



# AST Fellows Symposium on Transplantation Medicine

September 25-27, 2015

HiltonDFWLakesExecutiveConferenceCenter • Grapevine, TX

## Program

*General Session Room is Val Verde*

### Friday, September 25, 2015

11:30 am - 12:20 pm Lunch with the Faculty  
Windfall Dining Room

#### General Session 1

**12:30 pm - 3:30 pm** **Innate Immunity in Transplantation**  
*Moderators: Robert L. Fairchild, PhD and John S. Gill, MD*

12:30 pm Welcome Remarks  
*Robert L. Fairchild, PhD and John S. Gill, MD*

12:40 pm Case Discussion – Bedside to Bench  
*Jay A. Fishman, MD*

1:00 pm Overview: What Does the Immune Response to an Allograft Look Like?  
Identifying the Players and Targets to Improve Graft Outcome  
*Robert L. Fairchild, PhD*

1:30 pm Innate Immunity in Clinical Practice: The Impact of DGF on Outcomes and  
Potential Therapeutic Targets  
*Roslyn Mannon, MD*

2:15 pm Innate Immunity, the Microbiome and Infection in Transplant Patients  
*Jay A. Fishman, MD*

3:00 pm Why Does this Matter in Clinical Practice? Questions and Discussion  
*All Speakers*

3:30 pm - 3:45 pm Break

#### Breakout Sessions I

*Choose one of five options*

3:45 pm - 5:15 pm **Organ Specific Breakouts: Early Management Issues, Medical and Surgical Decision Making  
OR Immunosuppression Management**

##### **Kidney**

*Kenneth A. Newell, MD, PhD, Alexander Wiseman, MD  
and Andrew Adams, MD, PhD*  
International Ballroom

##### **Liver**

*Josh Levitsky, MD and Derek A. Dubay, MD*  
Cap Rock

##### **Heart**

*Darren Freed, MD, PhD and John Gill MD*  
Spicewood

##### **Lung**

*James S. Allan, MD, MBA and Laurie D. Snyder MD, MHS*  
Ste. Genevieve

**Immunosuppression Management- A Focus on Patient  
Specific Factors Including Pharmacokinetics,  
Pharmacodynamics and Drug Interactions**

*Christin Rogers, PharmD*  
Su Vino

**5:45pm - 7:30 pm**      **Career Session with the Faculty and Reception**  
International Ballroom

**7:30 pm - 10:00 pm**      **Dinner with the Faculty**  
Windfall Dining Room

## **Saturday, September 26, 2015**

6:30 am - 7:30 am      Breakfast  
Windfall Dining Room

### **Breakfast Breakout Sessions**

*Grab your breakfast and choose to attend one of four optional sessions*

**6:45 am – 7:45 am**      **Career Advice and Networking Connections**

*For Clinicians*  
Val Verde

*For Researchers*  
Spicewood

*For Pharmacists*  
Su Vino

*For Pediatricians*  
Ste. Genevieve

### **General Session 2**

**8:00 am - 11:30 am**      **Antibody-mediated Rejection**  
*Moderator: Roslyn B. Mannon, MD*

8:00 am      Basics of B Cells – How They Develop, Where They Go, and How They Differentiate to Become Antibody Producing Cells  
*Maria-Luisa Alegre, MD, PhD*

8:30 am      HLA Typing and Detection of Sensitized Patients  
*Howard M. Gebel, PhD*

9:00 am      Histopathologic Features of Antibody-mediated Rejection  
*Michael Mengel, MD*

9:30 am - 9:45 am      Break

9:45 am      Current Strategies in Transplanting the Sensitized Patient and Controlling Donor-reactive Antibody Responses  
*Alexander Wiseman, MD*

10:15 am      The Role of the HLA Laboratory in Facilitation of KPD Transplantation  
*Howard M. Gebel, PhD*

10:45 am      Importance of Antibody Mediated Rejection in Liver Transplantation  
*Andrew Adams, MD, PhD*

11:15 am      Questions and Discussion  
*All Speakers*

11:30 am - 12:30 pm      Lunch  
Windfall Dining Room

## Breakout Sessions II

Choose one of two options

12:30 pm - 2:00 pm	Infectious Transplantation International Ballroom	12:30 pm - 2:00 pm	Transplant Immunology Boot Camp I Val Verde
12:30 pm	Overview of Infection in Transplant Recipients <i>Jay A. Fishman, MD</i>	12:30 pm	T cell Activation <i>Leonardo Riella, MD, PhD</i>
1:00 pm	Emerging Treatment of Hepatitis C <i>Josh Levitsky, MD</i>	1:00 pm	Functional Differentiation of T cells <i>Maria-Luisa Alegre, MD, PhD</i>
1:30 pm	Viral Mediated Graft Pathology <i>Michael Mengel, MD</i>	1:30 pm	Clinical Assays of T cell Function <i>Robert L. Fairchild, PhD</i>
2:00 pm - 2:15 pm	Break		

## General Session 3

2:15 pm – 2:45 pm	How to Write a Grant <i>Kenneth A. Newell, MD, PhD and Maria-Luisa Alegre, MD, PhD</i>
2:45 pm – 3:15 pm	How to Prepare and Submit a Manuscript <i>Robert L. Fairchild, PhD and John Gill, MD</i>
3:15 pm – 3:45 pm	Ethics and Incentives/Disincentives <i>John S. Gill, MD and James S. Allan, MD</i>

## Breakout Sessions III

Choose one of six options

### 4:00 pm - 5:30 pm Organ Specific Breakouts OR Pediatrics OR Transplant Immunology Boot Camp II

**Kidney: Allocation and Options for the Diabetic Patient: SPK, PAK, and Islets**  
*Kenneth A. Newell, MD, PhD and Alexander Wiseman, MD*  
International Ballroom

**Liver: Allocation and Combined Liver-Kidney Transplant**  
*Josh Levitsky, MD, and Derek A. Dubay, MD*  
Cap Rock

**Heart: Allocation and Combined Heart-Kidney Transplant**  
*Darren Freed, MD, PhD, and John Gill, MD*  
Spicewood

**Lung: Allocation, Organ Preservation**  
*James S. Allan, MD, MBA and Laurie D. Snyder MD, MHS*  
Ste. Genevieve

**Pediatrics**  
*Vikas R. Dharnidharka, MD, MPH*  
Su Vino

**Transplant Immunology Boot Camp II**  
Delaney

Innate Mechanisms of Allograft Dysfunction  
*Robert L. Fairchild, PhD*

T cell Mechanisms of Acute Allograft Rejection  
*Maria-Luisa Alegre, MD, PhD*

Mechanisms of Chronic Allograft Rejection  
*Leonardo Riella, MD, PhD*

5:30 pm	Adjourn
6:00 pm – 7:30 pm	Fellows and Faculty Networking Recreation (sand volleyball, basketball, soccer, tennis) Hilton Lawn
8:00 pm - 11:00 pm	Texas Style Dinner and Dancing at Austin Ranch

## Sunday, September 27, 2015

7:00 am - 8:00 am      Breakfast  
Windfall Dining Room

### General Session 4

**8:00 am – 9:30 am**      **Running Interference to Prevent Graft Loss**  
*Moderator: James S. Allan, MD, MBA and Josh Levitsky, MD*

8:00 am                      Immunosuppression: Basic Strategies, How They Work, and Novel Immunosuppression  
*Roslyn B. Mannon, MD*

8:45 am                      Immune Monitoring of the Transplant Recipient  
*Alexander Wiseman, MD*

9:15 am                      What are the Barriers/Challenges in Costimulatory Blockade Strategies  
(Bench and long term results – clinical)  
*Andrew Adams, MD, PhD*

9:45 am – 10:00 am      Break

### General Session 5

**10:00 am – 11:15 am**      **Tolerance - Closing in on an Elusive Goal**  
*Moderators: Robert L. Fairchild, PhD and John Gill, MD*

10:00 am                      Tolerance: What is It and How Do We Do It in Animals?  
*Leonardo Riella, MD, PhD*

10:30 am                      Tolerance in Patients: Is It Possible and What Does It Look Like When It Happens?  
Can the Candidate Pool be Expanded?  
*Kenneth A. Newell, MD, PhD*

11:00 am                      Why Does This Matter in Clinical Practice? Questions and Discussion  
*All Speakers*

11:30 am                      Adjourn