



# AST Fellows Symposium on Transplantation Medicine

September 19-21, 2014

HiltonDFWLakesExecutiveConferenceCenter • Grapevine, TX

## Program

*General Session Room is Val Verde*

### Friday, September 19, 2014

Noon - 12:50 pm Lunch with the Faculty  
*Windfall Dining Room*

#### General Session 1

**12:50 pm - 3:30 pm** **Innate Immunity in Transplantation**  
*Moderators: Robert L. Fairchild, PhD and John S. Gill, MD*

12:50 pm Welcome Remarks  
*Robert L. Fairchild, PhD and John S. Gill, 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  
*Maria-Luisa Alegre, MD, PhD and Kenneth A. Newell, MD, PhD*

2:15 pm Innate Immune Responses to Infections 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**

##### **Kidney**

*Kenneth A. Newell, MD, PhD and  
Alexander Wiseman, MD*

##### **Liver**

*Josh Levitsky, MD and Shawn J. Pelletier, MD*

##### **Heart**

*David P. Nelson, MD and John S. Gill, MD*

##### **Lung**

*James S. Allan, MD, MBA*

##### **Pediatrics**

*Vikas R. Dharnidharka, MD, MPH*

**5:45pm - 7:30 pm** **Meet the Faculty and Career Panel Welcome Reception**

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

## Saturday, September 20, 2014

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

### Breakfast Breakout Sessions

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

**7:00 am – 8:00 am      Career Advice and Networking Connections**

For Clinicians

For Researchers

### General Session 2

**8:00 am - 11:30 am      Antibody-mediated Rejection**  
*Moderator: Michael Mengel, 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  
*Kathryn Tinckam, MD, MMSc, FRCPC*

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

9:30 am - 9:45 am      Break

9:45 am                      How Does Antibody Injure Cells?  
*Robert L. Fairchild, PhD*

10:15 am                      Current Strategies in Transplanting the Sensitized Patient and Controlling Donor-reactive Antibody Responses  
*Alexander Wiseman, MD*

10:45 am                      What Went Wrong and How Did the Lab Help Fix It  
*Kathryn Tinckam, MD, MMSc, FRCPC*

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 | Clinical: Overarching Overviews   | 12:30 pm - 2:00 pm | Transplant Immunology Boot Camp I   |
|--------------------|---|--------------------|---|
| 12:30pm            | Cancer/PTLD<br><i>Vikas R. Dharnidharka, MD, MPH</i>                        | 12:30 pm           | T cell Activation<br><i>Leonardo Riella, MD, PhD</i>                        |
| 1:00 pm            | Overview of Infection in Transplant Recipients<br><i>Jay A. Fishman, MD</i> | 1:00 pm            | Functional Differentiation of T cells<br><i>Maria-Luisa Alegre, MD, PhD</i> |
| 1:30 pm            | Overview of the Transplant Biopsy<br><i>Michael Mengel, MD</i>              | 1:30 pm            | Clinical Assays of T cell Function<br><i>Robert L. Fairchild, PhD</i>       |
| 2:00 pm - 2:15 pm  | Break   |                    |   |

## Breakout Sessions III:

Choose one of five options

### 2:15 pm - 3:45 pm Organ Specific Breakouts OR Allocation and 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*

#### Liver: Allocation and Combined Liver-Kidney Transplant

*Josh Levitsky, MD, Vikas R. Dharnidharka, MD, MPH and Shawn J. Pelletier, MD*

#### Heart: Allocation and Combined Heart-Kidney Transplant

*John S. Gill, MD and David P. Nelson, MD*

#### Lung: Allocation, Organ Preservation

*James S. Allan, MD, MBA*

#### Transplant Immunology Boot Camp II

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*

## General Session 3

|                    |  |
|--------------------|--|
| 4:00 pm – 4:45pm   | How to Write a Grant<br><i>Robert L. Fairchild, PhD and Maria-Luisa Alegre, MD, PhD</i>          |
| 4:45 pm – 5:30 pm  | How to Prepare and Submit a Manuscript<br><i>Kenneth A. Newell, MD, PhD and John S. Gill, MD</i> |
| 5:30 pm            | Adjourn  |
| 6:00 pm – 7:30 pm  | Recreation and Reception (sand volleyball, basketball, soccer, tennis) - <i>Hilton Park</i>      |
| 8:00 pm - 11:00 pm | Texas Style Dinner and Dancing - <i>Austin Ranch Round Up Room</i>                               |

## Sunday, September 21, 2014

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: Robert L. Fairchild, PhD*

8:00 am                      Immunosuppression: Basic Strategies, How They Work, and Novel Immunosuppression  
*Kenneth A. Newell, MD, PhD*

8:40 am                      Immune Monitoring of the Transplant Recipient  
*Alexander Wiseman, MD*

9:05 am                      Drugs: How to Use Them Safely  
Introduction to Pharmacokinetics, Pharmacodynamics, Drug Interactions  
*Christin Rogers, PharmD, FCCP, BCPS*

9:30 am - 9:45 am      Break

### General Session 5

**9:45 am – 11:15 am      Tolerance - Closing in on an Elusive Goal**

*Moderators: Maria-Luisa Alegre, MD, PhD and James S. Allan, MD, MBA*

9:45 am                      Tolerance: What is It and How Do We Do It in Animals?  
*Leonardo Riella, MD, PhD*

10:15 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*

10:45 am                      Why Does This Matter in Clinical Practice? Questions and Discussion  
*All Speakers*

11:15 am - 11:30 am      Break

### General Session 6

**11:30 am - 12:30 pm      Living Donation**

Risks and Controversies in Living Donation  
Kidney and Liver

*John S. Gill, MD, Kenneth A. Newell, MD, PhD and Shawn J. Pelletier, MD*

12:15 pm                      Questions and Discussion  
*All Speakers*