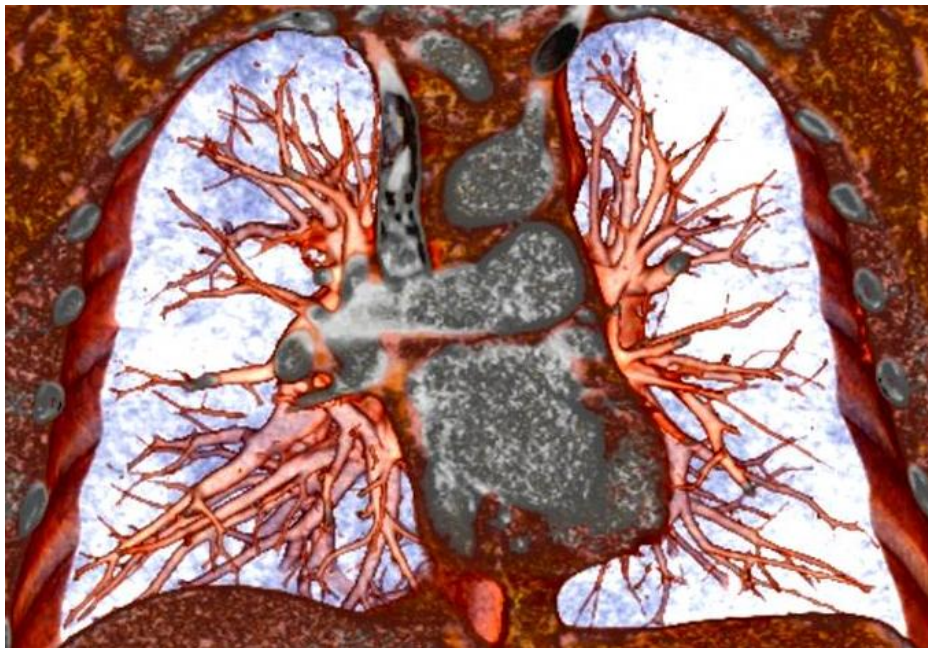


10th MEETING ON PULMONARY HYPERTENSION RESEARCH



Friday, March 6th, 2026

Aula Pedro Lorenzo, segunda planta
Departamento de Farmacología y Toxicología
Facultad de Medicina, Universidad Complutense de Madrid

Organized by: Pulmonary Hypertension Program.
Biomedical Research Networking Center on Respiratory Diseases

Welcome

Welcome to the 10th Pulmonary Hypertension Research Meeting, organized by the Pulmonary Hypertension Research Line of the Center for Biomedical Research in Respiratory Diseases (CIBERES).

The meeting aims to showcase the research currently being conducted in the field of pulmonary hypertension in Spain, promote the exchange of information among researchers, and encourage the development of collaborative actions.

As in previous editions, this meeting includes the participation of clinical researchers from various specialties, basic researchers from diverse disciplines, and translational researchers. The meeting has been organized by CIBERES, but it is not only aimed at researchers from this center; it is open to all researchers working in the field of pulmonary hypertension in Spain.

In this edition, 25 oral communications will be presented, and the invited lecture will be delivered by Prof. Andrea Olschewski, from the Department of Anaesthesiology and Intensive Care Medicine at the University of Graz.

It is our hope that the meeting will be fruitful and beneficial for all, and that it will facilitate future collaborations.

Prof. Joan Albert Barberà
Coordinator
Research Line on Pulmonary Hypertension
CIBERES

Meeting Program

Welcome

09:30-09:40

Prof. María Molina Molina
Scientific Director, CIBERES

Prof. Francisco Pérez-Vizcaíno
Director, Diffuse Respiratory Diseases Program, CIBERES

Prof. Joan Albert Barberà
Coordinator, Research Line on Pulmonary Hypertension,
CIBERES

Invited Lecture

09:40-10:15

▪ Voltage, Vessels, and Vascular Remodeling: Ion Channels in
Pulmonary Hypertension

Prof. Andrea Olschewski

Department of Anaesthesiology and Intensive Care Medicine
LBI for Lung Vascular Research, Medical University of Graz

Session: PH associated with Lung Disease

10:15-11:40

Chairs: Andrés Tenes, Víctor Peinado

▪ Immune profile of the lung in animal models of COPD and
pulmonary hypertension

▪ 10:15

Ana Hernández

Universidad Complutense de Madrid. CIBERES

▪ Wt1-Lineage HIF2 Protects Microvascular and Cardiac Function
During Chronic Hypoxia: Implications for Pulmonary
Hypertension

▪ 10:27

Silvia Martín

Instituto de Investigaciones Biomédicas Sols-Morreale (IIBM)

▪ Cell-type-specific divergence of cGMP-PKG signaling under
cigarette smoke stress reveals PKG2-dependent necroptosis in
pulmonary fibroblasts

▪ 10:39

Adelaida Bosacoma

IDIBAPS-Hospital Clínic de Barcelona. CIBERES

- TPD190, a nitric Oxide-Releasing PDE4 Inhibitor, reduces pulmonary artery remodelling and hypertension in *in vivo*, *in vitro* and *ex vivo* preclinical models relevant to Class III Pulmonary Hypertension

Paula Montero
Universidad de Valencia. Fundación de Investigación Hospital General Universitario de Valencia. CIBERES

- 10:51
- Role of nAChRs in oxidative stress-mediated vascular dysfunction in COPD

Rosa Andreu
IIS Princesa-Universidad Autónoma de Madrid

- 11:03
- Pulmonary Hypertension Associated with Chronic Lung Disease in Spain: results from the REHAR Registry

Álvaro Cantero
Hospital Universitari Vall d'Hebron, Barcelona

- 11:15
- Novel genetic variants linked to pulmonary hypertension in chronic lung diseases

Adelaida Bosacoma
IDIBAPS-Hospital Clínic de Barcelona. CIBERES

- 11:27

Coffee Break 11:40-12:00

SEPAR Session 12:00-12:55
Chairs: Isabel Blanco, Gregorio Pérez-Peñate

- Introduction

- 12:00
- Simplified risk stratification using cardiopulmonary exercise testing: a two-centre spanish experience

Amaya Martínez
Hospital Universitario Marqués de Valdecilla, Santander, SEPAR

- 12:05
- Development of a Nomogram for Genetic Risk of PAH

Fernando Vargas
Hospital Universitario Ramón y Cajal, Madrid, SEPAR

- 12:17
- Beyond BMI: Morphofunctional assessment, sarcopenia and prognosis in pulmonary hypertension. Morfhipul study

Esther Henríquez
Hospital Universitario Dr. Negrín. Universidad de Las Palmas de Gran Canaria, SEPAR

- 12:29

- Evaluation of microbial-derived metabolites in patients with acute pulmonary embolism: findings from the MICTEP study ▪ 12:41
Alberto García-Ortega
Hospital Universitario Doctor Peset, Valencia, SEPAR
-

Session: CTEPH and Pulmonary Hypertension, general 12:55-13:45
Chairs: Remedios Otero, Eduardo Oliver

- AI tool for automatic segmentation of left and right ventricle in preclinical MRI ▪ 12:55
Sebastián Acebal
CIC biomaGUNE, Donostia
 - Non-Invasive Risk Stratification in Severe Pulmonary Hypertension: Derivation and Validation of the NIRV Score ▪ 13:07
Soha Esmaili
Instituto de Investigación Sanitaria San Carlos (IdISSC), Madrid
 - Distinct translational dysregulation in endothelial cells reveals a unique molecular signature of chronic thromboembolic pulmonary hypertension ▪ 13:19
Miriam Peracaula
Girona Biomedical Research Institute (IDIBGI-CERCA), Parc Hospitalari Martí i Julià
 - Impact of intermittent hypoxia on venous thrombosis: a combined murine model of deep vein thrombosis ▪ 13:31
María Melero
Hospital Virgen del Rocío, Sevilla
-

Fundación Contra la Hipertensión Pulmonar 13:45-13:55

Lunch Break 14:00-15:00

Session: Pulmonary Arterial Hypertension
Chairs: María Lázaro, Jesús Ruiz-Cabello

15:00-16:50

- Parathyroid hormone as an independent prognostic biomarker in pulmonary arterial hypertension
Rui Adão
Universidad Complutense de Madrid. CIBERES
▪ 15:00
- Transcriptomic Profiling of Pulmonary Endothelial Cells Harvested from Pulmonary Artery Catheter in Pulmonary Arterial Hypertension
Anna Sardiné
IDIBAPS-Hospital Clínic de Barcelona. CIBERES
▪ 15:12
- Identification of Structural Variants in *BMP2* by whole-genome sequencing in patients with pulmonary arterial hypertension
Mónica Mora
Instituto de Genética Médica y Molecular (INGEMM), CIBERER
▪ 15:24
- Metformin fails to reverse key features of pulmonary arterial hypertension: evidence for sex-dependent metabolic effects
Irene Fernández
CIC biomaGUNE, Donostia. CIBERES
▪ 15:36
- Effects of Physical Training in Patients with Pulmonary Arterial Hypertension
Kelly Casós
IDIBAPS-Hospital Clínic de Barcelona. CIBERES
▪ 15:48
- Genomic Architecture of Drug Response in Pulmonary Arterial Hypertension: Refining the Clinical Gold Standard via Precision Medicine
Manuel Rodríguez
Instituto de Genética Médica y Molecular (INGEMM), CIBERER
▪ 16:00
- β 3-Adrenergic Receptor Agonists Attenuates Pulmonary Inflammation and Vascular Remodelling in Pulmonary Hypertension
Laura de la Bastida
CIB Margarita Salas
▪ 16:12
- A Novel Partial *TBX4* Duplication Causing Small Patella Syndrome and Pulmonary Arterial Hypertension
Lucía Miranda
Instituto de Genética Médica y Molecular (INGEMM), CIBERER
▪ 16:24

- One Genome, Multiple Answers: Diagnostic and Predictive Value of Whole-Genome Sequencing in PAH and PVOD ▪ 16:36
Natalia Gallego
Instituto de Genética Médica y Molecular (INGEMM), CIBERER
-

Closing Remarks 16:50-17:00
Prof. Joan Albert Barberà
Coordinator, Research Line on Pulmonary Hypertension,
CIBERES

Poster

- Update and management of the Spanish Pulmonary Hypertension Bank
Ada Soler
Biobanc Hospital Clínic-IDIBAPS, Barcelona

With the support of:

