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

5:45 pm - 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*

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<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>7:00 am – 8:00 am</td>
<td>Career Advice and Networking Connections</td>
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<td>For Clinicians</td>
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<td>For Researchers</td>
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**General Session 2**

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<th>Time</th>
<th>Topic</th>
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| 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* |
| 9:45 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

**Clinical: Overarching Overviews**
12:30 pm - 2:00 pm

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<tr>
<td>12:30 pm</td>
<td>Cancer/PTLD</td>
<td>Vikas R. Dharnidharka, MD, MPH</td>
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<tr>
<td>1:00 pm</td>
<td>Overview of Infection in Transplant Recipients</td>
<td>Jay A. Fishman, MD</td>
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<tr>
<td>1:30 pm</td>
<td>Overview of the Transplant Biopsy</td>
<td>Michael Mengel, MD</td>
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**Transplant Immunology Boot Camp I**
12:30 pm - 2:00 pm

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<tr>
<td>12:30 pm</td>
<td>T cell Activation</td>
<td>Leonardo Riella, MD, PhD</td>
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<td>1:00 pm</td>
<td>Functional Differentiation of T cells</td>
<td>Maria-Luisa Alegre, MD, PhD</td>
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<td>1:30 pm</td>
<td>Clinical Assays of T cell Function</td>
<td>Robert L. Fairchild, PhD</td>
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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**

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<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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<tr>
<td></td>
<td>Innate Mechanisms of Allograft Dysfunction</td>
<td>Robert L. Fairchild, PhD</td>
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<td>T cell Mechanisms of Acute Allograft Rejection</td>
<td>Maria-Luisa Alegre, MD, PhD</td>
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<td>Mechanisms of Chronic Allograft Rejection</td>
<td>Leonardo Riella, MD, PhD</td>
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### General Session 3

4:00 pm – 4:45pm

How to Write a Grant
Robert L. Fairchild, PhD and Maria-Luisa Alegre, MD, PhD

4:45 pm – 5:30 pm

How to Prepare and Submit a Manuscript
Kenneth A. Newell, MD, PhD and John S. Gill, MD

5:30 pm

Adjourn

6:00 pm – 7:30 pm

Recreation and Reception (sand volleyball, basketball, soccer, tennis) - Hilton Park

8:00 pm - 11:00 pm

Texas Style Dinner and Dancing - Austin Ranch Round Up Room
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*