

Moderators: Randall Sung, MD, Associate Professor of Surgery, University of Michigan, Ann Arbor, MI, USA and Klemens Budde, MD, PhD, Charité University Medicine Berlin, Berlin, Germany

1:00 PM – 1:25 PM HLA Sensitization: Desensitization or Donor Exchange?
Dorry Segev, MD, PhD
Associate Professor of Surgery, Epidemiology, and Biostatistics
Johns Hopkins University
Baltimore, MD, USA

1:25 PM – 1:30 PM Q/A Discussion

Andrea Zachary, PhD
Professor of Medicine
Johns Hopkins University
School of Medicine
Baltimore, MD, USA

1:55 PM – 2:00 PM Q/A Discussion

2:00 PM – 2:25 PM Non-Invasive Biomarkers for Kidney and Pancreas Allograft Dysfunction
Minnie Sarwal, MD, PhD, MRCP
Prof., Transplant Nephrology & Pediatrics, Director, Sarwal Lab - BIOMARC Inst., California Pacific Medical Research Institute
Portola Valley, CA, USA

11:25 AM – 11:30 AM Q/A Discussion
# Pre-meeting Symposia: Full Day

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<tr>
<th>Time</th>
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<tr>
<td>2:25 PM – 2:30 PM</td>
<td>Q/A Discussion</td>
<td></td>
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</tbody>
</table>
| 2:30 PM – 2:55 PM | BK Polyoma Nephropathy: New Insights into Pathogenesis, Prevention and Treatment | **Hans Hirsch, MD, MSc**  
*Professor*  
*University of Basel, Department Biomedicine*  
*Basel, Switzerland*  

**Robert Stratta, MD**  
*Professor of Surgery and Director of Transplantation*  
*Wake Forest Baptist Health*  
*Winston Salem, NC, USA* |
| 4:15 PM – 4:20 PM | Con: Whole Organ Pancreas Superior                                        |                                                                           |
| 4:20 PM – 4:30 PM | Panel Discussion                                                          |                                                                           |
| 2:55 PM – 3:00 PM | Q/A Discussion                                                            |                                                                           |
| 3:00 PM – 3:25 PM | Optimal Use of Marginal Kidney Donors                                     | **Randall Sung, MD**  
*Associate Professor of Surgery*  
*University of Michigan*  
*Ann Arbor, MI, USA*  

**Peter Reese, MD**  
*Assistant Professor of Medicine*  
*University of Pennsylvania*  
*Philadelphia, PA, USA* |
| 3:25 PM – 3:30 PM | Q/A Discussion                                                            |                                                                           |
| 3:30 PM – 4:00 PM | Coffee Break                                                              |                                                                           |
| 4:00 PM – 4:05 PM | Pro: Islet Cell Transplantation Superior                                  | **Peter Stock, MD**  
*University of California*  
*San Francisco, CA, USA*  

**James Shapiro, MD, PhD, FRC**  
*University of Alberta Hospital*  
*Edmonton, AB, Canada* |
| 4:05 PM – 4:10 PM | Con: Islet Cell Transplantation Superior                                  | **James Shapiro, MD, PhD, FRC**  
*University of Alberta Hospital*  
*Edmonton, AB, Canada*  

**Robert Stratta, MD**  
*Professor of Surgery and Director of Transplantation*  
*Wake Forest Baptist Health*  
*Winston Salem, NC, USA* |
| 4:15 PM – 4:20 PM | Pro: Whole Organ Pancreas Superior                                        | **Dixon Kauffman, MD, PhD**  
*Ray Owen Professor of Surgery*  
*University of Wisconsin*  
*Madison, WI, USA*  

**Marshall Hertz, MD**  
*Professor*  
*University of Minnesota*  
*Minneapolis, MN, USA*  

**Robert Stratta, MD**  
*Professor of Surgery and Director of Transplantation*  
*Wake Forest Baptist Health*  
*Winston Salem, NC, USA* |
| 4:20 PM – 4:30 PM | Panel Discussion                                                          |                                                                           |
| 4:30 PM – 4:55 PM | Expanded Criteria Living Donors: Can We Safely Use Patients With Risk Factors for Future Disease? | **Peter Reese, MD**  
*Assistant Professor of Medicine*  
*University of Pennsylvania*  
*Philadelphia, PA, USA*  

**Robert Stratta, MD**  
*Professor of Surgery and Director of Transplantation*  
*Wake Forest Baptist Health*  
*Winston Salem, NC, USA* |
| 4:55 PM – 5:00 PM | Q/A Discussion                                                            |                                                                           |

## Debate: Optimal Treatment for Diabetes

**Moderator:** Robert Stratta, MD, Professor of Surgery and Director of Transplantation, Wake Forest Baptist Health, Winston-Salem, NC, USA and James Shapiro, MD, PhD, FRC, University of Alberta Hospital, Edmonton, AB, Canada

**4:00 PM – 4:05 PM**  
**Pro:** Islet Cell Transplantation Superior  
**Peter Stock, MD**  
*University of California*  
*San Francisco, CA, USA*  

**4:05 PM – 4:10 PM**  
**Con:** Islet Cell Transplantation Superior  
**James Shapiro, MD, PhD, FRC**  
*University of Alberta Hospital*  
*Edmonton, AB, Canada*

**4:10 PM – 4:15 PM**  
**Pro:** Whole Organ Pancreas Superior  
**Dixon Kauffman, MD, PhD**  
*Ray Owen Professor of Surgery*  
*University of Wisconsin*  
*Madison, WI, USA*  

## Breakout #2: Lung

**Tracks:**

**Moderators:** Maryam Valapour, MD, Assistant Professor of Medicine, University of Minnesota, Minneapolis, MN, USA and James S. Allan, MD, Assistant Professor of Surgery, Massachusetts General Hospital, Boston, MA, USA

**1:00 PM – 1:25 PM**  
Changing Epidemiology of Lung Transplant Candidates: The Effects of the LAS and Beyond  
**Cynthia Gries, MD MSc**  
*Assistant Professor of Medicine*  
*University of Pittsburgh*  
*Pittsburgh, PA, USA*

**1:25 PM – 1:30 PM**  
Q/A Discussion

**1:30 PM – 1:55 PM**  
Changing Epidemiology of Optimal Lung Donors  
**Marshall Hertz, MD**  
*Professor*  
*University of Minnesota*  
*Minneapolis, MN, USA*  

**1:55 PM – 2:00 PM**  
Q/A Discussion
### Pre-meeting Symposia: Full Day

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#### 2:00 PM – 2:25 PM
**Evolving Role of ECMO Supporting Lung Transplant Candidates**
- **David Mason, MD**  
  Staff Surgeon  
  Cleveland Clinic  
  Cleveland, OH, USA

#### 2:25 PM – 2:30 PM
**Q/A Discussion**

#### 2:30 PM – 2:55 PM
**Lung Transplant Rejection and Surveillance in 2014 – Newer Options**
- **Allan Glanville, MD, MBBS, FRACP**  
  Director of Thoracic Medicine and Medical Director Lung Transplantation  
  St. Vincent’s Hospital  
  Darlinghurst, NSW, Australia

#### 2:55 PM – 3:00 PM
**Q/A Discussion**

#### 3:00 PM – 3:30 PM
**Coffee Break**

#### 3:30 PM – 3:55 PM
**Antibody Mediated Rejection in Lung Transplantation**
- **Ramsey Hachem, MD, PhD**  
  Associate Professor of Medicine  
  Washington University  
  St. Louis, MO, USA

#### 3:55 PM – 4:00 PM
**Q/A Discussion**

#### 4:00 PM – 4:25 PM
**Bronchiolitis Obliterans: Emerging Mechanisms**
- **Robin Vos, MD, PhD**  
  Associate Professor Respiratory Medicine  
  KULeuven and UZLeuven, Dept. Respiratory Medicine, Lung Transplant Unit  
  Leuven, Belgium

#### 4:25 PM – 4:30 PM
**Q/A Discussion**

#### 4:30 PM – 4:45 PM
**Ex Vivo Lung Perfusion: The Next Frontier**
- **Marcelo Cypel, MD, MSc**  
  Assistant Professor of Surgery  
  University of Toronto  
  Toronto, ON, Canada

#### 4:45 PM – 5:00 PM
**Q/A Discussion**

### Breakout #3 – Heart

#### Tracks:

**Moderators: Sharon Hunt, MD, Professor of Medicine, Stanford University, Stanford, CA, USA and Guy MacGowan, MD, FRCP, Honorary Clinical Senior Lecturer, Freeman Hospital, Newcastle, United Kingdom**

#### 1:00 PM – 1:25 PM
**Changing Epidemiology of Heart Transplant Candidates**
- **Lee Goldberg, MD, MPH**  
  Associate Professor of Medicine  
  University of Pennsylvania  
  Philadelphia, PA, USA

#### 1:25 PM – 1:30 PM
**Q/A Discussion**

#### 1:30 PM – 1:55 PM
**Changing Epidemiology of Optimal Heart Donors**
- **Guy MacGowan, MD, FRCP**  
  Honorary Clinical Senior Lecturer  
  Freeman Hospital  
  Newcastle, United Kingdom

#### 1:55 PM – 2:00 PM
**Q/A Discussion**

#### 2:00 PM – 2:25 PM
**Evolving Role of Mechanical Circulatory Support in Heart Transplant Recipient Selection**
- **Joseph Rogers, MD**  
  Associate Professor of Medicine  
  Duke University  
  Durham, NC, USA

#### 2:25 PM – 2:30 PM
**Q/A Discussion**
Pre-meeting Symposia: Full Day

Saturday, July 26, 2014 • 8:00 am – 5:00 pm

2:30 PM – 2:55 PM Cardiac Transplant Rejection Surveillance in 2014 – Newer Options
JoAnne Lindenfeld, MD
University of Colorado
Aurora, CO, USA

2:55 PM – 3:00 PM Q/A Discussion

3:00 PM – 3:30 PM Coffee Break

Moderators: Teresa DeMarco, MD, University of California San Francisco, San Francisco, CA, USA and Jignesh Patel, MD, PhD, Medical Director Heart Transplant, Associate Professor of Clinical Medicine, David Geffen School of Medicine at UCLA, Cedars-Sinai Heart Institute, Los Angeles, CA, USA

3:30 PM – 3:55 PM Antibody Mediated Rejection in Heart Transplantation
Abdullah G. Kfoury, MD
Director, U.T.A.H. Cardiac Transplant Program
Intermountain Medical Center
Murray, UT, USA

3:55 PM – 4:00 PM Q/A Discussion

4:00 PM – 4:25 PM Approach to Coronary Allograft Vasculopathy in 2014
Randall Starling, MD, MPH
Section Chief of Heart Failure and Cardiac Transplant Medicine
Cleveland Clinic
Cleveland, OH, USA

4:25 PM – 4:30 PM Q/A Discussion

4:30 PM – 4:55 PM Desensitization Strategies in Heart Transplant Recipients
Marisa Crespo-Leiro, MD, PhD
Medical Director of the Advanced Heart Failure Transplant Unit at the Hospital Universitario A Coruña
La Coruña, Spain

4:55 PM – 5:00 PM Q/A Discussion

Breakout #4 – Liver

Tracks:

Who Should be Transplanted First?
Moderators: John Fung, MD, PhD, Professor of Surgery & Chairman of Digestive Disease Institute, Cleveland Clinic Foundation, Cleveland, OH, USA and Ben-Hur Ferraz-Neto, MD, PhD, Director and Professor of Surgery, Liver Institute, Hospital Beneficência Portuguesa de São Paulo, São Paulo, Brazil

1:00 PM – 1:20 PM Deconstructing Current Distribution Systems: What is Fair?
John Lake, MD
Professor of Medicine
University of Minnesota Medical School
Minneapolis, MN, USA

1:20 PM – 1:40 PM Pediatric Allocation – Are We Doing the Right Thing?
Simon Horslen, MB, ChB
Medical Director Liver & Intestine Transplant
Seattle Children’s Hospital
Seattle, WA, USA

1:40 PM – 2:00 PM HCC and Transplantation – Alternative Treatment and Allocation Strategies
Julie Heimbach, MD
Associate Professor of Surgery
The Mayo Clinic
Rochester, MN, USA

2:00 PM – 2:20 PM Panel Q/A Discussion

2:20 PM – 2:50 PM Coffee Break
Pre-meeting Symposia: Full Day

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**What is the Best Graft for the Best Patient?**

Moderators: Gregory Everson, MD, CM, Professor of Medicine, University of Colorado Health Science Center, Aurora, CO, USA and James Trotter, MD, Medical Director of Liver, Baylor University Medical Center, Dallas, TX, USA

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<tr>
<td>2:50 PM</td>
<td>Evolving Patterns of LD and DD Use: Views from the East, West and South</td>
<td>Jean Emond, MD, Director of Transplantation, Columbia University Medical Center Surgery, New York, NY, USA</td>
</tr>
<tr>
<td>3:00 PM</td>
<td>South</td>
<td>Ben-Hur Ferraz-Neto, MD, PhD, Director and Professor of Surgery, Liver Institute, Hospital Beneficência Portuguesa de Sao Paulo, Sao Paulo, Brazil</td>
</tr>
<tr>
<td>3:10 PM</td>
<td>East</td>
<td>Subash Gupta, MS, AIIMS, FRCS ANG Centre for Liver and Biliary Sciences, New Dehli, India</td>
</tr>
<tr>
<td>3:30 PM</td>
<td>Panel Discussion</td>
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<tr>
<td>3:35 PM</td>
<td>DCD Transplantation – Is There a “Best Practice” Strategy? –</td>
<td>Burcin Taner, MD, Associate Professor of Surgery, Mayo Clinic Florida, Jacksonville, FL, USA</td>
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<tr>
<td>3:55 PM</td>
<td>Q/A Discussion</td>
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**Post-transplant Strategies**

Moderators: Gregory Everson, MD, CM, Professor of Medicine, University of Colorado Health Science Center, Aurora, CO, USA and James Trotter, MD, Medical Director of Liver, Baylor University Medical Center, Dallas, TX, USA

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<td>Biologics and Other New Drugs: Will They Make a Difference in Liver Transplantation?</td>
<td>Stuart Knechtle, MD, Professor of Surgery and Pediatrics, Emory University School of Medicine, Atlanta, GA, USA</td>
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<tr>
<td>4:25 PM</td>
<td>Q/A Discussion</td>
<td></td>
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<tr>
<td>4:30 PM</td>
<td>Management of Post-transplant HCV With Interferon-Free Regimens</td>
<td>K. Rajender Reddy, MD, Professor of Medicine, Director of Hepatology, University of Pennsylvania, Philadelphia, PA, USA</td>
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<tr>
<td>4:55 PM</td>
<td>Q/A Discussion</td>
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## Pre-meeting Symposia:
### Full Day

**Saturday, July 26, 2014 • 8:00 am – 5:00 pm**

### Allied Health:
*Global Issues in Transplantation – Innovations in Practice*

**Tracks:**

**Moderators: Kathryn Kable, MNId, Westmead Hospital, Westmead, Australia and Linda Ohler, MSN, RN, CCTC, FAAN, Editor, Progress in Transplantation, Arlington, VA, USA**

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<td>8:00 AM – 8:20 AM</td>
<td>Outreach/Satellite Clinics: Considerations in Development &amp; Operation</td>
<td>Jennifer Milton, BSN, MBA</td>
<td>University of Texas Health Science Center at San Antonio, San Antonio, TX, USA</td>
</tr>
<tr>
<td>8:20 AM – 8:25 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>8:25 AM – 8:45 AM</td>
<td>Transplant TeleHealth</td>
<td>Carl Berg, MD</td>
<td>Duke University, Durham, NC</td>
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<tr>
<td>8:45 AM – 8:50 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>8:50 AM – 9:10 AM</td>
<td>Paired Kidney Donation</td>
<td>Dorry Segev, MD</td>
<td>Johns Hopkins Medical Institutions, Baltimore, MD, USA</td>
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<tr>
<td>9:10 AM – 9:15 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>9:15 AM – 9:35 AM</td>
<td>Staffing Considerations in Optimizing KPD Access</td>
<td>Suzanne McGuire, RN, BSN, CCTC</td>
<td>University of California Los Angeles, CA, USA</td>
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<tr>
<td>9:35 AM – 9:40 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>9:40 AM – 10:00 AM</td>
<td>Psychosocial Considerations in Kidney Paired Donation</td>
<td>Mary DeKlerk, PhD</td>
<td>Erasmus Medical Center, Rotterdam, The Netherlands</td>
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<tr>
<td>10:00 AM – 10:05 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>10:05 AM – 10:30 AM</td>
<td>Coffee Break</td>
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<tr>
<td>10:30 AM – 10:55 AM</td>
<td>Drug Shortages and Their Impact on Medication Safety and Adverse Events</td>
<td>Christopher Fortier, PharmD</td>
<td>Massachusetts General Hospital, Boston, MA, USA</td>
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<tr>
<td>10:55 AM – 11:00 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>11:00 AM – 11:25 AM</td>
<td>Generic Immunosuppressants: The Role of Bioequivalency Testing</td>
<td>Teun Van Gelder, MD</td>
<td>Erasmus Medical Center, Rotterdam, The Netherlands</td>
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<tr>
<td>11:25 AM – 11:30 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>11:30 AM – 11:55 AM</td>
<td>Using HIV-Positive Donors in HIV-Positive Recipients</td>
<td>Elmi Muller, MD</td>
<td>Tyger Valley, Cape Town, South Africa</td>
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</tbody>
</table>
## Pre-meeting Symposia:
### Full Day

**Saturday, July 26, 2014 • 8:00 am – 5:00 pm**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>11:55 AM – 12:00 PM</td>
<td>Q/A Discussion</td>
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<tr>
<td>12:00 PM – 1:00 PM</td>
<td>Lunch on own</td>
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</tbody>
</table>

**Moderators:** Dianne LaPointe-Rudow, ANP-BC, DNP, CCTC, Associate Professor, Recanti/Miller Transplantation Institute, Mt. Sinai Medical Center, New York, NY, USA and Marian O’Rourke, RN, CCTC, Associate Director, Miami Transplant Institute, Miami, FL, USA

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>1:00 PM – 1:25 PM</td>
<td>Using Evidenced Based eHealth Education and Social Support for Living Donors and Families: Addressing the Racial and Gender Divide</td>
<td>Laura Taylor, PhD, RN, Assistant Professor Dept. of Acute and Chronic Care Johns Hopkins University School of Nursing Baltimore, MD, USA</td>
</tr>
<tr>
<td>1:25 PM – 1:30 PM</td>
<td>Q/A Discussion</td>
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<tr>
<td>1:30 PM – 1:55 PM</td>
<td>Long-term Live Donor Follow-up: A Global Attempt to Achieving Quality Outcomes</td>
<td>Jeremy Chapman, MD, FRACP, Division of Medicine and Cancer Westmead Hospital Westmead, Australia</td>
</tr>
<tr>
<td>1:55 PM – 2:00 PM</td>
<td>Q/A Discussion</td>
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<tr>
<td>2:00 PM – 2:25 PM</td>
<td>A Model of Excellence in Live Donor Follow-Up</td>
<td>Marty Manyalich-Vidal, MD, PhD TPM Hospital Clinic de Barcelona Barcelona, Spain</td>
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<tr>
<td>2:25 PM – 2:30 PM</td>
<td>Q/A Discussion</td>
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<tr>
<td>2:30 PM – 2:55 PM</td>
<td>Defining Excellence in Psychosocial Health After Live Donation</td>
<td>James Rodrigue, PhD, Associate Professor Beth Israel Deaconess Medical Center Boston, MA, USA</td>
</tr>
<tr>
<td>2:55 PM – 3:00 PM</td>
<td>Q/A Discussion</td>
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</table>

### Coffee Break

**Moderators:** Beverly Kosmach-Park, DNP, Clinical Nurse Specialist, Children’s Hospital of Pittsburgh, Pittsburgh, PA, USA and Linda Ohler, MSN, RN, CCTC, FAAN, Editor, Progress in Transplantation, Arlington, VA, USA

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>3:00 PM – 3:30 PM</td>
<td>Coffee Break</td>
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<tr>
<td>3:30 PM – 3:45 PM</td>
<td>Assessing Transition Readiness</td>
<td>Emily Fredericks, PhD, Associate Professor of Pediatrics University of Michigan Health System Ann Arbor, MI, USA</td>
</tr>
<tr>
<td>3:45 PM – 4:00 PM</td>
<td>Implementation and Outcomes of a Transitional Care Program</td>
<td>Stacey Lerret, RN, PhD, CPNP, Assistant Professor Medical College of Wisconsin/Childrens Hospital of Wisconsin Milwaukee, WI, USA</td>
</tr>
<tr>
<td>4:00 PM – 4:15 PM</td>
<td>From Research to Innovation: The “On Your Feet” Transition Program</td>
<td>AnnaLoes van Staa, RN, MA, MD, Professor Erasmus University Rotterdam, The Netherlands</td>
</tr>
<tr>
<td>4:15 PM – 4:20 PM</td>
<td>Q/A Discussion</td>
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</tr>
<tr>
<td>4:20 PM – 4:55 PM</td>
<td>Guidelines for Diagnosis and Treatment of Infection in Transplant Recipients</td>
<td>Camille Kotton, MD, Associate Professor, Harvard Medical School Clinical Director, Transplant Infectious Disease Massachusetts General Hospital Boston, MA, USA</td>
</tr>
<tr>
<td>4:55 PM – 5:00 PM</td>
<td>Q/A Discussion</td>
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</table>
# Pre-meeting Symposia:
Half Day

Saturday, July 26, 2014 • 1:00 pm – 5:30 pm

**Transplant 101: Essentials of Transplant Infectious Disease - a Case-Based Approach**

*(Audience Response System)*

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<th>Institution</th>
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</thead>
<tbody>
<tr>
<td>1:00 PM - 1:25 PM</td>
<td>Overview – Risk Factors, The Timeline of Infection After Transplantation, “Indirect Effects” – Case: Complexities of Transplant Management</td>
<td>Jay Alan Fishman, MD Professor of Medicine</td>
<td>Massachusetts General Hospital/Harvard Medical School, Boston, MA, USA</td>
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<td>Paolo Grossi, MD, PhD Professor of Infectious Diseases</td>
<td>Università degli Studi dell’Insubria, Varese, Italy</td>
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<tr>
<td>1:25 PM – 1:30 PM</td>
<td>Q/A Discussion</td>
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<tr>
<td>1:30 PM - 1:55 PM</td>
<td>Donor-Derived Infections and Donor Screening – Case: Donor-Derived Infection</td>
<td>Paolo Grossi, MD, PhD Professor of Infectious Diseases</td>
<td>Università degli Studi dell’Insubria, Varese, Italy</td>
</tr>
<tr>
<td>1:55 PM – 2:00 PM</td>
<td>Q/A Discussion</td>
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<tr>
<td>2:00 PM - 2:25 PM</td>
<td>Antimicrobial Resistant Bacteria and Antimicrobial Stewardship – Case: Bacterial Resistance</td>
<td>Shirish Huprikar, MD Director, Transplant Infectious Diseases Program</td>
<td>Icahn School of Medicine at Mount Sinai New York, NY, USA</td>
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<tr>
<td>2:25 PM – 2:30 PM</td>
<td>Q/A Discussion</td>
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<tr>
<td>2:30 PM - 2:55 PM</td>
<td>Tuberculosis in Transplantation – Case: TB</td>
<td>Karen Doucette, MD Associate Professor of Medicine</td>
<td>University of Alberta Edmonton, AB, Canada</td>
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<tr>
<td>2:55 PM - 3:00 PM</td>
<td>Q/A Discussion</td>
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<td>3:00 PM - 3:30 PM</td>
<td>Coffee Break</td>
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<tr>
<td>3:30 PM - 3:55 PM</td>
<td>Aspergillus, Moulds, and Antifungal Monitoring – Case: Fungal</td>
<td>Deborah Marriott, FRACP FRCPA Professor</td>
<td>St. Vincent’s Hospital Sydney, Australia</td>
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<td>3:55 PM – 4:00 PM</td>
<td>Q/A Discussion</td>
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<tr>
<td>4:00 PM - 4:25 PM</td>
<td>Cryptococcus and Immune Reconstitution – Case: IRIS</td>
<td>Shahid Husain, MD, MS Associate Professor of Medicine</td>
<td>University Health Network Toronto, ON, Canada</td>
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<tr>
<td>4:25 PM – 4:30 PM</td>
<td>Q/A Discussion</td>
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<tr>
<td>4:30 PM - 4:55 PM</td>
<td>Parasitic Infections (Chagas’, Leishmania) in Transplantation – Case: Parasites</td>
<td>Clárisse M. Machado, MD Virology Laboratory Director</td>
<td>Sao Paulo Institute of Tropical Medicine/University of Sao Paulo Sao Paulo, Brazil</td>
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<tr>
<td>4:55 PM – 5:00 PM</td>
<td>Q/A Discussion</td>
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<tr>
<td>5:00 PM - 5:25 PM</td>
<td>Encephalitis and Meningitis – Case: Donor Derived Meningoencephalitis</td>
<td>Daniel Kaul, MD Associate Professor</td>
<td>University of Michigan Ann Arbor, MI, USA</td>
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<tr>
<td>5:25 PM - 5:30 PM</td>
<td>Q/A Discussion</td>
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Pre-meeting Symposia:  
Half Day

Saturday, July 26, 2014 • 1:00 pm – 5:30 pm

The Living Donor: 
Outcomes and Concerns

Tracks:

Moderators: Mary Amanda Dew, PhD, Professor of Psychiatry, Psychology, Epidemiology and Biostatistics, University of Pittsburgh, School of Medicine, Pittsburgh, PA, USA and Anita Patel, MD, Medical Director, Kidney and Pancreas Transplantation, The Transplant Institute Henry Ford Hospital, Detroit, MI, USA

1:00 PM - 1:15 PM 
Long-term Outcome for Kidney Donors – the Data
Hassan Ibrahim, MD, MS
Professor of Medicine
University of Minnesota
Minneapolis, MN, USA

1:15 PM – 1:20 PM Q/A Discussion

1:20 PM - 1:35 PM Estimating Long-term Risk in Donors <45 (And Informed Consent)
Robert W. Steiner, MD
Professor Clinical Medicine
UCSD Center for Transplantation
University of California San Diego
School of Medicine
San Diego, CA, USA

1:35 PM – 1:40 PM Q/A Discussion

1:40 PM - 1:55 PM Long-term Outcome for Liver Donors
Kyung-Suk Suh, MD
Professor and Chairman, Director of HBSP Surgery & Liver Transplantation
Seoul National University College of Medicine
Seoul, Republic of Korea

1:55 PM – 2:00 PM Q/A Discussion

2:00 PM - 2:15 PM Long-term Psychosocial Risk: Kidney and Liver Donors
Mary Amanda Dew, PhD
Professor of Psychiatry, Psychology, Epidemiology and Biostatistics
University of Pittsburgh School of Medicine
Pittsburgh, PA, USA

2:15 PM - 2:20 PM Q/A Discussion

2:20 PM - 2:35 PM Maximizing Living Liver Donation
Gary Levy, MD
Professor of Medicine
Toronto General Hospital
Toronto, ON, Canada

2:40 PM - 2:55 PM Worst Case Scenario: A Disaster Plan in Case of Donor Death
Elizabeth Pomfret, MD, PhD, FACS
Professor of Surgery, Tufts University, Chair, Dept of Transplantation & HPB
Lahey Clinic Medical Center
Burlington, MA, USA

2:55 PM – 3:00 PM Q/A Discussion

3:00 PM - 3:30 PM Coffee Break

Donor Evaluation and Follow-Up

Moderators: Jonas Wadstrom, MD, PhD, Professor, Karolinska University Hospital, Stockholm, Sweden and Anil Chandrakar, MD, FRCP, Medical Director of Kidney Transplantation, Brigham and Women’s Hospital, Boston, MA, USA

3:30 PM - 3:45 PM Difficult Donor Decisions: Kidney (Medical)
Robert Gaston, MD
Endowed Professor of Transplant Nephrology
University of Alabama at Birmingham
Birmingham, AL, USA

3:45 PM – 3:50 PM Q/A Discussion

www.wtc2014.org
### Pre-meeting Symposia: Half Day

**Saturday, July 26, 2014 • 1:00 pm – 5:30 pm**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker Details</th>
</tr>
</thead>
</table>
| 3:50 PM - 4:05 PM | Difficult Donor Decisions: Liver (Medical)                               | Daniela Ladner, MD, MPH  
Assistant Professor of Surgery  
Northwestern University Feinberg  
School of Medicine  
Chicago, IL, USA |
| 4:05 PM - 4:10 PM | Q/A Discussion                                                          |                                                                                 |
| 4:10 PM - 4:25 PM | Difficult Donor Decisions: Psychosocial) Kidney, Liver and KPD           | Rebecca Hays, MSW  
Living Donor Social Worker and  
Independent Living Donor Advocate  
University of Wisconsin Hospital and  
Clinics  
Madison, WI, USA |
| 4:25 PM – 4:30 PM | Q/A Discussion                                                          |                                                                                 |
| 4:30 PM - 4:45 PM | Role of Paired Kidney Donation (PKD) in LDT                              | Dorry Segev, MD, PhD  
Associate Professor of Surgery, Epidemiology, and Biostatistics  
Johns Hopkins University  
Baltimore, MD |
| 4:45 PM – 4:50 PM | Q/A Discussion                                                          |                                                                                 |
| 4:50 PM - 5:05 PM | Long-term Follow-up: Medical                                             | Jonas Wadstrom, MD, PhD  
Professor  
Karolinska University Hospital  
Stockholm, Sweden |
| 5:05 PM – 5:10 PM | Q/A Discussion                                                          |                                                                                 |
| 5:10 PM - 5:25 PM | Long-term Follow-up: Psychosocial                                         | Hassan Ibrahim, MD, MS  
Professor of Medicine  
University of Minnesota  
Minneapolis, MN, USA |
| 5:25 PM – 5:30 PM | Q/A Discussion                                                          |                                                                                 |
Pre-meeting Symposia: 
Half Day

Sunday, July 27, 2014 • 8:00 am – 12:00 pm

**Transplant 101: Essentials of Transplant Infectious Disease - a Case-Based Approach**
*(Audience Response System)*

**Tracks:**

**Moderators:** Camille Kotton, MD, Clinical Director Transplant Infectious Disease, Associate Director Harvard Medical School, Massachusetts General Hospital, Boston, MA, USA and Emily Blumberg, MD, Professor of Medicine, Perelman School of Medicine of the University of Pennsylvania, Philadelphia, PA, USA

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<td>8:00 AM – 8:20 AM</td>
<td>Cytomegalovirus: Monitoring, Prophylaxis and Therapy – Case: CMV</td>
<td>Camille Kotton, MD, Associate Professor, Harvard Medical School, Clinical Director, Transplant Infectious Disease, Massachusetts General Hospital, Boston, MA, USA</td>
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<tr>
<td>8:20 AM – 8:25 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>8:25 AM – 8:45 AM</td>
<td>Post-Transplant Hepatitis C in Transplantation – Case: Hepatitis C in Extra Hepatic Transplants</td>
<td>Norah Terrault, MD, MPH, University of California San Francisco, San Francisco, CA, USA</td>
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<tr>
<td>8:45 AM – 8:50 AM</td>
<td>Q/A Discussion</td>
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<td>8:50 AM – 9:10 AM</td>
<td>C. Difficile Colitis in Transplantation – Case: C. Difficile Infection</td>
<td>Erik Dubberke, MD, Associate Professor, Washington University School of Medicine, St. Louis, MO, USA</td>
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<tr>
<td>9:10 AM – 9:15 AM</td>
<td>Q/A Discussion</td>
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<td>9:15 AM – 9:35 AM</td>
<td>Respiratory Viral Infections in Lung Transplantation – Case: RVI</td>
<td>Michael Ison, MD, MS, Northwestern University, Chicago, IL, USA</td>
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<tr>
<td>9:35 AM – 9:40 AM</td>
<td>Q/A Discussion</td>
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<td>9:40 AM – 10:00 AM</td>
<td>Use of HIV Positive Donors – Can South African Experience Be Extended to Other Locales?</td>
<td>Emily Blumberg, MD, Professor of Medical School, Massachusetts General Hospital, Boston, MA, USA</td>
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<td>10:00 AM – 10:05 AM</td>
<td>Q/A Discussion</td>
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<td>10:05 AM – 10:35 AM</td>
<td>Coffee Break</td>
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<tr>
<td>10:35 AM – 10:55 AM</td>
<td>When to Say “No” to Transplantation</td>
<td>Atul Humar, MD, Professor, Department of Medicine, University of Toronto, Toronto, ON, Canada</td>
</tr>
<tr>
<td>10:55 AM – 11:00 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>11:00 AM – 11:20 AM</td>
<td>Cost-Effective and Optimal Use of Your Clinical Laboratory</td>
<td>Gregory Storch, MD, Ruth L. Siteman Professor of Medicine, Washington University School of Medicine, St. Louis, MO, USA</td>
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<tr>
<td>11:20 AM – 11:35 AM</td>
<td>Q/A Discussion</td>
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<td>11:45 AM – 11:50 AM</td>
<td>Q/A Discussion</td>
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<td>12:00 PM – 1:00 PM</td>
<td>Lunch on own</td>
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Pre-meeting Symposia:  
Half Day

Sunday, July 27, 2014 • 8:00 am – 12:00 pm

Interpreting Genetic/Genomic Data:  
Bioinformatics 101

Tracks:

Moderators: Barbara Murphy, MD, Professor of Medicine, Mt. Sinai School of Medicine, New York, NY, USA and Roslyn Mannon, MD, Professor of Medicine and Surgery, University of Alabama-Birmingham, Birmingham, AL, USA

8:00 AM – 8:30 AM  
Bioinformatics Programming with Open-Source Tools  
Joel Dudley, PhD  
Director of Biomedical Informatics  
Mount Sinai School of Medicine  
New York, NY, USA

8:30 AM – 8:35 AM  
Q/A Discussion

8:35 AM – 9:05 AM  
Bioinformatics and Clinical Genomics  
Michael Holmes, PhD  
Assistant Professor  
Perelman School of Medicine  
University of Pennsylvania  
Philadelphia, PA, USA

9:05 AM – 9:10 AM  
Q/A Discussion

9:10 AM – 9:40 AM  
Clinical Data Mining  
Li Li  
Senior Bioinformatics Scientist  
Icahn School of Medicine at Mt. Sinai  
New York, NY, USA

9:40 AM – 9:45 AM  
Q/A Discussion

9:45 AM – 10:15 AM  
Integrative Genomics  
Brendan J. Keating, D. Phil  
Assistant Professor of Pediatric and Surgery  
University of Pennsylvania and Children’s Hospital of Pennsylvania  
Philadelphia, PA, USA

10:15 AM – 10:20 AM  
Q/A Discussion

10:20 AM – 10:50 AM  
Coffee Break

10:50 AM – 11:20 AM  
Computational Drug Discovery and Repurposing  
Michael Keiser, PhD  
Assistant Professor  
University of California San Francisco  
San Francisco, CA, USA

11:20 AM – 11:25 AM  
Q/A Discussion

11:25 AM – 11:55 AM  
A Bioinformatics Tour of the ENCODE Project  
Michael Snyder, MD, FACS  
Professor in Genetics  
Stanford University  
Stanford, CA, USA

11:55 AM – 12:00 PM  
Q/A Discussion

12:00 PM – 1:00 PM  
Lunch on own

Update From the Banff 2013 Conference

Tracks:

Moderators: Paul Martin, MD, University of Miami, Miami, FL, USA and W. Dean Wallace, MD, Associate Professor of Pathology, David Geffen School of Medicine at UCLA, Los Angeles, CA, USA

8:00 AM – 8:45 AM  
Kidney and Pancreas  
Mark Haas, MD, PhD  
Department of Pathology  
Cedars Sinai Medical Center, West Hollywood, CA, USA

8:45 AM – 8:50 AM  
Q/A Discussion

8:50 AM – 9:35 AM  
Heart and Lung  
E. Rene Rodriguez, MD  
Professor of Pathology  
The Cleveland Clinic  
Cleveland, OH, USA

9:35 AM – 9:40 AM  
Q/A Discussion
Pre-meeting Symposia: 
Half Day
Sunday, July 27, 2014 • 8:00 am – 12:00 pm

9:40 AM – 10:25 AM Liver
Anthony J. Demetris, MD
Professor of Pathology
University of Pittsburgh Medical Center - Montefiore
Pittsburgh, PA, USA

10:25 AM – 10:30 AM Q/A Discussion

10:30 AM – 11:00 AM Coffee Break

11:00 AM – 11:45 AM Composite Tissue Allograft and Pancreas Pathology
Cinthia Drachenberg, MD
Department of Pathology
University of Maryland School of Medicine
Baltimore, MD, USA

11:45 AM – 11:50 AM Q/A Discussion

12:00 PM – 1:00 PM Lunch on own

Human Immunology:
Are Mice Like Men?

Tracks:

8:00 AM – 8:25 AM Fundamental Differences Between Mouse and Human Responses to Inflammation
Ron Tompkins, MD, SCD
Division Chief, Division of Burns Massachusetts General Hospital
Boston, MA, USA

8:25 AM – 8:30 AM Q/A Discussion

8:30 AM – 8:55 AM How Gut DC Respond to Microbiota in Mouse vs Man to Alter T cell Responses.
Elizabeth Mann
Johns Hopkins University School of Medicine
Baltimore, MD, USA

9:00 AM – 9:25 AM Innate System Differences Between Mouse and Human
Steven Sacks, MD, PhD
King’s College London Guys Hospital
London, United Kingdom

9:25 AM – 9:30 AM Q/A Discussion

9:30 AM – 9:55 AM Are Outbred Mice a Better Model for Transplant Rejection
Dawn Reichenbach, MD Postdoctoral Fellow
University of Minnesota Minneapolis, MN, USA

9:55 AM – 10:00 AM Q/A Discussion

10:00 AM – 10:30 AM Coffee Break

10:30 AM – 10:55 AM Building the Optimum Humanized Mouse
Megan Sykes, MD, Michael J. Friedlander Professor of Medicine and Professor of Microbiology & Immunology
Columbia University Medical Center New York, NY, USA

10:55 AM – 11:00 AM Q/A Discussion

11:00 AM – 11:25 AM Transplant Arteriosclerosis in Humanized Mice
Jordan Pober, MD, PhD Bayer Professor of Translational Medicine
Yale University School of Medicine New Haven, CT, USA

11:25 AM – 11:30 AM Q/A Discussion

11:30 AM – 12:00 PM What is the Best Model to Study CMV in Transplantation?
Michael Abecassis, MD J. Roscoe Miller Distinguished Professor
Northwestern University Feinberg School of Medicine Chicago, IL, USA

12:00 PM – 1:00 PM Lunch on own
## Pre-meeting Symposia:
### Half Day

**Update in Pediatric Solid Organ Transplantation:**
**Focus on Living Donation**

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

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<tr>
<td>8:00 AM – 8:25 AM</td>
<td>Immunological Aspects of Operational Tolerance After Pediatric Living Donor Liver Transplantation</td>
<td>Carlos Esquivel, MD, PhD, Silverman Professor of Pediatric Transplantation and Professor of Surgery, Stanford University School of Medicine, Palo Alto, CA, USA</td>
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<tr>
<td>8:25 AM – 8:30 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>8:30 AM – 8:55 AM</td>
<td>Psychosocial Evaluation of Living Donors</td>
<td>Alastair Santhouse, FRCPsych, MRCP, Consultant in Psychological Medicine, South London and Maudsley NHS Foundation Trust &amp; King’s Health Partners, London, United Kingdom</td>
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<tr>
<td>9:00 AM – 9:25 AM</td>
<td>Contemporary Results of Living-related Kidney Transplantation</td>
<td>Lars Pape, MD, PhD, Professor of Pediatric Nephrology, Hannover Medical School, Hannover, Germany</td>
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<tr>
<td>9:25 AM – 9:30 AM</td>
<td>Panel Q/A Discussion</td>
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<tr>
<td>9:30 AM – 9:55 AM</td>
<td>Current Status of Living-Related Liver Transplantation</td>
<td>Patrick McKiernan, MD, Consultant Pediatric Hepatologist, Birmingham Children’s Hospital, Birmingham, United Kingdom</td>
</tr>
<tr>
<td>9:55 AM – 10:00 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>10:00 AM – 10:30 AM</td>
<td>Coffee Break</td>
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<tr>
<td>10:30 AM – 10:45 AM</td>
<td>Pulmonary Complications in Pediatric Non-Lung Transplant Recipients</td>
<td>Christian Benden, MD, Director of Pediatric and Adult Lung Transplant Program, University of Zurich Hospital, Zurich, Switzerland</td>
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<tr>
<td>10:45 AM – 10:50 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>10:50 AM – 11:05 AM</td>
<td>Mechanical Assist Device Support as a Bridge to Thoracic Transplantation</td>
<td>Anne Dipchand, MD, FRCP, Head Heart Transplant Program, The Hospital of Sick Children, Toronto, ON, Canada</td>
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<tr>
<td>11:05 AM – 11:10 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>11:10 AM – 11:25 AM</td>
<td>Renal Replacement Therapy: Before, During and After Solid Organ Transplantation</td>
<td>Stuart Goldstein, MD, Director, Center for Acute Care Nephrology, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH, USA</td>
</tr>
</tbody>
</table>
# Pre-meeting Symposia:
## Half Day

**Sunday, July 27, 2014 • 8:00 am – 12:00 pm**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>11:25 PM – 11:30 PM</td>
<td>Q/A Discussion</td>
<td></td>
</tr>
</tbody>
</table>
| 11:30 AM – 11:45 AM | Liver Disease: Considerations in Non-Liver Pediatric Transplantation – Joint Presentation | John Bucuvalas, MD  
Director of Integrated Solid Organ Transplant Center  
Cincinnati Children’s Hospital Medical Center  
Cincinnati, OH, USA  
Michael Narkewicz, MD  
Medical Director, Pediatric Liver Center & Liver Transplantation  
Children’s Hospital Colorado  
Aurora, CO, USA |
| 8:20 AM – 8:35 AM | Towards Standardization of a Messy Problem: Impact and Insights of the ISHLT AMR Classification | Annalisa Angelini, MD  
University of Padova  
Padova, Italy |
| 8:35 AM – 8:40 AM | Q/A Discussion                                                          |                                                 |
| 8:40 AM – 8:55 AM | Clinical Impact of Antibodies and Therapeutic Strategies for AMR across the Age Spectrum - Adult Heart Transplant Patients | Luciana Potena, MD, PhD  
Bologna University  
Bologna, Italy |
| 11:45 AM – 11:50 PM | Q/A Discussion                                                          |                                                 |
| 12:00 PM – 1:00 PM | Lunch on own                                                            |                                                 |

### New Developments in Thoracic Organ Transplantation

*In collaboration with the International Society for Heart and Lung Transplant (ISHLT)*

**Tracks:**

#### Update on Antibody-mediated Rejection in Heart Transplantation

*Moderators: Andreas Zuckerman, MD, Professor, Medical University of Vienna, Vienna, Austria and Lori J. West, MD, DPhil, Professor of Pediatrics, Surgery & Immunology, University of Alberta, Edmonton, AB, Canada*

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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</thead>
</table>
| 8:00 AM – 8:15 AM | How do Antibodies Injure Transplants? Mechanisms of Acute and Chronic Antibody-mediated Injury of Cardiac Grafts | Elaine Reed, PhD  
Professor of Pathology and Laboratory Medicine  
University of California LA  
Los Angeles, CA, USA |
| 9:15 AM – 9:20 AM | Q/A Discussion                                                          |                                                 |
| 9:20 AM – 9:40 AM | Looking Forward: Understanding and Limiting the Long-term Consequences of Cardiac AMR | Jon Kobashigawa, MD  
Director Advanced Heart Disease Section  
Cedars Sinai Heart Institute  
Los Angeles, CA, USA |
| 9:40 AM – 9:45 AM | Q/A Discussion                                                          |                                                 |
| 9:45 AM – 10:15 AM | Coffee Break                                                            |                                                 |
| 8:15 AM – 8:20 AM | Q/A Discussion                                                          |                                                 |
Pre-meeting Symposia:  
Half Day

Sunday, July 27, 2014 • 8:00 am – 12:00 pm

Update on Chronic Lung Allograft Dysfunction

Moderators: John Dark, FRCS, Professor of Cardiothoracic Surgery, Freeman Hospital/University of Newcastle, Newcastle, United Kingdom and Richard Pierson, III, MD, Senior Associate Dean; Professor of Surgery, University of Maryland, Baltimore, MD, USA

10:15 AM – 10:35 AM  “As the Seed is Sown, So Grows the Tree:” Late Sequelae of Early Injury in Pathogenesis of CLAD
Daniel Kreisel, MD, PhD  
Associate Professor of Surgery, Pathology & Immunology  
Washington University in St. Louis  
St. Louis, MO, USA

10:35 AM – 10:40 AM  Q/A Discussion

10:40 AM – 11:00 AM  Adaptive and Innate Immunity in CLAD: Cells, Antibodies and Cytokines
Thalachallour Mohanakumar, PhD  
Professor Surgery, Pathology & Immunology  
Washington University School of Medicine  
St. Louis, MO, USA

11:00 AM – 11:05 AM  Q/A Discussion

11:05 AM – 11:20 AM  Autoimmune Processes Contributing to CLAD
David Wilkes, MD  
Executive Associate Dean for Research Affairs  
Indiana University School of Medicine  
Indianapolis, IN, USA

11:20 AM – 11:25 AM  Q/A Discussion


Optimized Medical Management
Duane Davis, MD  
Professor of Surgery, Director of Transplantation  
Duke University Medical Center  
Durham, NC, USA

Re-Transplantation
Martin Strueber, MD  
Director MCS Program/ Heart & Lung Transplantation  
University Heart Centre Leipzig  
Leipzig, Germany

12:00 PM – 1:00 PM  Lunch on own

Helping Patients Achieve a High Quality of Life  
Post-transplant: Chronic Illness to Chronic Wellness

In collaboration with the International Transplant Nurses Society (ITNS)

Tracks:

Helping Patients Achieve a High Quality of Life Post-Transplant: Chronic Illness to Chronic Wellness

Moderator: Joan Kram, MBA, RN, FACHE, ITNS Executive Director, International Transplant Nurses Society (ITNS), Chicago, IL, USA and Michelle James, MS, RN, CNS, CCTN, Solid Organ Transplant Clinical Nurse Specialist, University of Minnesota Medical Center, Minneapolis, MN, USA

8:00 AM – 8:45 AM  Impact of Medication Non-Adherence on Post-transplant Outcome
Bernice Coleman, PhD, NP  
Nurse Practitioner/Nurse Researcher  
Cedars Sinai Medical Center  
Los Angeles, CA, USA

8:45 AM – 8:50 AM  Q/A Discussion

8:50 AM – 9:35 AM  Evidence-based Interventions to Assist Patients With Self Care/Self Management
Christiane Kugler, PhD  
Witten University  
Witten, Germany

9:35 AM – 9:40 AM  Q/A Discussion
### Pre-meeting Symposia: Half Day

**Sunday, July 27, 2014 • 8:00 am – 12:00 pm**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 9:40 AM – 10:25 AM | Advantages and Disadvantages of Listing Non-adherent Patients for Retransplantation  
  *Cynthia Russell, PhD, RN, FAAN*  
  *Professor*  
  *University of Missouri-Kansas City*  
  *Kansas City, MO, USA*  |
| 10:25 AM – 10:30 AM  | Q/A Discussion |
| 10:30 AM – 11:00 AM  | Coffee Break |
| 11:00 AM – 11:45 AM  | The Impact of Healthcare System Factors on Transplantation  
  *Sabina DeGeest, PhD*  
  *Professor of Nursing*  
  *University of Basel*  
  *Basel, Switzerland*  |
| 11:45 AM – 11:50 PM  | Q/A Discussion |
| 12:00 PM – 1:00 PM   | Lunch on own |
Pre-meeting Symposia: Half Day

Sunday, July 27, 2014 • 1:00 pm – 5:00 pm

Histocompatibility - Testing for the Clinician

In collaboration with the American Society for Histocompatibility & Immunogenetics (ASHI)

Tracks:

1:00 PM – 1:25 PM
Update on HLA Typing and Antibody Testing – How and Why?
Craig Taylor, MD
Consultant Clinical Scientist,
Director of Histocompatibility and Immunogenetics
Cambridge University Hospitals
Cambridge, United Kingdom

1:25 PM – 1:30 PM
Q/A Discussion

1:30 PM – 1:55 PM
What is the Viral Crossmatch and How to Use it to Facilitate Transplantation
Anat Tambur, DMD, PhD
Research Professor
Northwestern University
Chicago, IL, USA

1:55 AM – 2:00 PM
Q/A Discussion

2:00 PM – 2:25 PM
Non-HLA Antibodies and Their Role in Solid Organ Transplantation
Annette Jackson, PhD
Assistant Professor
Johns Hopkins University
Baltimore, MD, USA

2:25 PM – 2:30 PM
Q/A Discussion

2:30 PM – 2:55 PM
Best Practices for Histocompatibility Testing for Kidney Paired Donation
Cathi Murphey, PhD
Director, Histocompatibility and Immunogenetics Laboratory
Southwest Immunodiagnostics, Inc
San Antonio, TX, USA

2:55 PM – 3:00 PM
Q/A Discussion

3:00 PM – 3:30 PM
Coffee Break

3:30 PM – 3:55 PM
Heart and Lung Transplant: Utility of Pre- and Post-transplant Histocompatibility Testing
John Smith, PhD, FRCPath
HCS Consultant
Harefield Hospital
Middlesex, United Kingdom

3:55 PM – 4:00 PM
Small Bowel, Liver Transplant and Combined Liver/Kidney or Liver/Heart Transplant Composite Tissue
Sue McDiarmid, MD
Professor of Pediatrics and Surgery
University of California Los Angeles
Los Angeles, CA, USA

4:00 PM – 4:25 PM
Q/A Discussion

4:25 PM – 4:30 PM
Post-transplant Antibodies – Is it Positive – Now What?
Kathryn Tinckam, MD, MMSc, FRCPC
Co-Director HLA Laboratory, Transplant Nephrologist
University Health Network
Toronto, ON, Canada

4:30 PM – 4:55 PM
Q/A Discussion
Pre-meeting Symposia: Half Day

Sunday, July 27, 2014 • 1:00 pm – 5:00 pm

Liver Transplantation Around the World

In collaboration with the International Liver Transplantation Society (ILTS)

Tracks:

Anesthesia and Intensive Care Advances in Liver Transplantation

Moderators: Claus Niemann, MD, Professor of Anesthesia and Surgery, University of California San Francisco, San Francisco, CA, USA and Randolph Steadman, MD, MS, Professor and Vice Chair, David Geffen School of Medicine at UCLA, Los Angeles, CA, USA

1:00 PM – 1:15 PM A Review of Practice Patterns Around the World
Michael A.E. Ramsay, MD
Chair of Anesthesiology; Director of Liver Transplant Anesthesia
Baylor University Medical Center
Dallas, TX, USA

1:15 PM – 1:20 PM Q/A Discussion

1:20 PM – 1:35 PM Optimizing Costs and Outcomes in a New Program: Big Lessons from a Small Country
Ana Evelyn Karina Rando, MD
Associate Professor, Anesthesiology Chief
University of Uruguay-Military Hospital - Liver Transplant Unit
Montevideo, Uruguay

1:35 PM – 1:40 PM Q/A Discussion

Transition from Pediatric to Adult

Moderators: Anil Dhawan, MD, Kings College Hospital, London, United Kingdom and Sandy Feng, MD, Professor of Surgery, University of California San Francisco, San Francisco, CA, USA

2:00 PM – 2:15 PM Keep Them Safe: From a Child to an Adult
Sue McDiarmid, MD
Professor of Pediatrics and Surgery
University of California Los Angeles
Los Angeles, CA, USA

2:15 PM – 2:20 PM Q/A Discussion

2:20 PM – 2:35 PM Avoid the Gollums: Modern Immunosuppression in Children
William Harmon, MD
Children’s Hospital Boston
Harvard Medical School
Boston, MA, USA

2:35 PM – 2:40 PM Q/A Discussion

2:40 PM – 2:55 PM PTLD, A Complication Brought Under Control
Anil Dhawan, MD
Kings College Hospital
London, United Kingdom

2:55 PM – 3:00 PM Q/A Discussion

3:00 PM – 3:15 PM Minimal Immunosuppression in Liver Transplantation: a Safe(r) Way to Go - The UCL Experience in Adult Patients
Jan Lerut, MD, PhD
Université Catholique Louvain
University Hospital of St. Luc
Brussels, Belgium

3:15 PM – 3:20 PM Q/A Discussion

3:20 PM – 3:50 PM Coffee Break
Pre-meeting Symposia: Half Day

Sunday, July 27, 2014 • 1:00 pm – 5:00 pm

Breakthrough to Achieve Long-term Survival

Moderators: Richard B. Freeman, Jr., MD, William and Bessie Allyn Professor and Chair, Geisel School of Medicine, Hanver, NH, USA and Patrizia Burra, MD, PhD, Multivisceral Transplant Unit Padova University Hospital, Padova, Italy

3:50 PM – 4:05 PM The Revolution of LDLT Over the Past Two Decades
Chung-Mau Lo, MD
Chair Professor
University of Hong Kong
Hong Kong, China

4:05 PM – 4:10 PM Q/A Discussion

4:10 PM – 4:25 PM The Treatment of HCV Recurrence After Liver Transplant
Michael C. Charlton, MD
Professor of Medicine, Director of Hepatology and Liver Transplantation
Intermountain Medical Center
Murray, UT, USA

4:25 PM – 4:30 PM Q/A Discussion

4:30 PM – 4:45 PM DSA and HCV
Audrey Coilly, MD
Hospital Paul Brousse
Villajuif, France

4:45 PM – 4:50 PM Q/A Discussion

The Future of Transplant Immunosuppression R&D: Problems and Solutions from Clinical, Biopharmaceutical and Regulatory Perspectives

This session is not approved for continuing medical education credits.

Tracks:

Introduction
1:00 PM – 1:05 PM
Stuart Knechtle, MD
Professor of Surgery and Pediatrics
Emory University School of Medicine
Atlanta, GA, USA

The Current Status of R&D

Moderators: Stuart Knechtle, MD, Professor of Surgery and Pediatrics, Emory University School of Medicine, Atlanta, GA, USA and Francis Delmonico, MD, Professor of Surgery, Harvard Medical School, Massachusetts General Hospital, Boston, MA, USA

1:05 PM – 1:20 PM Past and Present Status of Renal Transplantation: Unmet Clinical Needs from Registries and Regulatory History of Approved Immunosuppressants
Steven Chadban, B.Med, PhD, FRACP
Professor
RPAH and University of Sydney
Clontarf, Australia

1:25 PM – 1:30 PM Q/A Discussion

1:30 PM – 1:45 PM FDA Regulatory Review: What Has Been Required for Transplant Immunosuppressant Approvals for Renal Transplantation?
Marc Cavaille-Coll, MD, PhD
Medical Officer
Food and Drug Administration
Silver Springs, MD, USA

1:45 PM – 1:50 PM Q/A Discussion
Pre-meeting Symposia: Half Day

Sunday, July 27, 2014 • 1:00 pm – 5:00 pm

What Have We Learned From Immunosuppressants That Failed to be Submitted for Regulatory Review?

Moderators: Federico Oppenheimer, MD, PhD, Transplant Nephrologist, Hospital Clinic de Barcelona, Barcelona, Spain and Flavio Vincenti, MD, Professor of Clinical Medicine, University of California San Francisco, San Francisco, CA, USA

1:50 PM – 2:05 PM
Examination of Causes of Low R&D Productivity in Biopharma
Joseph A. DiMasi, PhD
Director of Economic Analysis
Tufts Center for the Study of Drug Development
Boston, MA, USA

2:05 PM – 2:10 PM
Q/A Discussion

2:10 PM – 2:25 PM
Investigator’s Perspectives on Decision Not to Continue Development of Sotrastaurin for Renal Transplantation – Joint Presentation
Randall Morris, MD, FRCP
Research Professor Emeritus of Cardiothoracic Surgery
Stanford University School of Medicine
Carmel-by-the-Sea, CA, USA

Graeme Russ, MBBS, PhD
Co-Director, Nephrology and Transplantation
Royal Adelaide Hospital
Adelaide Australia

2:25 PM – 2:30 PM
Q/A Discussion

2:30 PM – 2:45 PM
Sponsor’s and Principal Investigator’s Perspectives on Decision Not to Continue Development of Tofacitinib for Renal Transplantation – Joint Presentation
Gary Chan, PharmD, MS
Senior Director
Pfizer
West Warwick, RI, USA

2:45 PM – 2:50 PM
Q/A Discussion

2:50 PM – 3:20 PM
Coffee Break

Considerations for Future Trials

Moderators: Dirk Kuypers, MD, Prof Dr, KU Leuven, Leuven, Belgium and Elizabeth Pomfret, MD, PhD, FACS, Professor of Surgery, Tufts University, Chair, Dept. of Transplantation & HPB, Lahey Clinic Medical Center, Burlington, MA, USA

3:20 PM – 3:35 PM
Current FDA Trial Guidelines for Primary Endpoints: What Are the Impacts from the FDA Safety and Innovation Act?
Renata Albrecht, MD
Supervisory Medical Officer
Food and Drug Administration
Silver Springs, MD, USA

3:35 PM – 3:40 PM
Q/A Discussion

3:40 PM – 3:55 PM
What are the Major Barriers and Possible Solutions for Trial Approvals: Perspectives from the Biopharma Industry
William Fitzsimmons, PharmD
Divisional Executive Vice President
Astellas Pharma
Northbrook, IL, USA

3:55 PM – 4:00 PM
Q/A Discussion

4:00 PM – 4:10 PM
What are Potential Surrogate Efficacy Endpoints for Predicting Long-term Renal Graft Function and Survival?
Mark Stegall, MD
Professor of Surgery and Immunology
Mayo Clinic
Rochester, MN, USA
Pre-meeting Symposia: 
Half Day

Sunday, July 27, 2014 • 1:00 pm – 5:00 pm

4:10 PM – 4:20 PM
What are Potential Surrogate Safety Endpoints for the Next Generation of Trials?
Bengt Fellstrom, MD, PhD
Professor of Nephrology
University Hospital
Uppsala, Sweden

4:20 – 4:30 PM
Surrogate Efficacy and Safety Endpoints - FDA Response
Renata Albrecht, MD
Supervisory Medical Officer
Food and Drug Administration
Silver Springs, MD, USA

Way Forward:
Audience and Roundtable Discussion

Moderators: Philip O’Connell, MD, Renal Unit, Westmead Hospital, Westmead, Australia and Barbara Murphy, MD, Professor of Medicine, Mt. Sinai School of Medicine, New York, NY, USA

4:30 PM – 4:55 PM
Roundtable Discussion – Q/A Discussion

Renata Albrecht, MD
Supervisory Medical Officer
U.S. Food and Drug Administration
Washington, DC, USA

Sir Roy Calne
Professor
Strangeways Res Laboratory
Cambridge, United Kingdom

Mark Cavaille-Coll, MD, PhD
Medical Officer
U.S. Food and Drug Administration
Washington, DC, USA

Steven Chadban, B.Med, PhD, FRACP
Professor
RPAH and University of Sydney
Clontarf, Australia

Bengt Fellstrom, MD, PhD
Professor of Nephrology
University Hospital
Uppsala, Sweden

William Fitzsimmons, PharmD
Divisional Executive Vice President
Astellas Pharma
Northbrook, IL, USA

Dirk Kuypers, MD,
Professor
KU Leuven
Leuven, Belgium

Randall Morris, MD, FRCP
Research Professor Emeritus of Cardiothoracic Surgery
Stanford University School of Medicine
Carmel-by-the-Sea, CA, USA

Mark Stegall, MD
Professor of Surgery and Immunology
Mayo Clinic
Rochester, MN, USA

Interpreting Clinical Data:
Biostatistics 101

Tracks:

Moderators: Robert M. Merion, MD, Professor of Surgery, University of Michigan / President, Arbor Research Collaborative for Health, Ann Arbor, MI, USA and David Collett, PhD, Professor, NHS Blood and Transplant, Bristol, United Kingdom

1:00 PM – 1:15 PM
Welcome, Introductions and Overview
Robert M. Merion, MD
Professor of Surgery,
University of Michigan
President, Arbor Research Collaborative for Health
Ann Arbor, MI, USA
Pre-meeting Symposia: Half Day

Sunday, July 27, 2014 • 1:00 pm – 5:00 pm

1:15 PM – 1:40 PM  Study Design: Acquiring and Merging Data Sources  
Jesse D. Schold, PhD  
Associate Staff  
Cleveland Clinic  
Cleveland, OH, USA

1:40 PM – 1:45 PM  Q/A Discussion

1:45 PM – 2:10 PM  Descriptive Analyses: Diamonds in the Rough  
Stephen P. McDonald, MBBS, PhD  
Clinical Associate Professor  
Royal Adelaide Hospital/University of Adelaide  
Adelaide, Australia

2:10 PM – 2:15 PM  Panel Q/A Discussion

2:15 PM – 2:40 PM  Missing Data and Messy Data  
Dorry Segev, MD, PhD  
Associate Professor of Surgery, Epidemiology, and Biostatistics  
Johns Hopkins University  
Baltimore, MD, USA

2:40 PM – 2:45 PM  Q/A Discussion

2:45 PM – 3:10 PM  Introduction to Modelling  
David Collett, PhD  
Professor  
NHS Blood and Transplant  
Bristol, United Kingdom

3:10 PM – 3:15 PM  Q/A Discussion

3:15 PM – 3:45 PM  COFFEE BREAK

3:45 PM – 4:10 PM  Survival Analysis: Kaplan-Meier to Cox and Beyond  
Douglas E. Schaubel, PhD  
Professor of Biostatistics  
University of Michigan School of Public Health  
Ann Arbor, MI, USA

4:10 PM – 4:15 PM  Q/A Discussion

4:15 PM – 4:40 PM  What Can You Know About What You Don’t Know?  
Brenda W. Gillespie, PhD  
Research Associate Professor of Biostatistics  
University of Michigan  
Ann Arbor, MI, USA

4:40 PM – 4:45 PM  Q/A Discussion

4:45 PM – 5:10 PM  Beyond Observed vs. Expected Outcomes: CUSUM  
Jon J. Snyder, PhD, MS  
Director of Transplant Epidemiology  
Minneapolis Medical Research Foundation  
Minneapolis, MN, USA

5:10 PM – 5:15 PM  Q/A Discussion

5:15 PM – 5:45 PM  COFFEE BREAK

5:45 PM – 6:10 PM  Survival Analysis: Kaplan-Meier to Cox and Beyond  
Douglas E. Schaubel, PhD  
Professor of Biostatistics  
University of Michigan School of Public Health  
Ann Arbor, MI, USA

6:10 PM – 6:15 PM  Q/A Discussion

6:15 PM – 6:45 PM  Wrap-up and Summary  
Robert M. Merion, MD  
Professor of Surgery, University of Michigan  
President, Arbor Research Collaborative for Health  
Ann Arbor, MI, USA

6:45 PM – 7:10 PM  Opening Ceremonies  
5:30 PM – 6:30 PM

Opening Reception with Exhibits and Poster Session I  
6:30 PM – 8:00 PM
Monday, July 28, 2014

Sunrise Symposia
7:00 AM – 8:15 AM

New Concepts in Recurrent Glomerular Disease

Tracks:

Moderators: Mark Stegall, MD, Professor of Surgery and Immunology, Mayo Clinic, Rochester, MN, USA and Dianne McKay, MD, Professor, University of California San Diego, La Jolla, CA, USA

7:00 AM – 7:20 AM  Hemolytic Uremic Syndrome – Prevention and Treatment
Christophe Legendre, MD
Université Paris Descartes
Hopital Necker
Paris, France

7:25 AM – 7:45 AM  Recurrent Focal Glomerulosclerosis – Who is at Risk and How to Treat It?
Anna Greka, MD, PhD
Assistant Professor of Medicine
Massachusetts General Hospital
Charlestown, MA, USA

7:45 AM – 8:10 AM  Immunosuppression and Recurrent Disease
Steven Chadban, B. Med., PhD, FRACP
Professor
Royal Prince Alfred Hospital
and University of Sydney
Clontarf, Australia

The Microbiome and the Human Immune System

Tracks:

Moderators: Jay Alan Fishman, MD, Professor of Medicine, Massachusetts General Hospital/Harvard Medical School, Boston, MA, USA and Thomas Pearson, MD, D. Phil., Livingston Professor of Surgery, Emory University, Atlanta, GA, USA

7:00 AM – 7:15 AM  Reciprocal Interactions of the Intestinal Microbiota and Immune System
Jose Clemente
Mount Sinai School of Medicine
New York, NY, USA

7:15 AM – 7:20 AM  Q/A Discussion

7:20 AM – 7:35 AM  Fecal Transplantation – Reshaping the Microbiome?
Alex Khoruts, MD
Associate Professor of Medicine
University of Minnesota
Minneapolis, MN, USA

7:35 AM – 7:40 AM  Q/A Discussion

7:40 AM – 7:55 AM  Intestinal-Resident Innate Lymphoid Cells (ILCs) in the Regulation of Immunity and Inflammation
Gregory F. Sonnenberg, PhD
Research Associate of Medicine
University of Pennsylvania, Perelman School of Medicine
Philadelphia, PA, USA

7:55 AM – 8:00 AM  Q/A Discussion

8:00 AM – 8:15 AM  Small Bowel Transplantation and the Microbiome
David Mercer, MD, PhD, FRCS
Associate Professor Division of Transplant Surgery
University of Nebraska Medical Center
Omaha, NE, USA

8:15 AM – 8:20 AM  Q/A Discussion
Program

Monday, July 28, 2014

Optimization Options for Lung Donor Organs

Tracks:

Moderators: Shaf Keshavjee, MD, Professor of Thoracic Surgery, University of Toronto, Toronto, Ontario, Canada and Allan Glanville, MD, MBBS, FRACP, Director of Thoracic Medicine and Medical Director Lung Transplantation, St. Vincent’s Hospital, Darlinghurst, NSW, Australia

7:00 AM – 7:20 AM In the Donor
Lorraine B. Ware, MD
Associate Professor of Medicine
Vanderbilt University
Nashville, TN, USA

7:20 AM – 7:25 AM Q/A Discussion

7:25 AM – 7:45 AM In Transit or Before Implant
Marcelo Cypel, MD, MSc
Assistant Professor of Surgery
University of Toronto
Toronto, ON, Canada

7:45 AM – 7:50 AM Q/A Discussion

7:50 AM – 8:10 AM In the Recipient
Sangeeta Bhorade, MD
Associate Professor of Medicine
University of Chicago Hospitals
Chicago, IL, USA

8:10 AM – 8:15 AM Q/A Discussion

The Aging Heart Transplant Recipient

Tracks:

Moderators: Jeff Teuteberg, MD, Director, Advanced Heart Failure, University of Pittsburgh, Pittsburgh, PA, USA and Michael Pham, MD, MPH, Clinical Associate Professor of Medicine, Stanford University Medical Center, Palo Alto, CA, USA

7:00 AM – 7:20 AM The Impact of Aging on Eligibility for Heart Transplant
Howard Eisen, MD
Chief, Division of Cardiology
Drexel University College of Medicine
Philadelphia, PA, USA

7:20 AM – 7:25 AM Q/A Discussion

7:25 AM – 7:45 AM The Loss of Endogenous Cardioprotection with Aging: Implications for Donor Heart Preservation
Petra Kleinbongard, PD, MD
University of Essen Medical School
Essen, Germany

7:45 AM – 7:50 AM Q/A Discussion

7:50 AM – 8:10 AM Management of the Older Heart Transplant Recipient
Christopher Hayward, MD
Heart Failure and Transplant Unit
St. Vincent’s Hospital
Sydney, Australia

8:10 AM – 8:15 AM Q/A Discussion

Pharmacogenomics and Personalized Medicine: How to Approach in Transplantation

Tracks:

Moderators: Pam Jacobson, PharmD, Professor, University of Minnesota College of Pharmacy, Minneapolis, MN, USA and Teun Van Gelder, MD, Professor in Clinical Pharmacology, Erasmus Medical Center, Rotterdam, The Netherlands

7:00 AM – 7:20 AM Lessons from Pharmacogenomics in Cancer Treatment
Ajay Israni, MD, MS
Associate Professor of Medicine
Hennepin County Medical Center
Minneapolis, MN, USA

7:20 AM – 7:25 AM Q/A Discussion
# Program

## Monday, July 28, 2014

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<th>Session</th>
<th>Speaker</th>
<th>Institution/Location</th>
</tr>
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<tbody>
<tr>
<td>7:25 AM – 7:45 AM</td>
<td>Personalized Medicine in SOT: an Integrative Approach</td>
<td>Dirk R.J. Kuypers, MD, PhD</td>
<td>KU Leuven, Leuven, Belgium</td>
</tr>
<tr>
<td>7:45 AM – 7:50 AM</td>
<td>Q/A Discussion</td>
<td></td>
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<tr>
<td>7:50 AM – 8:10 AM</td>
<td>How Systems Biology Will Alter Transplantation Practice</td>
<td>Atul J. Butte, MD</td>
<td>Stanford University School of Medicine, San Francisco, CA, USA</td>
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<td>8:10 AM – 8:15 AM</td>
<td>Q/A Discussion</td>
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<td>7:00 AM – 7:15 AM</td>
<td>Robotic Donor Nephrectomy and Kidney Transplantation</td>
<td>Ugo Boggi, MD</td>
<td>University of Pisa, Pisa, Italy</td>
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<td>7:20 AM – 7:35 AM</td>
<td>Single Port Nephrectomy</td>
<td>Mihir Desai, MD</td>
<td>USC Institute of Urology, Keck School of Medicine, Los Angeles, CA, USA</td>
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<td>7:35 AM – 7:40 AM</td>
<td>Q/A Discussion</td>
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**Minimally Invasive Transplant Surgery and Other Advances**

**Tracks:**

*Moderators: Kristen Mekeel, MD, Associate Professor of Surgery and Surgical Director of Kidney and Pancreas Transplantation, University of California San Diego, San Diego, CA, USA and Luis Podesta, MD, Director Department of Surgery and Visceral Transplantation, Hospital Universitario Austral, Buenos Aires, Argentina*

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<td>7:00 AM – 7:20 AM</td>
<td>Left Lobe Donation Donor Outcomes – American Experience</td>
<td>Jean Emond, MD</td>
<td>Columbia University Medical Center Surgery, New York, NY, USA</td>
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<td>Left Lobe Donation Recipient Outcomes – Japanese Experience</td>
<td>Hideaki Uchiyama, PhD</td>
<td>Kyushu University, Fukuoka, Japan</td>
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<td>Q/A Discussion</td>
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**Hot Issues in Living Liver Donation**

**Tracks:**

*Moderators: Nancy Ascher, MD, PhD, University of California San Francisco, San Francisco, CA, USA and Bjorn Nashan, MD, PhD, FACS, FRCS, Professor of Surgery, Chair & Chief, University of Hamburg, Hamburg, Germany*

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Program

Monday, July 28, 2014

7:50 AM – 8:10 AM  Left Lobe Donation Recipient Outcome – The Taiwanese Experience
Chao-Long Chen, MD
Kaohsiung Chang Gung Memorial Hospital
Chang Gung Memorial Hospital
Kaohsiung, Taiwan

8:10 AM – 8:15 AM  Q/A Discussion

Controversies in Visceral Transplantation

Tracks:

Moderators: Debra Sudan, MD, Professor of Surgery, Duke University Medical Center, Durham, NC, USA and Darius Mirza, MD, Consultant, Hepatobiliary and Transplant Surgeon, Queen Elizabeth Hospital/ Birmingham Children’s Hospital, Edubaston, United Kingdom

7:00 AM – 7:15 AM  Failure of Nutritional Autonomy: Medical vs. Surgical Therapy
Florence Lacaille, MD
University of Paris – Necker Hospital
Paris, France

7:15 AM – 7:20 AM  Q/A Discussion

7:20 AM – 7:25 AM  Cause of Intestinal Failure and Type of Visceral Allograft
Darius Mirza, MS, FRCS
Consultant Hepatobiliary and Transplant Surgeon
Queen Elizabeth Hospital and Birmingham Children’s Hospital
Birmingham, United Kingdom

7:25 AM – 7:40 AM  Q/A Discussion

7:40 AM – 7:45 AM  Alloantibodies and Type of Visceral Graft
Andreas Pascher, MD, PhD, MBA, FEBS
Professor of Surgery, Director Transplant Program
Charite - University Medicine Berlin
Berlin, Germany

7:45 AM – 8:00 AM  Q/A Discussion

7:50 AM – 8:10 AM  How to Measure Desensitization Therapy
Stanley Jordan, MD
Professor of Pediatrics and Medicine
Cedars Sinai Medical Center
Los Angeles, CA, USA

8:10 AM – 8:20 AM  Q/A Discussion

Pre-Transplant Sensitization

Tracks:

Moderators: Patrick Toby Coates, MD, PhD, University of Adelaide, Royal Adelaide Hospital, Adelaide, Australia and Elaine Reed, PhD, Professor of Pathology and Laboratory Medicine, University of California Los Angeles, Los Angeles, CA, USA

7:00 AM – 7:20 AM  Virtual Crossmatching Strategies
Frans Claas, PhD
Professor
Leiden University Medical Center
Leiden, The Netherlands

7:20 AM – 7:25 AM  Q/A Discussion

7:25 AM – 7:45 AM  Assessing the Risk of HLA Antibodies for Transplant Candidate Management
Mary Leffell, PhD
Professor of Medicine
Johns Hopkins University School of Medicine
Baltimore, MD, USA

7:45 AM – 8:00 AM  Q/A Discussion

7:50 AM – 8:10 AM  Minimization of Immunosuppression and Type of Visceral Allograft
Kareem Abu-Elmagd, MD, PhD
Director of Transplant Center
Cleveland Clinic
Cleveland, OH, USA

8:10 AM – 8:20 AM  Q/A Discussion
## Addressing Limited Organ Donation Concerns in the Developing World

**Tracks:**

**Moderators:** Vasant Sumethkul, MD, Professor, Ramathibodi Hospital, Bangkok, Thailand and S. Abidul Hasan Rizvi, MBBS, FRCS, Professor and Director, Sindh Institute of Urology and Transplantation (SIUT), Karachi, Pakistan

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<tr>
<td>7:00 AM – 7:20 AM</td>
<td>Cost-Effectiveness and Quality: Cost of Treatment and Transplant Outcomes for Recipients in the Developing World</td>
<td>Rudolf Garcia-Gallont, MD, FEBS Hospital General San Juan de Dios Guatemala City, Guatemala</td>
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<td>7:20 AM – 7:25 AM</td>
<td>Q/A Discussion</td>
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<td>7:25 AM – 7:45 AM</td>
<td>Improving Organ Donation in the UK: A Way Forward Involving Minority Groups</td>
<td>Gurch Randhawa, Professor of Diversity in Public Health &amp; Director UK Organ Donation and Transplantation Centre, University of Bedfordshire Luton, United Kingdom</td>
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<td>7:45 AM – 7:50 AM</td>
<td>Q/A Discussion</td>
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<td>7:50 AM – 8:10 AM</td>
<td>The Implications of Commercialism in Pakistan and Starting a Deceased Donor Program in an Emerging Economy</td>
<td>S.A. Anwar Naqvi, MBBS, MCPS, MS Professor of Urology Sindh Institute of Urology and Transplantation Karachi, Pakistan</td>
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<td>8:10 AM – 8:15 AM</td>
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## Planning, Implementing and Documenting Multidisciplinary Care: How We Do It

**Tracks:**

**Moderators:** Ashley Seawright, DNP, ACNP-BC, Instructor Department of Surgery, Transplant and HPB NP, University of Mississippi Medical Center, Jackson, MS, USA and Kathryn Kable, MNd, Westmead Hospital, Westmead, Australia

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<tr>
<td>7:00 AM – 7:20 AM</td>
<td>Maintaining Quality Outcomes Through Post-Transplant Care by Advanced Practice Providers</td>
<td>Michael Petty, PhD, RN, CCNS, ACNS-BC Cardiotoracic Clinical Nurse Specialist University of Minnesota Medical Center, Fairview Richfield, MN, USA</td>
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<td>7:20 AM – 7:25 AM</td>
<td>Q/A Discussion</td>
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<td>7:25 AM – 7:45 AM</td>
<td>Working With Challenging Patients and Families Within the Multidisciplinary Team</td>
<td>Kay Kendall, MSW Cleveland Clinic Cleveland, OH, USA</td>
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<td>7:45 AM – 7:50 AM</td>
<td>Q/A Discussion</td>
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<td>7:50 AM – 8:10 AM</td>
<td>Medication Safety and Efficacy Following Transplantation</td>
<td>Peter Barclay Director of Pharmacy Children’s Hospital at Westmead Westmead Australia</td>
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<td>8:10 AM – 8:15 AM</td>
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PLENARY ABSTRACT SESSION
8:30 AM – 9:30 AM

STATE-OF-THE-ART-ADDRESS
9:30 AM – 10:00 AM
Eric Schadt, MD, PhD
Chairman and Professor,
Department of Genetics and Genomic Sciences
Mount Sinai Medical
New York, NY, USA

ASTS Presidential Address and Awards
10:00 AM – 11:00 AM
Alan N. Langnas, DO
ASTS President
University of Nebraska Medical Center
Omaha, NE, USA

COFFEE BREAK
11:00 AM – 11:15 AM

CONCURRENT ABSTRACT SESSIONS
11:15 AM – 12:45 AM
1. Renal Outcomes Using Donation After Cardiac Death Donors
2. Liver: Living Donors and Partial Grafts
3. Antigen Presentation and Allorecognition
4. Diagnostic Techniques and their Impact in Outcomes of AMR in Kidney
5. Immununosuppression Related Complications – Kidney
6. Clinical and Experimental Islet Transplantation
7. Liver: MELD, Allocation and Donor Issues (DCD/ECD)
8. Biomarkers, Immune Monitoring and Outcomes
9. Post-transplant Malignancy
10. Acute Rejection
11. Mechanical Circulatory Assist Devices in Heart Transplantation
12. Late Breaking
13. Recipient Well-being and Functional Status I
14. Re-admission after Kidney Transplantation

STATE-OF-THE-ART SYMPOSIA
2:15 PM – 3:45 PM

Improving Long-term Outcomes

Tracks:

Dealing With Threats to Patient Survival
Bertram Kasiske, MD
Professor of Medicine
University of Minnesota – Hennepin County Medical Minneapolis, MN, USA

Q/A Discussion

Dealing With Threats to Allograft Survival
Brian Nankivell, MD
Renal Medicine
Westmead Hospital
Westmead, Australia

Q/A Discussion

Immune Monitoring: A Rational Approach to Immunosuppression Management
Peter Heeger, MD
Professor of Medicine and Immunology
Icahn School of Medicine at Mt. Sinai
New York, NY, USA

Q/A Discussion
### Basic Immunology in Humans

**Tracks:**

*Moderators: Emmanuel Zorn, PhD, Harvard Medical School Transplant Center, Massachusetts General Hospital, Boston, MA, USA and Giovanna Lombardi, Professor of Human Transplant Immunology, Kings College London, London, United Kingdom*

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<th>Time</th>
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<tr>
<td>2:15 PM – 2:40 PM</td>
<td>Human Foxp3+ Cells in Transplantation and Autoimmunity</td>
<td>Steven Ziegler</td>
<td>Benaroya Research Institute, Seattle, WA, USA</td>
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<td>2:45 PM – 3:10 PM</td>
<td>Human NK Cell Responses to Infection</td>
<td>Lewis Lanier</td>
<td>University of California San Francisco, San Francisco, CA, USA</td>
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<td>3:15 PM – 3:40 PM</td>
<td>Studying Immunology in Humans</td>
<td>Mark Davis, PhD</td>
<td>Stanford University, Stanford, CA, USA</td>
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### The Costs of Transplantation

**Tracks:**

*Moderators: Gabriel Danovitch, MD, David Geffen School of Medicine at University of California Los Angeles, Los Angeles, CA, USA and Willem Weimar, MD, PhD, Professor, Erasmus Medical Center Rotterdam, Rotterdam, The Netherlands*

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<tr>
<td>2:15 PM – 2:30 PM</td>
<td>Donor Families: Impact of the Donation Request and Donation</td>
<td>Maggie Sque, PhD, BSc, Dip.N.Ed, RN1, LPE, FHEA</td>
<td>University of Wolverhampton and The Royal Wolverhampton NHS Trust, Wolverhampton, United Kingdom</td>
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<td>Affording a Transplant in America – Financial Implications of Kidney Transplantation and Their Effect on Listing for Transplant</td>
<td>Mark Schnitzer, PhD</td>
<td>St. Louis University School of Medicine, St. Louis, MO, USA</td>
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<td>2:55 PM – 3:10 PM</td>
<td>Enhancing Organ Donation by Prioritizing Registered Donors During Organ Allocation and Removal of Financial Disincentives for Living Donation</td>
<td>Jacob Lavee, MD</td>
<td>Laviev Heart Center, Sheba Medical Center, Tel Aviv University, Tel Aviv, Israel</td>
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<td>3:10 PM – 3:15 PM</td>
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<td>3:15 PM – 3:30 PM</td>
<td>Here Come the Generics: Saving Money, But at What Cost?</td>
<td>Jennifer Harrison, BScPharm, MSc Pharmacy Clinical Site Leader/Assistant Professor.</td>
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<td>Toronto General Hospital, University Health Network.</td>
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<td>Toronto, ON, Canada</td>
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<td>Panel Q/A Discussion</td>
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**Approach to Sensitized Patients Awaiting Heart Transplantation**

**Tracks:**

*Moderators: Steven Webber, MBChB, MRCPEd, Professor and Chair Department of Pediatrics, Vanderbilt University, Nashville, TN, USA and Nancy Reinsmoen, PhD, Professor and Director of HLA Laboratory, Cedars Sinai Medical Center, Los Angeles, CA, USA*

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<td>2:15 PM – 2:40 PM</td>
<td>What are the Risks of the Sensitized Adult Patient Awaiting Heart or Lung Transplant?</td>
<td>Barbara Pisani, DO. Rush University Medical Center.</td>
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<td>2:45 PM – 3:10 PM</td>
<td>The Virtual Crossmatch: What is it and How Do We Define an Unacceptable Antigen?</td>
<td>Adrianna Zeevi, PhD. University of Pittsburgh.</td>
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<td>Associate Professor of Clinical Medicine, David Geffen School of Medicine at UCLA.</td>
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**MicroRNAs, Controlling Expression to the Clinic**

**Tracks:**

*Moderators: Bernd Schroppel, MD, University of Ulm, Ulm, Germany and James Markmann, MD, PhD, Chief Division of Transplantation, Massachusetts General Hospital, Boston, MA, USA*

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<td>MicroRNAs Regulating Alloimmune Responses and Allograft Rejection</td>
<td>Sheri Krams, PhD. Stanford University.</td>
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<td>2:45 PM – 3:10 PM</td>
<td>miRNA Profiling Discriminates Types of Rejection and Injury in Human Renal Allografts</td>
<td>Rainer Oberbauer. Medical University Vienna &amp; KH Elisabethinen Linz, Austria.</td>
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<td>3:15 PM – 3:40 PM</td>
<td>The MicroRNA Transcriptome of Human Allograft</td>
<td>Thangamani Muthukumar, MD Assistant Professor of Medicine Weill Medical College of Cornell University New York, NY, USA</td>
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<td>3:40 PM – 3:45 PM</td>
<td>Q/A Discussion</td>
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Liver Donors: Short- and Long-term Donor Risks

Tracks:

**Moderators:** Michael Zimmerman, MD, Associate Professor, University of Colorado Denver, Aurora, CO and Stephen Lynch, MBBS, FRACS, Professor, Princess Alexandria Hospital, Brisbane, Australia

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<tr>
<td>2:15 PM – 2:30 PM</td>
<td>Donor Psychosocial Outcomes</td>
<td>Mary Amanda Dew, PhD, Professor of Psychiatry, Psychology, Epidemiology and Biostatistics, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA</td>
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<td>2:55 PM – 3:10 PM</td>
<td>Short-term Risks</td>
<td>Subash Gupta, MS, AIIMS, FRCS, Doctor, ANG Centre for Liver and Biliary Sciences, New Dehli, India</td>
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<td>Long-term Risks</td>
<td>Kyung-Suk Suh, MD, Professor and Chairman, Director of HBP Surgery &amp; Liver Transplantation, Seoul National University College of Medicine, Seoul, Republic of Korea</td>
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Creating New Outcomes in Pancreas/Islet Transplantation

Tracks:

**Moderators:** Stephen Bartlett, MD, The Peter Angelos Distinguished Professor, Chairman, Department of Surgery, University of Maryland School of Medicine, Baltimore, MD, USA and Thierry Berney, Professor of Surgery, Department of Surgery, Geneva University Hospital, Geneva, Switzerland

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<td>Which Graft? Donor Graft Quality Assessment</td>
<td>Peter Friend, MD, Professor of Transplantation, University of Oxford, Oxford, United Kingdom</td>
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<td>Q/A Discussion</td>
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<td>2:55 PM – 3:10 PM</td>
<td>Why We Need a Better Definition of Pancreas Graft Failure</td>
<td>Jon Odorico, MD, Professor of Surgery, University of Wisconsin School of Medicine and Public Health, Madison, WI, USA</td>
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<td>Q/A Discussion</td>
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<td>3:30 PM – 3:45 PM</td>
<td>Cross-Fertilization in Human Islet Auto and Allo-Transplantation</td>
<td>Lorenzo Piemonti, MD, Diabetes Research Institute, San Raffaele Scientific Institute, Milan, Italy</td>
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<td>Clinical Lessons From the CITR</td>
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Keeping Our Waitlisted Patients Alive – Out of the Gate, Hangin’ On, Down the Stretch

Tracks:

Moderators: Larry Melton, MD, PhD, Medical Director of Kidney/Pancreas Transplantation, Dallas Nephrology Associates, Baylor Medical Center, Dallas, TX, USA and Susan L. Orloff, MD, Oregon Health Science University, Portland, OR, USA

2:15 PM – 2:40 PM Management of Infectious Complications in Wait-listed Cirrhotics
Deborah Marriott, FRACP FRCPA
Professor
St. Vincent’s Hospital
Sydney, Australia

2:40 PM – 2:45 PM Q/A Discussion

2:45 PM – 3:10 PM Management of the Wait-listed ICU Patient
Ram Subramanian, MD
Assistant Professor of Medicine and Surgery
Emory University
Decatur, GA, USA

3:10 PM – 3:15 PM Q/A Discussion

3:15 PM – 3:40 PM Management of the Wait-list
Russell Wiesner, MD
Professor of Medicine
Mayo Clinic
Rochester, MN, USA

3:40 PM – 3:45 PM Q/A Discussion

Avoiding Antibody Barriers: Kidney Exchange

Tracks:

Moderators: Edward Cole, MD, University of Toronto, University Health Network, Toronto, ON, Canada and Michael Rees, MD, PhD, Professor and Vice Chair of Urology, University of Toledo Medical Center, Toledo, OH, USA

2:15 PM – 2:40 PM Current Challenges and How We Are Overcoming Them
Marry DeKlerk, PhD
Erasmus MC Rotterdam / Dutch Transplant Foundation
Rotterdam, The Netherlands

2:40 PM – 2:45 PM Q/A Discussion

2:45 AM – 3:10 PM Unique Psychosocial Issues in KPD
Rebecca Hays, MSW
Living Donor Social Worker and Independent Living Donor Advocate
University of Wisconsin Hospital and Clinics
Madison, WI, USA

3:10 PM – 3:15 PM Q/A Discussion

3:15 PM – 3:40 PM A Combined Donor/Coordinator Perspective
Janet Hiller, RN, MSN
Transplant Coordinator
Johns Hopkins University Hospital
Parkton, MD, USA

3:40 PM – 3:45 PM Q/A Discussion

Diagnosing Tolerance

Tracks:

Moderators: Minnie Sarwal, MD, PhD, MRCP, Prof., Transplant Nephrology & Pediatrics, Director, Sarwal Lab – BIOMARC Inst., California Pacific Medical Center Research Institute, Portola Valley, CA, USA and Moderator TBD

2:15 PM – 2:40 PM Regulatory B cells in Tolerance: Are They Important and How Can We Identify Them?
David Rothstein, MD
Professor of Surgery, Medicine and Immunology
Thomas E. Starzl Transplant Institute – University of Pittsburgh
Pittsburgh, PA, USA

2:40 PM – 2:45 PM Q/A Discussion
### Program

#### Monday, July 28, 2014

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Institution</th>
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</thead>
<tbody>
<tr>
<td>2:45 AM – 3:10 PM</td>
<td>Non-invasive Biomarkers for Tolerance: Weaning the Right Patient</td>
<td>Robert Lechler, KBE, PhD, Professor, King's College, Guys Hospital, London, UK</td>
</tr>
<tr>
<td>3:10 PM – 3:15 PM</td>
<td>Q/A Discussion</td>
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<tr>
<td>3:15 PM – 3:40 PM</td>
<td>Clinical Tolerance: Current Status</td>
<td>Tatsuo Kawai, MD, PhD, A. Benedict Cosimi, Professor, Massachusetts General Hospital, Boston, MA, USA</td>
</tr>
<tr>
<td>3:40 PM – 3:45 PM</td>
<td>Q/A Discussion</td>
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<tr>
<td>2:15 PM – 2:40 PM</td>
<td>Evaluating the Pediatric Potential Transplant Recipient with Disabilities</td>
<td>Stephen Alexander, MD, Professor, Children's Hospital at Westmead, Australia</td>
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<tr>
<td>2:40 PM – 2:45 PM</td>
<td>Q/A Discussion</td>
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<tr>
<td>2:45 AM – 3:10 PM</td>
<td>Pre-Transplant Donor and Recipient Screening</td>
<td>Peter Chin-Hong, MD, Professor of Medicine, University of California San Francisco, San Francisco, CA, USA</td>
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<tr>
<td>3:10 PM – 3:15 PM</td>
<td>Q/A Discussion</td>
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<tr>
<td>3:15 PM – 3:40 PM</td>
<td>Crossing Borders: Infections, Organ Transplantation, Travelers</td>
<td>Ban Hock Tan, Singapore General Hospital, Singapore, China</td>
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<tr>
<td>3:40 PM – 3:45 PM</td>
<td>Q/A Discussion</td>
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</table>

### Approaching Transplant in Medically Complex Children: Ethics and Practice

**Tracks:**

- Evaluating the Pediatric Potential Transplant Recipient with Disabilities
  - Stephen Alexander, MD, Professor, Children's Hospital at Westmead, Australia

- Pre-Transplant Donor and Recipient Screening
  - Peter Chin-Hong, MD, Professor of Medicine, University of California San Francisco, San Francisco, CA, USA

### Worldwide Transplant Infectious Disease: Donors, Recipients and Crossing Borders

**Tracks:**

- Tropical Disease and Transplant: Lessons from Brazil
  - Ligia Pierotti, Hospital das Clinicas, University of Sao Paulo, Sao Paulo, Brazil

- Pre-Transplant Donor and Recipient Screening
  - Peter Chin-Hong, MD, Professor of Medicine, University of California San Francisco, San Francisco, CA, USA

- Crossing Borders: Infections, Organ Transplantation, Travelers
  - Ban Hock Tan, Singapore General Hospital, Singapore, China

**Moderators:**

- Wattana Chartapisak, Assistant Professor, Department of Pediatrics, Division of Nephrology, Chiang Mai University, Chiang Mai, Thailand and Sean Kennedy, Senior Lecturer in Paediatric Nephrology, Sydney Children’s Hospital, Sydney, Australia
- Deepali Kumar, MD, MSc, FRCP(C), Associate Professor of Medicine, University Health Network, Toronto, ON, Canada and Roberta Lattes, MD, Assistant Professor of Infectious Disease, University of Buenos Aires, Buenos Aires, Argentina

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*World Transplant Congress 2014* 38 www.wtc2014.org
Monday, July 28, 2014

COFFEE BREAK

3:45 PM – 4:00 PM

CONCURRENT ABSTRACT SESSIONS

4:00 PM – 5:30 PM

15. Psychosocial and Ethnic Issues in Organ Transplantation
16. Immunosuppression in Liver Transplantation
17. Ischemia Reperfusion Injury/Organ Preservation I
18. Polyoma/BK Virus Infection
19. Non-Complement Fixing and Non-HLA Antibodies: Impact on Kidney
20. Minimization/Avoidance Protocols in Kidney Transplantation I
21. Medical Complications Post Liver Transplantation I
22. Kidney: Living Donor Follow-up
23. B Cell Responses and Alloantibody Production
24. Regulatory Cells
25. Impact of Antibodies in Heart Transplantation
26. Late Kidney Allograft Failure
27. Immunologic Issues in Deceased Donor Transplantation
28. SPK and Retransplantation

POSTER SESSION II

5:30 PM – 6:30 PM
Tuesday, July 29, 2014

**SUNRISE SYMPOSIA**

7:00 AM – 8:15 AM

**De-Sensitization: Coming of Age**

**Tracks:**

**Moderators:** Dixon Kaufman, MD, PhD, Ray Owen Professor of Surgery, University of Wisconsin, Madison, WI, USA and Gilles Blanco, MD, PhD, Professor of Medicine, Institute of Transplantation-Urology-Nephrology (ITUN), Nantes, France

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<tbody>
<tr>
<td>7:00 AM – 7:20 AM</td>
<td>Standardized Approach to Determine Who is Sensitized: Report from the Consensus Conference</td>
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<tr>
<td>Caner Susal, MD</td>
<td>Professor</td>
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<td>University Hospital of Heidelberg Heidelberg, Germany</td>
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<tr>
<td>7:20 AM – 7:25 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>7:25 AM – 7:45 AM</td>
<td>The Significance of DSA: Who to Transplant?</td>
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<tr>
<td>Ty Dunn, MD</td>
<td>Assistant Professor</td>
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<tr>
<td>University of Minnesota Minneapolis, MN, USA</td>
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<tr>
<td>7:45 AM – 7:50 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>7:50 AM – 8:10 AM</td>
<td>Minimizing Risk of Sensitization with Paired Donation</td>
</tr>
<tr>
<td>Robert Montgomery, MD, DPhil, FACS</td>
<td>Professor of Surgery</td>
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<tr>
<td>Johns Hopkins University School of Medicine Baltimore, MD, USA</td>
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<tr>
<td>8:10 AM – 8:15 AM</td>
<td>Q/A Discussion</td>
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</tbody>
</table>
## Regenerative Medicine-based Immune-Modulation

**Tracks:**

**Moderators:** Ronald Gill, PhD, Professor of Surgery and Immunology, University of Colorado-Denver, Aurora, CO, USA and Giuseppe Orlando, MD, PhD, Assistant Professor, Wake Forest University Baptist Medical Center, Winston-Salem, NC, USA

<table>
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<tr>
<th>Time</th>
<th>Topic</th>
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<tbody>
<tr>
<td>7:00 AM</td>
<td>Regenerative Medicine-Based Immune-Camouflage: The Immunocloaking Technology</td>
<td>Lauren Brasile, PhD</td>
<td>Breonis, Inc. Albany, NY, USA</td>
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<tr>
<td>7:20 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>7:25 AM</td>
<td>Encapsulation Technology as Paradigm for Bioengineering Xenogeneic Organs to Escape Immunoregulation</td>
<td>Pierre Gianello</td>
<td>Catholic University of Leuven</td>
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<td>Full Professor</td>
<td>Brussels, Belgium</td>
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<td>7:45 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>7:50 AM</td>
<td>Engineered Primary Chimeric Antigen Receptor T-Cells</td>
<td>Michael Sadelain, MD, PhD</td>
<td>Memorial Sloan-Kettering Cancer Center</td>
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<td>New York, NY, USA</td>
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<td>8:10 AM</td>
<td>Q/A Discussion</td>
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## Clinical Update: Cardiac Allograft Vasculopathy in Heart Transplantation

**Tracks:**

**Moderators:** David Nelson, MD, Chief Heart Transplant Medicine, INTEGRIS Baptist Medical Center of Oklahoma, Oklahoma City, OK, USA and Joren Madsen, MD, D. Phil., Professor of Surgery, Massachusetts General Hospital, Boston, MA, USA

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<tbody>
<tr>
<td>7:00 AM</td>
<td>CAV and IVUS: Are they Necessary?</td>
<td>Randall Starling, MD, MPH</td>
<td>Cleveland Clinic</td>
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<td>Section Chief of Heart Failure and Cardiac Transplant Medicine</td>
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<td>Cleveland, OH, USA</td>
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<td>7:20 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>7:25 AM</td>
<td>CAV Risk Stratification and the Use of the ISHLT CAV Nomenclature Scale</td>
<td>Speaker TBD</td>
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<td>7:45 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>7:50 AM</td>
<td>Newer Strategies to Treat CAV</td>
<td>Piotr Przybylowski, MD, PhD</td>
<td>Jagiellonian University, Medical College</td>
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<td>Associated Professor of Cardiac Surgery and Transplantology</td>
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<td>Krakow, Poland</td>
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<td>Q/A Discussion</td>
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### Proteomics, Beyond Gene Expression in Transplantation

**Tracks:**

**Moderators:** Minnie Sarwal, MD, PhD, MRCP, Prof., Transplant Nephrology & Pediatrics, Director, Sarwal Lab - BIOMARC Inst., California Pacific Medical Center Research Institute, Portola Valley, CA, USA and Peter Nickerson, MD, Professor Internal Medicine and Immunology, University of Manitoba, Winnipeg, MN, Canada

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<tr>
<td>7:00 AM – 7:20 AM</td>
<td>Translational Biomarker Discovery in Clinical Metabolomics</td>
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<td>David Scott Wishart, PhD</td>
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<td>Professor Department of Biological Sciences, University of Alberta</td>
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<td>Edmonton, AB, Canada</td>
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<td>7:20 AM – 7:25 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>7:25 AM – 7:45 AM</td>
<td>PROSPECTS ('Proteomics Specification in Time and Space')</td>
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<td>Brian D. Piening, PhD</td>
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<td>Post-doctoral Fellow Stanford University Palo Alto, CA, USA</td>
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<td>7:45 AM – 7:50 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>7:50 AM – 8:10 AM</td>
<td>Urine Proteomics in Kidney Transplant Recipients and BIOMARGIN (BIOMArkers of Renal Graft Injuries in Kidney Allograft Recipients) Research Project Pierre Marquet Director UMR-S850 INSERM/University of Limoges Limoges, France</td>
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<td>8:10 AM – 8:15 AM</td>
<td>Q/A Discussion</td>
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### Chronic Injury and Interstitial Fibrosis

**Tracks:**

**Moderators:** Roslyn Mannon, MD, Professor of Medicine and Surgery, University of Alabama Birmingham, Birmingham, AL, USA and Brian Nankivell, MD, Renal Medicine, Westmead Hospital, Westmead, Australia

<table>
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<tr>
<td>7:00 AM – 7:20 AM</td>
<td>Genomics of Chronic Allograft Rejection</td>
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<td>Barbara Murphy, MD</td>
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<td>Professor of Medicine Mt. Sinai School of Medicine New York, NY, USA</td>
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<td>7:20 AM – 7:25 AM</td>
<td>Q/A Discussion</td>
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<td>7:25 AM – 7:50 AM</td>
<td>Integrated View of Microenvironment Molecular Changes That Determine Long-term Graft Survival</td>
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<td>David Briscoe, MD, MRCP, ASCI</td>
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<td>Associate Professor Harvard Medical School Children’s Hospital Boston, MA, USA</td>
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<td>7:50 AM – 7:55 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>7:55 AM – 8:10 AM</td>
<td>Impact of Early Subclinical Rejection of Development of Chronic Rejection</td>
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<td>Daniel Seron, MD, PhD</td>
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<td>Research Fellow, Nephrologist Hospital Universitari Vall d’Hebron, Autonomous University of Barcelona Barcelona, Spain</td>
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<td>8:10 AM – 8:15 AM</td>
<td>Q/A Discussion</td>
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</table>
Tuesday, July 29, 2014

The Impact of Donor-Specific Antibodies in Liver Transplantation

Tracks:

Moderators: Goran Klintmalm, MD, PhD, Chief of Transplant Services, Annette C and Harold C Simmons Transplant Institute, Dallas, TX, USA and Neville Jamieson, Consultant Surgeon, Cambridge University Hospitals, Cambridge, United Kingdom

7:00 AM – 7:15 AM Lessons Learned From Animal Models
Stuart Knechtle, MD
Professor of Surgery and Pediatrics
Emory University School of Medicine
Atlanta, GA, USA

7:15 AM – 7:20 AM Q/A Discussion

7:20 AM – 7:35 AM DSA in Liver Transplantation: Definitions, Diagnosis and Treatment
Jacqueline O’Leary, MD, MPH
Medical Director Inpatient Liver & Transplant Unit
Baylor University Medical Center
Dallas, TX, USA

7:35 AM – 7:40 AM Q/A Discussion

7:40 AM – 7:55 AM DSA in Simultaneous Liver/Kidney Transplantation
Allan Kirk, MD, PhD
Professor of Surgery and Pediatrics
Duke University
Durham, NC, USA

7:55 AM – 8:00 AM Q/A Discussion

8:00 AM – 8:15 AM Pathologic Manifestations of DSA in Liver Transplant Recipients
Anthony Jake Demetris, MD
Professor of Pathology
UPMC - Montefiore
Pittsburgh, PA, USA

8:15 AM – 8:20 AM Q/A Discussion

Next Generation Pathology: Digital and In Vivo Imaging

Tracks:

Moderators: Alton Brad Farris, MD, Assistant Professor, Emory University Hospital, Atlanta, GA, USA and Michael Mengel, MD, Associate Professor, University of Alberta, Edmonton, AB, Canada

7:00 AM – 7:20 AM Virtual Cytometry of the Intragraft Infiltrate
Kumiko Isse, MD, PhD
University of Pittsburgh
Department of Pathology
Pittsburgh, PA, USA

7:20 AM – 7:25 AM Q/A Discussion

7:25 AM – 7:45 AM Automated Graft Fibrosis Assessment – the Way Towards Standardization
Vannary Meas-Yedid
Institut Pasteur, Quantitative Image Analysis Unit
Bordeaux, France

7:45 AM – 7:50 AM Q/A Discussion

7:50 AM – 8:10 AM In Vivo Microscopy and its Application to Human Transplants
Guillermo J. Tearney, MD, PhD
Mike and Sue Hazard Family MGH Research Scholar Professor of Pathology
Harvard Medical School
Boston, MA, USA

8:10 AM – 8:15 AM Q/A Discussion
Tuesday, July 29, 2014

Controversies in Deceased Donation

Tracks:

Moderators: Beatriz Dominguez-Gil, MD, PhD, Organizacion Nacional de Trasplantes, Madrid, Spain and Benjamin Hippen, MD, FASN, Clinical Associate Professor of Internal Medicine, UNC School of Medicine, Metroina Nephrology Associates, P.A. Charlotte, NC, USA

7:00 AM – 7:20 AM
- Controversies in Determination of Death and Uncontrolled Cardiac Arrest
  - Maarten Christiaans, MD, PhD
  - Associate Professor
  - Maastricht University Medical Center
  - Maastricht, Limburg, The Netherlands

7:20 AM – 7:25 AM
- Q/A Discussion

7:25 AM – 7:45 AM
- Is the Dead Donor Rule Unnecessary for Organ Donation?
  - David Rodriguez-Arias, PhD
  - Institute of Philosophy, Center for Human and Social Sciences of the Spanish National Research Council (CCHS-CSIC)
  - Madrid, Spain

7:45 AM – 7:50 AM
- Q/A Discussion

7:50 AM – 8:10 AM
- DCD: The Conduct of Research in the Deceased
  - John L. R. Forsythe
  - Professor
  - University of Edinburgh
  - Edinburgh, United Kingdom

8:10 AM – 8:15 AM
- Q/A Discussion

Transplantation Development Models for Countries Starting off in the Field

Tracks:

Moderators: Akinlolu Ojo, MD, PhD, Professor of Medicine, University of Michigan Medical School, Ann Arbor, MI, USA and Maria Christina Ribeiro de Castro, MD, Associate Professor of Nephrology, University of Sao Paulo, Sao Paulo, Brazil

7:00 AM – 7:20 AM
- Report on the Durban 2013 GAT Meeting and the Way Forward for Developing Programs in Africa
  - Elmi Muller, MD
  - University of Cape Town
  - Groote Schuur Hospital
  - Tyger Valley, Cape Town, South Africa

7:20 AM – 7:25 AM
- Q/A Discussion

7:25 AM – 7:45 AM
- Outreach and Training in Africa – Does it Work?
  - Dwomoa Adu, MD
  - University of Ghana Medical School
  - Accra, Ghana

7:45 AM – 7:50 AM
- Q/A Discussion

7:50 AM – 8:10 AM
- African Perspective on Starting Transplantation Programs: Nigeria as Model
  - Fatiu Arogundade, MD
  - Associate Professor
  - Obafemi Awolowo University
  - Teaching Hospitals Complex Ile-Ife, Nigeria

8:10 AM – 8:15 AM
- Q/A Discussion
## Tuesday, July 29, 2014

**Helping a Transplant Candidate Pursue LDs**

*Tracks:*

Moderators: Hassan Ibrahim, MD, MS, Professor of Medicine, University of Minnesota Renal Division, Minneapolis, MN, USA and Jonas Wadstrom, MD, PhD, Professor, Karolinska University Hospital, Stockholm, Sweden

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<tr>
<td>7:00 AM – 7:15 AM</td>
<td>Advocacy and Acceptance of Living Donation in Japan</td>
<td>Shigeru Satoh, MD, PhD</td>
<td>Akita University, Akita, Japan</td>
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<td>7:15 AM – 7:20 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>7:20 AM – 7:35 AM</td>
<td>Physician Advocacy for Living Liver Donation</td>
<td>Gary Levy, MD</td>
<td>Toronto General Hospital, Toronto, ON, Canada</td>
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<td>7:35 AM – 7:40 AM</td>
<td>Q/A Discussion</td>
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<td>7:40 AM – 7:55 AM</td>
<td>Live Donation Through Education</td>
<td>Amy Waterman, PhD</td>
<td>University of California Los Angeles, Los Angeles, CA, USA</td>
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<tr>
<td>7:55 AM – 8:00 AM</td>
<td>Q/A Discussion</td>
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<td>8:00 AM – 8:15 AM</td>
<td>Innovative Approaches to Using the Social Network</td>
<td>Andrew Cameron, MD, PhD</td>
<td>Johns Hopkins Medical Institute, Baltimore, MD, USA</td>
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<td>8:15 AM – 8:20 AM</td>
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**PLENARY ABSTRACT SESSION**

8:30 AM – 9:30 AM

**STATE-OF-THE-ART ADDRESS**

9:30 AM – 10:00 AM

Alvin E. Roth, PhD
Craig and Susan McCaw Professor of Economics at Stanford University
Gund Professor Emeritus of Economics and Business Administration at Harvard

**TTS Presidential Address and Awards**

10:00 AM – 11:00 AM

Francis L. Delmonico, MD
TTS President
Massachusetts General Hospital
Boston, MA, USA

**COFFEE BREAK**

11:00 AM – 11:15 AM

**CONCURRENT ABSTRACT SESSIONS**

11:15 AM – 12:45 PM

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<td>Recurrent Disease Post Kidney Transplantation</td>
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<td>Induction Therapy: T and B Cell Depletion Strategies</td>
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<td>Xenotransplantation: Experimental and Preclinical Studies</td>
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<td>34</td>
<td>Challenges and Opportunities in Infectious Diseases</td>
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<td>Pediatric Liver Transplantation</td>
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<td>New Onset Diabetes after Kidney Transplantation</td>
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<td>Immunosuppression Preclinical Studies – Mechanisms of Action I</td>
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<td>Tolerance/Immune Deviation</td>
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<td>Insights in Heart Transplant Rejection and Immunosuppression</td>
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<td>Kidney: Long-term Donor Outcomes</td>
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<td>41</td>
<td>Controversies in Kidney Allocation</td>
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<td>Application of Omics in Transplantation</td>
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STATE-OF-THE-ART SYMPOSIA

2:15 PM – 3:45 PM

Clinical Trials in Renal Transplantation: What Will the Future Bring?

Tracks:

Moderators: Josep Grinyo, MD, Professor of Medicine, University Hospital of Bellvitge, University of Barcelona, Barcelona, Spain and Jeremy Chapman, MD, FRACP, Westmead Hospital, Division of Medicine and Cancer, Westmead, Australia

2:15 PM – 2:40 PM  Molecular Profiling to Identify Novel Targets for Intervention
Philip Halloran, MD
Director, Alberta Transplant Applied Genomics Centre
University of Alberta
Edmonton, AL, Canada

2:40 PM – 2:45 PM  Q/A Discussion

2:45 PM – 3:10 PM  Surrogate Outcome Parameters in Clinical Trials: Protocol Biopsy vs. Non-Invasive Biomarkers
David Rush, MD
Professor of Medicine
University of Manitoba
Winnipeg, MN, Canada

3:10 PM – 3:15 PM  Q/A Discussion

3:15 PM – 3:40 PM  CTOT after 10 Years – What Have We Learned?
Speaker TBD

3:40 PM – 3:45 PM  Q/A Discussion

Regulatory T-Cells – Bench to Nearly Bedside

Tracks:

Moderators: Bruce Hall, MB, BS, PhD, Professor of Medicine, University of New South Wales, Strathfield, Australia and Qizhi Tang, PhD, Associate Professor, University of California San Francisco, San Francisco, CA, USA

2:15 PM – 2:40 PM  Clinical Translation of T-reg Cell Therapy
Jeffrey Bluestone, PhD
A.W. and Mary Margaret Clausen Distinguished Professor of Endocrinology
University California San Francisco
San Francisco, CA, USA

2:40 PM – 2:45 PM  Q/A Discussion

2:45 PM – 3:10 PM  Do T-regs Have a Role in Chronic Rejection
Joost van Meerwijk
Professor in Immunology
INSERM
Toulouse, France

3:10 PM – 3:15 PM  Q/A Discussion

3:15 PM – 3:40 PM  Manipulating Human Regulatory Cells for the Clinic
Edward Geissler, PhD
University Hospital Regensburg
Experimental Surgery
Wenzenbach, Germany

3:40 PM – 3:45 PM  Q/A Discussion
Tuesday, July 29, 2014

End-Point Model Relationships Between Psychosocial Factors and Clinical Outcomes in Solid Organ Transplantation

Tracks:

Moderators: Marcelo Cantarovich, MD, Professor of Medicine, McGill University Health Center, Montreal, Quebec, Canada and Rita Alloway, PharmD, FCCP, Research Professor, University of Cincinnati School of Medicine, Cincinnati, OH, USA

2:15 PM – 2:40 PM An End-Point Model for Medication Adherence After Transplantation
Cynthia Russell, PhD, RN, FAAN
Professor
University of Missouri Kansas City
Kansas City, MO, USA

2:40 PM – 2:45 PM Q/A Discussion

2:45 PM – 3:10 PM An End-Point Model for Physical Activity Adherence After Transplantation
Anja Rossmeisl, MD
University of Basel
Basel, Switzerland

3:10 PM – 3:15 PM Q/A Discussion

3:15 PM – 3:40 PM An End-Point Model for Smoking and Alcohol Adherence After Transplantation
Nathalie Duerinckx, MSN
Master in Science of Nursing
University of Leuven
Leuven, Belgium

3:40 PM – 3:45 PM Q/A Discussion

Primary Graft Dysfunction After Heart Transplantation

Tracks:

Moderators: Maryl Johnson, MD, Professor of Medicine, University of Wisconsin, Madison, WI, USA and David Taylor, MD, Professor of Medicine, Cleveland Clinic Foundation, Cleveland, OH, USA

2:15 PM – 2:40 PM Primary Graft Dysfunction: Definition and Clinical Overview
Jon Kobashigawa, MD
Director Advanced Heart Disease Section
Cedars Sinai Heart Institute
Beverly Hills, CA, USA

2:40 PM – 2:45 PM Q/A Discussion

2:45 PM – 3:10 PM Pathogenesis and Risk Factors for Primary Graft Dysfunction
Peter S. MacDonald, MD, PhD
Professor
St. Vincent's Hospital
Sydney, Australia

3:10 PM – 3:15 PM Q/A Discussion

3:15 PM – 3:40 PM Prevention and Treatment of Primary Graft Dysfunction
Florian Wagner, MD
Cardiothoracic Surgeon
University Heart Center
Hamburg, Eppendorf, Germany

3:40 PM – 3:45 PM Q/A Discussion

Hepatitis C: New Therapies in the Transplant Setting

Tracks:

Moderators: Geoff McCaughan, MD, PhD, MBBS, Royal Prince Alfred Hospital, Sydney, Australia and Jeffrey Crippin, MD, Marilyn Bornefeld Chair in Gastrointestinal Research and Treatment, Washington University School of Medicine, St. Louis, MO, USA
Tuesday, July 29, 2014

2:15 PM – 2:40 PM  
Drug Interactions Pre- and Post-Liver Transplantation  
*Michael Charlton, MD*  
Director of Hepatology and Liver Transplantation  
*Intermountain Medical Center*  
Murray, UT, USA

2:40 PM – 2:45 PM  
Q/A Discussion

2:45 PM – 3:10 PM  
Interferon Free Antiviral Therapy in Waiting List Patients  
*Gregory Everson, MD*  
Professor of Medicine  
*University of Colorado Health Science Center*  
Aurora, CO, USA

3:10 PM – 3:15 PM  
Q/A Discussion

3:15 PM – 3:40 PM  
Outcomes for Triple Antiviral Therapy Post Transplant  
*James Trotter, MD*  
Medical Director of Liver  
*Baylor University Medical Center*  
Dallas, TX, USA

3:40 PM – 3:45 PM  
Q/A Discussion

Transplant Surgery and Coping With Obesity

Moderators: Richard Allen, Professor, Royal Prince Alfred Hospital, Sydney, Australia and Andrew Posselt, MD, PhD, Associate Professor of Surgery, University of California San Francisco, San Francisco, CA, USA

2:15 PM – 2:30 PM  
The Effect of the Recipient and Donor BMI on Graft Function  
*Robert Oellinger*  
University Professor  
Medical University Innsbruck  
Innsbruck, Austria

2:30 PM – 2:35 PM  
Q/A Discussion

Donation After Circulatory Death

Moderators: James S. Allan, MD, Asst. Professor of Surgery, Massachusetts General Hospital, Boston, MA, USA and John Friedewald, MD, Assistant Professor of Medicine and Surgery, Northwestern University, Chicago, IL, USA

2:15 PM – 2:30 PM  
Donation After Brain Circulatory Death in China (DBCD)  
*Haibo Wang, MD*  
University of Hong Kong  
Hong Kong, China

2:30 PM – 2:35 PM  
Q/A Discussion
## Program

### Tuesday, July 29, 2014

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<tr>
<td>2:35 PM – 2:50 PM</td>
<td>Uncontrolled DCD Under Controlled Circumstances in St. Petersburg, Russia</td>
<td>Oleg Reznik, MD, PhD</td>
<td>First St. Petersburg Medical University</td>
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<td>2:50 PM – 2:55 PM</td>
<td>Q/A Discussion</td>
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<tr>
<td>2:55 PM – 3:10 PM</td>
<td>Making DCD Happen: European Recommendations About Donation</td>
<td>Beatriz Dominguez-Gil, MD, PhD</td>
<td>Organizacion Nacional de Trasplantes</td>
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<td>3:10 PM – 3:15 PM</td>
<td>Q/A Discussion</td>
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<tr>
<td>3:15 PM – 3:30 PM</td>
<td>Making Deceased Donation Happen</td>
<td>Jongwon Ha, MD, PhD</td>
<td>Seoul National University College of Medicine</td>
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<td>3:30 PM – 3:45 PM</td>
<td>Q/A Discussion</td>
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### Diagnostic Commonalities of Antibody-mediated Rejection in Solid Organ Transplants

**Tracks:**

- **Pathology of Antibody-mediated Tissue Injury**
  - Lorraine Racusen, MD
  - Johns Hopkins University
  - Baltimore, MD, USA

- **Endothelial and Epithelial Protection Through Pulsatile Perfusion**
  - Guillermo Garcia-Cardenas
  - Harvard Medical School
  - Boston, MA, USA

### Organ Perfusion and Preservation Strategies

**Tracks:**

- **Endothelial and Epithelial Protection Through Pulsatile Perfusion**
  - Guillermo Garcia-Cardenas
  - Harvard Medical School
  - Boston, MA, USA

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<td>Pathology of Antibody-mediated Tissue Injury</td>
<td>Lorraine Racusen, MD</td>
<td>Johns Hopkins University</td>
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- **The Potential of Normothermic Perfusion for Organ Protection and Repair**
  - Shaf Keshavjee, MD
  - University of Toronto
  - Toronto, ON, Canada

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<tr>
<td>2:45 PM – 3:10 PM</td>
<td>Molecular Correlates of Antibody-mediated Tissue Injury</td>
<td>Banu Sis, MD</td>
<td>University of Alberta</td>
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<td>3:10 PM – 3:15 PM</td>
<td>Q/A Discussion</td>
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<td>3:15 PM – 3:40 PM</td>
<td>NK Cells in AMR: Diagnostic, Prognostic, and Therapeutic Implications</td>
<td>Joren Madsen, MD, DPhil</td>
<td>Massachusetts General Hospital</td>
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<td>3:40 PM – 3:45 PM</td>
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Tuesday, July 29, 2014

3:15 PM – 3:40 PM  Ex-Vivo Perfusion of Abdominal Organs  
Ina Jochmans, MD, PhD  
Assistant Professor  
University Hospitals Leuven  
Leuven, Belgium

3:40 PM – 3:45 PM  Q/A Discussion

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The Maturing Immune System in Children After Transplant: Addressing the Issues of Immunity, Vaccination and Therapeutics

Tracks:

Moderators: Anette Melk, MD, PhD, Professor of Pediatrics, Hannover Medical School, Hannover, Lower Saxoie, Germany and David Briscoe, MD, MRCP, ASCI, Associate Professor Harvard Medical School, Children’s Hospital Boston, Boston, MA, USA

2:15 PM – 2:40 PM  Biomarker Development and Use for Pediatric Transplant Recipients  
David Briscoe, MD, MRCP, ASCI  
Associate Professor Harvard Medical School  
Children’s Hospital Boston, Boston, MA, USA

2:40 PM – 2:45 PM  Q/A Discussion

2:45 PM – 3:10 PM  Vaccines After Transplant in Kids – How to Develop Protective Immunity While Suppressing Immunity  
Sandra Burchett, MD, MSc  
Children’s Hospital, Harvard Medical School  
Boston, MA, USA

3:10 PM – 3:15 PM  Q/A Discussion

3:15 PM – 3:40 PM  Child-Specific Immune Assessment and Therapeutics  
Stephen Alexander, MD  
Professor  
Children’s Hospital at Westmead  
Westmead, Australia

3:40 PM – 3:45 PM  Q/A Discussion

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Risky Organs: Transplantation of Organs From Infected or Potentially Infected Donors

Tracks:

Moderators: Hans Hirsch, MD, MSc, Professor, University of Basel, Department Biomedicine, Basel, Switzerland and Michael Ison, MD, MS, Northwestern University, Chicago, IL, USA

2:15 PM – 2:40 PM  Risk of Disease Transmission: Things We Know  
Atul Humar, MD  
Professor, Department of Medicine  
University of Toronto  
Toronto, ON, Canada

2:40 PM – 2:45 PM  Q/A Discussion

2:45 PM – 3:10 PM  Emerging Infections: The Risk and Awareness of Transmission in Transplantation  
Jay Alan Fishman, MD  
Professor of Medicine  
Massachusetts General Hospital, Harvard Medical School  
Boston, MA, USA

3:10 PM – 3:15 PM  Q/A Discussion

3:15 PM – 3:40 PM  How Good Are We at Communicating Risk of Disease Transmission?  
Tim L. Pruett, MD  
Professor of Surgery  
University of Minnesota  
Minneapolis, MN, USA

3:40 PM – 3:45 PM  Q/A Discussion
Tuesday, July 29, 2014

Removing Disincentives for Living-related Organ Donation – A Panel Discussion

Moderators: Mitra Mahdavi-Mazdeh, MD, Director of Iranian Tissue Bank Research & Preparation Center, Tehran University of Medical Sciences, Tehran, Iran and John Gill, MD, MS, Associate Professor of Medicine, University of British Columbia, Vancouver, BC, Canada

2:15 PM – 2:20 PM The US Living Donor Expenses Scheme
Robert M. Merion, MD
Professor of Surgery,
University of Michigan
President, Arbor Research Collaborative for Health
Ann Arbor, MI, USA

2:20 PM – 2:25 PM The Australian Living Donor Employer Reimbursement Scheme
Neil Boudville, MBBS
Professor
University of Western Australia
Nedlands, Australia

2:25 PM – 2:30 PM Living Donor Reimbursements in the Middle East
Faissal Shaheen
Saudi Center for Organ Transplantation
Riyadh, Saudi Arabia

2:30 PM – 2:35 PM Current State of Living Donor Incentives and Disincentives in Latin America
Rudolf Garcia-Gallont, MD, FEBS
Hospital General San Juan de Dios
Guatemala City, Guatemala

2:35 PM – 2:40 PM Living Donor Incentives and Disincentives in India
Sunil Shroff, MD
Professor and HOC Urology & Renal Transplantation
Sri Ramachandra Medical College & Research Centre
Chennai, India

2:40 PM – 2:45 PM Current State of Living Donor Reimbursement in Europe
Michael Adrian Bos, MD, MA Soc Health Council of the Netherlands (retired)
Engwierum, The Netherlands

2:45 PM – 3:45 PM Open Panel Discussion of the Most Effective Strategies Globally to Remove Disincentives for Living Kidney Donation

COFFEE BREAK

3:45 PM – 4:00 PM

CONCURRENT ABSTRACT SESSIONS

4:00 PM – 5:30 PM

43. Small Bowel Multivisceral Transplantation
44. Living Donors and Partial Grafts in Liver Transplantation
45. Clinical Transplantation in Developing Countries
46. Desensitization Protocols in Kidney Transplantation
47. Ischemia Reperfusion Injury and Organ Preservation II
48. Infectious Complications Post Kidney Transplantation
49. Medical Complications Post Liver Transplantation II
50. Biomarkers and Immune Monitoring
51. Acute Kidney Injury
52. Lymphocyte Biology: Signaling and Co-Stimulation
53. Novel Outcomes in Heart Transplantation
54. Cardiovascular Complications After Kidney Transplantation I
55. Public Policy and Regulatory Oversight I
56. Lymphocyte Biology: Signaling and Co-Stimulation

POSTER SESSION III

5:30 PM – 6:30 PM
Wednesday, July 30, 2014

SUNRISE SYMPOSIA

7:00 AM – 8:15 AM

Finding Solutions to Improving Long-term Outcome

Tracks:

Moderators: Vivekanand Jha, MD, PhD, Professor of Medicine, Postgraduate Medical Institute, Chandigarh, India and Helio Tedesco-Silva, Assistant Professor, Hospital do Rim, Federal University of São Paulo, Sao Paulo, Brazil

7:00 AM – 7:20 AM
Pathology of Long-term Graft Loss
Bruce Kaplan, MD
Professor of Medicine, Molecular Genetics, and Immunology
Kansas University Medical Center
Kansas City, KS, USA

7:20 AM – 7:25 AM
Q/A Discussion

7:25 AM – 7:45 AM
Causes of Graft Loss After Long-term Graft Survival
Donald Hricik, MD
Professor of Medicine
Case Western Reserve University
Cleveland, OH, USA

7:45 AM – 7:50 AM
Q/A Discussion

7:50 AM – 8:10 AM
What Interventions Work Late After Transplant
Klemens Budde, MD, PhD
Department of Nephrology
Charité Universitätsmedizin Berlin
Berlin, Germany

8:10 AM – 8:15 AM
Q/A Discussion

Regulated Necrosis and New Forms of Death: Potential Targets to Alter Inflammation

Moderators: Jonathan Maltzman, MD, PhD, Assistant Professor, University of Pennsylvania, Renal, Electrolyte and Hypertension Division, Philadelphia, PA, USA and Carla Baan, PhD, Erasmus Medical Center, Rotterdam, The Netherlands

7:00 AM – 7:20 AM
Overview of Current Basic Concepts in Cell Death/Inflammation
Douglas Green, PhD
Peter C. Doherty Endowed Chair of Immunology
St. Jude’s Children’s Research Hospital
Memphis, TN, USA

7:20 AM – 7:25 AM
Q/A Discussion

7:25 AM – 7:45 AM
Effect of Altering Donor Organ Apoptosis and Necroptosis in Transplantation
Anthony Jevnikar, MD
Professor of Medicine, Surgery, Immunology
London Health Sciences Center, University Hospital
London, ON, Canada

7:45 AM – 7:50 AM
Q/A Discussion

7:50 AM – 8:10 AM
Therapeutic Interventions in Necroptosis: Changing the Paradigms in the Regulation of Cell Death in the Clinic
Andreas Linkermann
Clinic for Nephrology and Hypertension
Christian-Albrechts University
Kiel, Germany

8:10 AM – 8:15 AM
Q/A Discussion

Senescence of Transplanted Organs

Tracks:

Moderators: Daniel Goldstein, MD, Professor, Yale University, Woodbridge, CT, USA and Xian Li, MD, PhD, Houston Methodist Hospital, The Methodist Hospital Research Institute, Houston, TX, USA

7:00 AM – 7:20 AM
Aging and Organ Repair Capacities
Roland Schmitt, MD
Department of Nephrology
Hannover Medical School
Hannover, Germany

7:20 AM – 7:25 AM
Q/A Discussion
### Program

**Wednesday, July 30, 2014**

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</table>
| 7:25 AM – 7:45 AM | The Interplay of Telomeres, p53 and Mitochondria in Organ Aging        | Ergun Sahin, MD, PhD  
Huffington Center on Aging, Baylor College of Medicine  
Houston, TX, USA                                                                 |
| 7:45 AM – 7:50 AM | Q/A Discussion                                                          |                                                                                               |
| 7:50 AM – 8:10 AM | Organ Age Determines Immune Responses: Mechanisms and Clinical Consequences | Stefan G. Tullius, MD, PhD, FACS  
Chief Division of Transplant Surgery  
Professor of Surgery  
Brigham & Women’s Hospital  
Harvard Medical School  
Boston, MA, USA                                                                 |
| 8:10 AM – 8:15 AM | Q/A Discussion                                                          |                                                                                               |

**What’s New in Pediatric Cardiothoracic Transplantation?**

Tracks:

Moderators: Anne Dipchand, MD, FRCPC, Head Heart Transplant Program, The Hospital of Sick Children, Toronto, ON, Canada and Christian Benden, MD, Director of Pediatric and Adult Lung Transplant Program, University Hospital Zurich, Zurich, Switzerland

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| 7:00 AM – 7:20 AM | Impact of VAD Technology on Pre and Post HTx Outcomes                  | Vaughan Carter, PhD, FRCPPath  
Consultant Clinical Scientist  
National Health Service Blood And Transplant,  
Newcastle upon Tyne, United Kingdom                                                                 |
| 7:20 AM – 7:25 AM | Q/A Discussion                                                          |                                                                                               |

**Trialing for Tolerance**

Tracks:

Moderators: Laurence Turka, MD, Harold and Ellen Danser Professor of Surgery, Massachusetts General Hospital/Harvard Medical School, Boston, MA, USA and Kenneth Newell, MD, PhD, Professor of Surgery, Emory University School of Medicine, Atlanta, GA, USA

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| 7:00 AM – 7:20 AM | BioDRiM: Personalized Minimization of Immunosuppression After Solid Organ Transplantation by Biomarker-Driven Stratification of Patients to Improve Long-term Outcomes and Healthy Economic Data of Transplantation | Petra Reinke, MD  
Professor, Dr. of Medicine  
Charité-Universitätsmedizin Berlin  
Berlin, Germany                                                                 |
| 7:20 AM – 7:25 AM | Q/A Discussion                                                          |                                                                                               |
Program

Wednesday, July 30, 2014

7:25 AM – 7:45 AM The Use of Tolerant Signatures to Guide Clinical Management
Maria Hernandez-Fuentes, MD, PhD
Senior Lecturer in Translational Research
Kings College London
London, United Kingdom

7:45 AM – 7:50 AM Q/A Discussion

7:50 AM – 8:10 AM Biomarker Signatures for Better Management of Heart Transplant Patients
Bruce McManus, MD, PhD, FRSC
Professor, Department of Pathology and Laboratory Medicine, UBC Centre of Excellence for Prevention of Organ Failure (PROOF Centre)
St. Paul’s Hospital, University of British Columbia
Vancouver, BC, Canada

8:10 AM – 8:15 AM Q/A Discussion

Segmental (Living Donor/Split) Liver Transplantation: Variable Recipient Factors

Tracks:

Moderators: Charles Miller, MD, Surgical Program Director, Liver Transplantation, Cleveland Clinic Foundation, Cleveland, OH, USA and Bijan Eghtesad, MD, Professor of Surgery, Cleveland Clinic Foundation, Cleveland, OH, USA

7:00 AM – 7:20 AM Systemic Hemodynamics and Hepatic Blood Flow - Are They Important?
Jean Emond, MD
Director of Transplantation
Columbia University Medical Center
New York, NY, USA

7:20 AM – 7:25 AM Q/A Discussion

7:25 AM – 7:45 AM Portosystemic Connections (shunts) and Manipulations: 1) Splenectomy and Sphenic Artery Ligation; 2) Preformed Shunt Ligation or New Shunt Creation
Koji Hashimoto, MD

8:10 AM – 8:15 AM Q/A Discussion
**Wednesday, July 30, 2014**

### Challenges in Solid Organ Transplant in HIV Patients

**Tracks:**

**Moderators:** Teresa DeMarco, MD, University of California San Francisco, San Francisco, CA, USA and Michael Wong, MD, Associate Professor of Medicine, Beth Israel Deaconess Hospital, Boston, MA, USA

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<tr>
<td>7:00 AM – 7:20 AM</td>
<td>An Overview of Rejection and the Role of Cross- Reactive T-Cells in HIV Positive</td>
<td>Peter Stock, MD, University of California San Francisco</td>
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<td>San Francisco, CA, USA</td>
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<td>7:20 AM – 7:25 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>7:25 AM – 7:45 AM</td>
<td>Challenges in Controlling HIV Recurrence and the Impact of New Antivirals in Co-Infected Patients with Hepatitis C</td>
<td>Didier Samuel, MD, PhD, Hospital Paul Brousse</td>
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<td>Villejuif, France</td>
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<td>7:45 AM – 7:50 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>7:50 AM – 8:10 AM</td>
<td>HIV Positive to Positive Transplantation – An Update</td>
<td>Elmi Muller, MB, ChB, Groote Schuur Hospital</td>
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<td>University of Cape Town</td>
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<td>Tyger Valley, Cape Town, South Africa</td>
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<td>Q/A Discussion</td>
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### Making Deceased Donation Happen: An Overview of New National Programs

**Tracks:**

**Moderators:** Marwan Abouljoud, MD, Benson Ford Chair Transplant and Hepatobiliary Surgery, Henry Ford Health System, Detroit, MI, USA and Eytan Mor, Professor, Clalit Medical Insurance, Rabin Medical Center, Petah-Tikva, Israel

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<tr>
<td>7:50 AM – 8:10 AM</td>
<td>Education and Cooperation in Developing Countries: Trinidad and Tobago, Lebanon, Thailand, Slovenia, Qatar and India</td>
<td>Marti Manyalich-Vidal, MD, PhD, Hospital Clinic de Barcelona/ Universitat de Barcelona</td>
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**What to Expect Down the Road: Best Practice in the Management of Chronic Care Issues Post-Transplant**

*Tracks:*

*Modestors: Lisa Coscia, RN, BSN, CCTC, Senior Pregnancy Registry Research Coordinator, National Transplantation Pregnancy Registry, Philadelphia, PA, USA and Jenny Wichart, BSc, Pharm, ACPR, Pharmacy Clinical Practice Leader, Alberta Children’s Hospital (Pharmacy Department), Calgary, AB, Canada*

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<td>7:00 AM – 7:20 AM</td>
<td>Cancer After Solid Organ Transplantation: Risks and Realities</td>
<td>Claire M. Vajdic, PhD, Team Leader, Lowy Cancer Research Centre/University of New South Wales, Sydney, Australia</td>
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<td>7:20 AM – 7:25 AM</td>
<td>Q/A Discussion</td>
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<tr>
<td>7:25 AM – 7:45 AM</td>
<td>Hypertension, Hyperglycemia and Metabolic Syndrome: Best Practice Management for Common Co-Morbidities Post-Transplant</td>
<td>Kymberly Watt, MD, Associate Professor of Medicine, Medical Director of Liver Transplant, Mayo Clinic, Rochester, MN, USA</td>
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<td>7:45 AM – 7:50 AM</td>
<td>Q/A Discussion</td>
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<td>7:50 AM – 8:10 AM</td>
<td>Minimizing Exposure Risks in Global Travel: What to Get Before You Go</td>
<td>Deepali Kumar, MD, MSC, FRCP(C), Associate Professor of Medicine, University Health Network, Toronto, ON, Canada</td>
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<td>8:10 AM – 8:15 AM</td>
<td>Q/A Discussion</td>
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**Clinical Approach in Lung AMR**

*Tracks:*

*Modestors: Jason Christie, MD, Associate Professor of Medicine and Epidemiology, University of Pennsylvania Medical Center, Philadelphia, PA, USA and Dolly Tyan, PhD, Professor of Pathology, Stanford University, Palo Alto, CA, USA*

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<td>Diagnostic Evaluation and Monitoring of DSA After Lung Transplantation</td>
<td>Nancy Reinsmoen, PhD, Professor and Director of HLA Laboratory, Cedars Sinai Medical Center, Los Angeles, CA, USA</td>
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<td>7:25 AM – 7:45 AM</td>
<td>The Spectrum of Pathological Changes of AMR Post Lung Transplantation: Where are we in 2014?</td>
<td>Desley Neil, B Med Sc, MBBS, PhD, FRCPath, Histopathology Consultant, University Hospital Birmingham, NHS/Queen Elizabeth Hospital, Edgbaston, Birmingham, United Kingdom</td>
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<td>7:50 AM – 8:10 AM</td>
<td>Clinical Relevance of AMR After Lung Transplantation</td>
<td>Deborah Levine, MD, Assistant Professor of Medicine, University of Texas at San Antonio, San Antonio, TX, USA</td>
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<td>8:10 AM – 8:15 AM</td>
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PLENARY ABSTRACT SESSION
8:30 AM – 9:30 AM

STATE-OF-THE-ART ADDRESS
9:30 AM – 10:00 AM
Shinya Yamanaka, MD, PhD
Director of the Center for iPS Cell Research and Application (CiRA)
Kyoto University
Kyoto, Japan

AST Presidential Address and Awards
10:00 AM – 11:00 AM
Daniel R. Salomon, MD
AST President
Scripps Research Institute
San Diego, CA, USA

COFFEE BREAK
11:00 AM – 11:15 AM

CONCURRENT ABSTRACT SESSIONS
11:15 AM – 12:45 PM
57. Clinical Issues Pre and Post Lung Transplantation
58. Renal Complications Following Liver Transplantation
60. Novel Immunosuppressants in Kidney Transplantation
61. Update in Histocompatibility and Immunogenics
62. Minimization/Avoidance Protocols in Kidney Transplantation II
63. Ischemia Reperfusion Injury, HLA, Sensitization in Liver Transplantation
64. Metabolic Disorders in Kidney Transplantation
65. Immunosuppression Preclinical Studies: Mechanisms of Action II
66. Lymphocyte Biology: Regulation
67. Pediatric Kidney Trials and Observational Studies
68. Kidney Complications: Sensitization
69. Ischemia Reperfusion Injury: Kidney and Heart
70. Pancreas: Preservation and Monitoring

STATE-OF-THE-ART SYMPOSIA
2:15 PM – 3:45 PM

Understanding Antibody-Mediated Kidney Injury

Tracks:

2:15 PM – 2:40 PM
Role of Non-HLA Antibody in Graft Injury
Duska Dragun
Professor of Medicine
Department of Nephrology and Intensive Care Medicine, Charité – Berlin
Berlin, Germany

2:40 PM – 2:45 PM
Q/A Discussion

2:45 PM – 3:10 PM
Are Antibodies Really the Culprit?
Anthony Dorling, PhD, FRCP
Professor of Transplant Inflammation and Repair
Kings College
London, United Kingdom

3:10 PM – 3:15 PM
Q/A Discussion

3:15 PM - 3:40 PM
Evolving Therapies for Antibody-Mediated Injury
Christophe Legendre, MD
Université Paris Descartes
Hôpital Necker
Paris, France

3:40 PM – 3:45 PM
Q/A Discussion
### Future Treatments for End Stage Lung Disease: What Will We Be Offering Our Patients in 10 Years? The Ten-year Horizon in Lung Replacement Therapy

**Tracks:**

Moderators: Richard Pierson, III, MD, Senior Associate Dean and Professor of Surgery, University of Maryland, Baltimore, MD and John Dark, FRCS, Professor of Cardiothoracic Surgery, Freeman Hospital, University of Newcastle, Newcastle, United Kingdom

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<td>2:15 PM – 2:40 PM</td>
<td>What is the Real, Full Potential from Cadaveric Lungs?</td>
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<td>Glen Westall, MD</td>
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<td>Transplant Pulmonologist</td>
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<td>2:45 PM – 3:10 PM</td>
<td>Man-Engineered Solutions – How Near, How Far?</td>
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<td>Robert Bartlett, MD</td>
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<td>Professor of Surgery, Emeritus</td>
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<td>Regeneration or Xeno?</td>
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<td>Duane Davis, MD</td>
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<td>Professor of Surgery, Director of Transplantation</td>
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<td>Duke University Medical Center</td>
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<td>Durham, NC, USA</td>
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<td>Q/A Discussion</td>
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### Sepsis in Solid Organ Transplantation

**Tracks:**

Moderators: Sharon Chen, MD, Instructor, Stanford University School of Medicine, Stanford, CA, USA and Jordi Carratala, MD, PhD, Professor of Medicine Hospital de Bellvitge, University of Barcelona, Barcelona, Spain

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<td>2:15 PM – 2:40 PM</td>
<td>The Unique Biology of Sepsis in the Immunosuppressed Host</td>
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<td>Steven M. Opal, MD</td>
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<td>Alpert Medical School of Brown University</td>
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<td>Memorial Hospital of Rhode Island</td>
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<td>2:45 PM – 3:10 PM</td>
<td>The 2013 “Surviving Sepsis” Guidelines – Are They Relevant in Transplantation?</td>
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<td>Camille Kotton, MD</td>
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<td>Associate Professor, Harvard Medical School</td>
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<td>Clinical Director, Transplant Infectious Disease</td>
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<td>Massachusetts General Hospital</td>
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<td>3:15 PM - 3:40 PM</td>
<td>Antimicrobial Pharmacokinetics to Optimize the Treatment of Sepsis</td>
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<td>Jason A. Roberts, BPharm(Hons), PhD</td>
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<td>NHMRC Research Fellow</td>
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<td>University of Queensland</td>
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### Hepatocellular Carcinoma at the Molecular Level

**Tracks:**

**Moderators:** Pierre Clavien, MD, PhD, Professor and Chairman, University Hospital Zurich, Zurich, Switzerland and Myron Schwartz, Mount Sinai Medical School, New York, NY, USA

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<td>2:15 PM – 2:40 PM</td>
<td>Gene Expression Profiles Associated With Progression of HCC</td>
<td>Xin Wei Wang, PhD</td>
<td>National Cancer Institute, Bethesda, MD, USA</td>
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<tr>
<td>2:45 PM – 3:10 PM</td>
<td>Pathways of Carcinogenesis in HCC</td>
<td>Jessica Zucman-Rossi</td>
<td>Université Paris Descartes, Paris, France</td>
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<td>3:10 PM – 3:15 PM</td>
<td>Q/A Discussion</td>
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<td>3:15 PM – 3:40 PM</td>
<td>HCC and Carcinogenesis</td>
<td>Peter Schirmacher, MD</td>
<td>Institute of Pathology, University Hospital Heidelberg, Germany</td>
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<td>3:40 PM – 3:45 PM</td>
<td>Q/A Discussion</td>
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### VCA: Management and Monitoring

**Tracks:**

**Moderators:** Vijay Gorantla, MD, Associate Professor of Surgery, Administrative Medical Director VCA Program, University of Pittsburgh Medical Center, Pittsburgh, PA, USA and Palmina Petruzzo, Hospital Herrou Herriot, Lyon, France

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<td>2:15 PM – 2:40 PM</td>
<td>Short- and Long-term Outcomes in VCA</td>
<td>L. Scott Levin, MD</td>
<td>Paul D. Magnuson Professor of Bone and Surgery, Hospital of University of Pennsylvania, Philadelphia, PA, USA</td>
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<tr>
<td>2:45 PM – 3:10 PM</td>
<td>Immunological Challenges in VCA</td>
<td>Emmanuel Morelon</td>
<td>Hospices Civils de Lyon, Université Claude Bernard Lyon 1, Lyon, France</td>
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<td>3:10 PM – 3:15 PM</td>
<td>Q/A Discussion</td>
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<td>3:15 PM – 3:40 PM</td>
<td>Immunosuppression Regimens in VCA: Are They Different From Other Organ Transplants?</td>
<td>Gerald Brandacher, MD</td>
<td>Johns Hopkins University School of Medicine, Baltimore, MD, USA</td>
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<td>Q/A Discussion</td>
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### Maximizing Deceased Donation and Increasing the Donor Pool in Developing Countries

**Tracks:**

**Moderators:** Vivekanand Jha, MD, PhD, Professor of Nephrology, Postgraduate Medical Institute, Chandigarh, India and Gurch Randhawa, Professor of Diversity on Public Health & Director, Institute for Health Research, University of Bedfordshire, Putteridge Bury Campus, Luton, United Kingdom

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<tr>
<td>2:15 PM – 2:40 PM</td>
<td>Improving Deceased Donation in India – Challenges and Solutions</td>
<td>Sunil Shroff</td>
<td>Prof and HOC Urology &amp; Renal Transplantation, Sri Ramachandra Medical College &amp; Research Centre, Chennai, India</td>
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### Program

#### Wednesday, July 30, 2014

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<td>2:45 PM – 3:10 PM</td>
<td>Does Race, Religion and Socio-Economic Factors Still Play a Role – South Africa as a Model for the Developing World&lt;br&gt;Fiona McCurdie, BSc&lt;br&gt;University of Cape Town&lt;br&gt;Groote Schuur Hospital&lt;br&gt;Cape Town, South Africa</td>
<td>3:00 PM – 3:05 PM&lt;br&gt;Q/A Discussion&lt;br&gt;2:40 PM – 3:00 PM&lt;br&gt;Controlling Anti-Carbohydrate Antibody Responses in Xenotransplantation&lt;br&gt;Hideki Ohdan, MD, PhD&lt;br&gt;Gastroenterological &amp; Transplant Surgery&lt;br&gt;Hiroshima University&lt;br&gt;Hiroshima, Japan</td>
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<td>3:15 PM – 3:40 PM</td>
<td>Donation After Cardiac Death ? A Way Forward for Developing Countries?&lt;br&gt;Marti Manyalich, MD, PhD&lt;br&gt;Hospital Clinic de Barcelona/Universitat de Barcelona&lt;br&gt;Barcelona, Spain</td>
<td>3:15 PM - 3:25 PM&lt;br&gt;Targeting B-Cells for Extension of GTKO Pig Heart Xenograft Survival in Baboons&lt;br&gt;Muhammad M. Mohiuddin, MD&lt;br&gt;Chief, Transplantation Section&lt;br&gt;SRP / NHLBI / National Institutes of Health&lt;br&gt;Bethesda, MD, USA</td>
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<td>Q/A Discussion</td>
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<td>2:15 PM – 2:30 PM</td>
<td>Identification of New Carbohydrate and Membrane Protein Antigens in Xenotransplantation&lt;br&gt;Christopher G.A. McGregor, MB, FRCS, MD(Hons)&lt;br&gt;Professor of Medicine&lt;br&gt;Mayo Clinic&lt;br&gt;London, United Kingdom</td>
<td>2:15 PM – 2:35 PM&lt;br&gt;Organ Bioengineering and Regeneration as the New Holy Grail for Organ Transplantation&lt;br&gt;Giuseppe Orlando, MD, PhD&lt;br&gt;Assistant Professor&lt;br&gt;Wake Forest University Baptist Medical Center&lt;br&gt;Winston Salem, NC, USA</td>
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<td>Q/A Discussion</td>
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#### New Targets for Immune Intervention in Organ Xenotransplantation

**Tracks:**

*Moderators: Chris Burlak, PhD, Assistant Professor, Indiana University School of Medicine, Indianapolis, IN, USA and Mauro S. Sandrin, Professor, University of Melbourne, Heidelberg, Australia*

- **2:15 PM – 2:35 PM**
  - Identification of New Carbohydrate and Membrane Protein Antigens in Xenotransplantation<br>  - Christopher G.A. McGregor, MB, FRCS, MD(Hons)<br>  - Professor of Medicine<br>  - Mayo Clinic<br>  - London, United Kingdom

- **2:35 PM – 2:40 PM**
  - Q/A Discussion
## Program

### Wednesday, July 30, 2014

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<tr>
<td>2:30 PM – 2:45 PM</td>
<td>Developing Replacement Abdominal Organs</td>
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<td>Jason Wertheim, MD, PhD (Assistant Professor, Northwestern University)</td>
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<td>2:45 PM – 3:00 PM</td>
<td>How Regenerative Medicine Will Change the Face of Thoracic Allogeneic Stem Cells</td>
<td>Cedars-Sinai Heart Institute</td>
<td>Eduardo Marban, MD, PhD (Director, Cedars-Sinai Heart Institute)</td>
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<td>3:00 PM – 3:15 PM</td>
<td>Strategies to Engineer and Regenerate Kidneys</td>
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<td>William Fissell, MD (Associate Professor, Vanderbilt University School of Medicine)</td>
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<td>3:15 PM – 3:30 PM</td>
<td>Experimental Transplantation of Bioengineered Livers</td>
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<td>Korkut Uygun, MD (Assistant Professor of Surgery, Massachusetts General Hospital)</td>
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<td>Q/A Discussion</td>
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<td>3:30 PM – 3:45 PM</td>
<td>ABO-Incompatible Transplantation – Is It Time?</td>
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<td>Moderators: Kate Wyburn, Professor, Royal Prince Alfred Hospital, Sydney, Australia and Andrew Singer, MD, PhD, Assistant Professor of Surgery, Johns Hopkins Hospital, Baltimore, MD, USA</td>
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<td>2:15 PM – 2:35 PM</td>
<td>Immunobiology of ABO Carbohydrate Antigens and Antibodies: Redefining the Role of T-Cells in “T-independent” Immune Responses</td>
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<td>Vaughan Carter, PhD, FRCPATH (Consultant Clinical Scientist, Associate Clinical Lecturer, Newcastle University)</td>
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<td>2:40 PM – 3:00 PM</td>
<td>Glyconanotechnology Tools for the Study of ABO Antibodies and B-Cells: Beyond the Isohemagglutination Assay</td>
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<td>Lori West, MD, D. Phil (Professor of Pediatrics, Surgery and Immunology, University of Alberta)</td>
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<td>3:00 PM – 3:05 PM</td>
<td>ABO-incompatibility in the Context of Transplantation: Revisiting Accommodation, AMR and Tolerance</td>
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<td>Gavin Pettigrew (Reader in Clinical and Experimental Transplantation, Cambridge University)</td>
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<td>3:25 PM – 3:30 PM</td>
<td>ABO-incompatible Transplantation in Japan</td>
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<td>Kazunari Tanabe, MD, PhD (Professor and Chairman, Department of Urology, Tokyo Women’s Medical University, Tokyo, Japan)</td>
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<td>3:30 PM – 3:45 PM</td>
<td>ABO-incompatible Transplantation in Japan</td>
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<td>Q/A Discussion</td>
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### Fighting Transplant Tourism, Trafficking and Trade

**Tracks:**

- Moderators: Michael Adrian Bos, MD, MA Soc, Engwierum, The Netherlands and Robert Gaston, MD, Endowed Professor of Transplant Nephrology, University of Alabama at Birmingham, Birmingham, AL, USA
### Program

**Wednesday, July 30, 2014**

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<td>2:15 PM – 2:40 PM</td>
<td>The Insiders View of a Regulated Market</td>
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<td>Mitra Mahdavi-Mazdeh, MD</td>
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<td>Director of Iranian Tissue Bank Research &amp; Preparation Center</td>
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<td>Tehran University of Medical Sciences</td>
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<td>2:45 PM – 3:10 PM</td>
<td>Tackling Transplant Tourism: What Will Work?</td>
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<td>Frederike Ambagtsheer, MSc, LL.M</td>
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<td>Erasmus MC University Hospital</td>
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<td>Rotterdam, The Netherlands</td>
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<td>Q/A Discussion</td>
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<td>Regulation: Proposed Standards for An Acceptable System</td>
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<td>Arthur Matas, MD</td>
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<td>University of Minnesota</td>
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**Preparing for the New Kidney Allocation Policy**

*Moderators: Richard Formica, Jr., MD, Associate Professor of Medicine and Surgery, Yale University School of Medicine, New Haven, CT, USA and Mark Aeder, MD, Associate Professor of Surgery, Case Western Reserve University, Cleveland, OH, USA*

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<td>Myths and Realities of KDPI and EPTS</td>
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<td>Darren Stewart, MS</td>
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<td>Biostatistician</td>
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<td>UNOS Research Department</td>
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<td>Understanding the Upcoming Changes in Kidney Allocations</td>
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<td>Mark Aeder, MD</td>
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<td>Associate Professor of Surgery</td>
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**COFFEE BREAK**

3:45 PM – 4:00 PM

**CONCURRENT ABSTRACT SESSIONS**

4:00 PM – 5:30 PM

71. Vascularized Composite Allografts

72. Liver: MELD, Allocation and Donor Issues (DCD/ECD)

73. Public Policy and Regulatory Oversight II

74. Outcomes of Old and New AMR Therapies

75. Long-term Outcomes in Kidney Transplantation

76. Impact of Pre-transplant Donor Specific Antibodies in Kidney Transplantation

77. Risk Assessment and Outcomes Post Liver Transplantation

78. Kidney Paired Donation

79. Ischemia Reperfusion Injury Liver and Small Bowel

80. Stem Cells and Cellular Therapies

81. Use of Old, Young and Marginal Deceased Donor Kidneys

82. Cardiovascular Complications in Kidney Transplantation II

83. Biomarkers and Immune Monitoring II

84. Surgical Aspects in Living Kidney Donation

**POSTER SESSION IV**

5:30 PM – 6:30 PM
Thursday, July 31, 2014

SUNRISE SYMPOSIA
7:00 AM – 8:15 AM

Immune Memory and Heterologous Immunity

Tracks:

Moderators: Andrew Bushell, BSc., D. Phil., Senior Post Doctoral Fellow and Research Lecturer, University of Oxford, Oxford, United Kingdom and Maria Luisa Alegre, MD, PhD, Professor, University of Chicago, Chicago, IL, USA

7:00 AM – 7:20 AM  Adoptive Cell Therapy With CD8 Virus Specific T-Cells
Petra Reinke, MD
Professor, Dr. of Medicine
Charité-Universitätsmedizin Berlin
Berlin, Germany

7:20 AM – 7:25 AM  Q/A Discussion

7:25 AM – 7:45 AM  New Approaches to Deal With Heterologous Immunity
Mandy Ford, PhD
Assistant Professor
Emory University
Atlanta, GA, USA

7:45 AM – 7:50 AM  Q/A Discussion

7:50 AM – 8:10 AM  Endogenous Memory CD8 T-Cell Rejection of Allografts
Robert Fairchild, PhD
Professor of Molecular Medicine
Cleveland Clinic Foundation
Cleveland, OH, USA

8:10 AM – 8:15 AM  Q/A Discussion

Optimizing Islet Isolation: Current Challenges and Future Strategies

Tracks:

Moderators: James Shapiro, MD, PhD, FRC, University of Alberta Hospital, Edmonton, AB, Canada and Annika Tibell, MD, Associate Professor, Karolinska University Hospital, Stockholm, Huddinge, Sweden

7:00 AM – 7:20 AM  Novel Approaches to Pancreas Preservation Prior to Islet Isolation
Klearchos Papas, PhD
Professor of Surgery
University of Arizona
Tucson, AZ, USA

7:20 AM – 7:25 AM  Q/A Discussion

7:25 AM – 7:45 AM  Understanding the Molecular Structure of the Pancreatic Matrix – Implications for the Development of Targetted Enzyme Blends
Paul R.V. Johnson
Director of Oxford Islet Transplant Program and Chair of Paediatric Surgery
University of Oxford
Oxford, United Kingdom

7:45 AM – 7:50 AM  Q/A Discussion

7:50 AM – 8:10 AM  Novel Approaches to Pancreas Digestion – Is Enzymatic Digestion Really the Best Way
Olle Korsgren
Professor
Uppsala University
Uppsala, Sweden

8:10 AM – 8:15 AM  Q/A Discussion
Program

Thursday, July 31, 2014

Genetic Engineering in Xenotransplantation

Tracks:

Moderators: David Cooper, MD, PhD, Professor of Surgery, University of Pittsburgh – Thomas E. Starzl Transplant Institute, Pittsburgh, PA, USA and Joseph Tector, MD, PhD, Indiana University School of Medicine, Indianapolis, IN, USA

7:00 AM – 7:20 AM Pig Genetic Engineering for Xenotransplantation
David Ayares, PhD
Executive Vice President
Revivicor, Inc
Blacksburg, VA, USA

7:20 AM – 7:25 AM Q/A Discussion

7:25 AM – 7:45 AM Human CD47 Transgenic Pigs
David H. Sachs, MD
Massachusetts General Hospital
Boston, MA, USA

7:45 AM – 7:50 AM Q/A Discussion

7:50 AM – 8:10 AM The Strategy of Multi-Transgenic Pigs for Successful Xenotransplantation
Peter J. Cowan, PhD
Professor
St. Vincent's Hospital
Melbourne, Australia

8:10 AM – 8:15 AM Q/A Discussion

Liver Allograft Biopsy: What Pathology Can and Cannot Tell You

Tracks:

Moderators: Oyedele A. Adeyi, MD, Assistant Professor of Liver and Transplantation Pathology, University Health Network/University of Toronto, Toronto, ON, Canada and Parmjeet Randhawa, MD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

7:00 AM – 7:20 AM Liver Allograft Biopsy for Cause: Before, During and After the Procedure
Anthony J. Demetris, MD
Professor of Pathology
University of Pittsburgh Medical Center – Montefiore
Pittsburgh, PA, USA

7:20 AM – 7:25 AM Q/A Discussion

7:25 AM – 7:45 AM Liver Biopsy as a Tool for Diagnosing Post-transplant Opportunistic Infections
Parmjeet Randhawa, MD
University of Pittsburgh Medical Center
Pittsburgh, PA, USA

8:10 AM – 8:15 AM Q/A Discussion

New Dimensions in Liver Preservation

Tracks:

Moderators: Antonio Pinna, MD, PhD, Professor of Surgery Transplant Dept., University of Bologna, Bologna, Italy and Jacques Pirene, Professor of Surgery, University Hospitals Leuven, Leuven, Belgium

7:00 AM – 7:20 AM Hypothermic Machine Preservation of the Liver
James Guerrera, MD
Associate Professor of Surgery
Columbia University Medical Center
New York, NY, USA

7:20 AM – 7:25 AM Q/A Discussion

7:25 AM – 7:45 AM Liver Allograft Biopsy for Cause: Before, During and After the Procedure
Anthony J. Demetris, MD
Professor of Pathology
University of Pittsburgh Medical Center – Montefiore
Pittsburgh, PA, USA

8:10 AM – 8:15 AM Q/A Discussion

7:45 AM – 7:50 AM Q/A Discussion

7:50 AM – 8:10 AM Normothermic Machine Preservation of the Liver
Peter Friend, MD
Professor of Transplantation
University of Oxford – Churchill Hospital
Oxford, United Kingdom

8:10 AM – 8:15 AM Q/A Discussion
## Program

### Thursday, July 31, 2014

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<td>Native (Non-transplant) Liver Pathology in the Context of Immunosuppression</td>
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<td>Oyedele A. Adeyi, MD, Assistant Professor of Liver and Transplantation Pathology</td>
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<td>University Health Network/University of Toronto</td>
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<td>Toronto, ON, Canada</td>
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### Ethical Challenges in Living Donation

**Tracks:**

- **Moderators:** Willem Weimar, MD, PhD, Professor, Erasmus Medical Center, Rotterdam, The Netherlands and Linda Wright, MHSc, MSW, Director of Bioethics, Assistant Professor of Surgery, University Health Network, University of Toronto, Toronto, ON, Canada

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<td>Anonymity – Paternalism or Safeguard?</td>
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<td>Nizam Mamode, MB, ChB, MD, FRCS, Reader in Transplant Surgery, Guys Hospital, London, London, United Kingdom</td>
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<td>7:20 AM – 7:25 AM</td>
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<td>7:25 AM – 7:45 AM</td>
<td>Should We Invite Compatible Pairs Into Exchange Programs?</td>
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<td>Marie-Chantal Fortin, MD, Associate Professor, Centre Hospitalier de L'université de Montréal, Montreal, QC, Canada</td>
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<td>Politics, Economics and Transplantation in Developing Countries</td>
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<td>Vivekanand Jha, MD PhD, Professor of Nephrology, Postgraduate Medical Institute, Chandigarh, India</td>
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### Paying for Organs in Controlled and Uncontrolled Settings

**Tracks:**

- **Moderators:** Anantharaman Vathsala, MD, National University of Singapore, Singapore, and John Fung, MD, PhD, Professor of Surgery and Chairman of the Digestive Disease Institute, Cleveland Clinic Foundation, Cleveland, OH, USA

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<td>Monir Moniruzzaman, MD, Professor of Anthropology, Michigan State University, East Lansing, MI, USA</td>
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<td>The Role of $$ in Kidney Transplantation in Iran. Does Government Control of a Financial Reward for Donation Have Positive or Negative Outcomes for Recipients and Donors?</td>
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<td>Nasrollah Ghahramani, MD, Associate Professor of Medicine and Public Health Sciences, Pennsylvania State University, College of Medicine, Hershey, PA, USA</td>
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<td>Financial Consequences When the Transplant Tourist Comes Home</td>
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<td>Jagbir Gill, MD, MPH, Assistant Professor of Medicine, University of British Columbia, Vancouver, BC, Canada</td>
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**How Do We Overcome the Current State of Inertia in Renal Transplantation?**

Moderators: Lorenzo Gallon, MD, Medical Director Transplant Center, Professor of Medicine, Northwestern University, Chicago, IL, USA and Helio Tedesco-Silva, Assistant Professor, Hospital do Rim, Federal University of São Paulo, Sao Paulo, Brazil

7:00 AM – 7:20 AM  When Good is Just Not Good Enough: Identifying and Targeting Those at Risk for Graft Loss
Jeremy Chapman, MD, FACP
Division of Medicine and Cancer
Westmead Hospital
Westmead, Australia

7:00 AM – 7:20 AM  Women as Caregivers in the Field of Transplantation
Lori West, MD, D. Phil
Professor of Pediatrics, Surgery and Immunology
University of Alberta
Edmonton, AB, Canada

7:20 AM – 7:25 AM  Q/A Discussion

7:25 AM – 7:45 AM  Improving Outcomes: Three Clinical Trials I Would Like to See Happen
John Gill, MD, MS
Associate Professor of Medicine
University of British Columbia
Vancouver, BC, Canada

7:25 AM – 7:45 AM  Women as Transplant Patients and Living Donors
Hui-Kim Yap
Professor
National University of Singapore
Singapore, Singapore

7:45 AM – 7:50 AM  Q/A Discussion

7:50 AM – 8:10 AM  Moving the Goal Post - Is It time for Input from Translational Research?
Arthur Matas, MD
Professor of Surgery
University of Minnesota
Minneapolis, MN, USA

7:50 AM – 8:10 AM  Women as Scientists in the Field of Transplantation: An Overview
Anita Chong, PhD
Professor of Surgery
University of Chicago
Chicago, IL, USA

8:10 AM – 8:15 AM  Q/A Discussion

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**Women in Transplantation?**

Tracks:

Moderators: Ifeoma Ulasi, FWACP; M.Sc Clin Research, Professor of Medicine, University of Nigeria, College of Medicine, UNEC, Ituku Ozalla, Nigeria and and Nancy Ascher, MD, PhD, University of California San Francisco, San Francisco, CA, USA

7:00 AM – 7:20 AM  Women as Caregivers in the Field of Transplantation
Lori West, MD, D. Phil
Professor of Pediatrics, Surgery and Immunology
University of Alberta
Edmonton, AB, Canada

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Anita Chong, PhD
Professor of Surgery
University of Chicago
Chicago, IL, USA

8:10 AM – 8:15 AM  Q/A Discussion

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**Featured Speaker**

8:30 AM – 9:00 AM  Are Living Kidney Donors at Increased Long-term Risk?
John Gill, MD, MS
Associate Professor of Medicine
University of British Columbia
Vancouver, BC, Canada

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**PLENARY ABSTRACT SESSIONS**

9:00 AM – 10:00 AM  What’s Hot – What’s New: Basic & Clinical

10:00 AM – 10:25 AM  Basic
Jonathan Bromberg, MD, PhD
Professor of Surgery and Microbiology and Immunology
University of Maryland School of Medicine
Baltimore, MD, USA
Thursday, July 31, 2014

10:25 AM – 10:30 AM  Q/A Discussion

10:30 AM – 10:55 AM  Clinical
Pierre Clavien, MD, PhD
Professor and Chairman
University Hospital Zurich
Zurich, Switzerland

10:55 AM – 11:00 AM  Q/A Discussion

COFFEE BREAK
11:00 AM – 11:15 AM

CONCURRENT ABSTRACT SESSIONS
11:15 AM – 12:45 PM
85. Surgical Techniques
86. Omics and Immune Monitoring
87. Gaining the Upper Hand: Viruses in Solid Organ Transplantation
88. Impact of Immunological and Non-Immunological Therapies in the Management and Prevention of De Novo DSA
89. Health Economics of Transplantation
90. Innate Immunity
91. Tolerance: Clinical Studies
92. Kidney: Acute Cellular Rejection
93. Recipient Well-being and Functional Status II
94. Stem Cells and Regenerative Medicine
95. Kidney: Living Donor
96. Minimization/Avoidance Protocols in Kidney Transplantation III
97. Pediatric Kidney Transplant
98. Donors with Poor Terminal Function