

10^{as} JORNADAS DE FORMACIÓN CIBERES / CIBERFES 2017 Programa Científico

Jueves, 19 de octubre

10:00-10:30 Apertura / Presentación 10^{as} Jornadas Formación CIBERES
Margarita Blázquez Herranz, Subdirectora General de Redes y Centros de Investigación Cooperativa
Ferrán Barbé, Director Científico CIBERES
Leocadio Rodríguez, Director Científico CIBERFES

10:30-11:15 Presentación Comunicaciones Orales 1

01. *"Stem cell exhaustion promotes fragility"*- **Ander Matheu Fernández**. Grupo CB16/10/00496, CIBER-FES

02. *"Relationship between sarcopenia and frailty in the Toledo Study of Healthy Aging: a population based cross-sectional study"*- **Betty Davies Urizar**. Grupo CB16/10/00464, CIBERFES

03. *"Association of habitual dietary resveratrol exposure with the development of frailty in older age: the Invecchiare in Chianti study"* - **Cristina Andrés Lacueva**. Grupo CB16/10/00269, CIBERFES

04. *"Changes in satellite cell pool in response to disuse muscle atrophy and reloading in skeletal muscles of mice"* - **Maria Guitart de la Rosa**. Grupo CB06/06/0043, CIBERES

05. *"Magnetic resonance imaging characterization of pulmonary artery dysfunction caused by acute lung injury in a porcine model"* - **Angel Gaitan Simón**. Grupo CB06/06/1090, CIBERES

06. *"Pulmonary vasoreactivity testing and prognosis in Pulmonary Arterial Hypertension and Chronic thromboembolic pulmonary hypertension"* - **Laura Sebastián Victoria**. Grupo CB06/06/1089, CIBERES

Modera: Cristina Prat, Jose Luis Izquierdo

11:15-12:00 Sesión de Posters 1

P1. Primary care physicians can comprehensively manage sleep apnea patients. A non inferiority randomized controlled trial. **Ana Bellido Maldonado**. Grupo CB06/06/0029, CIBERES

P2. Diagnostic value of endotracheal aspirates sonication on ventilator-associated pneumonia microbiologic diagnosis. **Ana Motos Galera**. Grupo CB06/06/0028, CIBERES

P3. Intermittent hypoxia and cardiovascular remodeling in a murine model of sleep apnea: Effect of age. **Anabel Lourdes Castro Grattoni**. Grupo CB07/06/2008, CIBERES

P4. Usefulness of a 5-item scale to assess sleep health status: Results of the Catalan Health Survey 2015. **Ana Mas Esteve**. Grupo CB07/06/2008, CIBERES

P5. Frequency and magnitude of intermittent hypoxia modulate endothelial wound healing in a cell culture model of sleep apnea. **Bryan Falcones Olarte**. Grupo CB06/06/0026, CIBERES

P6. Sex related effects of acute and chronic hypoxia in rat. **Elena Olea Fraile**. Grupo CB06/06/0050, CIBERES

P7. Therapeutic mechanisms of LGF in COPD treatment studied by differential gene expression profiling. **Elvira Chocano**. Grupo CB06/06/0009, CIBERES

P8. Biomarkers of carcinogenesis and tumor growth in obstructive sleep apnea. **Fernando Santamaría Martos**. Grupo CB07/06/2008, CIBERES

P9. HIV transgene expression induces endothelial dysfunction and Kv7 channel impairment in the pulmonary vasculature. **Gema Mondéjar Parreño**. Grupo CB06/06/1084, CIBERES

P10. *High levels of sclerostin are related to cardiovascular and all-cause mortality.* **Beatriz García Fontana**. CB16/10/00475 CIBERFES

P11. *Proposal of a mixed protocol in cardiopulmonary exercise testing for elderly people with COPD.* **Carlos Rodríguez López**. CB16/10/00477 CIBERFES

P12. *Metabolic re-programming and behavioral adaptations by in vivo genetic elimination of mitochondrial ros in astrocytes.* **Carlos Vicente Gutierrez**. CB16/10/00282 CIBERFES

P13. *Dietary patterns and frailty: nutrition biomarkers validation for a better understanding of frailty phenotypes.* **Cristina Andrés-Lacueva**. CB16/10/00269 CIBERFES

P14. *Metabolic re-programming by in vivo genetic stabilization of PFKFB3 in neurons causes cognitive impairment and motor discoordination.* **Daniel Jimenez Blasco:** CB16/10/00282 CIBERFES

P15. *The association between type 2 diabetes mellitus, hip fracture, and post-hip-fracture mortality: a multi-state cohort analysis.* **Daniel Prieto Alhambra:** CB16/10/00270 CIBERFES

P16. *Predictors of excess mortality following a clinical vertebral fracture: a population-based cohort study.* **Daniel Prieto Alhambra:** CB16/10/00270 CIBERFES

P17. *Influence of frailty on causes of readmission after a heart failure hospitalization in the elderly.* **José Antonio Serra Rexach:** CB16/10/00314 CIBERFES

P18. *Circadian impairment of distal skin temperature rhythm in patients with sleep disordered breathing: The effect of CPAP.* **Juan Antonio Madrid Perez:** CB16/10/00239 CIBERFES

P19. *Frailty is associated with lower expression of genes involved in cellular response to stress: Results from the Toledo Study for Healthy Aging.* **Mariam El Assar de la Fuente:** CB16/10/00464 CIBERFES

Moderadores: JA Lorente, JL Izquierdo, JA Dominguez, C. Prat, C. Broceño

12:00-12:30 Pausa Café

12:30-13:15 Presentación Comunicaciones Orales 2

07. *“Randomized controlled trial of an exercise intervention to improve functional capacity in hospitalized oldest old (AGECAR)”-* **Javier Ortiz Alonso.** Grupo CB16/10/00314 CIBERFES

08. *“Multicomponent exercise program effects on functional capacity and cognition in frail hospitalized patients”-* **Mikel López Sáez de Asteasu.** Grupo CB16/10/00315 CIBERFES

09. *“Functional Effects of the p.Asp188Tyr Mutation in the Geranylgeranyl Diphosphate Synthase (GGPS1) Gene Associated with Bisphosphonate-related Atypical”-* **Natalia García Giralt.** Grupo CB16/10/00245 CIBERFES

010. *“Cardiac disorders upon highly pathogenic influenza virus infection” –* **Ana Falcón.** Grupo CB06/06/1091, CIBERES

011. *“Smoking cells: the response to the tuberculosis persistence?” -* **Pablo Rodríguez Fernández.** Grupo CB06/06/0031, CIBERES

O12. "Mortality in CPAP-treated patients at the population level: Analysis of all CPAP-treated patients in Catalonia" - **Sandra Bertran Melines**. Grupo CB07/06/2008, CIBERES

13:15-14:00 Discusión conjunta CIBERES-CIBERFES

Moderadores: Leocadio Rodríguez (CIBERFES), Jose Angel Lorente (CIBERES)

14:00-15:00 Pausa-Comida

15:00 -15:30 Charla Innovación
¿Qué es necesario para que se produzcan mejoras biomédicas? **Cristina Broceño**, Gestora de proyectos de innovación CIBERES

15:30-16:00 Charla experiencia innovadora
Necesitamos un cambio: "let's try it!". **Pere Joan Cardona**, IP Grupo CB06/06/0031, CIBERES Fundador y CEO de Manremyc

16:00-16:30 Pausa-Café

16:30-17:30 Sesión de Posters 2

P20. Bronchiectasis in patients with primary immunodeficiencies. **Gemma Rocamora**. Grupo CB06/06/1089, CIBERES

P21. MicroRNA 155-3p modulates the FasL-mediated inflammation in human alveolar epithelial cells in vitro. **Gema Sánchez**. Grupo CB06/06/0043, CIBERES

P22. Ceftolozane/tazobactam vs piperacillin/tazobactam in an experimental model of severe pseudomonas aeruginosa pneumonia. **Gianluigi-Francesco Pagliara**. Grupo CB06/06/0028, CIBERES

P23. Low lung function in early adulthood is an heritable marker of premature comorbidity and death. **Guillaume Noell**. Grupo CB06/06/0021, CIBERES

P24. Pulmonary hypertension and endothelial function in rats exposed to chronic hypoxia. **Jesús Prieto-Lloret**. Grupo CB06/06/0050, CIBERES

P25. Epigenetic control of influenza virus: role of H3K79 methylation in interferon-induced antiviral response. **Laura Marcos Villar**. Grupo CB06/06/1091, CIBERES

P26. Therapeutic potential of peptides defined from Ole e 1 in olive pollen allergy. **Lucía Cremades Jimeno**. Grupo CB06/06/0013, CIBERES

P27. Vitamin D deficiency in pulmonary arterial hypertension. **María Callejo Arranz**. Grupo CB06/06/1084, CIBERES

P28. *Physiology and metabolic consequences of mtDNA variants in animal models*. **M^a Concepción Jiménez Gómez**: CB16/10/00289 CIBERFES

P29. *Efficacy of the Otago Exercise Program (OEP) delivered as group training versus individually tailored training in community-dwelling adults between 65 and 80 years old*. **M^a Teresa Moreno Casbas**: CB16/10/00468 CIBERFES

P30. *Circadian health in patients admitted to intensive care and hospitalization units (CHRONOHOSPI)*. **Inés María Comino Sanz**: CB16/10/00468 CIBERFES

P31. *Frailty screening tools: Which tool predicts better disability and mortality after one year of follow-up? FRAILCLINIC Project*. **Marta Checa López**. CB16/10/00464 CIBERFES

P32. *Healthy aging biological mechanisms oriented to the maintenance of functional autonomy and mechanisms leading to frailty and disability*. **Marta Inglés de la Torre**: CB16/10/00435 CIBERFES

P33. *Frailty and healthcare costs*. **Marta Martínez Reig**: CB16/10/00408 CIBERFES

P34. *Frailty, polypharmacy and health outcomes*. **Marta Martínez Reig**: CB16/10/00408 CIBERFES

P35. *P38MAPK function in the exhaustion of neural stem cell and cognitive frailty associated to ageing*. **Miren Revuelta Aramberri**: CB16/10/00496 CIBERFES

P36. *Should Force-Velocity profile be used in the assessment of muscular function in aged population?* **Roberto Navarro Cruz**: CB16/10/00477 CIBERFES

P37. *Preliminary report of the impact of muscle dysfunction on bone in patients with COPD*. **Xavier Nogues Solan**: CB16/10/00245 CIBERFES

Moderadores: JA Lorente, JA Aínsa, M.Sanchez de la Torre, C.Prat, JL Izquierdo



17:30-18:00 New research challenges: Biological samples of human origin. **Margalida Esteva**. Plataforma Biobanco.

Clausura Jornada Conjunta

Viernes, 20 de octubre

09: 30-10:00 Sesión de Presentaciones Orales 3

O13. *“Whole genome sequencing analysis of clusters involving immigrants to develop tailored molecular tools to discriminate between recent transmission in the host country and new importations”* - **Estefanía Abascal**. Grupo CB06/06/0058, CIBERES

O14. *“Resveratrol attenuates muscle mass loss in the mouse gastrocnemius during hindlimb immobilization”* - **Laura Mañas García**. Grupo CB06/06/0043, CIBERES

O15. *“Protective role of pulmonary surfactant against non-typable haemophilus influenzae respiratory infection”* - **Zoe Gonzalez Carnicero**. Grupo CB06/06/0002, CIBERES

O16. *“Interference of microRNA-27a-5p and microRNA-146a-5p in cultured human alveolar epithelial cells stimulated with IL-1 β ”* - **Eva López**. Grupo CB06/06/0044, CIBERES

Moderador: JL Izquierdo

10:00-10:45 Presentaciones ayudas iniciación 1

I1. Whole genome sequencing analysis of adult invasive pneumococcal disease (IPD) caused by serotype 11A. **Aida González Díaz**. Grupo CB06/06/0037, CIBERES

I2. Processing TB granuloma samples for host-expression studies. Experience from the SH-TBL Project. **Albert Despuig Busquet**. Grupo CB06/06/0031, CIBERES

I3. Long term effectiveness of positive airway pressure for obesity hypoventilation syndrome.. **Ana Nacarino Burgos**. Grupo CB06/06/0029, CIBERES

I4 Relationships between disease stage and bronchial microbiome in COPD. **Cristina Lalmolda Puyol**. Grupo CB06/06/1089, CIBERES

Moderadora: Maria Molina

10:45-11:30 Sesión de Pósters 3

P38. Clinical implications of *Streptococcus pneumoniae* identification based only on the optochin susceptibility test. **María Ercibengoa Arana**. Grupo CB06/06/0056, CIBERES

P39. Human infection of *Nocardia ramosiphila*, a typical bacterium of the rooibos tea plant's soil. **María Ercibengoa Arana**. Grupo CB06/06/0056, CIBERES

P40. Echocardiographic changes with noninvasive ventilation and CPAP in Obesity Hypoventilation Syndrome. María Hidalgo **Sánchez**. Grupo CB06/06/0029, CIBERES

P41. Developing a new *Drosophila melanogaster* model to study the innate immune response against TB. **Marta Arch Sisquella**. Grupo CB06/06/0031, CIBERES

P42. Recurrent *Klebsiella pneumoniae* bacteraemia in adults: persistence and reinfection. **Meritxell Cubero González**. Grupo CB06/06/0037, CIBERES

P43. Clusters of ineffective efforts during expiration during mechanical ventilation and the short-term cognitive status of the ICU survivors. **Sol Fernandez-Gonzalo y Marc Turon Viñas**. Grupo CB06/06/1097, CIBERES

P44. Effects of nebulized antithrombin and heparin for the treatment of acute lung injury in Rats. **Neus Tantinyà Pujol**. Grupo CB06/06/1097, CIBERES

P45. Differential bone marrow network response in patients with COPD. **Núria Toledo-Pons**. Grupo CB06/06/0021, CIBERES

P46. Virtual Sleep Unit: insights. **Onintza Garmendia Sorrondegui**. Grupo CB06/06/0025, CIBERES

P47. FAK hyperactivation in myofibroblasts: contributions to Idiopathic Pulmonary Fibrosis (IPF). **Paula Duch Gili**. Grupo CB06/06/0026, CIBERES

Moderadores: C.Broceño, M.Molina, JL Izquierdo, G. Peces-Barba

11:30-12:00 Pausa-Café

12:00-12:45 Presentaciones ayudas iniciación 2

15. Sleep Apnea and Resistant hypertension: Implication for the clinical management. **Esther Sapiña Beltrán**. Grupo CB07/06/2008, CIBERES

16. Enzybiotic-based strategies to overcome bacterial infections. **Roberto Vázquez Fernández**. Grupo CB06/06/0003, CIBERES

17. Hipoxic preconditioning improves the ability of mesenquimal Stem cells-derived exosomes to limit pulmonary vascular Dysfunction. **Sergio Antonio Esquivel Ruiz**. Grupo CB06/06/1084, CIBERES

18. Mechanism of the synergistic action of antimicrobial lung proteins against the respiratory pathogen *Klebsiella pneumoniae*. **Víctor Fraile Agreda**. Grupo CB06/06/0002, CIBERES

Moderador: JA Lorente

12:45-13:00 Descripción del programa de Formación de CIBERES: C.Prat

13:00-13:30 Entrega de premios y clausura de las jornadas de docencia. Roser Mias y C.Prat