AMERICAN TRANSPLANT CONGRESS

Seattle, WA • May 18-22, 2013

WASHINGTON STATE CONVENTION & TRADE CENTER

WWW.ATCMEETING.ORG

Pre-Meeting Symposia • Saturday, May 18, 2013
ATC Annual Meeting • Saturday May 18 – Wednesday, May 22, 2013
Exhibits • Saturday, May 18 – Monday, May 20, 2013
The American Society of Transplant Surgeons (ASTS) and the American Society of Transplantation (AST) are pleased to invite you to the 2013 American Transplant Congress (ATC) -- the thirteenth annual American meeting.

Brimming with the latest clinical and basic research and unique educational opportunities, ATC offers unparalleled opportunities for learning, sharing ideas, and interacting with colleagues. This year the Congress returns to Seattle, WA and the Washington State Convention Center. Conveniently located in the heart of downtown Seattle, the venue features easy access to convention hotels and the natural beauty of Puget Sound and the magnificent Olympic mountains, including Mount Rainer.

This year’s program features exciting new formats and changes:

- **Saturday pre-meeting symposia** now start at 1:00 pm to accommodate morning arrivals into Seattle. These specially designed symposia provide an in-depth experience into a single topic.
- For those looking for an interactive program with ample time for comments and discussion, try the luncheon workshops, led by experts in the field.
- Completely new for 2013, “sunset” symposia include two concurrent basic science sessions Sunday evening from 6:30 to 7:45 pm.
- Choose from a broad selection of focused concurrent symposia following the morning joint plenary sessions on Sunday – Tuesday.
- Afternoon sessions, specialized symposia, and the popular “Transplantation in Depth” are now complemented by concurrent abstract sessions.
- Join friends and colleagues on Tuesday, May 21, for a very special “ATC night out.” This fun-filled and popular event has been moved into the Sheraton Seattle Hotel to make it easy to attend.
- “Innovators in Transplantation” session: To celebrate the creativity and commitment of individual leaders in the field, a special session will take place with presentations by ‘giants’ in the field. Their work will be used as a model to understand how progress occurs and to motivate and inform the next wave of advances.
- Be sure to stay until the end! Following the ‘Innovators’ session, the meeting wraps up with “What’s Hot, What’s New”, highlighting some of the most exciting work presented at ATC.

ATC is unmatched in breadth of educational programs, reports of the most significant research results, and the opportunity to network with other transplant professionals. Please join us for what promises to be a fantastic meeting framed by the natural beauty of Seattle and the Pacific Northwest.
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Committees & Staff

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How to Use This Interactive PDF

**THIS PDF CONTAINS INTERACTIVE NAVIGATION**

Please click buttons to navigate between different sections of content, and click hyperlinks to open a browser window to the indicated website page. Further information about the ATC program can be retrieved from the official website, [http://2013.atcmeeting.org/](http://2013.atcmeeting.org/)

* Please note that interactive features may not display/be available on all devices.

** Interactive elements will not display upon printing.

- Clicking hyperlinks will open a browser window to the indicated page.
- Clicking a green button on this panel will navigate to a topic within the currently viewed section.
- Click one of the four buttons above to navigate to a specific section of content within this program.
- In the program section, clicking a red icon will advance the view to the next session in that specific track of presentations.
- Clicking the left and right arrows will advance between adjacent pages of this program.
- Click this button to open a browser window to the ATC Registration website.
- Clicking the left and right arrows will advance between adjacent pages of this program.

**KIDNEY**
**IMMUNOLOGY**
**ALLIED HEALTH**
**BASIC PHARMACY**
**IMMUNOSUPPRESSION**
**CLINICAL**
**HEART**
**INFECTIOUS DISEASE**
Abstracts selected for ATC will be presented in plenary, concurrent and poster sessions that will highlight the most outstanding papers from all transplant specialties. Notification of acceptance of these papers will be sent in early February, 2013.

All accepted abstracts will be published in the official ATC program book, a supplement to the joint ASTS/AST journal, American Journal of Transplantation (AJT). The supplement will be mailed to all AJT subscribers prior to the meeting. All abstracts selected for presentation and the final program will be available online through the ATC website, www.atcmeeting.org, by April 4, 2013.

Abstract Embargo

In compliance with the Securities and Exchange Commission’s Regulation FD (Fair Disclosure), the accepted abstracts are made available to the public on the ATC website and are published in a special supplement of American Journal of Transplantation (AJT) in advance of the meeting. Thus, the first release of the abstracts is a public release. Coverage of additional research being presented at the annual meeting is under embargo until the date of presentation.

Academic institutions, private organizations, and companies with products whose value may be influenced by information contained in an abstract may issue a press release to coincide with the availability of an abstract. However, the ATC continues to require information that goes beyond that contained within the abstract, e.g., discussion of the abstract done as part of a scientific presentation, is to be embargoed until the start of the scientific sessions. Violation of this policy may result in the abstract being withdrawn from the meeting and other measures deemed appropriate. Journalists failing to abide by the embargo may have their press credentials revoked.

Program Information

Pre-Meeting Symposia

The Pre-Meeting symposia courses have been planned and developed as afternoon courses. The planning committee has selected specialized topics that will appeal to all specialists in the field of transplantation science and medicine.

Registration for these courses is separate from the annual meeting. One registration fee will allow you to attend any course.

Sunrise Symposia

Concurrent Sunrise Symposia are 7:00 am – 8:15 am on Sunday, May 19 through Wednesday, May 22. These are single-topic symposia that are open to all registrants of ATC. A continental breakfast will be provided each morning.

Workshop Sessions

Sunday and Tuesday’s Workshop sessions are provided for attendees looking for networking opportunities in a smaller group atmosphere. These limited attendance sessions are moderated by experts in the field and allow attendees the opportunity for a small interactive discussion on a specific topic of interest. Tickets must be purchased in advance at an additional fee. Lunch is available in the workshop meeting room.

Exhibits

The exhibits are an integral part of the complete educational experience and will feature the latest in technology and research in the field of transplantation medicine. The exhibits will be located on Level 4 of the Washington State Convention Center in Exhibit Hall E and F. All ATC attendees will receive detailed information about the exhibits in the final program. You are encouraged to check the schedule of activities for exhibit hours so you can take full advantage of ATC 2013’s exhibits.
ACCREDITATION
This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the American Society of Transplant Surgeons and the American Society of Transplantation. The American Society of Transplant Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The ASTS designates this live activity for a maximum of 36 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

TRANSPANT COORDINATORS
Category 1 Continuing Education Points for Transplant Coordinators (CEPTCs) have been applied for through the American Board for Transplant Certification (ABTC).

PHARMACISTS
This activity is eligible for ACPE credit, details will be posted online in April 2013.

NURSES
Continuing nursing education credit available; details will be posted online in April 2013.

HOTEL AND TRAVEL INFORMATION
Make your hotel reservation by visiting atcmeeting.org.

AIR TRAVEL
The ATC has designated Crystal Travel Management Company as their official travel agent for the Congress.

To make a flight reservation, contact Sean Kelly at Crystal Travel Management Company at 1-888-327-2862 or via email at sean@crystaltravel.biz.

To obtain the most competitive rates, please refer to the ATC meeting when making your reservations. Fare restrictions and cancellations penalties may apply to your travel. Be sure to book your flight reservations well in advance to receive the best rates and to have the agent advise you of an applicable restrictions.

www.atcmeeting.org

INTERNATIONAL TRAVELERS
All visitors to the United States must have a valid passport. Please go to www.UnitedStatesVisas.gov for the official source of information about US visa policy and procedures. Use this site to learn about the visa application process, understand current requirements and get updates on recent developments.

This site serves as a single point of access to US visa information. It will connect you to additional in-depth information found on websites managed by the US State Department and the US Department of Homeland Security.

We also recommend you to check the validity of your passport for entering the United States. Official letters of invitation will be available to those who have paid and registered for the meeting. Once registered you will have the option to request a Visa invitation letter.

Note: As of June 26, 2005, all persons traveling under the Visa Waiver Program must present a machine-readable passport for visa-free travel to the US. People with immediate travel plans who are unable to obtain a machine-readable passport in time may apply for a US visa at a US consulate or embassy abroad.
Registration Information

The ASTS and AST offer a discounted registration fee if you register by April 17, 2013. Registration forms, including complete payment, must be received by this date to qualify for the early registration discount. Early registration is strongly recommended for those who wish to ensure their choice for workshop tickets. Additionally, early registration ensures timely processing of your registration and helps avoid lengthy on-site lines. The early registration fees are considerably lower than on-site fees due to the increased costs for on-site registration including equipment, staff and set-up.

Refund Policy

Requests for refunds must be submitted via email to astagliano@atcmeeting.org by May 7, 2013 to be eligible for reimbursement. There will be a $75 processing fee for all refunds. Refunds will not be processed until after the meeting. Refund requests after May 7, 2013, will not be honored. There are no refunds for ticketed or social events.

If you register under the incorrect registration category, there will be a $75 processing fee to alter your registration. Please make sure you have carefully reviewed the Registration Types online at http://2013.atcmeeting.org/registration-types before you register. Requests to change a registration category must be submitted via email to astagliano@atcmeeting.org by May 7, 2013. We are not able to change your registration type after this date.

Online Registration

Registration may be submitted only via the ATC website, www.atcmeeting.org. Registrations submitted online are not considered complete until processed.

Insurance

Registration for the ATC implies that the delegate agrees that neither the ASTS nor AST assume any liability or responsibility whatsoever. Congress delegates are requested to make their own arrangements for medical, travel and personal insurance.

Cancellation of the Congress

In the event the ATC is abbreviated or cancelled because of fire, explosion, strike, freight embargo, epidemic, catastrophe, act of God, or the act of a public enemy or official thereof, the ASTS or AST reserve the right, in its sole discretion, to unilaterally terminate the Congress. In such cases, the registrant hereby agrees to waive any claim he, she or it may have against the ATC for damages or compensation including, but not limited to, fees for registration, housing, airfare and incidental charges.

Press

Press may register for the meeting free of charge as Press. Online registration is now available for press. If you register online, your registration will be pending until your press credentials have been verified. Credentialed media have access to all general sessions including, plenary, poster discussion and concurrent sessions. Access (registration) to ticketed events with limited enrollment such as early morning workshops is restricted to ticket holders only. Registration to the Pre-Meeting symposia is not included in the press registration and you should register and pay separately for these events. The ATC reserves the right to restrict attendance at any session. Press are required to check in at the on-site press room (please carry your media press credential in order to receive a Press Pass). The Press Room will be open beginning Saturday, May 18, 2013—hours and location will be posted in the final meeting program and onsite. The official ATC Press Relations contact is Linda Woody, 856-439-0500, Lwoody@ahint.com.

ADA Statement

ADA accommodations will be made in accordance with the law. If you require ADA accommodations, please indicate what your needs are at the time of registration. We cannot ensure the availability of appropriate accommodations without prior notification.
WHO SHOULD ATTEND
This meeting is designed for physicians, surgeons, scientists, nurses, organ procurement personnel, and pharmacists who are interested in the clinical and research aspects of solid organ and tissue transplantation.

OVERVIEW OF THE AMERICAN TRANSPLANT CONGRESS (ATC)

• To provide a forum for exchange of new scientific and clinical information relevant to solid organ and tissue transplantation.
• To create an arena for the interchange of ideas regarding care and management of organ and tissue transplant recipients.
• To facilitate discussions of socioeconomic, ethical, and regulatory issues related to solid organ and tissue transplantation.

A variety of formats are planned that will encourage the exchange of new scientific and clinical information and support an interchange of opinions regarding care and management issues, as well as socioeconomic, ethical and regulatory issues relevant to organ and tissue transplantation.

Scientific material will be presented through symposia, oral abstracts, concurrent workshops, and poster presentations as well as small group sessions designed for in-depth exploration of both clinical and basic science topics.

SATURDAY, MAY 18

1:00 PM – 5:30 PM  Pre-Meeting Symposia
5:30 PM – 7:30 PM  Opening Reception, Exhibits, Poster Session I

SUNDAY, MAY 19

7:00 AM – 8:15 AM  Sunrise Symposia
8:15 AM – 8:30 AM  Break
8:30 AM – 9:45 AM  Joint Plenary
9:45 AM – 10:00 AM  AST Lifetime Achievement Awards
10:00 AM – 10:15 AM  ASTS Lifetime Achievement Awards
10:15 AM – 11:00 AM  State-of-the-Art Address
11:00 AM – 12:30 PM  Coffee Break
11:00 AM – 12:00 PM  Meet-the-Expert – Keynote Speaker
12:30 PM – 12:45 PM  Midday Symposia
12:45 PM – 2:00 PM  Luncheon Workshops
2:00 PM – 2:15 PM  Break
2:15 PM – 3:45 PM  Concurrent Abstract Sessions
3:45 PM – 4:00 PM  Break
4:00 PM – 5:00 PM  Concurrent Abstract Sessions
5:00 PM – 5:30 PM  Poster Session II
### Meeting at a Glance

**Monday, May 20**

- 7:00 AM – 8:15 AM: Sunrise Symposia
- 8:15 AM – 8:30 AM: Break
- 8:30 AM – 9:30 AM: Joint Plenary
- 9:30 AM – 9:45 AM: AST Awards
- 9:45 AM – 10:15 AM: AST Presidential Address
- 10:15 AM – 11:00 AM: Coffee Break
- 11:00 AM – 12:30 PM: Midday Symposia
- 11:00 AM – 12:00 PM: Meet-the-Expert – Keynote Speaker
- 12:30 PM – 2:15 PM: Break
- 2:15 PM – 3:45 PM: Concurrent Abstract Sessions
- 2:15 PM – 5:15 PM: Transplantation in Depth: Basic
- 2:15 PM – 5:30 PM: New Frontiers in Pediatric Transplantation
- 2:15 PM – 5:30 PM: Allied Health Symposium II
- 3:45 PM – 4:00 PM: Break
- 4:00 PM – 5:30 PM: Concurrent Abstract Sessions
- 5:30 PM – 6:30 PM: Poster Session III
- 5:45 PM – 7:00 PM: AST Business Meeting

**Tuesday, May 21**

- 7:00 AM – 8:15 AM: Sunrise Symposia
- 8:15 AM – 8:30 AM: Break
- 8:30 AM – 9:15 AM: Joint Plenary
- 9:15 AM – 9:30 AM: ASTS Awards
- 9:30 AM – 10:00 AM: ASTS Presidential Address
- 10:00 AM – 10:15 AM: Break
- 10:15 AM – 11:00 AM: Controversies in Transplantation: Debates
- 11:00 AM – 11:15 AM: Coffee Break
- 11:15 AM – 12:45 PM: Midday Symposia
- 12:45 PM – 1:00 PM: Break
- 1:00 PM – 2:00 PM: Luncheon Workshops
- 2:00 PM – 2:15 PM: Break
- 2:15 PM – 3:45 PM: Concurrent Abstract Sessions
- 2:15 PM – 5:00 PM: Allied Health Symposium III
- 2:15 PM – 5:00 PM: Thoracic Allocation in the US and Europe
- 3:45 PM – 4:00 PM: Break
- 4:00 PM – 5:30 PM: Concurrent Abstract Sessions
- 4:00 PM – 5:30 PM: Poster Session IV
- 5:30 PM – 6:30 PM: ASTS Business Meeting
- 6:00 PM – 7:00 PM: ATC Night Out
### Meeting at a Glance

#### WEDNESDAY, MAY 22

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 AM – 8:15 AM</td>
<td>Sunrise Symposia</td>
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<td>8:15 AM – 8:30 AM</td>
<td>Break</td>
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<tr>
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<td>Innovators in Transplantation</td>
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<td>11:30 AM – 12:30 PM</td>
<td>Lunch Break</td>
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<td>12:30 PM – 1:30 PM</td>
<td>Joint Plenary</td>
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<td>1:30 PM – 1:45 PM</td>
<td>Break</td>
</tr>
<tr>
<td>1:45 PM – 2:45 PM</td>
<td>What's Hot, What's New</td>
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</tbody>
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PRE-MEETING SYMPOSIA

1:00 PM – 5:30 PM

Medical Care of the Kidney Transplant Recipient

1:00 PM – 1:25 PM
Should We Screen for Common Cancers Post-Transplant?
Angela Webster, MBBS, MM(Clin Epi), PhD, FRCP and FRACP
Associate Professor
Centre for Transplant and Renal Research, Westmead Hospital
Sydney, Australia

1:25 PM – 1:50 PM
Post-Transplantation Obesity: Is Surgical Management Preferred over Medical Therapy?
Michelle A. Josephson, MD
Professor of Medicine
University of Chicago
Chicago, IL

1:50 PM – 2:15 PM
Post-Transplant Hypertension: Should ACE-Inhibitors Be the Treatment of Choice?
Bertram Kasiske, MD
Professor of Medicine, University of Minnesota
Hennepin County Medical Center
Minneapolis, MN

2:15 PM – 2:40 PM
Hyperuricemia Post-Transplantation: Should Everyone Be Treated?
G. V. Ramesh Prasad, MBBS, FRCP
Associate Professor of Medicine
University of Toronto
Toronto, Canada

2:40 PM – 3:05 PM
Immunization Post-Transplantation: What is Necessary and What is Safe?
Camille Kotton, MD
Associate Professor
Clinical Director, Transplant Infectious Disease
General Massachusetts Hospital
Boston, MA

3:05 PM – 3:15 PM
Break

Breakout #1: Physician: Keeping the Kidney Allograft Alive

Moderators: Donald Hricik, MD, Professor of Medicine, Case Western Reserve University, Cleveland, OH and Robert Gaston, MD, Endowed Professor of Transplant Nephrology, University of Alabama at Birmingham, Birmingham, AL

3:15 PM – 3:40 PM
DSA Late Post-Transplant: Should We Measure It and Do We Need to Treat it?
Peter Nickerson, MD
Professor, Internal Medicine and Immunology
University of Manitoba
Winnipeg, Canada

ALSO:

ATC Committees & Staff

Category 1 Continuing Education Points for Transplant Coordinators (CEPTCs) have been applied for through the American Board for Transplant Certification (ABTC).

Pharmacists:
This activity is eligible for ACPE credit, see www.atcmeeting.org for more details.

Nurses:
Continuing nursing education credit available; see www.atcmeeting.org for more details.
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Pharmacists: This activity is eligible for ACPE credit, see www.atcmeeting.org for more details.

Nurses: Continuing nursing education credit available; see www.atcmeeting.org for more details.
Breakout #3: Pharmacy: Primary Care Issues in Transplantation:
What Makes the Transplant Patient Unique?
Moderators: Steve Gabardi, PharmD, FCCP, BCPS, Abdominal Organ Transplant Clinical Specialist, Brigham & Women's Hospital, Boston, MA and Angela Maldonado, PharmD, BCPS, Clinical Associate Professor/Kidney Transplant Pharmacist, Washington State University/Providence Sacred Heart Medical Center, Spokane, WA

3:15 PM – 3:40 PM
Hyperlipidemia: Best Practices for Managing the Transplant Recipient's Cardiovascular Risk
Lyndsey Bowman, PharmD
Clinical Pharmacist, Abdominal Organ Transplantation
Barnes-Jewish Hospital
Saint Louis, MO

3:40 PM – 4:05 PM
Diabetes in the Transplant Recipient
Barbara Weis, MSN, NP
Senior Instructor
University of Colorado Health Sciences Center
Golden, CO

4:05 PM – 4:30 PM
Nutritional Supplements and Vitamins Post-Transplant—Are They Needed or Safe?
Anne Marie Rivard, DNP
Registered Dietician
Yale-New Haven Hospital
New Haven, CT

4:30 PM – 4:55 PM
Strategies to Reduce Medication Cost: A Focus on the Purse
Lisa Potter, PharmD
Clinical Coordinator, Organ Transplantation
University of Chicago Medicine
Chicago, IL

1:00 PM – 5:30 PM
Research Using Secondary Data: Not as Simple as You Might Think
Moderators: Amit Mathur, MD, Clinical Lecturer, University of Michigan, Ann Arbor, MI, and Chris Simpkins, MD, MPH, Dartmouth Hitchcock Medical Center, Lebanon, NH

1:00 PM – 1:30 PM
A Look Inside the SRTR Data
Jon Snyder, PhD
Director, Transplant Epidemiology
Minneapolis Medical Research Foundation
Minneapolis, MN

1:30 PM – 2:00 PM
USRDS and Medicare Claims Data
John Gill, MD, MS
Associate Professor of Medicine
University of British Columbia
Vancouver, Canada
Program  Saturday, May 18, 2013

2:00 PM – 2:30 PM  Pharmacy Claims and Other Novel Data Sources
Krista Lentine, MD
Associate Professor of Medicine
Saint Louis University
Saint Louis, MO

2:30 PM – 3:00 PM  Statistical Pitfalls in Transplant Registry Studies
Allan Massie, PhD
Instructor
John Hopkins University
Baltimore, MD

3:00 PM – 3:15 PM  Q/A Panel

3:15 PM – 3:30 PM  Break

4:00 PM – 4:30 PM  Feasibility, Recruitment, Retention, and Logistics
E. Steve Woodle, MD
Professor, Director of Transplant Surgery
University of Cincinnati College of Medicine
Cincinnati, OH

4:30 PM – 5:00 PM  Getting Funding for Human Subjects Research
Robert M. Merion, MD
Professor of Surgery
University of Michigan
Ann Arbor, MI

5:00 PM – 5:30 PM  Getting Your Research Published
Allan Kirk, MD, PhD
Professor of Surgery and Pediatrics
Emory University
Atlanta, GA

Human Subjects Research: Expensive and Logistically Complex
Moderators: Elizabeth Anne Pomfret, MD, PhD, FACS, Professor of Surgery, Tufts University, Chair,
Department of Transplantation & HPB, Lahey Clinic Medical Center, Burlington, MA, and Arthur Matas, MD, Professor of Surgery, University of Minnesota, Minneapolis, MN

3:30 PM – 4:00 PM  Designing Randomized and Nonrandomized Human Subjects Studies
Joseph Kim, MD, PhD, MHS, FRCP
Assistant Professor of Medicine
Transplant Nephrologist
Toronto, Canada

3:00 PM – 3:15 PM  Designing Randomized and Nonrandomized Human Subjects Studies
Joseph Kim, MD, PhD, MHS, FRCP
Assistant Professor of Medicine
Transplant Nephrologist
Toronto, Canada

3:15 PM – 3:30 PM  Break

TRANSLANT INFECTION DISEASES

An Overview For The Transplant Clinician
Moderators: Emily Blumberg, MD, Professor of Medicine, Perelman School of Medicine of the University of Pennsylvania, Philadelphia, PA, and Natasha Halasa, MD, MPH, Associate Professor, Vanderbilt University, Nashville, TN

1:00 PM – 1:30 PM  EBV and PTLD
Thomas Gross, MD, PhD
Professor, Pediatrics
The Ohio State University
Lewis Center, OH

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Pharmacists: This activity is eligible for ACPE credit, see www.atcmeeting.org for more details.
Nurses: Continuing nursing education credit available; see www.atcmeeting.org for more details.
1:30 PM – 2:00 PM  Optimizing Pediatric Vaccination  
Lara Danziger-Isakov, MD, MPH  
Associate Professor  
Cincinnati Children's Hospital Medical Center  
Cincinnati, OH

2:00 PM – 2:30 PM  The Impact of Respiratory Viral Infections in Lung Recipients  
Eric Cober, MD  
Associate Professor of Medicine  
Cleveland Clinic Foundation  
Cleveland, OH

2:30 PM – 3:00 PM  Infection Control & Solid Organ Transplantation  
Catherine Liu, MD  
Assistant Professor, Division of Infectious Diseases  
University of California- San Francisco  
San Francisco, CA

3:00 PM – 3:15 PM  Break

3:15 PM – 3:45 PM  Preparing Your Patient for Transplantation - ID Perspectives  
Steven Mawhorter, MD  
Professor of Medicine  
Cleveland Clinic  
Cleveland, OH

3:45 PM – 4:15 PM  Gastrointestinal Infections Post-Transplant  
Diana Florescu, MD  
Professor  
University of Nebraska Medical Center  
Omaha, NE

4:15 PM – 4:45 PM  Management of UTIs in Transplant Patients  
Kathleen Julian, MD  
Associate Professor of Medicine  
Division of Infectious Diseases, Penn State Hershey Medical Center  
Hershey, PA

4:45 PM – 5:15 PM  Polyoma Infections in Transplantation: BKVN and PML and Malignancies?  
Cinthia Drachenberg, MD  
Professor of Pathology  
University of Maryland School of Medicine  
Baltimore, MD

Basic Immunology and Transplant Immunology for the Clinician

Moderators: William Baldwin, MD, PhD, Staff Immunology, Cleveland Clinic Main Campus, Lerner Research Institute, Cleveland, Ohio and Stefan Tullius, MD, PhD, FACS, Chief, Division of Transplant Surgery; Associate Professor of Surgery, Brigham and Women's Hospital, Boston, MA

1:00 PM – 1:15 PM  Overview-What Does an Immune Response Look Like, Start to Finish  
Robert Fairchild, PhD  
Professor of Molecular Medicine  
Cleveland Clinic  
Cleveland, OH

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Pharmacists: This activity is eligible for ACPE credit, see www.atcmeeting.org for more details.

Nurses: Continuing nursing education credit available; see www.atcmeeting.org for more details.
1:15 PM – 1:45 PM  Ischemia-Reperfusion Injury, Clinical Impact and Mechanisms of Injury
Stefan Tullius, MD, PhD, FACS
Chief, Division of Transplant Surgery; Associate Professor of Surgery
Brigham and Women's Hospital
Boston, MA

1:45 PM – 2:15 PM  Innate Immunity and Its Role in Allograft Rejection
Fadi Lakkis, MD
Frank & Athena Sarris Chair in Transplantation Biology
University of Pittsburgh/Starzl Transplant Institute
Pittsburgh, PA

2:15 PM – 2:45 PM  Development of Donor-Reactive T Cell Responses
Melissa Yeung, MD
Instructor in Medicine
Brigham & Women's Hospital
Boston, MA

2:45 PM – 3:15 PM  Cell Mediated Rejection; Effector Mechanisms, Injury and Consequence
Jonathan Bromberg, MD, PhD
Professor of Surgery and Microbiology and Immunology
University of Maryland School of Medicine
Baltimore, MD

3:15 PM – 3:30 PM  Break

3:30 PM – 4:00 PM  Antibody Mediated Effector Mechanisms and Rejection
William Baldwin, MD, PhD
Staff, Immunology
Cleveland Clinic Main Campus, Lerner Research Institute
Cleveland, OH

4:00 PM – 4:30 PM  Memory and Consequences in Graft Outcome
Andrew Adams, MD, PhD
Assistant Professor of Surgery
Emory University
Atlanta, GA

4:30 PM – 5:00 PM  Cell-Mediated Regulation in Allograft Recipients
David Rothstein, MD
Professor of Surgery, Medicine and Immunology
Thomas E. Starzl Transplant Institute
Pittsburgh, PA

5:00 PM – 5:30 PM  Tolerance Strategies Go into the Patient
Kenneth Newell, MD, PhD
Professor of Surgery
Emory University School of Medicine
Atlanta, GA

Advanced Immunology Updates for Basic and Clinical Scientists
Moderators: Jonathan Maltzman, MD, PhD, Assistant Professor, University of PA, Renal-Electrolyte & Hypertension Division, Philadelphia, PA and Anna Valujskikh, PhD, Associate Staff, The Cleveland Clinic, Cleveland, OH

1:00 PM – 1:30 PM  DAMPs
Bernd Schroppel, MD
Assistant Professor
Mount Sinai School of Medicine
New York, NY
1:30 PM – 2:00 PM  
**Functional Development of Th1, 2, 9 and 17**  
William J. Burlingham, PhD  
Professor of Division of Transplantation  
University of Wisconsin  
Madison, WI

2:00 PM – 2:30 PM  
**Update on Tregs**  
Maria-Luisa Alegre, MD, PhD  
Professor  
The University of Chicago  
Chicago, IL

2:30 PM – 3:00 PM  
**Update on B cell Populations and Activation**  
Anna Valujskikh, PhD  
Associate Staff  
The Cleveland Clinic  
Cleveland, OH

3:00 PM – 3:15 PM  
**Break**

3:15 PM – 3:45 PM  
**Update on Positive and Negative Costimulatory Pathways**  
Nader Najafian, MD  
Assistant Professor  
Transplant Research Center  
Boston, MA

3:45 PM – 4:15 PM  
**Update on T cell Signaling Pathways and New Intracellular Targets for Drugs in Transplantation**  
Jonathan Maltzman, MD, PhD  
Assistant Professor  
University of PA, Renal-Electrolyte & Hypertension Division  
Philadelphia, PA

4:15 PM – 5:15 PM  
**Top 10 Immunology Papers of the Year – Panel**

5:30 PM - 7:30 PM  
**Opening Reception, Exhibits, and Poster Session I**

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**Nurses:** Continuing nursing education credit available; see www.atcmeeting.org for more details.
Kidney Paired Donation

Moderators: David Serur, MD, Associate Professor of Clinical Medicine and Surgery, New York Presbyterian Weill Cornell, Englewood, NJ and Sommer Gentry, PhD, Associate Professor of Mathematics, United States Naval Academy, Baltimore, MD

**7:00 AM – 7:15 AM**
**Update on the UNOS KPD Program**
Richard Formica, MD
Associate Professor of Medicine and Surgery/Director of Transplant Medicine
Yale University School of Medicine
New Haven, CT

**7:15 AM – 7:30 AM**
**Findings from a National Consensus Conference**
Marc Melcher, MD
Assistant Professor
Stanford University
Palo Alto, CA

**7:30 AM – 7:45 AM**
**Evolution of a Single-Center KPD Program**
Adam Bingaman, MD, PhD
Director, Live Donor and Incompatible Kidney Transplant Programs
Texas Transplant Institute, Methodist Specialty and Transplant Hospital
San Antonio, TX

**7:45 AM – 8:00 AM**
**Progress Towards a Financial Model for KPD**
Michael Rees, MD, PhD
Professor and Vice-Chair of Urology
University of Toledo Medical Center
Toledo, OH

**8:00 AM – 8:15 AM**
**Panel Q&A Discussion**

Development of Validated Lab Protocols in the CTOT

Moderators: Nancy Bridges, MD, Pediatric Cardiologist, National Institute of Health, Bethesda, MD and Peter Heeger, MD, Professor of Medicine and Immunology, Mount Sinai School of Medicine, New York, NY

**7:00 AM – 7:05 AM**
**Intro**
Peter Heeger, MD
Professor of Medicine and Immunology
Mount Sinai School of Medicine
New York, NY

**7:05 AM – 7:20 AM**
**HLA Ab Monitoring**
Elaine Reed, PhD
Professor of Pathology and Laboratory Medicine
University of California Los Angeles
Los Angeles, CA

**7:20 AM – 7:35 AM**
**Digital Image Analysis/Cross Validation of Pathology**
John Friedewald, MD
Associate Professor of Medicine & Surgery
Northwestern University
Chicago, IL
## Personalized Immunosuppression in Liver Transplant Recipients

### Program Sunday, May 19, 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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</thead>
</table>
| 7:35 AM – 7:50 AM | Flow Cytometry                                                                           | Aneesh Mehta, MD  
Assistant Professor of Medicine  
Emory University School of Medicine  
Atlanta, GA                                                      |
| 7:50 AM – 8:05 AM | QRT/PCR Analysis of Urine and Blood                                                        | Karen Keslar, Ph.D  
Lead Research Technologist  
Cleveland Clinic  
Cleveland, OH                                                  |
| 7:00 AM – 7:25 AM | The Past, Present and Future of Immunosuppression in Liver Transplantation               | John O’Grady, MD  
FRCPI  
Professor  
King's College Hospital  
London, United Kingdom                                        |
| 7:25 AM – 7:50 AM | Tailoring Immunosuppressive Strategies to Minimize Liver Transplant Complications          | James Trotter, MD  
Medical Director of Liver  
Baylor University Medical Center  
Dallas, TX                                                      |
| 7:50 AM – 8:15 AM | Identifying Candidates for Immunosuppression Minimization or Withdrawal: Closing in on Tolerance | Sandy Feng, MD, PhD  
Professor of Surgery  
University of California-San Francisco  
San Francisco, CA                                                  |

### Bench to the Bedside: Epstein-Barr Virus

**Moderators:** Mike Nalesnik, MD, Professor of Pathology, University of Pittsburgh, Pittsburgh, PA and Michael Green, MD, MPH, Professor of Pediatrics, Surgery & Clinical and Translational Science, Children's Hospital of Pittsburgh, Pittsburgh, PA

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<th>Time</th>
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</table>
| 7:00 AM – 7:25 AM | Pathogenesis of PTLD                                                                       | Olivia Martinez, PhD  
Professor  
Stanford University School of Medicine  
Stanford, CA                                                     |
| 7:25 AM – 7:50 AM | Novel Biomarkers to Predict PTLD? Beyond Viral Load                                         | Upton Allen, MBBS, MSc, FAAP  
Professor of Pediatrics  
Chief Division of Infectious Diseases  
University of Toronto  
Toronto, Canada                                                  |
| 7:50 AM – 8:15 AM | State-of-the Art Therapy for PTLD                                                           | Andrew Evens, DO, MS  
Associate Professor  
University of Massachusetts Medical School  
Worcester, MA                                                    |
APOL1/MYH9 in Kidney Transplantation

Moderators: Karl Womer, MD, Associate Professor of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD and Anil K. Chandraker, MD, FRCP, Medical Director, Kidney & Pancreas Transplantation, Brigham & Women's Hospital, Boston, MA

7:00 AM – 7:25 AM  APOL1 and MYH9 Associated End-Stage Renal Disease in African Americans
Martin Pollak, MD
Professor of Medicine, Harvard Medical School
Beth Israel Deaconess Medical Center
Boston, MA

7:25 AM – 7:50 AM  APOL1 Gene Variants in African American Kidney Transplant Recipients and the Impact on Kidney Transplant Outcomes
Belinda Lee, MD
Research Fellow
Brigham and Women's Hospital
Boston, MA

7:50 AM – 8:15 AM  APOL1 Gene Variants in African American Kidney Donors
Barry Freedman, MD
Professor and Chief, Section on Nephrology
Wake Forest School of Medicine
Winston-Salem, NC

Cultural Competency in Transplantation

Moderators: Robert Higgins, MD, MSHA, Executive Director, Comprehensive Transplant Center, The Ohio State University Wexner Medical Center, Columbus, OH and Arturo Hernandez, MD, Staff Physician, Howard University Hospital, Washington, DC

7:00 AM – 7:25 AM  Community-Based Approach: MOTTEP results in African Americans, Hispanic Americans and Asians
Clive Callender, MD, FACS
Professor of Surgery
Howard University Hospital
Washington, DC

7:25 AM – 7:50 AM  Transplant Centered Approach: Northwestern Experience in Hispanic Americans
Juan Caicedo, MD
Assistant Professor of Surgery
Northwestern University, Feinberg School of Medicine
Chicago, IL

7:50 AM – 8:15 AM  Cultural Competency: Clinical
Sharon Ross
Executive Director
Donate Life San Diego
San Diego, CA

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Heart Donor Trends: New Revelations

Moderators: Sean Pinney, MD, Associate Professor of Medicine, Mount Sinai Medical Center, New York, NY and David Baran, MD, Clinical Associate Professor of Medicine, Newark Beth Israel Medical Center, Livingston, NJ

7:00 AM – 7:25 AM  
Selection of Donor Hearts: Does a Marginal Heart Exist?  
Richard Pierson, III, MD  
Senior Associate Dean; Professor of Surgery  
University of Maryland  
Baltimore, MD

7:25 AM – 7:50 AM  
Hormonal Therapy in Thoracic Organ Transplantation: Does it Work?  
Dimitri Novitzky, MD, PhD  
Former Professor of Cardiothoracic Surgery  
University of South Florida  
Miami, FL

7:50 AM – 8:15 AM  
Use of the TransMedics Heart in a Box for Donor Transport: A New Beginning?  
Fardad Esmailian, MD  
Professor of Surgery; Surgical Director, Heart Transplant  
Cedars-Sinai Heart Institute  
Los Angeles, CA

Cellular Xenotransplantation

Moderators: Bernhard Hering, MD, Professor of Surgery of Medicine, Scientific Director, University of Minnesota, Schulze Diabetes Institute, Minneapolis, MN and David Cooper, MD PhD, Professor of Surgery, University of Pittsburgh - Thomas E. Starzl Transplant Institute, Pittsburgh, PA

7:00 AM – 7:25 AM  
Minimizing Immunosuppression in Preclinical Islet Xenotransplantation  
Chung-Gyu Park, MD  
Professor, Director of Department of Microbiology & Immunology  
Seoul National University College of Medicine  
Seoul, Korea

7:25 AM – 7:50 AM  
Xenotransplantation of Encapsulated Hepatocytes  
Leo Buhler, MD  
Associate Professor  
University Hospital of Geneva  
Geneva, Switzerland

7:50 AM – 8:15 AM  
Local Immunosuppression for Protection of Intracerebral Neural Cell Xenotransplants  
Emanuele Cozzi, MD, PhD  
Director, Transplant Immunology Unit  
Padua University Hospital  
Padua, Italy

BREAK

8:15 AM – 8:30 AM
**Joint Plenary**

8:30 AM – 9:45 AM

AST Lifetime Achievement Awards

9:45 AM – 10:00 AM

ASTS Lifetime Achievement Awards

10:00 AM – 10:15 AM

State-of-the-Art Address

10:15 AM – 10:45 AM

**Midday Symposia**

11:00 AM – 12:30 PM

Recognition of Self DNA as an Instigator of Tissue Pathology

**Recognition of Self DNA as an Instigator of Tissue Pathology**

Moderators: Todd Brennan, MD, MS, Assistant Professor of Surgery, Duke University Medical Center, Durham, NC and Donna L. Farber, PhD, Professor of Surgical Sciences, Columbia Center for Translational Immunology, New York, NY

11:00 AM – 11:30 AM

TLR9 signaling by Mitochondrial DNA Mediates Myocarditis and Heart Failure

Kinya Otsu, MD, PhD

Professor of Cardiology

King’s College London

London, United Kingdom

11:30 AM – 12:00 PM

Fatal Inflammation through TLR9 Signaling

Clinton Webb, PhD

Regents’ Professor and Chair

Georgia Regents University

Augusta, GA

12:00 PM – 12:30 PM

Sensing Tissue Damage and Ischemia Through Toll Like Receptors

Tim Billiar, MD

Professor and Chair

University of Pittsburgh

Pittsburgh, PA

**Coffee Break**

10:45 AM – 11:00 AM

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**Toward a Genetic Theory of Infectious Diseases**

Jean-Laurent Casanova, MD, PhD

Professor

Head, St. Giles Laboratory of Human Genetics of Infectious Diseases

The Rockefeller University

New York, NY

**Click Here to Register Now!**
Transcription Factors in the Development of Tolerance
Moderators: Andrew Wells, PhD, Associate Professor, University of Pennsylvania and The Children’s Hospital of Philadelphia, Philadelphia, PA and Jessamyn Bagley, PhD, Assistant Professor, Tufts Medical Center, Boston, MA

11:00 AM – 11:30 AM  Sirtuin Regulation of Peripheral T Cell Tolerance
Deyu Fang, PhD
Associate Professor
Northwestern University
Chicago, IL

11:30 AM – 12:00 PM  C3a Receptor and C5a Receptor Signaling Modulate Regulatory T Cell Induction, Function and Stability
Peter Heeger, MD
Professor of Medicine and Immunology
Mount Sinai School of Medicine
New York, NY

12:00 PM – 12:30 PM  Novel Mechanisms Controlling Treg Function and Stability
Laurence Turka, MD
Professor of Surgery, and Co-Director of the Transplantation Biology Research Center
Massachusetts General Hospital
Boston, MA

Successful Approaches to Expanding Live Donation
Moderators: Connie Davis, MD, Chief Medical Officer, Skagit Regional Health, Mount Vernon, WA and Christie Thomas, MD, Professor of Internal Medicine, University of Iowa Carver College of Medicine, Iowa City, IA

11:00 AM – 11:20 AM   The House Calls Trial
James Rodrigue, PhD
Associate Professor
Beth Israel Deaconess Medical Center
Boston, MA

11:20 AM – 11:40 AM  Exploring Transplant Expanding Live Donor Transplantation Through Education
Amy Waterman, PhD
Associate Professor of Medicine
Washington University School of Medicine
Saint Louis, MO

11:40 AM – 12:00 PM The Live Donor Champion Program - Separating the Patient From the Advocate
Jacqueline Garonzik-Wang, MD, PhD
Surgical Resident
Johns Hopkins University
Baltimore, MD

12:00 PM – 12:20 PM Update on Kidney Paired Donation as Expansion of Live Donor Transplantation
Michael Rees, MD, PhD
Professor and Vice-Chair of Urology
University of Toledo Medical Center
Toledo, OH

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Nurses: Continuing nursing education credit available; see www.atcmeeting.org for more details.
12:20 PM – 12:30 PM  Q & A

How I Do It - Technical Challenges in Liver Transplantation

Moderators: David Cronin II, MD PhD, Professor of Surgery, Medical College of Wisconsin, Milwaukee, WI and Sophocles P. Alexopoulos, MD, Assistant Professor of Clinical Surgery, University of Southern California, Los Angeles, CA

11:00 AM – 11:30 AM  Techniques in Reoperative Liver Transplantation
Abraham Shaked, MD, PhD
Professor of Surgery
University of Pennsylvania
Philadelphia, PA

11:30 AM – 12:00 PM  Techniques in Vascular Reconstruction
Goran Klintmalm, MD, PhD
Chief of Transplantation Services
Baylor University
Dallas, TX

12:00 PM – 12:30 PM  Complex Biliary Reconstructions in Liver Transplantation
Charles Miller, MD
Director of Liver Transplantation
Transplantation Center at Cleveland Clinic Foundation
Cleveland, OH

Improving Deceased Donor Kidney Allocation

Moderators: John Friedewald, MD, Associate Professor of Medicine & Surgery, Northwestern University, Chicago, IL and Blanche Chavers, MD, Professor of Pediatrics, University of Minnesota Pediatric Nephrology, Minneapolis, MN

11:00 AM – 11:30 AM  An Update on the UNOS Kidney Allocation Policy Proposal
Richard Formica, MD
Associate Professor of Medicine and Surgery/Director of Transplant Medicine
Yale University School of Medicine
New Haven, CT

11:30 AM – 12:00 PM  An Equity-Based Approach to Kidney Allocation
Lainie Ross, MD, PhD
Professor
University of Chicago
Chicago, IL

12:00 PM – 12:30 PM  Gaining Extra Life Years Through Kidney Allocation
Alan Leichtman, MD
Professor of Medicine
University of Michigan
Ann Arbor, MI

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Advances in Costimulation Targeting in Transplantation:
From the Bench to the Clinic

Moderators: Thomas Pearson, MD, DPhil, Professor, Emory University, Atlanta, GA and Nader Najafian, MD, Assistant Professor, Transplant Research Center, Boston, MA

11:00 AM – 11:30 AM  Blocking Costimulatory Signals (B7:CD28 and CD40:CD40L)
William Kitchens, MD, PhD
Research Fellow
Emory Transplant Center
Atlanta, GA

11:30 AM – 12:00 PM  Enhancing Inhibitory Signals (PD1:PDL1)
Leonardo Riella, MD, PhD
Associate Physician
Brigham and Women's Hospital, Harvard Medical School
Boston, MA

12:00 PM – 12:30 PM  Promises and Challenges of Costimulation Targeting in the Clinic
Flavio Vincenti, MD
Professor of Clinical Medicine
University of California – San Francisco
San Francisco, CA

Bench to the Bedside: Cytomegalovirus

Moderators: Paul Griffiths, MD, Professor of Virology, University College London, London, United Kingdom and Camille Kotton, MD, Associate Professor, Clinical director, Transplant Infectious Disease, General Massachusetts General Hospital, Boston, MA

11:00 AM – 11:30 AM  CMV Immunology, Evasion and Latency
Mary Hummel, PhD
Research Associate Professor
Northwestern University
Chicago, IL

11:30 AM – 12:00 PM  Immunologic Tools to Predict CMV Risk
Oriol Manuel, MD
Staff Physician
University Hospital of Lausanne, Infectious Diseases Service and Transplantation Center
Lausanne, Switzerland

12:00 PM – 12:30 PM  Novel Prevention and Treatment Strategies for CMV
Atul Humar, MD
Professor, Department of Medicine
University of Alberta
Edmonton, Canada
Cardiovascular Disease in Transplant Recipients:
Selection, Management and Risk Reduction

Moderators: Christopher Blosser, MD, Clinical Assistant Professor Departments of Internal Medicine and Pediatrics, University of Iowa Hospitals and Clinics, Iowa City, IA and Deborah Adey, MD, Professor of Medicine, University of California, Sacramento, CA

11:00 AM – 11:30 AM Cardiovascular Assessment of Patients Prior to Transplant
Bertram Kasiske, MD
Professor of Medicine, University of Minnesota
Hennepin County Medical Center
Minneapolis, MN

11:30 AM – 12:00 PM Post Transplant Follow-up & Management of Patients with Cardiac Disease
Fernando G. Cosio, MD
Internal Medicine Physician
Mayo Clinic Transplant Center
Rochester, MN

12:00 PM – 12:30 PM Exercise Intervention to Improve Cardiovascular Health
Patricia Painter, PhD
Associate Research Faculty
University of Utah
Salt Lake City, UT

Advances in Cardiac Transplantation

Moderators: Randall Starling, MD, MPH, Professor of Medicine, Cleveland Clinic, Cleveland, OH and April Stempien-Otero, MD, Associate Professor of Medicine, University of Washington Medical Center, Seattle, WA

11:00 AM – 11:25 AM Advances in Cardiothoracic Transplantation Tolerance Induction
James S. Allan, MD
Assistant Professor of Surgery
Massachusetts General Hospital
Boston, MA

11:25 AM – 11:50 AM Genomic and Proteomic Biomarkers in Cardiac Transplantation
Bruce McManus, MD, PhD
Professor, Department of Pathology and Laboratory Medicine, UBC
St. Paul's Hospital, University of British Columbia
Vancouver, BC

11:50 AM – 12:15 PM Advances in Immunosuppression after Cardiac Transplantation
Daniel Fishbein, MD
Professor of Medicine
University of Washington Medical Center
Seattle, WA

12:15 AM – 12:30 PM Panel Discussion

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Meet The Expert – Jean Laurent Casanova - Keynote Speaker

11:00 AM – 12:00 PM  
Jean-Laurent Casanova, MD, PhD  
Professor  
Head, St. Giles Laboratory of Human Genetics of Infectious Diseases  
The Rockefeller University  /New York, NY

12:30 PM – 12:45 PM

BREAK

12:45 PM – 2:00 PM

Luncheon Workshops – Ticketed Events

12:45 PM – 2:00 PM

Strategies to Overcome Non-Adherence to Immunosuppression

Sabina De Geest, PhD, RN, Professor of Nursing, University of Basel, Basel, Switzerland and Cynthia Russell, PhD, Professor, University of Missouri-Kansas City, Kansas City, MO

New Onset Diabetes Mellitus after Transplantation: Can We Prevent It?

Harini Chakkara, MD MPH, Assistant Professor, Mayo Clinic Arizona, Phoenix, AZ and Fu Lung Luan, MD, Associate Professor of Medicine, University of Michigan Health System, Ann Arbor, MI

Training the Next Generation of Transplant Physicians and Surgeons

Jonathan Fryer, MD, Professor of Surgery, Northwestern University Medical School, Chicago, IL and Josh Levitsky, MD, Associate Professor of Medicine, Northwestern Memorial Hospital, Chicago, IL

Making the Most of Allograft Biopsy: What Every Transplant Clinician Must Know

Michael Mengel, MD, Associate Professor, Laboratory Medicine and Pathology, Edmonton, Canada and Oyedele Adeyi, MD, Assistant Professor of Pathology, University Health Network/University of Toronto, Toronto, Canada

Role and Career Development for the Advanced Practice Providers?

Deborah Hoch, DNP, ACNP-BC, Nurse Practitioner Transplantation, Maine Medical Center, Portland, ME and Donna Hathaway, PhD, FAAN, University Professor, University of Tennessee Health Science Center, Memphis, TN

B cells: Damaging or Protective?

Anna Velujskikh, PhD, Associate Staff, The Cleveland Clinic, Cleveland, OH and David Rothstein, MD, Professor of Surgery, Medicine and Immunology, Thomas E Starzl Transplant Institute, Pittsburgh, PA

IL-2 Neutralization: Good for Inhibiting Effector T Cell Priming vs. Bad for Undermining Treg Function

Andrew Wells, PhD, Associate Professor, University of Pennsylvania and The Children’s Hospital of Philadelphia, Philadelphia, PA and Kathryn Wood, MD, Professor of Immunology, University of Oxford, Oxford, United Kingdom

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Cardiac Allograft Vasculopathy: Pathophysiologic and Clinical Considerations

Randall Stirling, MD, MPH, Professor of Medicine, Cleveland Clinic, Cleveland, OH and David Briscoe, MD, MRCP, ASCI, Associate Professor, Harvard Medical School, Children's Hospital Boston, Boston, MA

Top 10 Papers in Transplant Infectious Disease

David Snydman, MD, Professor of Medicine, Tufts Medical Center, Boston, MA and Ajit Limaye, MD, Professor of Medicine, University of Washington, Seattle, WA

Streamlining Kidney Transplant Candidate and Donor Evaluations

Sanjay Kulkarni, MD, Associate Professor of Surgery, University of Virginia Health System, Charlottesville, VA and Deonna Moore, MSN, ACNP-BC, Nurse Practitioner, Vanderbilt University Medical Center, Nashville, TN

Risk-Benefit of Transplanting Marginal Livers

Shawn Pelletier, MD, Associate Professor of Surgery, University of Virginia Health System, Charlottesville, VA and David Foley, MD, Associate Professor of Surgery, University of Wisconsin, Madison, WI

Direct Acting Antivirals for HCV Post-Liver Transplant

Frederic Gordon, MD, Associate Professor of Medicine, Lahey Clinic Medical Center, Burlington, MA and James Burton, Jr, MD, Associate Professor of Medicine, University of Colorado, Aurora, CO

A Business Model for The Transplant Pharmacist

Eric Tichy, PharmD, BCPS, Senior Clinical Pharmacy Specialist, Yale-New Haven Hospital, New Haven, CT and Edward Zavala, MBA, Transplant Administrator and Research Assistant Professor, Vanderbilt University, Nashville, TN

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Liver Transplantation in Hong Kong
Chung-Mau Lo, MD
Professor
The University of Hong Kong
Hong Kong, China

Expanding the Criteria for Living Donors: What Are the Limits?
David Serur, MD
Associate Professor of Clinical Medicine and Surgery
New York Presbyterian Weill Cornell
Englewood, NJ

The Impact of Patient Education on Outcomes after Living Donor Transplant
James Rodrigue, PhD
Associate Professor
Beth Israel Deaconess Medical Center
Boston, MA

Maximizing Live Donation: An Algorithm for Program Process Improvement
Deonna Moore, MSN, ACNP-BC
Nurse Practitioner
Vanderbilt University Medical Center
Nashville, TN

Donor Consent: What Do Potential Living Donors Want and Need to Know?
Elisa Gordon, PhD, MPH
Research Associate Professor
Northwestern University Feinberg School of Medicine
Chicago, IL

The Living Donor Evaluation: Optimal Assessment for Improved Outcomes
Dianne LaPointe Rudow, ANP-BC, DNP, CCTC
Associate Professor
Recanti/Miller Transplantation Institute
New York, NY

3:15 PM – 3:45 PM

Expanding the Criteria for Living Donors: What Are the Limits?
David Serur, MD
Associate Professor of Clinical Medicine and Surgery
New York Presbyterian Weill Cornell
Englewood, NJ

3:45 PM – 4:15 PM

The Impact of Patient Education on Outcomes after Living Donor Transplant
James Rodrigue, PhD
Associate Professor
Beth Israel Deaconess Medical Center
Boston, MA

4:15 PM – 4:45 PM

Maximizing Live Donation: An Algorithm for Program Process Improvement
Deonna Moore, MSN, ACNP-BC
Nurse Practitioner
Vanderbilt University Medical Center
Nashville, TN

4:45 PM – 5:00 PM

Panel Discussion
The Science, The Art, and The Allure of Transplantation

2:15 PM – 2:30 PM  Old School: My Heroes in Solid Organ Transplantation
Lloyd Ratner, MD, MPH
Professor of Surgery
Columbia University
New York, NY

2:15 PM – 2:45 PM  Immunosuppression: How it Works, Why We Need It, and When We Won’t
Kenneth Newell, MD, PhD
Professor of Surgery
Emory University School of Medicine
Atlanta, GA

2:45 PM – 3:00 PM  Liver Transplantation: Big Operations, Big Wins
Goran Klintmalm, MD, PhD
Chief of Transplantation Services
Baylor University
Dallas, TX

3:00 PM – 3:15 PM  Kidney Transplantation: Antibodies are Barriers—Or Are They?
Robert Montgomery, MD, PhD, FACS
Professor of Surgery
Johns Hopkins University
Baltimore, MD

3:15 PM – 3:30 PM  Thoracic Transplantation: The Vital Side of the Diaphragm
Robert Higgins, MD, MSHA
Executive Director, Comprehensive Transplant Center
The Ohio State University Wexner Medical Center
Columbus, OH

3:30 PM – 3:45 PM  Transplant ID: A Journey Through Bizarre Transplant Infections
Michael Ison, MD, MS
Associate Professor
Northwestern University Comprehensive Transplant Center
Chicago, IL

3:45 PM – 4:00 PM  Live Donation: Perspective of a Donor/Physician
Adrian Cotterell, MD
Associate Professor of Surgery
Medical College of Virginia Campus, Virginia Commonwealth University
Richmond, VA

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

Nurses: Continuing nursing education credit available; see www.atcmeeting.org for more details.
Program    Sunday, May 19, 2013

4:00 PM – 4:15 PM  Basic Science Research: Lessons from the Laboratory
Jonathan Bromberg, MD, PhD
Professor of Surgery and Microbiology and Immunology
University of Maryland School of Medicine
Baltimore, MD

4:15 PM – 4:30 PM  Clinical Research: The Whole Field is Your Laboratory
John Gill, MD, MS
Associate Professor of Medicine
University of British Columbia
Vancouver, Canada

Part 2: Why I Love It

4:30 PM – 5:30 PM  Breakout Panels: Why I Love It
We each have our reasons for entering transplantation. For some, it’s the allure of taking a helicopter at 3 in the morning to go recover a liver, and transplanting it into a patient who otherwise would die within a week. For some, it’s the complexity of caring for sick, immunosuppressed patients. For some, it’s the wide array of research opportunities in a quickly-moving field where national policy actually responds to research.

Surgery:
Kenneth Newell, MD, PhD
Professor of Surgery
Emory University School of Medicine
Atlanta, GA

Yolanda Becker, MD
Professor of Surgery, Director of Kidney and Pancreas Transplant
University of Chicago
Chicago, IL

Robert Higgins, MD, MSHA
Executive Director, Comprehensive Transplant Center
The Ohio State University Wexner Medical Center
Columbus, OH

Jayne Locke, MD, MPH
Assistant Professor of Surgery
University of Alabama at Birmingham
Birmingham, AL

Medicine:
Camille Kotton, MD
Associate Professor
Clinical director, Transplant Infectious Disease
Massachusetts General Hospital
Boston, MA

Flavio Vincenti, MD
Professor of Clinical Medicine
University of California - San Francisco
San Francisco, CA

John Gill, MD, MS
Associate Professor Of Medicine
University of British Columbia
Vancouver, Canada

Robert Gaston, MD
Endowed Professor of Transplant Nephrology
University of Alabama at Birmingham
Birmingham, AL

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Pharmacists: This activity is eligible for ACPE credit, see www.atcmeeting.org for more details.
Nurses: Continuing nursing education credit available; see www.atcmeeting.org for more details.
**Basic Science:**
- Jonathan Bromberg, MD, PhD  
  Professor of Surgery and Microbiology and Immunology  
  University of Maryland School of Medicine  
  Baltimore, MD

- Robert Fairchild, PhD  
  Professor of Molecular Medicine  
  Cleveland Clinic  
  Cleveland, OH

- Roslyn Mannon, MD  
  Professor of Medicine and Surgery  
  University of Alabama, Birmingham  
  Birmingham, AL

- Anita Chong, PhD  
  Professor of Surgery  
  University of Chicago - Department of Surgery  
  Chicago, IL

- Daniel Salomon, MD  
  Professor of Molecular and Experimental Medicine  
  The Scripps Research Institute  
  La Jolla, CA

**Pharmacy:**
- Angela Q. Maldonado, PharmD, BCPS  
  Clinical Associate Professor/Kidney Transplant Pharmacist  
  Washington State University/Providence Sacred Heart Medical Center  
  Spokane, WA

- Thomas Nemeth, PharmD  
  Pharmacy Clinical Supervisor  
  Seattle Children’s Hospital  
  Seattle, WA

- Lonnie Smith, PharmD  
  Program Director  
  University of Utah  
  Salt Lake City, UT

- Matthew Gillespie, PharmD  
  PGY2 Solid Organ Transplant Pharmacy Resident  
  University of Utah Health Care  
  Salt Lake City, UT

- Rachel Waite, PharmD  
  Pharmacy Resident  
  Virginia Mason Medical Center  
  Seattle, WA

**Concurrent Abstract Sessions**

4:00 PM – 5:30 PM

**POSTER SESSION II**

5:30 PM – 6:30 PM

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Keynote Speaker - Alvin E. Roth, PhD

Co-Sponsored by Alliance for Kidney Paired Donation

5:45 PM – 6:15 PM Kidney Exchange: An Economist’s Perspective

Sunset Symposia

6:30 PM – 7:45 PM

NK Cell and NK T Cell Mediated Inflammation

6:30 PM – 6:55 PM NK Cell Memory
Joseph C. Sun, PhD
Professor
Sloan Kettering Institute
New York, NY

6:55 PM – 7:20 PM iNK T Cell Activation by Self Lipids Generated During Microbial Infections
Michael Brenner, MD
Professor
Harvard Medical School
Cambridge, MA

7:20 PM – 7:45 PM Emerging Topics in NK Cell Biology
Wayne Yokoyama, MD
Investigator
Washington University Medical Center
St. Louis, MO

Notch Directed T Cell Development

6:30 PM – 6:55 PM Notch Activation and TH Cell Subset Differentiation
Nicholas Lukacs, PhD
Professor of Pathology
University of Michigan
Ann Arbor, MI

6:55 PM – 7:20 PM TOR-Notch Interactions during Thymocyte Differentiation
Mark R. Boothby, MD, PhD
Professor of Microbiology and Immunology
Vanderbilt University
Nashville, TN

7:20 PM – 7:45 PM Notch Signaling in Alloimmune Responses
Ivan Maillard, MD, PhD
Assistant Professor of Medicine
University of Michigan
Ann Arbor, MI
**SUNRISE SYMPOSIA**

**7:00 AM – 8:15 AM**

**Growing Up Too Fast: Strategies for Transitioning Adolescents to Adult Transplant Care**

**Moderators:** Stacee Lerret, RN, PhD, CPNP, Professor, Medical College of Wisconsin, Milwaukee, WI and Heidi Schaefer, MD, Associate Professor of Medicine, Vanderbilt University, Nashville, TN

- **7:00 AM – 7:25 AM**
  **Continuity of Care from Adolescent to Adult Programs:** Strategies to Overcome the Challenges in Transition
  Lorraine Bell, MD, FRCP, Associate Professor Pediatrics; Director Pediatric Transition to Adult Care
  McGill University Health Center
  Montreal, Canada

- **7:25 AM – 7:50 AM**
  **Resource Utilization During the Transfer/Transition Process to Adult Care**
  Blanche Chavers, MD
  Professor of Pediatrics
  University of Minnesota Medical School
  Minneapolis, MN

- **7:50 AM – 8:15 AM**
  **Assessing Transition: The Development of the UNC TR(x) Transition scale**
  Maria Ferris, MD, MPH, PhD
  Associate Professor
  University of North Carolina at Chapel Hill
  Chapel Hill, NC

**Treatment of Antibody Mediated Rejection**

**Moderators:** Elaine Reed, PhD, Professor of Pathology and Laboratory Medicine, University of California LA, Los Angeles, CA and Jean Tchervenkov, MD, Research Director, Royal Victoria Hospital, Montreal, Canada

- **7:00 AM – 7:15 AM**
  **Dominant Role of AMR in Kidney Transplant Failure**
  Philip Halloran, MD, PhD
  Director, Alberta Transplant Applied Genomics Centre
  University of Alberta
  Edmonton, Canada

- **7:15 AM – 7:30 AM**
  **The Role for Plasmapheresis in Treatment of AMR**
  Robert Montgomery, MD, PhD, FACS
  Professor of Surgery
  Johns Hopkins University
  Baltimore, MD

- **7:30 AM – 7:45 AM**
  **The Role for Complement Inhibition in Treatment of AMR**
  Mark Stegall, MD
  Professor of Surgery and Immunology
  Mayo Clinic
  Rochester, MN

- **7:45 AM – 8:00 AM**
  **Subclinical AMR**
  Abdolreza Haririan, MD, M.P.H.
  Associate Professor of Medicine
  University of Maryland Medical Center
  Baltimore, MD

- **8:00 AM – 8:15 AM**
  **Panel Q/A Discussion**
Omics and Transplantation: How New Technologies May Improve Outcomes in The Clinic

Moderators: Valeria Mar, PhD, Associate Professor Research Surgery, Director Translational Genomics Transplant, University of Virginia, Kerwick, VA and Barbara Murphy, MD, Professor of Medicine, Mt. Sinai School of Medicine, New York, NY

7:00 AM – 7:25 AM Metabolomics in Transplant
David Rush, MD
Professor of Medicine
University of Manitoba
Winnipeg, Canada

7:25 AM – 7:50 AM Proteogenomic Profiling and Chronic Allograft Nephropathy
Manikkam Suthanthiran, MD
Professor and Chief, Transplantation Medicine
Weill Cornell Med Center
New York, NY

7:50 AM – 8:15 AM Pharmacogenomics: From Research to The Clinic
Kelly Birdwell, MD, MSCI
Assistant Professor of Medicine
Vanderbilt University Medical Center
Nashville, TN

Update on Tuberculosis in Transplant Recipients and Candidates

Moderators: Roberta Lattes, MD, Assistant Professor of Infectious Disease, University of Buenos Aires, Buenos Aires, Argentina and Michele Morris, MD, Associate Professor, Division of Infectious Diseases, University of Miami Miller School of Medicine, Miami, FL

7:00 AM – 7:25 AM Interferon-g Release Assays (IGRAs) and Other Immune Assays for TB in Transplant Patients
Martina Sester, PhD
Professor of Transplant and Infection Immunology
Saarland University
Homburg, Germany

7:25 AM – 7:50 AM Novel therapies and the Role of Vitamin D in Tuberculosis
Jennifer Daly, MD
Professor of Medicine, Microbiology and Physiological Science
University of Massachusetts Medical School
Worcester, MA

7:50 AM – 8:15 AM Update on Management of Tuberculosis in Transplant Recipients and Candidates
Karen Doucette, MD
Associate Professor of Medicine
University of Alberta
Edmonton, Canada
Incentives for Donors: Beyond Pro and Con

Moderators: Nicole Turgeon, MD, Associate Professor of Surgery, Emory University, Atlanta, GA and Scott Sanoff, MD, MPH, Assistant Professor of Medicine, Duke University, Chapel Hill, NC

7:00 AM – 7:25 AM  A Framework for Discussing Incentives for Donors
Peter Reese, MD
Assistant Professor of Medicine & Epidemiology
University of Pennsylvania
Philadelphia, PA

7:25 AM – 7:50 AM  Pro Argument
David Howard, PhD
Associate Professor
Emory University
Decatur, GA

7:50 AM – 8:15 AM  Con Argument
Robert Gaston, MD
Endowed Professor of Transplant Nephrology
University of Alabama at Birmingham
Birmingham, AL

Improving Transplant Outcomes Through Teaching and Technology

Moderators: Kathy Schwab, BSN, RN, CCTC, Transplant Compliance Officer, Mayo Clinic Foundation, Rochester, MN, and Michelle James, MS, RN, CNS, Solid Organ Transplant Clinical Nurse Specialist, University of Minnesota Medical Center, Fairview, Minneapolis, MN

7:00 AM – 7:25 AM  Health Literacy: The Impact of Patient Education on Outcomes
Cynthia Russell, PhD
Professor
University of Missouri-Kansas City
Kansas City, MO

7:25 AM – 7:50 AM  Text4Health: Texting as a Strategy to Improve Outcomes Post-Transplant
Tamir Miloh, MD
Associate Professor
Phoenix Children’s Hospital
Phoenix, AZ

7:50 AM – 8:15 AM  Is There an App for That?: Designing and Implementing Apps to Improve Patient Outcomes
John Pollock, PhD
Associate Professor of Biology & Director of the Partnership in Education
Duquesne University
Pittsburgh, PA

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Nurses: Continuing nursing education credit available; see www.atcmeeting.org for more details.
Maximizing Outcomes From DCD Livers

Moderators: Joseph Magliocco, MD, Assistant Professor of Surgery, Emory University School of Medicine, Atlanta, GA and Debra Sudan, MD, Professor of Surgery, Duke University Medical Center, Durham, NC

7:00 AM – 7:25 AM  Whom, If Anyone, Might Benefit From a DCD Liver Transplant?
Anton Skaro, MD, PhD, FRCSC
Assistant Professor of Surgery, Associate Director of Kidney/ Pancreas Transplant
Northwestern Memorial Hospital
Chicago, IL

7:25 AM – 7:50 AM  Which DCD Livers Should be Used and How Can They Be Optimized?
Burcin Taner, MD
Associate Professor of Surgery
Mayo Clinic Jacksonville
Jacksonville, FL

7:50 AM – 8:15 AM  Is Anyone in the World Doing Better Using DCD Livers?
Paolo Muiesan, MD
Consultant
House Queen Elizabeth Hospital
Birmingham, United Kingdom

BREAK

8:15 AM – 8:30 AM

JOINT PLENARY

8:30 AM – 9:30 AM

AST AWARDS

9:30 AM – 9:45 AM

AST PRESIDENTIAL ADDRESS

9:45 AM – 10:15 AM

STATE-OF-THE-ART ADDRESS

10:15 AM – 10:45 AM  The Future of Transplantation: Personalized Medicine for the Organ
Shaf Keshavjee, MD
Professor of Thoracic Surgery
Toronto General Hospital
Toronto, Canada

COFFEE BREAK

10:45 AM – 11:00 AM
**MIDDAY SYMPOSIA**

**11:00 AM – 12:30 PM**

**Losing Control of CD8 T Cell Tolerance**

Moderators: William Kitchens, MD, PhD, Research Fellow, Emory Transplant Center, Atlanta, GA and Geetha Chalasani, MBBS, Assistant Professor of Medicine and Immunology, University of Pittsburgh, Thomas E. Starzl Transplantation Institute, Pittsburgh, PA

**11:00 AM – 11:30 AM**

Molecular Signal Directing CD8 T Cells to Exhaustion
Linda Sherman, PhD
Professor
The Scripps Research Institute
Jupiter, FL

**11:30 AM – 12:00 PM**

Losing Control of CD8+ T cells – Are Cytokines the Key?
Mike Slifka, PhD
Professor & Senior Scientist
Oregon Health & Science University
Portland, OR

**12:00 PM – 12:30 PM**

Mechanisms Regulating Fate Commitment and Plasticity of Self-Tolerant CD8 T Cells
Andrea Schietinger, PharmD, PhD
Acting Instructor
University of Washington
Seattle, WA

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**How I Do It - Technical Challenges in Kidney and Pancreas Transplantation**

Moderators: Mitchell Henry, MD, Professor of Surgery, Ohio State University, Columbus, OH and Derek Moore, MD, MPH, Assistant Professor of Surgery, Vanderbilt University Medical Center, Nashville, TN

**11:00 AM – 11:30 AM**

How Many Kidneys Can Fit Into An abdomen? Techniques in Reoperative Kidney Transplantation
Lloyd Ratner, MD, MPH
Professor of Surgery
Columbia University
New York, NY

**11:30 AM – 12:00 PM**

Difficult Ureters and Bladders: Advanced Techniques to Obtain Urinary Drainage in Kidney Transplantation
Curtis Sheldon, MD
Professor of Surgery
University of Cincinnati
Children's Hospital Medical Center
Cincinnati, OH

**12:00 PM – 12:30 PM**

Technical Challenges in Pancreas Transplantation
Peter Friend, MD
Professor of Transplantation
University of Oxford
Oxford, United Kingdom

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Long Term Risks After Living Kidney Donation

**Moderators:** Mona Doshi, MBBS, Associate Professor of Medicine, Wayne State University, Detroit, MI and Peter Reese, MD, Assistant Professor of Medicine & Epidemiology, University of Pennsylvania Philadelphia, PA

**11:00 AM – 11:15 AM** Lessons From Secondary Data
Krista Lentine, MD
Associate Professor of Medicine
Saint Louis University
Saint Louis, MO

**11:15 AM – 11:30 AM** Lessons From the DONOR (Donor Nephrectomy Outcomes Research) Network
Amit Garg, MD, MA, FRCP(C), PhD
Medical Director, Living Kidney Donation; Professor, Medicine and Epidemiology
London Health Sciences Centre
London, Canada

**11:30 AM – 11:45 AM** Update on ReLIVE (Renal and Lung Living Donors Evaluation
Arthur Matas, MD
Professor of Surgery
University of Minnesota
Minneapolis, MN

**11:45 AM – 12:00 PM** Update on ALTOLD
Bertram Kasiske, MD
Professor of Medicine, University of Minnesota
Hennepin County Medical Center
Minneapolis, MN

**12:00 PM – 12:15 PM** Focused Studies of Risk in African American donors
Brian Boyarsky, MD
Research Assistant
Hopkins
Baltimore, MD

**12:15 PM – 12:30 PM** Panel Q/A Discussion

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**Treatment of Diabetes with Transplantation**

**Moderators:** Peter Stock, MD, Professor of Surgery, University of California, San Francisco, CA and James Markmann, MD, PhD, Professor of Surgery Harvard Medical School, Massachusetts General Hospital, Boston, MA

**11:00 AM – 11:30 AM** State of the Art Medical Treatment for Diabetes
Karen Foster-Schubert, MD
Assistant Professor of Medicine
University of Washington
Seattle, WA

**11:30 AM – 12:00 PM** Current Status of Islet Cell Transplantation for Diabetes
Bernhard Hering, MD
Professor of Surgery & Medicine
University of Minnesota
Minneapolis, MN
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**Update on Hepatitis C in Transplantation**

Moderators: James Burton, Jr, MD, Associate Professor of Medicine, University of Colorado, Aurora, CO and Fredric Gordon, MD, Associate Professor of Medicine, Lahey Clinic Medical Center, Burlington, MA

*11:00 AM – 11:30 AM*  
Treatment of Hepatitis C in the Pre-Transplant Setting  
Greg Everson, MD  
Professor of Medicine  
University of Colorado Health Science Center  
Aurora, CO

*11:30 AM – 12:00 PM*  
Treatment of Hepatitis C in the Post-Transplant Setting  
Robert Brown, Jr., MD, MPH  
Professor of Medicine and Pediatrics  
Columbia University  
New York, NY

*12:00 PM – 12:30 PM*  
New Agents for Hepatitis C: The Potential for Non-Interferon approaches  
Fred Poordad, MD  
Chief Medical Officer  
Alamo Medical Research  
San Antonio, TX

**SRTR: Allocation and Program Specific Reports**

Moderators: John Roberts, MD, Professor of Surgery, University of California San Francisco, San Francisco, CA and John Lake, MD, Professor of Medicine, University of Minnesota, Minneapolis, MN

*11:00 AM – 11:20 AM*  
What’s New in Organ-Specific Allocation?  
Ajay Israni, MD, MS  
Director Deputy of the Scientific Registry of Transplant Recipients  
Hennepin County Medical Center  
Minneapolis, MN

*11:20 AM- 11:40 AM*  
Addressing Geographic Disparities in Organ Availability  
Sommer Gentry, PhD  
Associate Professor of Mathematics  
United States Naval Academy  
Baltimore, MD

*11:40 AM – 12:00 PM*  
Limitations of the Program-Specific Reports?  
Jon Snyder, PhD  
Director, Transplant Epidemiology  
Minneapolis Medical Research Foundation  
Minneapolis, MN

*12:00 PM – 12:20 PM*  
How to Systematically and Objectively Quantify Post Transplant Risk: A Center’s Experience  
Fernando Cosio, MD  
Internal Medicine Physician  
Mayo Clinic Transplant Center  
Rochester, MN

*12:20 PM – 12:30 PM*  
Panel Discussion Q&A
Autophagy: New Insights Into an Old Pathway

Moderators: Anita Chong, PhD, Professor of Surgery, University of Chicago - Department of Surgery, Chicago, IL and Bernd Schroppel, MD, Assistant Professor, Mount Sinai School of Medicine, New York, NY

11:00 AM – 11:30 AM  Autophagy In The Kidney: In Normal Physiology and Under Stress
Zheng Dong, MD
Regents' Professor
Georgia Health Sciences University
Augusta, GA

11:30 AM – 12:00 PM  Autophagy in the Liver: Fueling Tissue Fibrogenesis and Metabolic Stress
Chengyu Liang, MD, Ph.D
Assistant Professor
University of Southern California
Los Angeles, CA

12:00 PM – 12:30 PM  Autophagy in Immune Cells: Its Role in Tolerance
Bernd Schroppel, MD
Assistant Professor
Mount Sinai School of Medicine
New York, NY

VCA Clinical Experience Update

Moderators: Christina Kaufman, PhD, Executive Director, Christine M. Kleinert Institute, Louisville, KY and Linda Cendales, MD, Assistant Professor of Surgery, Emory University School of Medicine, Atlanta, GA

11:00 AM – 11:30 AM  Immunology and Optimizing Immunosuppression for VCA
Kadiyala Ravindra, MD
Associate Professor
Duke University
Durham, NC

11:30 AM – 12:00 PM  Patient Selection: When is the Right Time for VCA?
Jaimie T. Shores, MD
Assistant Professor, Clinical Director of Hand Transplantation
Johns Hopkins University School of Medicine
Baltimore, MD

12:00 PM – 12:30 PM  Role of the Initial Injury in VCA Outcomes
Simon G. Talbot, MD
Brigham and Women's Hospital
Plastic Surgery, Hand Surgery and Microsurgery
Boston, MA

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Mechanical Circulatory Support in Thoracic Transplantation: Update and Controversies

Moderators: Simon Maltais, MD, PhD, Surgical Director Heart Transplantation and Mechanical Circulatory Support, Vanderbilt Heart and Vascular Institute, Nashville, TN and Stuart Russell, MD, Associate Professor of Medicine, Johns Hopkins Hospital, Baltimore, MD

11:00 AM – 11:25 AM  Machine or Biology? What Device for Which Patient with a Failing Heart?  
George Wieselthaler, MD  
Professor of Clinical Surgery  
University of California  
San Francisco, CA

11:25 AM – 11:50 AM  Management of Right Heart Failure After VAD Implantation  
Sudhir S. Kushwaha, MD  
Cardiologist  
Mayo Clinic  
Rochester, MN

11:50 AM – 12:15 PM  Early Experience with the Total Artificial Heart: Indications and Outcomes  
Francisco Arabia, MD  
Thoracic and Cardiac Surgeon  
Mayo Clinic Scottsdale  
Phoenix, AZ

12:15 PM – 12:30 PM  Panel Discussion
ATC Committees & Staff

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TRANSPLANTATION IN DEPTH – BASIC SCIENCE: BONE MARROW TRANSPLANTATION: NICHES AND REGULATION

MODERATORS: Anita Chong, PhD, Professor of Surgery, University of Chicago - Department of Surgery, Chicago, IL and Ginny Bumgardner, MD, PhD, Professor of Surgery, Ohio State University, Columbus, OH

2:15 PM – 5:15 PM

2:15 PM – 2:45 PM

Hematopoietic Stem Cell Niches in Bone Marrow
Dorothy Sipkins, MD, PhD
Assistant Professor
University of Chicago
Chicago, IL

2:45 PM – 3:15 PM

Strategies to Promote Immune Reconstitution Following Bone Marrow Transplantation
Pavan R. Reddy, MD
Associate Professor
University of Michigan Health System
Ann Arbor, MI

3:15 PM – 3:45 PM

Microbiota Regulation of Inflammation Following Bone Marrow Transplantation
Marcel R. M. van den Brink, MD, PhD
Alan Houghton Chair in Immunology; Head, Division of Hematologic Oncology
Memorial Sloan-Kettering Cancer Center
New York, NY

3:45 PM – 4:15 PM

Bone Marrow Induced Microchimerism and Donor Tolerance
Megan Sykes, MD
Professor of Medicine
Columbia University Medical Center
New York, NY

4:15 PM – 4:45 PM

Bone Marrow Transplant to Promote Solid Organ Transplantation
Samuel Strober, MD
Professor of Medicine
Stanford University
Stanford, CA

4:45 PM – 5:15 PM

Incorporation of Facilitating Cells into HSC Regimens to Promote Tolerance in Transplant Patients
Joseph Leventhal, MD, PhD
Director, Kidney & Pancreas Transplant Programs
Northwestern University Medical School
Chicago, IL
New Frontiers in Pediatric Transplantation
Co-Sponsored by the International Pediatric Transplantation Association (IPTA)
2:15 PM – 5:30 PM

New Challenges/New Opportunities?
Moderators: Ron Shapiro, MD, Professor of Surgery, Robert J. Corry Chair in Transplantation Surgery, University of Pittsburgh, Pittsburgh, PA and Lars Rupe, MD, PhD, Professor, Hannover Medical School, Hannover, Germany

2:15 PM – 2:45 PM
Controversies in Pediatric End of Life Decision Making
Anne Dipchand, MD, FRCP-C
Head, Heart Transplant Program
The Hospital of Sick Children
Toronto, Canada

2:45 PM – 3:15 PM
CNI Minimization or Steroid Minimization, Which is Optimal for Children
Minnie Sarwal, MD, PhD, MRCP
Professor, Transplant Nephrology & Pediatrics, Director, Sarwal Lab - BIOMARC Institute
California Pacific Medical Center Research Institute
Portola Valley, CA

3:15 PM – 3:45 PM
First DSA, Now What? Non-HLA Antibodies in Pediatric Solid Organ Transplantation
Annette Jackson, PhD
Assistant Professor
Johns Hopkins University
Baltimore, MD

New Long-Term Complications in Pediatric Transplantation
Moderators: Lara Danziger-Isakov, MD, MPH, Associate Professor, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH and Sharon Bartosb, MD, Professor of Pediatrics, University of Wisconsin, Madison, WI

4:00 PM – 4:30 PM
Resistant Organisms
Michael Green, MD, MPH
Professor of Pediatrics, Surgery & Clinical and Translational Science
Children's Hospital of Pittsburgh
Pittsburgh, PA

4:30 PM – 5:00 PM
Metabolic Syndrome
Philip Rosenthal, MD
Professor of Pediatrics & Surgery
University of California San Francisco
San Francisco, CA

5:00 PM – 5:30 PM
Bone Disease
Mary Leonard, MD
Professor of Pediatrics and Epidemiology
The Children's Hospital of Philadelphia
Philadelphia, PA

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### ALLIED HEALTH SYMPOSIUM II: IMPROVING YOUR PRACTICE: CLINICAL UPDATES FOR TRANSPLANT COORDINATORS AND ADVANCE PRACTICE PROVIDERS?

**2:15 PM – 5:30 PM**

**Moderators:** Tracy Evans-Walker, MSN, CNP, CCTC, Affiliated Clinical Practitioner, Cleveland Clinic Foundation, Cleveland, OH and Catherine Garvey, RN, BA, CCTC, Director, Transplant Quality, Regulatory and Clinical Practice, University of Minnesota Medical Center - Fairview, Minneapolis, MN

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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
<th>Institution</th>
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<tr>
<td>2:15 PM – 2:55 PM</td>
<td><strong>Immunosuppression: In with the New, Out with the Old</strong></td>
<td>Steven Gabardi, PharmD, FCCP, BCPS</td>
<td>Brigham &amp; Women’s Hospital, Boston, MA</td>
</tr>
<tr>
<td>2:55 PM – 3:35 PM</td>
<td><strong>Transplant Infectious Diseases: Surveillance, Treatment, and Outcomes</strong></td>
<td>Marian Michaels, MD, MPH</td>
<td>Children’s Hospital of Pittsburgh of UPMC, Pittsburgh, PA</td>
</tr>
<tr>
<td>3:35 PM – 4:15 PM</td>
<td><strong>Hypertension: Best Practices for Management Post-Transplant</strong></td>
<td>Deborah Hoch, DNP, ACNP-BC</td>
<td>Maine Medical Center, Portland, ME</td>
</tr>
<tr>
<td>4:15 PM – 4:55 PM</td>
<td><strong>Substance Use in The Transplant Recipient</strong></td>
<td>Eric Elster, MD, FACS</td>
<td></td>
</tr>
<tr>
<td>4:55 PM – 5:30 PM</td>
<td><strong>Primary Prevention: Screening Protocols for Transplant Recipients</strong></td>
<td>Mark Burns, DNP</td>
<td>Mayo Clinic, Gilbert, AZ</td>
</tr>
</tbody>
</table>

### CONCURRENT ABSTRACT SESSIONS

**4:00 PM – 5:30 PM**

### POSTER SESSION III

**5:30 PM – 6:30 PM**

### AST BUSINESS MEETING

**5:45 PM – 7:00 PM**

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**Nurses:** Continuing nursing education credit available; see www.atcmeeting.org for more details.
Transplantation Across the Age Spectrum: Prediction and Intervention

Moderators: Mara McAdams-DeMarco, MS, PhD, Instructor, John Hopkins University, Baltimore, MD and Jagbir Gill, MD, MPH, Assistant Professor of Medicine, University of British Columbia, Vancouver, BC

7:00 AM – 7:25 AM  Frailty in Kidney Transplantation
Dorry Segev, MD, PhD
Associate Professor of Surgery, Epidemiology, and Biostatistics
Johns Hopkins University
Baltimore, MD

7:25 AM – 7:50 AM  Sarcopenia
Michael Englesbe, MD
Associate Professor of Surgery
University of Michigan
Ann Arbor, MI

7:50 AM – 8:15 AM  Rehabilitation and Prehabilitation in Transplantation
Erica Hartmann, MD
Transplant Nephrologist
Piedmont Healthcare
Atlanta, GA

Dealing with de Novo Donor Specific HLA antibodies

Moderators: Peter Nickerson, MD, Professor, Internal Medicine and Immunology, University of Manitoba, Winnipeg, Canada and Stanley Jordan, MD, Professor of Pediatrics and Medicine, Cedars Sinai Medical Center, Los Angeles, CA

7:00 AM – 7:25 AM  DSA and Transplant Outcomes
Peter Nickerson, MD
Professor of Internal Medicine
University of Manitoba
Winnipeg, Canada

7:25 AM – 7:50 AM  Pathology Associated with Post Transplant Antibodies
Lorraine Racusen, MD
Professor of Pathology
John Hopkins University
Baltimore, MD

7:50 AM – 8:15 AM  How Would We Treat Asymptomatic Patients Having DSA?
Anil Chandraker, MD, FRCP
Medical Director, Kidney & Pancreas Transplantation
Brigham & Women's Hospital
Boston, MA

Danger Will Robinson? Laparoscopic and Robotic Kidney Transplantation

Moderators: Joseph Magliocca, MD, Emory University School of Medicine, Associate Professor of Surgery, Atlanta, GA and Lloyd Ratner, MD, MPH, Professor of Surgery, Columbia University, New York, NY

7:00 AM – 7:25 AM  Minimally Invasive Open Surgery for Kidney Recipient
Ole Morten Oeyen, MD, PhD
Surgeon
Oslo University Hospital Rikshospitalet
Oslo, Norway

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**Program Tuesday, May 21, 2013**

7:25 AM – 7:50 AM  **Laparoscopic Kidney Transplantation**  
Pranjal Modi, MS, DNB  
General Practitioner  
Doshi & Mehta Institute of Kidney Diseases and Research Centre  
Gujarat, India

7:50 AM – 8:15 AM  **Functional Assessment for Clinical Transplant Tolerance**  
James Mathew, PhD  
Research Associate Professor  
Northwestern University  
Chicago, IL

**Lung Transplantation: Clinical Practice Considerations**

**7:00 AM – 7:25 AM**  **Re-Evaluation of Donor Criteria: Myth vs Reality**  
Sangeeta Bhorade, MD  
Associate Professor of Medicine  
University of Chicago Hospitals  
Chicago, IL

**7:25 AM – 7:50 AM**  **Early Mechanical Support vs Maximal Pharmacological Therapy for Right Ventricular Support after Lung Transplant**  
Thomas K. Waddell, MD, MSc, PhD  
Chair, Division of Thoracic Surgery  
Toronto General Hospital  
Toronto, Canada

**7:50 AM – 8:15 AM**  **The Role of De Novo Donor-Specific Antibody Post Lung Transplant**  
Martin Zamora, MD  
Professor of Medicine  
University of Chicago  
Aurora, CO

7:50 AM – 8:15 AM  **Molecular and Cellular Biomarkers of Clinical Transplant Tolerance**

**Moderators:** Alberto Sanchez-Fueyo, MD, PhD, Professor of Hepatology, King’s College London, London, United Kingdom and Daniel Salomon, MD, Professor of Molecular and Experimental Medicine, The Scripps Research Institute, La Jolla, CA

8:15 AM – 9:00 AM  **A Need for Biomarkers of Operational Tolerance in Liver and Kidney Transplantation**  
Albert Sanchez-Fueyo, MD, PhD  
Professor of Hepatology, King’s College London, London, United Kingdom

9:00 AM – 10:00 AM  **Discovering, Validating and Prioritizing Biomarkers of Tolerance**  
Sunil Kurian, PhD  
Staff Scientist  
The Scripps Research Institute  
La Jolla, CA

9:00 AM – 10:00 AM  **Functional Assessment for Clinical Transplant Tolerance**  
James Mathew, PhD  
Research Associate Professor  
Northwestern University  
Chicago, IL

**7:00 AM – 7:25 AM**  **Robotic Assisted Kidney and Pancreas Transplantation**  
Enrico Benedetti, MD  
Professor of Surgery  
University of Illinois-Chicago  
Chicago, IL

**7:25 AM – 7:50 AM**  **Functional Assessment for Clinical Transplant Tolerance**  
James Mathew, PhD  
Research Associate Professor  
Northwestern University  
Chicago, IL

**Lung Transplantation: Clinical Practice Considerations**

**7:00 AM – 7:25 AM**  **Re-Evaluation of Donor Criteria: Myth vs Reality**  
Sangeeta Bhorade, MD  
Associate Professor of Medicine  
University of Chicago Hospitals  
Chicago, IL

**7:25 AM – 7:50 AM**  **Early Mechanical Support vs Maximal Pharmacological Therapy for Right Ventricular Support after Lung Transplant**  
Thomas K. Waddell, MD, MSc, PhD  
Chair, Division of Thoracic Surgery  
Toronto General Hospital  
Toronto, Canada

**7:50 AM – 8:15 AM**  **The Role of De Novo Donor-Specific Antibody Post Lung Transplant**  
Martin Zamora, MD  
Professor of Medicine  
University of Chicago  
Aurora, CO
Puberty through Pregnancy after Transplant: Clinical and Ethical Considerations

Moderators: Milagros Samaniego, MD, Professor of Medicine, University of Michigan Medical School, Ann Arbor, MI and Lisa Coscia, RN, BSN, CCTC, Senior Pregnancy Registry Research Coordinator, National Transplantation Pregnancy Registry, Philadelphia, PA

7:00 AM – 7:25 AM  Optimal Family Planning Post-transplant
Colleen Krajewski, MD
Professor
Johns Hopkins Hospital
Baltimore, MD

7:25 AM – 7:50 AM  Transplant and Puberty: Discussing the Birds and the Bees with Adolescent Transplant Recipients
Gina Sucato, MD
Assistant Professor Pediatric and Adolescent Medicine
University of Pittsburgh School of Medicine
Pittsburgh, PA

7:50 AM – 8:15 AM  Pregnancy as an Endpoint of Quality: Ethical Considerations in Family Planning after Transplantation
Aviva Goldberg, MD, MA
Assistant Professor, Department of Pediatrics and Child Health
University of Manitoba
Winnipeg, Canada

The Pediatric Immune System and Transplantation: Obstacle or Opportunity?

Janet Scheel, MD, Assistant Professor, Medical Director of Pediatric Heart Transplant, John Hopkins University, Baltimore, MD and Gina-Marie Barletta, MD, Pediatric Nephrologist, Phoenix Children’s Hospital, Phoenix, AZ

7:00 AM – 7:25 AM  The Developing Immune System: A Target for Tolerance?
Lori West, MD, PhD
Professor of Pediatrics, Surgery & Immunology
University of Alberta
Edmonton, Canada

7:25 AM – 7:50 AM  Personalized Immunosuppression: Dream or Reality?
Philip Halloran, MD, PhD
Director, Alberta Transplant Applied Genomics Centre
University of Alberta
Edmonton, Canada

7:50 AM – 8:15 AM  Bad to be Naïve: Minimizing Risk for Infections in Pediatric Transplantation
Upton Allen, MBBS, MSc, FAAP
Director of Pediatrics
Chief Division of Infectious Diseases
University of Toronto
Toronto, Canada

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**Program**  
Tuesday, May 21, 2013

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**Apps, Web and Wifi Pill Bottles: Emerging Technologies in Transplantation**  
**Clinical**  
**Public Policy**

Moderators: Derek Moore, MD, MPH, Assistant Professor of Surgery, Vanderbilt University Medical Center, Nashville, TN & Seth Karp, MD, Associate Professor, Vanderbilt University School of Medicine, Nashville, TN

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 7:00 AM – 7:25 AM | **Apps**  
Marc Melcher, MD  
Assistant Professor  
Stanford University  
Palo Alto, CA |
| 7:25 AM – 7:50 AM | **Web**  
Deonna Moore, MSN, ACNP-BC  
Nurse Practitioner  
Vanderbilt University Medical Center  
Nashville, TN |
| 7:50 AM – 8:15 AM | **Novel Strategies to Improve Behavioral Health After Transplant Using Wireless Technology**  
Peter Reese, MD  
Assistant Professor of Medicine & Epidemiology  
University of Pennsylvania  
Philadelphia, PA |

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**ASTS Awards**

9:15 AM – 9:30 AM

**ASTS Presidential Address**

9:30 AM – 10:00 AM

**Break**

10:00 AM – 10:15 AM

**Controversies in Transplantation: Debates**

10:15 AM – 11:00 AM

**Basic: Establishing Chimerism for Transplant Tolerance: Necessary, Practical?**

Moderators: Samuel Strober, MD, Professor of Medicine, Stanford University, Stanford, CA and Michael Abecassis, MD, Professor, Northwestern Feinberg School of Medicine, Chicago, IL

<table>
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<th>Time</th>
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| 10:15 AM – 10:25 AM | Megan Sykes, MD  
Professor of Medicine  
Columbia University Medical Center  
New York, NY |

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**Break**

8:15 AM – 8:30 AM

**Joint Plenary**

8:30 AM – 9:15 AM

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Clinical: Broader Follow-up of Living Kidney Donors by the OPTN is Feasible and Scientifically Justified

Moderators: Chris Freise, MD, Professor of Surgery, University of California-San Francisco, San Francisco, CA and Krista Lentine, MD, Associate Professor of Medicine, Saint Louis University, Saint Louis, MO

10:15 AM – 10:25 AM  Pro
Connie Davis, MD
Chief Medical Officer
Skagit Regional Health
Mount Vernon, WA

10:25 AM – 10:35 AM  Con
Robert Gaston, MD
Endowed Professor of Transplant Nephrology
University of Alabama at Birmingham
Birmingham, AL

10:35 AM – 10:40 AM  Pro – Rebuttal
10:40 AM – 10:45 AM  Con – Rebuttal
10:45 AM – 11:00 AM  Discussion

COFFEE BREAK

11:00 AM – 11:15 AM

MID-DAY SYMPOSIA

11:15 AM – 12:45 PM

Alarmins

Moderators: Fadi Lakkis, MD, Frank & Athena Sarris Chair in Transplantation Biology, University of Pittsburgh/Starzl Transplant Institute, Pittsburgh, PA and Melissa Yeung, MD, Instructor in Medicine, Brigham & Women’s Hospital, Boston, MA

11:15 AM – 11:45 AM  IL-33 Regulation in Pulmonary Inflammation
Heth Turnquist, MD
Assistant Professor of Surgery
University of Pittsburgh
Pittsburgh, PA

10:25 AM – 10:35 AM  Con
Jonathan Bromberg, MD, PhD
Professor of Surgery and Microbiology and Immunology
University of Maryland School of Medicine
Baltimore, MD

10:35 AM – 10:40 AM  Pro – Rebuttal
10:40 AM – 10:45 AM  Con – Rebuttal
10:45 AM – 11:00 AM  Discussion

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**Program**  Tuesday, May 21, 2013

**11:45 AM – 12:15 PM**  Endothelial Alarmins and Allograft Rejection  
Joost Oppenheim, MD  
Chief of Laboratory of Molecular Immunoregulation  
National Institute of Health  
Bethesda, MD

**12:15 PM – 12:45 PM**  Imaging of Trafficking  
Paul Kubes, MD  
Professor  
University of Calgary  
Calgary, Canada

**11:15 AM – 11:45 AM**  Leukocyte Arrest and Diapedesis  
Alexander Chervonsky, MD, PhD  
Associate Professor Department of Pathology  
Chairman, Committee on Immunology  
University of Chicago  
Chicago, IL

**11:45 AM – 12:15 PM**  Differential Trafficking of Th1 vs. Th17 cells  
Estelle Bettelli, PhD  
Assistant Member and Affiliated Assistant Professor  
University of Washington  
Seattle, WA

**12:15 PM – 12:45 PM**  Imaging of Trafficking  
Paul Kubes, MD  
Professor  
University of Calgary  
Calgary, Canada

**Ethical Issues in Living Donation**

**Moderators:** Chris Freise, MD, Professor of Surgery, University of California-San Francisco, San Francisco, CA and Talia Baker, MD, Associate Professor of Surgery, Northwestern Memorial Hospital, Chicago, IL

**11:15 AM – 11:45 AM**  What Obligations Do We Have To Living Donors?  
Elizabeth Anne Pomfret MD, PhD, FACS  
Professor of Surgery, Tufts University  
Chair, Dept of Transplantation & HPB  
Lahey Clinic Medical Center  
Burlington, MA

**11:45 AM – 12:15 PM**  Is It Possible to be a Truly Altruistic Donor?  
Jason Freeman, MD, FACC  
Director, Interventional Cardiology  
South Nassau Communities Hospital  
Oceanside, NY

**12:15 PM – 12:45 PM**  Is There An Amount of Benefit That Balances A Donor Death?  
Rebecca Anderson, JD, MS, CGC  
Associate Professor  
University of Nebraska Medical Center  
Omaha, NE

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**Nurses:** Continuing nursing education credit available; see www.atcmeeting.org for more details.
Simultaneous Liver Kidney Transplantation: Stealing or Saving?

Moderators: Jayme Locke, MD, MPH, Assistant Professor of Surgery, University of Alabama at Birmingham, Birmingham, AL and Connie Davis, MD, Chief Medical Center, Skagit Regional Health, Mount Vernon, WA

11:15 AM – 11:45 AM  Acute and Chronic Kidney Disease in Cirrhotic Patients
Mitra Nadim, MD
Associate Professor of Clinical Medicine
University of Southern California
Los Angeles, CA

11:45 AM – 12:15 PM  Selection of Appropriate Candidates for SLK: Biopsies, Biomarkers, Criteria and Beyond
Michael Charlton, MD
Professor
Mayo Clinic
Rochester, MN

12:15 PM – 12:45 PM  Outcomes Following Simultaneous Liver Kidney Transplantation vs. Liver Transplant Alone
Josh Levitsky, MD
Associate Professor of Medicine
Northwestern Memorial Hospital
Chicago, IL

Debate: Relevance of Donor Specific Antibodies in Liver Transplantation

Moderators: Tomasz Kozlowski, MD, Associate Professor of Surgery, University of North Carolina, Chapel Hill, NC and Lorraine Racusen, MD, Professor of Pathology, John Hopkins University, Baltimore, MD

11:15 AM – 11:45 AM  Summary of Humoral Immunity Testing in Transplantation
Anat Tambur, DMD, PhD
Research Professor
Northwestern University
Chicago, IL

11:45 AM – 12:15 PM  Pro: Donor-Specific Antibodies are Important and Should be Performed in Liver Transplant Recipients
Jacqueline O'Leary, MD, MPH
Medical Director Inpatient Liver & Transplant Unit
Baylor University Medical Center
Dallas, TX

12:15 PM – 12:45 PM  Con: Donor-Specific Antibodies are Irrelevant in Liver Transplant Recipients
Julie Heimbach, MD
Associate Professor of Surgery
Mayo Clinic
Rochester, MN

Social Media and Organ Donation

Moderators: Titte Srinivas, MD, Professor of Medicine, Medical University of South Carolina, Charleston, SC and Nicole Turgeon, MD, Associate Professor of Surgery, Emory University, Atlanta, GA

11:15 AM – 11:45 AM  Defining Relevant Social Media and Technologies
Andrew Cameron, MD, PhD
Associate Professor
Johns Hopkins University
Baltimore, MD

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11:45 AM – 12:15 PM  The Facebook Experience
Sarah Feinberg
Director of Communications
Facebook
Palo Alto, CA

12:15 PM – 12:45 PM  The Donate Life Experience
G. David Fleming
President and CEO
Donate Life America
Richmond, VA

Approach to the Sensitized Patient Awaiting Heart Transplantation: Impact of the C1Q Assay
Moderators: Nancy Reinsmoen, PhD, Professor and Director of HLA Laboratory, Cedars-Sinai Medical Center, Los Angeles, CA and David Nelson, MD, Chief, Heart Transplant Medicine, INTEGRIS Baptist Medical Center of Oklahoma, Oklahoma City, OK

11:15 AM – 12:05 PM  Clinical Approach to Circulating Antibodies: Why are They bad, When to Treat and Use of the Virtual Crossmatch
Josef Stehlik, MD
Associate Professor of Medicine
University of Utah
Salt Lake City, UT

11:15 AM – 12:45 AM  Prophylactic Therapies in Sensitized Patients After Kidney Transplantation
E Steve Woodle, MD
Professor, Director of Transplant Surgery
University of Cincinnati College of Medicine
Cincinnati, OH

11:15 AM – 12:15 PM  Desensitization Therapies in Patients Awaiting Kidney Transplantation
Milagros Samaniego, MD
Professor of Medicine
University of Michigan Medical School
Ann Arbor, MI

11:40 AM – 12:05 PM  Clinical Approach to Circulating Antibodies: Why are They bad, When to Treat and Use of the Virtual Crossmatch
Josef Stehlik, MD
Associate Professor of Medicine
University of Utah
Salt Lake City, UT

11:15 AM – 12:45 AM  Assays to Detect Circulating Antibodies Including the C1q Assay
Andrea Zachary, PhD
Professor of Medicine
Johns Hopkins University School of Medicine
Baltimore, MD

11:15 AM – 12:15 AM  Desensitization: What Have We Learned?
Robert Montgomery, MD, PhD, FACS
Professor of Surgery
Johns Hopkins University
Baltimore, MD

11:45 AM – 12:15 PM  Desensitization Therapies in Patients Awaiting Kidney Transplantation
Milagros Samaniego, MD
Professor of Medicine
University of Michigan Medical School
Ann Arbor, MI

11:40 AM – 12:05 PM  Clinical Approach to Circulating Antibodies: Why are They bad, When to Treat and Use of the Virtual Crossmatch
Josef Stehlik, MD
Associate Professor of Medicine
University of Utah
Salt Lake City, UT

12:15 PM – 12:45 PM  Prophylactic Therapies in Sensitized Patients After Kidney Transplantation
E Steve Woodle, MD
Professor, Director of Transplant Surgery
University of Cincinnati College of Medicine
Cincinnati, OH

Program Tuesday, May 21, 2013
12:05 PM – 12:30 PM  Treatment Options for the Sensitized Patient  
Howard Eisen, MD  
Chief, Division of Cardiology  
Drexel University College of Medicine  
Philadelphia, PA

12:30 PM – 12:45 PM  Panel Discussion

12:45 PM – 1:00 PM  Break

12:30 PM – 12:45 PM  Panel Discussion

Utilization of Deceased Donor Kidneys

11:15 AM – 11:45 AM  The US Experience of Utilization with a Focus upon Analysis of Discarded Kidneys  
Darren Stewart, MS  
Biostatistician  
United Network for Organ Sharing  
Richmond, VA

11:45 AM – 12:15 PM  The European Experience of Utilization Focusing upon Biopsies for Evaluating Kidney Quality  
Axel Rahmel, PhD  
Professor  
Eurotransplant International Foundation  
Leiden, Netherlands

12:15 PM – 12:45 PM  SRTR Recommendations for Prospective Study  
Bertram Kasiske, MD  
Professor of Medicine, University of Minnesota  
Hennepin County Medical Center  
Minneapolis, MN

Program  Tuesday, May 21, 2013

Advances in Lung Transplantation

Moderators: Sangeeta Bhorade, MD, Associate Professor of Medicine, University of Chicago Hospitals, Chicago, IL and David Park Mason MD, Staff Surgeon, Cleveland Clinic, Cleveland, OH

11:15 AM – 11:40 AM  Genomics and Lung Transplantation  
R. Duane Davis, MD, MBA  
Director of Transplant Services  
Duke University Medical Center  
Durham, NC

11:40 AM – 12:05 PM  Mechanical Bridging to Lung Transplantation  
Martin Strueber, MD  
Professor  
Heart Center Leipzig  
Leipzig, Germany

12:05 PM – 12:30 PM  Advances in Immunosuppression after Lung Transplantation  
George Chaux, MD  
Associate Professor of Medicine  
Cedars-Sinai Medical Center  
Los Angeles, CA

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LUNCHEON WORKSHOPS – TICKETED EVENTS

1:00 PM – 2:00 PM

Experimental Protocols for Optimizing Donors

Sandy Feng, MD, PhD, Professor of Surgery, University of California-San Francisco, San Francisco, CA and Peter Abt, MD, Associate Professor of Surgery, Hospital of the University of Pennsylvania, Philadelphia, PA

Advanced Liver Transplant Pathology

Anthony Demetris, MD, Professor of Pathology, UPMC - Montefiore, Pittsburgh, PA and Maria Isabel Fiel, MD, Professor of Pathology, The Mount Sinai Medical Center, New York, NY

Challenging Cases of Kidney Transplant Pathology

Cintia Drachenberg, MD, Professor of Pathology, University of Maryland School of Medicine, Baltimore, MD and Fernando Cosio, MD, Internal Medicine Physician, Mayo Clinic Transplant Center, Rochester, MN

CTLA-4Ig: Good or Bad for Grafts?

Kenneth Newell, MD, PhD, Professor of Surgery, Emory University School of Medicine, Atlanta, GA and Maria-Luisa Alegre, MD PhD, Professor, The University of Chicago, Chicago, IL

NK cells: Effectors of Graft Injury or Necessary Components for Tolerance?

Joren Madsen, MD, PhD, Professor of Surgery, Massachusetts General Hospital, Boston, MA and Ronald Gill, PhD, Professor of Surgery and Scientific Director, CCTCARE, Aurora, CO

Donors with CNS Infections: What Are We Missing? A Case-Based Discussion

Michael Ison, MD, MS, Associate Professor, Northwestern University Comprehensive Transplant Center, Chicago, IL and Marshall Lyon, MD, Associate Professor of Medicine, Emory University, Atlanta, GA

FDA Session: Navigating the IND Regulations for Clinical Investigators

Marc W. Cavaillé-Coll, MD, PhD, Medical Officer, FDA, Washington, DC and Robert Ettenger, MD, Distinguished Professor of Pediatrics, David Geffen School of Medicine at UCLA, Los Angeles, CA

Growing Competitive Small Programs in the Current Environment

Lloyd Ratner, MD MPH, Professor of Surgery, Columbia University, New York, NY and, Matthew Cooper, MD, PhD, Professor of Surgery University of Pittsburgh, Pittsburgh, PA
Has the Pipeline Run Dry? Addressing Challenges of Multi-Drug Resistant Pathogens

Shahid Husain, MD, MS, Associate Professor of Medicine, Director, Transplant Infectious Diseases, University Health Network, University of Toronto, Toronto, Canada and David van Duin, MD, PhD, Assistant Professor, Cleveland Clinic Foundation, Cleveland, OH

Histocompatibility and Pathology of Antibody: New Tools and Old Tricks

Andrea Zachary, PhD, Professor of Medicine, Johns Hopkins University School of Medicine, Baltimore, MD and Ian Gibson, MD, Associate Professor, University of Manitoba, Winnipeg, Canada

Infectious Complications of Lung Transplantation: Meet the Experts

Phillip Zakowski, MD, Professor of Medicine, Cedars-Sinai Medical Center, Los Angeles, CA and Barbara Alexander, MD, Associate Professor of Medicine and Pathology, Duke University Medical Center, Durham, NC

Informed Consent When Risk of Infections Disease Transmission is Elevated

Richard Freeman, MD, Professor and Chair, Dartmouth Medical School, Hanover, NH and Emily Blumberg, MD, Professor of Medicine, Perelman School of Medicine of the University of Pennsylvania, Philadelphia, PA

Sensitization Before and After Heart Transplantation

Patricia Campbell, MBChB, Professor, University of Alberta, Edmonton, Canada and Jignesh Patel, MD, PhD, Associate Professor of Clinical Medicine, David Geffen School of Medicine at UCL, Medical Director, Heart Transplant Program, Beverly Hills, CA

Update in Clinical Pharmacology

Teun Van Gelder, MD, Professor in Clinical Pharmacology, Erasmus Medical Center Rotterdam, Rotterdam, Netherlands, and Christin Rogers, PharmD, BCPS, Clinical Pharmacy Coordinator - Solid Organ Transplant, Beth Israel Deaconess Medical Center, Boston, MA

BREAK
2:00 PM – 2:15 PM

CONCURRENT ABSTRACT SESSIONS
2:15 PM – 3:45 PM
ALLIED HEALTH SYMPOSIUM III: THEY HAVE SURVIVED — WHAT'S NEXT?: ADDING QUALITY TO SURVIVAL

ALLIED HEALTH • PHARMACY

2:15 PM – 5:00 PM

Moderators: Irene Feurer, MD, Research Professor of Surgery and Biostatistics, Vanderbilt University, Nashville, TN and Cheryl Jacobs, MSW, LICSW, Clinical Social Worker and Living Donor Advocate, University of Minnesota Medical Center, Minneapolis, MN

2:15 PM – 2:45 PM  The Importance of Assessing Quality of Life in Outcomes Research
Zeeshan Butt, PhD
Research Assistant Professor
Northwestern University Feinberg School of Medicine
Chicago, IL

2:45 PM – 3:15 PM  Mental Health and Quality of Life
Mary Amanda Dew, PhD
Professor of Psychiatry, Psychology, Epidemiology and Biostatistics
University of Pittsburgh School of Medicine
Pittsburgh, PA

3:15 PM – 3:45 PM  Caregiver Burden in Organ Transplantation
Amy M. Goetzinger, PhD
Assistant Professor
University of North Carolina at Chapel Hill
Chapel Hill, NC

3:45 PM – 4:15 PM  Facilitating Out-Patient Care in a Transplant Program
Jennifer Milton, BSN, MBA
Clinical Assistant Professor/Administrative Director
University of Texas Health Science Center at San Antonio
Boerne, TX

4:15 PM – 4:45 PM  Developing the Transplant Pharmacy Practice Model to Ensure Quality in Multidisciplinary Patient Management
Christy Truscott, PharmD
Clinical Pharmacist, Solid Organ Transplantation
Vanderbilt University Medical Center
Nashville, TN

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

THORACIC ALLOCATION IN THE US AND EUROPE — SUCCESSES AND DILEMNAS

ETHICS • LUNG • HEART • ALLOCATION

2:15 PM - 5:00 PM

Co-Sponsored by the International Society for Heart and Lung Transplantation (ISHLT)

Developments in Lung Allocation Policy: Lessons Learned
Moderators: David Mason, MD, Staff Surgeon, Cleveland Clinic, Cleveland, OH and R. Duane Davis, MD, MBA Director of Transplant Services, Duke University Medical Center, Durham, NC

2:15 PM – 2:45 PM  Lung Transplant Allocation: The European Experience
Martin Strueber, MD
Professor
Heart Center Leipzig
Leipzig, Germany

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Pharmacists: This activity is eligible for ACPE credit, see www.atcmeeting.org for more details.

Nurses: Continuing nursing education credit available; see www.atcmeeting.org for more details.
2:45 PM – 3:15 PM  
**Lung Transplantation in the US: Current and Emerging Allocation Dilemmas**  
Ed Garrity, MD, MBA  
Professor of Medicine, Associate Director  
University of Chicago  
Chicago, IL

3:15 PM – 3:45 PM  
**The Marginal Lung Donor – Novel Approaches to Increasing the Donor Pool**  
Cynthia Gries, MD, MSc  
Assistant Professor of Medicine  
University of Pittsburgh  
Pittsburgh, PA

3:45 PM – 4:15 PM  
**Ex Vivo Lung Perfusion (EVLP) – Can It Level the Field?**  
Tom Waddell, MD, PhD  
Chair, Division of Thoracic Surgery  
Toronto General Hospital  
Toronto, CA

4:15 PM – 4:45 PM  
Panel Discussion

2:55 PM – 3:35 PM  
**The Eurotransplant Heart Allocation Policy: A Case for Urgency**  
Hans Lehmkuhl, MD, PhD  
Chief Cardiologist  
German Heart Center  
Berlin, Germany

3:35 PM – 4:15 PM  
**A Heart Allocation Score: Is it Time for UNOS to make this Change?**  
Joseph Rogers, MD  
Staff Physician  
Duke University Health System  
Durham, NC

4:15 PM – 4:55 PM  
**The Impact of VADS on Heart Transplant Listing**  
Francis Pagani, MD, PhD  
Professor of Cardiac Surgery  
University of Michigan  
Ann Arbor, MI

**A Change of Heart: The Evolution of Heart Allocation Policy**  
Moderators: Monica Colvin-Adams, MD, MS, Assistant Professor of Medicine, University of Minnesota, Minneapolis, MN and Stuart Russell, MD, Associate Professor, Johns Hopkins Hospital, Baltimore, MD

2:15 PM – 2:55 PM  
**The UNOS 2006 Allocation Algorithm for Donor Hearts – A Five Year Perspective**  
John David Vega, MD  
Professor of Surgery  
Emory University School of Medicine  
Atlanta, GA

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**Program**

**Tuesday, May 21, 2013**

- **ASTS BUSINESS MEETING**
  6:00 PM – 7:00 PM

- **ATC NIGHT OUT**
  7:30 PM – 11:00 PM
Pre-Transplant Treatment of Hepatocellular Cancer: Keeping the Wolf at Bay

Moderators: Michael Curry, MD, Associate Professor of Medicine, Beth Israel Deaconess Medical Center, Boston, MA and Sunil Geesarghese, MD, MSCI, FACS, Assistant Professor of Surgery, Director, Vanderbilt Transplant Center, Vanderbilt University School of Medicine, Nashville, TN

7:00 AM – 7:25 AM Pre-operative Percutaneous Therapies for HCC
Riad Salem, MD
Professor of Radiology
Northwestern University
Chicago, IL

7:25 AM – 7:50 AM Who Should be Treated Pre-operatively
Michael Curry, MD
Associate Professor of Medicine
Beth Isreal Deaconess Medical Center
Boston, MA

7:50 AM – 8:15 AM Results from Downstaging Protocols
Francis Yao, MD
Professor of Clinical Medicine and Surgery, Medical Director of Liver Transplant
University of California, San Francisco
San Francisco, CA

Clinical Trials for Attenuating Ischemia Reperfusion

7:00 AM – 7:25 AM Diannexin in Ischemia Reperfusion Injury
Matthew Cooper, MD
Professor of Surgery
Medstar Georgetown Transplant Institute
Washington, DC

7:25 AM – 7:50 AM Use of 15-NP for the Prevention of Ischemia Reperfusion
V. Ram Peddi, MD
Director, Kidney Transplant Research Program
California Pacific Medical Center
San Francisco, CA

7:50 AM – 8:15 AM The Use of a Hapocyte Growth Factor for the Prevention of DGF
A. Osama Gaber, MD
Professor of Surgery
The Methodist Hospital/Cornell University
Houston, TX

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Immunosuppression and Pregnancy After Transplant

Moderators: Eric Tichy, PharmD, BCPS, Senior Clinical Pharmacy Specialist, Yale-New Haven Hospital, New Haven, CT and Jennifer Trofe-Clark, Pharm D, Adjunct Assistant Professor Renal Division, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA

7:00 AM – 7:25 AM
Review of Pregnancy Category Classifications and Recommendations for Immunosuppressants in Organ Transplant
Nicole Sifontis, PharmD
Clinical Professor
Temple University School of Pharmacy
Philadelphia, PA

7:25 AM – 7:50 AM
Review of National Transplant Pregnancy Registry Data Outcomes related to Immunosuppression
Vincent T Armenti, MD, PhD
Professor of Anatomy & Surgery, Principal Investigator
National Transplantation Pregnancy Registry
Gift of Life Institute
Philadelphia, PA

7:50 AM – 8:15 AM
The Role of the National Transplant Pregnancy Registry in Clinical Practice
Lisa Coscia, RN, BSN, CCTC
Senior Pregnancy Registry Research Coordinator
National Transplantation Pregnancy Registry
Gift of Life Institute
Philadelphia, PA

Living Kidney Transplantation Education for Minority Patients: Overcoming barriers, Building Strengths
Moderators: Jason Siegel, PhD, Research Associate Professor, Claremont Graduate University, Claremont, CA and James Rodrigue, PhD, Associate Professor, Beth Israel Deaconess Medical Center, Boston, MA

7:00 AM – 7:25 AM
Hispanic ESRD Patients: Barriers and Progress in Living Kidney Donation Education
Eusebio M. Alvaro, PhD
Research Professor
Claremont Graduate University
Claremont, CA

7:25 AM – 7:50 AM
Interventions to Overcome Interpersonal, Logistical and Financial Challenges to Live Kidney Donation Among African Americans
L. Ebony Boulware, MD, MPH
Associate Professor of Medicine and Epidemiology
Johns Hopkins Medical Center
Baltimore, MD

7:50 AM – 8:15 AM
Improving Knowledge and Awareness of Living Donor Transplant Among African American End-Stage Renal Disease Patients
Kimberly Jacob Arriola, PhD, MPH
Associate Professor
Rollins School of Public Health of Emory University
Atlanta, GA

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The New Face of VCA Programs

Moderators: Gerald Lipsbutz, MD, MS, Associate Professor in Residence, UCLA Health System, Los Angeles, CA and Linda Cendales, MD, Assistant Professor of Surgery, Emory University School of Medicine, Atlanta, GA

7:00 AM – 7:25 AM    Developing a Program and a Field: A Reconstructive Surgeon's Perspective
Eduardo D. Rodriguez, MD, DDS
Professor of Surgery
University of Maryland Medical Center
Baltimore, MD

7:25 AM – 7:50 AM    Research Priorities for VCA Over the Next Decade
W.P. Andrew Lee, MD
Professor and Chairman, Department of Plastic and Reconstructive Surgery
Johns Hopkins University School of Medicine
Baltimore, MD

7:50 AM – 8:15 AM    VCA Programs and OPOs
Tim Pruett, MD
Professor
University of Minnesota
Minneapolis, MN

Challenges and Controversies in Intestinal and Multivisceral Transplantation

Moderators: Douglas Farmer, MD, Professor of Surgery, Ronald Reagan UCLA Medical Center, Los Angeles, CA and Jorge Reyes, MD, Professor of Surgery, Chief of Transplant Surgery University of Washington, University of Washington, Seattle, WA

7:00 AM – 7:25 AM    Indications and Technique
Alan Langnas, DO
Professor of Surgery, Chief, Section of Transplant
University of Nebraska Medical Center
Omaha, NE

7:25 AM – 7:50 AM    Immunologic Challenges
Rakesh Sindhi, MD
Professor of Surgery
Children's Hospital of Pittsburgh of UPMC
Pittsburgh, PA

7:50 AM – 8:15 AM    Long-Term Outcomes
Kareem Abu-Elmagd, MD PhD
Director Transplant Center Cleveland Clinic
Cleveland, OH

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Vascularized Organ Xenotransplantation

Moderators: Gilles Blancho, MD, PhD, Professor of Medicine, Institute of Transplantation-Urology-Nephrology (ITUN), Nantes, France and Kazuhiko Yamada, MD, PhD, Associate Professor of Surgery, Harvard Medical School Massachusetts General Hospital, Boston, MA

7:00 AM – 7:25 AM  B Cell Depletion and Costimulatory Blockade in Pig-To-Baboon Heart Xenotransplantation
Muhammad Mohiuddin, MD
Chief, Transplantation Section
National Institutes of Health
Bethesda, MD

7:25 AM – 7:50 AM  Genetic Modification of Swine and Innate and Adaptive Immunity in Lung Xenotransplantation
Agnes Azimzadeh, PhD
Associate Professor of Surgery
University of Maryland School of Medicine
Baltimore, MD

7:50 AM – 8:15 AM  Genetic Modification of Donor Pigs to Control Coagulation Dysregulation
Peter Cowan, PhD
Professor
St. Vincent's Hospital Melbourne
Melbourne, Australia

CONCURRENT ABSTRACT SESSIONS

8:30 AM – 10:00 AM

COFFEE BREAK

10:00 AM – 10:15 AM

INNOVATORS IN TRANSPANTATION

10:15 AM – 11:30 AM

10:15 AM – 10:30 AM  Introduction
A Benedict Cosimi, MD
Claude E. Welch Prof Emeritus of Surgery, HMS
Massachusetts General Hospital
Boston, MA

10:30 AM – 11:00 AM  Paul Terasaki, PhD
Professor of Surgery, UCLA, Emeritus
Terasaki Foundation Laboratory
Los Angeles, CA

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### AMERICAN TRANSPLANT CONGRESS
Seattle, WA • May 18–22, 2013

#### Program Date

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<th>Time</th>
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<tr>
<td>11:00 AM – 11:30 AM</td>
<td><strong>Innovators on Transplantation</strong>&lt;br&gt;Clyde F. Barker, MD&lt;br&gt;Title&lt;br&gt;Hospital of the University of PA&lt;br&gt;Philadelphia, PA</td>
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<td>11:30 AM – 12:30 PM</td>
<td><strong>LUNCH BREAK</strong></td>
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<td>12:30 PM – 1:30 PM</td>
<td><strong>JOINT PLENARY</strong>  <strong>BASIC/CLINICAL</strong></td>
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<td><strong>BREAK</strong></td>
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#### WHAT’S HOT, WHAT’S NEW

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<th>Time</th>
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<tr>
<td>1:45 PM – 2:45 PM</td>
<td><strong>WHAT’S HOT, WHAT’S NEW</strong></td>
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<td>1:45 PM – 2:15 PM</td>
<td><strong>Basic</strong>&lt;br&gt;Robert Fairchild, PhD&lt;br&gt;Professor of Molecular Medicine&lt;br&gt;Cleveland Clinic&lt;br&gt;Cleveland, OH</td>
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<td>2:15 PM – 2:45 PM</td>
<td><strong>Clinical</strong>&lt;br&gt;Dorry Segev, MD, PhD&lt;br&gt;Associate Professor of Surgery, Epidemiology, and Biostatistics&lt;br&gt;Johns Hopkins University&lt;br&gt;Baltimore, MD</td>
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