



2018 PITTSBURGH INTERNATIONAL LUNG CONFERENCE
Pulmonary Medicine: Basic Biology and Novel Therapies
PROGRAM AGENDA

Thursday, October 4, 2018

7:00 – 8:00 am **Registration, Refreshments, and Poster Viewing**
(LOBBY AND BALLROOM A, FIRST FLOOR)

MAIN MEETING SESSION: BALLROOM B, SECOND FLOOR

8:00 – 8:15 am **Welcome and Opening Remarks**
Rama K. Mallampalli, MD; University of Pittsburgh School of Medicine
Alvar Agusti, MD; University of Barcelona

Session 1: CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)
Session Chairs: Robert A. Wise, MD; Johns Hopkins University
Frank Sciruba, MD; University of Pittsburgh School of Medicine

8:15 – 8:20 am **Session Chair Introduction**

8:20 – 8:40 am **COPD Comorbidities**
Jessica Bon, MD, MS
University of Pittsburgh School of Medicine

8:40 – 9:00 am **COPD Systems Biology**
Alvar Agusti, MD, PhD, FRCP, FERS
University of Barcelona

9:00 – 9:10 am *Short Talk:*
Thinking Inside the F-box in COPD
Divay Chandra, MD, MSc
University of Pittsburgh School of Medicine

9:10 – 9:30 am **Genetic Determinants of COPD**
R Graham Barr, MD, PhD
Columbia University

9:30 – 9:50 am **Lung-Cigarette Interactions in Emphysema**
Enid R. Neptune, MD
Johns Hopkins University

9:50 – 10:10 am **COPD 2020: Where Will We Be?**
Bartolome R. Celli, MD
Brigham and Women's Hospital

10:10 – 10:25 am **Panel Discussion**

- 10:25 – 10:40 am **Refreshment Break and Poster Viewing**
(BALLROOM A, FIRST FLOOR)
- 10:40 – 11:00 am *Special Lecture:*
The NHLBI's Strategic Vision for Training
Neil Aggarwal, MD
National Heart, Lung, and Blood Institute (NHLBI)
- 11:00am-12:00pm **The Pulmonary Chiefs: Challenges to Maintain a Pipeline to Pulmonary Academic Medicine**
Jason D. Christie, MD, MSCE; University of Pennsylvania
Bruce Levy, MD; Brigham and Women's Hospital
Rama K. Mallampalli, MD; University of Pittsburgh School of Medicine
Jonathan B. Orens, MD; Johns Hopkins University
- 12:00 – 1:00 pm **Buffet Lunch (provided)**
(GOLD ROOM, SECOND FLOOR)
- 1:00 – 1:25 pm **Poster Viewing**
(BALLROOM A, FIRST FLOOR)

Session 2:	ACUTE RESPIRATORY DISTRESS SYNDROME (ARDS)
<i>Session Chairs:</i>	<i>Nilam S. Mangalmurti, MD; University of Pennsylvania</i> <i>Roy G. Brower, MD; Johns Hopkins University</i> <i>Bryan McVerry, MD; University of Pittsburgh School of Medicine</i>

- 1:25 – 1:30 pm **Session Chair Introduction**
- 1:30 – 1:50 pm **Genetic Determinants of ARDS Outcomes**
Nuala J. Meyer, MD, MS
University of Pennsylvania
- 1:50 – 2:00 pm *Short Talk:*
Can We Resolve ARDS?
Raja-Elie Abdunour, MD
Brigham and Women's Hospital
- 2:00 – 2:20 pm **The Epithelial Cell at the Frontline of Host Defense in ALI**
Yutong Zhao, PhD
Ohio State University College of Medicine
- 2:20 – 2:40 pm **Host-pathogen Interactions in ARDS**
Charles Dela Cruz, MD, PhD
Yale School of Medicine
- 2:40 – 3:00 pm **The T Cell in Acute Lung Injury: Friend or Foe?**
Franco R. D'Alessio, MD
Johns Hopkins University

3:00 – 3:15 pm

Panel Discussion

3:15 – 3:35 pm

Refreshment Break and Poster Viewing
(BALLROOM A, FIRST FLOOR)

Session 3:

ASTHMA

Session Chairs:

Bruce Levy, MD; Brigham and Women's Hospital

Sally Wenzel, MD; University of Pittsburgh School of Medicine

3:35 – 3:40 pm

Session Chair Introduction

3:40 – 3:50 pm

Short Talk:

Asthma and Neuroimmune Interactions

Patrick R. Burkett, MD, PhD

Brigham and Women's Hospital

3:50 – 4:10 pm

Asthma Biomarkers

Nadia N. Hansel, MD, MPH

Johns Hopkins University

4:10 – 4:30 pm

Mechanisms of Steroid Resistance in Asthma

Anuradha Ray, PhD

University of Pittsburgh School of Medicine

4:30 – 4:50 pm

Plasma Biomarkers, Metabolism, and Severe Asthma

Michael Peters, MD

University of California at San Francisco

4:50 – 5:10 pm

**Asthma Therapy Discovery:
Lessons from the NIH CADET Program**

Geoffrey L. Chupp, MD

Yale School of Medicine

5:10 – 5:25 pm

Panel Discussion

5:25 pm

Adjournment

5:30 – 6:45 pm

Poster Reception

(BALLROOM A, FIRST FLOOR)

6:45 – 7:00 PM

Travel Time to Banquet Dinner

7:00 – 10:00 pm

Banquet Dinner and Keynote Presentation

SOLDIERS & SAILORS MEMORIAL HALL & MUSEUM

(please present your banquet dinner ticket at the door for admittance)

**Cellular Senescence Links Aging to Age-related Disease,
Including Lung Disease**

Judith Campisi, PhD

*Buck Institute for Research on Aging and
Lawrence Berkeley National Laboratory*

Friday, October 5, 2018

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 – 8:35 am **Welcome and Opening Remarks**
John F. McDyer, MD; University of Pittsburgh School of Medicine
Daniel J. Kass, MD; University of Pittsburgh School of Medicine

Session 4: <i>Session Chairs:</i>	INTERSTITIAL LUNG DISEASE (ILD) <i>Michael F. Beers, MD; University of Pennsylvania</i> <i>Daniel Kass, MD; University of Pittsburgh School of Medicine</i>
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8:35 – 8:40 am **Session Chair Introduction**

8:40 – 9:00 am **Telomere Shortening in Lung Fibrosis: From Research to Clinics**
Maria Molina-Molina, MD, PhD
University of Barcelona

9:00 – 9:20 am **Agging and Fibrosis: The Common Telomere Thread**
Jonathan K. Alder, PhD
University of Pittsburgh School of Medicine

9:20 – 9:30 am *Short Talk:*
The Microbiome in Idiopathic Pulmonary Fibrosis
Georgios Kitsios, MD, PhD
University of Pittsburgh School of Medicine

9:30 – 9:50 am **Durotaxis: The Stiff Road to Pulmonary Fibrosis**
David Lagares, PhD
Harvard Medical School

9:50 – 10:10 am **Can We Treat ILD in Systemic Sclerosis?**
Robyn T. Domsic, MD, MPH
University of Pittsburgh School of Medicine

10:10 – 10:25 am **Panel Discussion**

10:25 – 10:35 am **Refreshment Break and Poster Viewing**
(BALLROOM A, FIRST FLOOR)

Session 5: INTERVENTIONAL PULMONARY
Session Chairs: David Feller-Kopman, MD; Johns Hopkins University
Roy Semaan, MD; University of Pittsburgh School of Medicine

- 10:35 – 10:40 am **Session Chair Introduction**
- 10:40 – 11:00 am **Cryobiopsy**
Carmen M. Lucena, MD
University of Barcelona
- 11:00 – 11:20 am **Endobronchial Ultrasound**
Lonny B. Yarmus, DO
Johns Hopkins University
- 11:20 – 11:40 am **Harnessing Next Generation Interventions to Study Lung Cancer**
Edmund K. Moon, MD
University of Pennsylvania
- 11:40 – 11:55 am **Panel Discussion**
- 11:55am – 12:55pm **Buffet Lunch (provided)**
(GOLD ROOM, SECOND FLOOR)
and
Poster Viewing
(BALLROOM A, FIRST FLOOR)

Session 6: PHYSIOLOGIC AND MOLECULAR PHENOTYPING FOR OBSTRUCTIVE SLEEP APNEA
Session Chairs: Richard J. Schwab, MD; University of Pennsylvania
Sanjay Patel, MD; University of Pittsburgh School of Medicine

- 12:55 – 1:00 pm **Session Chair Introduction**
- 1:00 – 1:20 pm **Physiologic Phenotyping for Obstructive Sleep Apnea**
Scott A. Sands, PhD
Brigham and Women's Hospital
- 1:20 – 1:40 pm **Metabolic Phenotyping of Sleep Apnea**
Jonathan Jun, MD
Johns Hopkins University School of Medicine
- 1:40 – 1:55 pm **Panel Discussion**
- 1:55 – 2:05 pm **Refreshment Break and Poster Viewing**
(BALLROOM A, FIRST FLOOR)

Session 7:**LUNG TRANSPLANT***Session Chairs:**Jason D. Christie, MD, MSCE; University of Pennsylvania
Jonathan B. Orens, MD; Johns Hopkins University*

- 2:05 – 2:10 pm **Session Chair Introduction**
- 2:10 – 2:30 pm **Tandem Lung and Bone Marrow Transplant in Select Patients with Lung Failure**
*John F. McDyer, MD
University of Pittsburgh School of Medicine*
- 2:30 – 2:50 pm **NextGen Sequencing in Pulmonary Host Defense and Transplant**
*Kong Chen, PhD
University of Pittsburgh School of Medicine*
- 2:50 – 3:10 pm **Lung Transplant Allocation: Can We Do Better?**
*Christian A. Merlo, MD, MPH
Johns Hopkins University*
- 3:10 – 3:30 pm **Lung Transplant Outcomes**
*Edward Cantu III, MD, MSCE
University of Pennsylvania*
- 3:30 – 3:45 pm **Panel Discussion**
- 3:45 – 4:15 pm **Awards Ceremony**
- 4:15 – 4:30 pm **Concluding Remarks**
Rama Mallampalli, MD
- 4:30 pm **Adjournment**