

2ª Reunión de Investigación en Hipertensión Pulmonar

Friday February 2nd 2018

9:30 - 17:30 h

Aula 2ª planta. Departamento de Farmacología

Facultad de Medicina, Universidad Complutense de Madrid

Organized by Línea de Investigación en Hipertensión Pulmonar

Centro de Investigación Biomédica en Red de Enfermedades Respiratorias (CIBERES)

PROGRAM

Welcome (09:30-09:40)

Dr. Joan Albert Barberà. *Coordinator, Línea de Investigación en Hipertensión Pulmonar, CIBERES*

Dr. Francisco Pérez-Vizcaíno, Jesús Ruiz-Cabello, Angel Cogolludo. *Organizing and Scientific Committee.*

Invited Lecture (09:40-10:15)

"Elucidating and exploiting heterogeneity in pulmonary arterial hypertension"

Prof Martin Wilkins. *Department of Medicine, Imperial College London.*

Oral presentations. Session 1. (10:15-11:45)

Chairs: XXXXX

Clinical phenotype and prognosis of PAH patients with TBX4 mutations. **Ignacio Hernández González.** *Hospital Universitario Doce de Octubre.*

Hemodynamic and cardiac magnetic resonance effect of pulmonary artery denervation in a translational model of chronic pulmonary hypertension. **Inés García-Lunar.** *Centro Nacional de Investigaciones Cardiovasculares (CNIC).*

Heterogeneity in Lung 18F-FDG uptake in precapillary pulmonary hypertension. **Jeisson Osorio.** Hospital Clínic de Barcelona.

Pulmonary artery 4d flow evaluation on a porcine model of acute pulmonary hypertension caused by acute lung injury. **Angel Gaitán Simón.** Universidad Complutense de Madrid.

Diseño y aplicación de un panel de secuenciación masiva (NGS) para el estudio de la Hipertensión Arterial Pulmonar (HAP): Panel_HAP_v1.2. **Jair Tenorio.** Instituto de Genética Médica y Molecular – Hospital Universitario La Paz.

Conflict between mitochondrial DNA variants. **Ana Victoria Lechuga-Vieco.** Centro Nacional de Investigaciones Cardiovasculares (CNIC).

COFFEE BREAK (11:45-12:05)

Oral presentations. Session 2. (12:05-14:05)

Chairs: XXXXX

Pulmonary arterial hypertension is aggravated by vitamin D deficiency. **María Callejo.** Department of Pharmacology, School of Medicine, University Complutense of Madrid.

Hypoxia and Pulmonary Arterial Hypertension: revisiting HIF2 function in the pathogenesis of PAH and associated heart failure. **Silvia Martín-Puig.** Centro Nacional de Investigaciones Cardiovasculares (CNIC).

Dysfunctional endothelial cells in patients with chronic thromboembolic pulmonary hypertension. **Valerie Smolders.** IDIBPAS - Clinic UB.

Estrogens and age influence on pulmonary hypertension in female rats. **Elena Olea.** Dept Nursing. Univ. Valladolid.

Expression of HIV-1 proteins induces endothelial dysfunction and K⁺ channel impairment in the pulmonary vasculature. **Gema Mondéjar-Parreño.** Department of Pharmacology, School of Medicine, University Complutense of Madrid.

A frameshift variant in CRIPAK is associated with endothelial dysfunction and small vessel loss in pulmonary arterial hypertension. **Jair A. Tenorio Castano.** Instituto de Genética Médica y Molecular – Hospital Universitario La Paz.

Thrombospondin-1 role in pulmonary adventitial fibroblasts myodifferentiation during vascular remodeling in pulmonary diseases. **María José Calzada García.** Universidad Autónoma de Madrid.

Riociguat and (5z)-7-oxozeanol treatments attenuate the metabolic reprogramming induced by pulmonary arterial hypertension in right ventricle and lung tissue. **José Luis Izquierdo-García.** Centro Nacional de Investigaciones Cardiovasculares (CNIC).

LUNCH (14:05-15:00)

Invited Conference (15:05-15:35)

Ralph Schermuly "XXXXX"

Oral presentations. Session 3. (15:35-17:20)

Chairs: XXXXX

*Update and Management of the Spanish Biobank of Pulmonary Hypertension. **Joan Albert Barberà.** Hospital Clínic-IDIBAPS, Barcelona.*

*Preliminary results of a National Registry for Pulmonary Hypertension due to Respiratory Diseases (Registro Español de Hipertensión pulmonar Asociada a enfermedad Respiratoria, REHAR). **Diego A. Rodríguez.** Hospital del Mar-IMIM (Barcelona).*

*Pulmonary gas exchange in severe pulmonary hypertension associated with COPD. **Lucilla Piccari.** Servicio de Neumología, Hospital Clínic de Barcelona – IDIBAPS.*

*Balloon pulmonary angioplasty for inoperable patients with chronic thromboembolic pulmonary hypertension. Results and complications of the therapy. **Maite Velázquez Martín.** Hospital Universitario 12 de Octubre, Madrid.*

*Predicting bronchopulmonary dysplasia in very low weight preterm babies: Are molecular biomarkers better than clinical risk factors? **María Álvarez Fuente.** Hospital Ramón y Cajal, Madrid.*

*In vivo molecular imaging of lung inflammation with neutrophil-specific tracers. **Fernando Herranz.** Centro Nacional de Investigaciones Cardiovasculares.*

*Endothelial β 3-adrenergic receptor prevents hypoxia-induced pulmonary hypertension. **Eduardo Oliver Pérez.** Centro Nacional de Investigaciones Cardiovasculares.*

Conclusions (17:20-17:30)

Dr. Joan Albert Barberà. *Coordinador Línea de Investigación en Hipertensión Pulmonar, CIBERES*