



2016 PITTSBURGH-MUNICH INTERNATIONAL LUNG CONFERENCE
Lung Immune Responses and Inflammation in Health and Disease
PROGRAM AGENDA

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 <i>Session Chairs: Melanie Königshoff, MD, PhD & Yutong Zhao, MD, PhD</i>
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- 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

Session 3:	CUTTING-EDGE TECHNOLOGIES TO PROBE IMMUNE CELLS AND RELEVANCE IN LUNG DISEASE <i>Session Chairs: Silke Meiners, PhD & Prabir Ray, PhD</i>
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- 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 <i>Session Chairs: Mauricio Rojas, MD & Dr. Ali Önder Yildirim</i>
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- 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**