

Third International Symposium on Acute Pulmonary Injury Translational Research



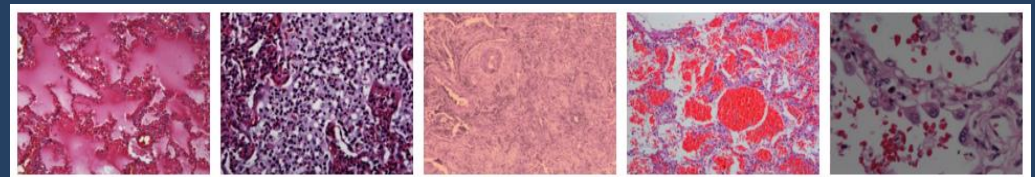
Hospital Universitario de Getafe

Ctra. de Toledo (A-42), Km 12'500

28905 Getafe (Madrid)

www.hospitaluniversitariodegetafe.org

December 4th – 5th 2018



Organizing & Scientific Committee

Oscar Peñuelas
Marcus J. Schultz
Nicole Jufferman
Lieuwe Bos
José A. Lorente
Giacomo Bellani

Summary of Meeting

The prevalence of acute pulmonary injury in the ICU is high, and current treatment is only supportive. As recently stated in the *state-of-the-art* pulmonary research conference (Aspen Lung Conference, 2007), where findings from the NHLBI ARDS Network clinical trials were summarized, clinicians and scientists hoped that new pharmacologic, biologic, and genetic approaches for a better understanding of pathogenesis, pathophysiology and treatment of ARDS would improve outcomes in the near future.

We herein announce the third conference on Translational Research in ARDS, held under the auspices of CIBERES and other scientific societies, where current state of the art on research in this area will be reviewed. Speakers have been selected among worldwide-recognized leaders in basic and translational research related to acute pulmonary injury.

At the symposium's conclusion, attendees will be familiar with the evidence used to support the current recommendations for the treatment of patients with ARDS. More importantly they will be introduced to the basic and translational research that will likely alter therapy for this disease within the next several years.

The Organizing Committee

Technical Secretary

Oscar Peñuelas
Intensive Care Unit, Hospital Universitario de Getafe
openuelas@gmail.com

Venue

Academic Medical Center, Amsterdam, The Netherlands

Accreditation

ESICM

Registration

The registration fee includes:

- Course documentation
- Attendance at all scientific sessions
- Coffees and lunch

Registration fee:

Members of Participating Scientific Societies	300 €
Non members	350 €

With the scientific support of the following Societies:

	SEMICYUC	Sociedad Española de Medicina Intensiva y Unidades Coronarias
	ESICM	European Society of Intensive Care Medicine
	CIBERES	CIBER de Enfermedades Respiratorias

The contents and ideas expressed in this symposium solely the responsibility of the authors and do not necessarily represent the official view of the scientific societies.

Sponsors



Faculty

Abdulrahman Al Fares

University HealthCare Network, University of Toronto
Amsterdam UMC, The Netherlands

Ashley de Bie

Corporación Sanit. Univ. Parc Taulí, Sabadell, Spain

Antonio Artigas

University of Genoa, Italy

Brendon Scicluna

University of Genoa, Italy

Chiara Robba

Amsterdam UMC, The Netherlands

Claire Masterson

Hosp. Universitario de Getafe, Madrid, Spain

Demetrio Carriedo

Hosp. Universitario de Getafe, Madrid, Spain

Elena Keough

Amsterdam UMC, The Netherlands

Derek Kleinveld

Amsterdam UMC, The Netherlands

Fabienne D. Simonis

Amsterdam UMC, The Netherlands

Fabrice Uhel

Hosp. Universitario de Getafe, Madrid, Spain

Gema Sánchez-Helguera

Hosp. Universitario de Getafe, Madrid, Spain

Gesly Gonçalves

Hosp. Universitario de Getafe, Madrid, Spain

José A. Lorente

NUI, Galway, Ireland

John Laffey

Universitätsmedizin, Berlin, Germany

Lasti Erfinanda

Amsterdam UMC, The Netherlands

Laura Hagens

University of Amsterdam. Marie Curie IAPP fellow.

Lieuwe D. Bos

Amsterdam UMC, The Netherlands

Lisa van Manen

Corporación Sanit. Univ. Parc Taulí, Sabadell, Spain

Lluís Blanch

Amsterdam UMC, The Netherlands

Lonneke van Vught

University HealthCare Network, University of Toronto

Lorenzo del Sorbo

Amsterdam UMC, The Netherlands

Luigi Pisani

Corporación Sanit. Univ. Parc Taulí, Sabadell, Spain

Luis Morales

Amsterdam UMC, The Netherlands

Marcus J. Schultz

Corporación Sanitaria Parc Taulí, Sabadell, Spain

Marta Camprubi

AUVA Research Center, Vienna, Austria

Marcin Osuchowski

Depart. of Intensive Care, Amsterdam, the Netherlands

Nicole Jufferman

Hosp. Universitario de Getafe, Madrid, Spain

Oscar Peñuelas

University of Genoa, Italy

Paolo Pelosi

Imperial, London, UK

Rosalba Romano

Universitätsmedizin, Berlin, Germany

Thomas Bluth

Universitätsmedizin, Berlin, Germany

Thomas Kiss

Amsterdam UMC, The Netherlands

Tom van der Poll

Universitätsmedizin, Berlin, Germany

Wolfgang Kübler

December 4 st		
08:00 – 08:30	Registration	
Session 1	PROVENET: the protective ventilation network	Moderator: Lieuwe Bos
08:30 – 08:45	Should we give the power to mechanical power to minimize VILI?	Paolo Pelosi
08:45 – 09:05	Low tidal volume ventilation in patients without lung injury: Results of the PREVENT study	Fabienne Simonis
09:05 – 09:20	Automation of ventilation	Marcus Schultz
09:20 – 09:40	Randomized controlled trial with INTELLIVENT-ASV	Ashley de Bie
09:40 – 10:00	Mechanical ventilation of obese patients undergoing surgery	Thomas Bluth
10:00 – 10:20	Coffee break	
Session 2	ICU of the future: non-invasive diagnostics	Moderator: José Á. Lorente
10:20 – 10:35	The ICU of the future	Lluís Blanch
10:35 – 10:55	Serum biomarkers of ARDS	Gema Sánchez-Helguera
10:55 – 11:15	Feasibility of tissue metabolic imaging for lung injury	Rosalba Romano
11:15 – 11:35	Exhaled breath analysis in the diagnosis of ARDS	Laura Hagens
11:35 – 11:55	LUS in ventilated patients	Luigi Pisani
11:55 – 12:15	Imaging of Stem Cells therapies in the Lung	Claire Masterson
12:15 – 13:00	Lunch Break	
Session 3	ICU of the future: therapeutics	Moderator: Nicole Jufferman
13:15 – 13:30	Biological phenotypes of ARDS	Lieuwe Bos
13:30 – 13:50	Nebulized Anti-Coagulants as a Therapy for ALI and ARDS	Marta Camprubi
13:50 – 14:05	New therapeutic targets in acute lung injury based on miRNA interference in different models.	Jose Ángel Lorente
14:05 – 14:25	Physiological relevance of histological changes indicative of intravascular coagulation in mechanically ventilated patients.	Gesly Gonçalves
14:25 – 14:40	Extracellular vesicles - more than just a biomarker in ARDS	Wolfgang Kubler
14:40 – 15:00	Coffee break	
Session 4	ESICM: ARF translational medicine	Moderator: John Laffey
15:00 – 15:05	Introduction in ARF TM	John Laffey
15:05 – 15:20	Mesenchymal stem cells for ARDS	John Laffey
15:20 – 15:40	The interaction between red blood cell transfusion and lung injury: the influence of donor characteristics	Lisa van Manen
15:40 – 16:00	The effect of transfusion strategies on trauma-induced ARDS	Derek Kleinveld
16:00 – 16:20		Nicole Jufferman
16:20 17:00	Final discussion	
Practical programme		
16:30 – 17:00	Visit to the lab – Translational ARF	

December 5 th		
Session 5	Rising stars in translational medicine	Moderator: Óscar Peñuelas
08:00 – 08:20	Mechanisms of lung injury during assisted ventilation in ARDS	Thomas Kiss
08:50 – 09:10	ARDS in neurologic patients: how to manage it	Chiara Robba
09:10 – 09:30	Preliminary experience on the physiological effects of transient diaphragmatic stimulation in patients with respiratory failure.	Elena Keough
09:30 – 09:50	Sex differences in ARDS - insights from preclinical studies	Lasti Erfinanda
09:50 – 10:10	Biological Effect of Hypercapnia in Human Alveolar Cell Culture	Luis Morales
10:10 – 10:30	Mechanisms of lung injury during assisted ventilation in ARDS	Thomas Kiss
10:30 – 11:00	Coffee break	
Session 6	Immune response in sepsis and lung injury	Moderator: Marcus J Schultz
11:00 – 11:15	Molecular diagnostics in sepsis	Tom van der Poll
11:15 – 11:35	Defining sepsis via molecular endotypes – does it help at the bedside?	Brendon Scicluna
11:35 – 11:55	Influence of race on sepsis presentation, outcome and host response	Lonneke van Vught
11:55 – 12:15	Septic and non-septic shock: comparison of outcome and host response	Fabrice Uhel
12:15 – 12:30	Comprehensive translational approach to primary graft dysfunction following Lung transplantation	Nandor Marczin
12:30 – 13:30	Lunch break	
Session 7	Prevention of lung injury	Moderator:
13:30 – 13:45	Early Evolution and Prognosis of ARDS : Insights From LUNG SAFE Study	Antonio Artigas
13:45 – 14:00	Driving pressure in ARDS: witness of severity or target for the management.	Óscar Peñuelas
14:00 – 14:15	Ventilator-ECMO interaction	Lorenzo Del Sorbo
14:15 – 14:35	Impact of tidal volume setting according to recipient or donor predicted body weight in patients following double lung transplantation	Abdulrahman Al Fares
14:35 – 14:55	Application of innovative strategies to prevent the injury induced by invasive mechanical ventilation	Abdulrahman Al Fares
14:55 – 15:15	Coffee break	
Practical programme		
15:30 – 16:15	Parallel programme: EIT demonstration / LUS demonstration	
16:15 – 17:00	Parallel programme: EIT demonstration / LUS demonstration	