Thursday, October 6, 2016

7:30 – 8:30 am  Registration, Refreshments, and Poster Viewing
                 (LOBBY AND BALLROOM A, FIRST FLOOR)

MAIN MEETING SESSION:  BALLROOM B, SECOND FLOOR

8:30 – 8:40 am  Welcome and Opening Remarks
                 Mark T. Gladwin, MD
                 Rama Mallampalli, MD

8:40 – 9:00 am  Immune Tolerance in Maintenance of Lung Health and Loss in Disease
                 Anuradha Ray, PhD

Session 1:  IMMUNE RESPONSE AND INFLAMMATION IN DEFENSE AGAINST RESPIRATORY PATHOGENS
            Session Chairs:  John V. Williams, MD & Dr. PD Dieter Jenne

9:00 – 9:05 am  Session Chair Introduction

9:05 – 9:30 am  Designing the Ideal Vaccine for Protective Immunity to Respiratory Syncytial Virus
                 Barney Graham, MD, PhD

9:30 – 9:55 am  Th17 Cells and Defense against Lung Pathogens
                 Jay K. Kolls, MD

9:55 – 10:10 am  Short Talk:
                  Anti-inflammatory Mechanisms in Defense against Bacterial Infection of the Lung
                  Krishnendu Chakraborty, PhD

10:10 – 10:35 am  Viral Pneumonia and Lung CD8+ T Cell Impairment:
                   Putting the Brakes on Inflammation
                   John V. Williams, MD

10:35 – 10:50 am  Refreshment Break and Poster Viewing
                   (BALLROOM A, FIRST FLOOR)

10:50 – 11:15 am  Enhancing Host Defenses to Counter MDR Gram-negative Bacterial Pneumonias
                   Janet S. Lee, MD
11:15 – 11:40 am  Enhanced Interferon Signaling and Protection from Lethal Viral Infection  
Michael Holtzman, MD

11:40am-12:00pm  Panel Discussion

12:00 – 12:30 pm  Guest Lecture:  
NHLBI’s Strategic Vision for Lung Disease  
Patricia Noel, PhD

12:30 – 1:30 pm  Buffet Lunch (provided)  
(GOLD ROOM, SECOND FLOOR)

1:30 – 2:30 pm  Interactive Session with Journal Editors from JCI and Science Immunology

---

**Session 2:**  
**IMMUNE RESPONSE AND INFLAMMATION IN PROMOTION OF LUNG DISEASES**  
Session Chairs: Melanie Königshoff, MD, PhD & Yutong Zhao, MD, PhD

2:30 – 2:35 pm  Session Chair Introduction

2:35 – 3:00 pm  Infectious Agents and Promotion of Sarcoidosis  
Wonder Drake, MD

3:00 – 3:25 pm  Serine Proteases of Neutrophils: Intensifiers of Defense and Destruction  
Dr. PD Dieter Jenne

3:25 – 3:45 pm  Refreshment Break and Poster Viewing  
(BALLROOM A, FIRST FLOOR)

3:45 – 4:00 pm  Short Talk:  
IL-25 Receptor in Macrophages and Regulation of Lung Inflammation  
Nathaniel Weathington, MD, PhD

4:00 – 4:25 pm  Defects in Innate Immunity and Inflammatory Responses Revealed in CFTR Knockout Ferrets  
John Engelhardt, PhD

4:25 – 4:50 pm  Engaging the Innate Immune System and Decreased Risk of Asthma  
Anne I. Sperling, PhD

4:50 – 5:10 pm  Panel Discussion

5:10 pm  Adjournment
5:15 – 6:30 pm  **Poster Reception**  
(BALLROOM A, FIRST FLOOR)

6:15 – 6:50 PM  **Travel Time to Banquet Dinner**  
TRANSPORTATION PROVIDED BY MOLLY’S TROLLEY’S

7:00 – 10:00 pm  **Banquet Dinner and Keynote Presentation:**  
(PHIPPS CONSERVATORY AND BOTANICAL GARDENS)  
*Trawling for Treasure: Tales of T-bet*  
Laurie Glimcher, MD

---

**Friday, October 7, 2016**

8:00 – 8:30 am  **Registration, Refreshments, and Poster Viewing**  
(LOBBY AND BALLROOM A, FIRST FLOOR)

**MAIN MEETING SESSION: BALLROOM B, SECOND FLOOR**

8:30 – 8:50 am  **Opening Remarks**  
Oliver Eickelberg  
Anuradha Ray, PhD

<table>
<thead>
<tr>
<th>Session 3:</th>
<th>CUTTING-EDGE TECHNOLOGIES TO PROBE IMMUNE CELLS AND RELEVANCE IN LUNG DISEASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Session Chairs:</td>
<td>Silke Meiners, PhD &amp; Prabir Ray, PhD</td>
</tr>
</tbody>
</table>

8:50 – 8:55 am  **Session Chair Introduction**

8:55 – 9:20 am  **Studying the Secretome of Immune Cells and Relevance in Lung Disease**  
Felix Meissner, PhD

9:20 – 9:35 am  **Short Talk:**  
Intravital Imaging of Lung Inflammation in Sickle Cell Disease  
Prithu Sundd, PhD

9:35 – 10:00am  **Next-Gen Sequencing to Identify Genetic Susceptibility Factors in ARDS and Severe Sepsis**  
David Christiani, MD, MPH

10:00 – 10:45am  **Refreshment Break and Poster Viewing**  
(BALLROOM A, FIRST FLOOR)

10:45 – 11:00am  **Short Talk:**  
Use of Seahorse Biosciences System to Assay Metabolism of Immune Cells  
Sruti Shiva, PhD
11:00 – 11:25am  Near Infra-red Fluorescent Imaging of Inflammation  
Prof. Dr. Vasilis Ntziachristos

11:25 – 11:45am  Panel Discussion

11:45am-12:15pm  Guest Lecture:  
NIAID’s Strategic Vision for Immunology of Lung Disease  
Alkis Togias, MD

12:15 – 1:30pm  Buffet Lunch (provided)  
(GOLD ROOM, SECOND FLOOR)

---

**Session 4:**  
TARGETING THE IMMUNE SYSTEM TO TREAT LUNG DISEASES  
Session Chairs: Mauricio Rojas, MD & Dr. Ali Önder Yildirim

1:30 – 1:35pm  Session Chair Introduction

1:35 – 2:00pm  Correctors and Potentiators: Multi-prong Approach to Targeting Infection and Inflammation in Cystic Fibrosis  
Bonnie Ramsey, MD

2:00 – 2:25pm  IL-33: A Viable Target in Cigarette Smoke-mediated Exacerbation of Response to Lung Infection?  
Alison Humbles, PhD

2:25 – 2:50pm  Targeting GATA-3 in Human Asthma  
Prof. Harald Renz

2:50 – 3:10pm  Refreshment Break and Poster Viewing  
(BALLROOM A, FIRST FLOOR)

3:10 – 3:35pm  Targeting the Immunoproteasome to Regulate Lung Immune Responses  
Silke Meiners, PhD

3:35 – 4:00pm  Targeting Immune Pathways with Small Molecule Inhibitors to Block Lung Transplant Rejection  
John McDyer, MD

4:00 – 4:20pm  Panel Discussion

4:20 – 5:00pm  Awards Ceremony

5:00 – 5:15pm  Concluding Remarks  
Rama Mallampalli, MD  
Oliver Eickelberg, PhD

5:15pm  Adjournment