

# I JORNADAS CIENTÍFICAS

## PERSONAL CIENTÍFICO JOVEN



### LISTADO PÓSTER

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1. Comparative Analysis of Recurrent Sibilance Development in Healthy Children versus Infants Affected by Bronchiolitis Requiring Hospital Admission Before 12 Months of Age: A Scientific Inquiry. **Sonia Alcolea**. CIBERINFEC – Enf. Infecciosas
2. NANBIOSIS: a new model of research and innovation. **Gabriel Alfranca**. CIBER-BBN - Bioingeniería, Biomateriales y Nanomedicina
3. Iron chelation as a new therapeutic approach to prevent senescence and liver fibrosis progression. **Josep Amengual Segura**. CIBEREHD – Hepáticas y digestivas
4. Tailored immunotherapies in 3D models of non-Hodgkin lymphoma. **Ferran Araujo-Ayala**. CIBERONC – Cáncer
5. Protocol of a randomized controlled trial (PROMES-U): effectiveness of an m-health guided prevention intervention for depression and anxiety in university students. **Laura Ballester Coma**. CIBERESP – Epidemiología y Salud Pública
6. Three rapid scoping reviews mapping available biomarkers, for prevention in cancer, cardiovascular and neurodegenerative diseases. **Cristina Barahona López**. CIBERESP – Epidemiología y Salud Pública
7. Intelligence Insights from Airflow and Oximetry Signals. **Verónica Barroso-García**. CIBER-BBN - Bioingeniería, Biomateriales y Nanomedicina
8. Zebrafish model of the rare disease X-linked Intellectual Developmental Disorder-98 (XLID98) for drug repurposing. **Beatriz Bernal Bermúdez**. CIBERER – Enf. raras
9. Exploring Variations in Brain Activation Patterns during Executive Performance in Compulsive Behaviors. **Sara Bertolín Triquell**. CIBERSAM – Salud Mental
10. Under the hypercapnic challenge: how macrophages react to pneumonia-causing bacteria. **Marta Camprubí Rimblas**. CIBERES – Enf. respiratorias
11. Tracking myocardial infarction in recent decades with a validated linked-data method: A slow but steady decrease in incidence and case-fatality. **Anna Camps Vilaró**. CIBERCV - Cardiovasculares
12. Retinal thickness as a predictive biomarker of cognitive performance in bipolar disorder. **Guillermo Cano Escalera**. CIBERSAM – Salud Mental
13. Evolution of antibody responses after vaccination against SARS-CoV-2 in a cohort of immunosuppressed patients. **Maria Giulia Caponcello**. CIBERINFEC – Enf. Infecciosas
14. Selective depletion of CXCR4+ cancer cells and immune cell recruitment in colorectal cancer mouse models by nanotoxin targeted therapy. **Luis Miguel Carrasco-Díaz**. CIBER-BBN - Bioingeniería, Biomateriales y Nanomedicina
15. A dynamic gradient of extracellular matrix stiffness organizes zebrafish heart regeneration. **Jorge Luis Castillo Robles**. CIBER-BBN - Bioingeniería, Biomateriales y Nanomedicina

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16. Understanding of quorum sensing profile in Staphylococcus aureus infections. **Nerea Castro Agirre**. CIBER-BBN - Bioingeniería, Biomateriales y Nanomedicina
17. Objective Assessment of Stress-Reduction Interventions Through Physiological Parameters: Effectiveness and Personalization. **Thais Castro Ribeiro**. CIBER-BBN - Bioingeniería, Biomateriales y Nanomedicina
18. miR-652-3p as potential biomarker in the early diagnosis of chemotherapy-induced cardiotoxicity. **María Cebro-Márquez**. CIBERCV - Cardiovasculares
19. Singular CD4+ and CD8+ T-cell proteomic profiles in PLHIV Immunological Non-responders before ART. **Silvia Chafino**. CIBERINFEC – Enf. Infecciosas
20. miR-423-5p, miR-146a-5p, miR-210-3p and miR-4508, the main dysregulated miRNAs in mild COVID-19 cases. **Elizabeth Córdoba**. CIBERINFEC – Enf. Infecciosas
21. Assessing Hospital Variability in managing RSV Acute Lower Respiratory Tract Infections in Children Using Real World Data. **Elisa Correcher Martínez**. CIBERESP – Epidemiología y Salud Pública
22. Alteration of hippocampal CB1R can drive neuronal-astrocyte dysfunction leading to cognitive decline in Huntington’s disease. **Nadia Di Franco**. CIBERNED – Enf. Neurodegenerativas
23. PSGL-1/SIGLEC-5 and CD39/CD73 immune-checkpoint axes are dysregulated in severe obstructive sleep apnea. **Elena Díaz García**. CIBERES – Enf. respiratorias
24. Identification of transcriptional alterations leading to aberrant myeloid differentiation in myelodysplastic syndromes. **Aintzane Díaz Mazquiaran**. CIBERONC – Cáncer
25. Pregnancy exposure to synthetic phenols: an intervention study. **Lydia Espín-Moreno**. CIBERESP – Epidemiología y Salud Pública
26. Telomere length in aviremic people with HIV-1: how different is it from persons without HIV? **Andrés Esteban Cantos**. CIBERINFEC – Enf. Infecciosas
27. Tidal ventilation promotes a fibroproliferative response and delay in epithelial-related lung repair in ex vivo wound healing models. **Sara María Exojo Ramírez**. CIBERES – Enf. respiratorias
28. Genetics of taste perception and taste preferences for precision nutrition and cardiovascular risk factors in Mediterranean subjects. **Rebeca Fernández Carrión**. CIBEROBN – Obesidad y Nutrición
29. Electrophysiological tests for monitoring the progression of neuromuscular disorders in experimental research. **Núria Gaja Capdevila**. CIBERNED – Enf. Neurodegenerativas
30. Protective effects of a flavonoid-enriched cocoa-carob blend (CCB) diet against  $\beta$ -cell damage in an animal model of Type 2 Diabetes. **Paula Gallardo Villanueva**. CIBERDEM – Diabetes y enf. metabólicas asociadas

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31. Differential transcriptomic profile in platelet-derived extracellular vesicles in patients with Metabolic Dysfunction-Associated Steatotic Liver Disease (MASLD). **Sheila Gato Zambrano**. CIBEREHD – Hepáticas y digestivas
32. Molecular Epidemiology of mumps Virus in Spain (2005-2020). **Ana M<sup>a</sup> Gavilán**. CIBERESP – Epidemiología y Salud Pública
33. New advances in Cancer Stroma Assessment through Digital Pathology (CASA-DP). **Sofia Granados Aparici**. CIBERONC – Cáncer
34. Elucidating the splicing effect of a PTEN variant in a case of Bainbridge-Ropers Syndrome (ASXL3): Highlighting the relevance of functional studies in the assessment of variants of uncertain significance. **Juan Diego Gutiérrez Àvila**. CIBERER – Enf. raras
35. Transferrin receptor gene amplification identifies a group of poorly immunogenic lung squamous cell carcinoma with increased iron uptake. **María Gutiérrez Pérez**. CIBERONC – Cáncer
36. Weak neuronal glycolysis sustains cognition and organismal fitness. **Daniel Jimenez-Blasco**. CIBERFES – Fragilidad y Envejecimiento Saludable
37. Activated intestinal fibroblast induce contribute to the intestinal inflammatory response in experimental cirrhosis. **Oriol Juanola**. CIBEREHD – Hepáticas y digestivas
38. Nuclear Magnetic Resonance in Serum for the Diagnosis of Tuberculosis in Children: A Pilot Stud. **Andrea López Suárez**. CIBERINFEC – Enf. Infecciosas
39. Dietary and smoking acrylamide and prostate cancer risk: CAPLIFE study. **Macarena Lozano Lorca**. CIBERESP – Epidemiología y Salud Pública
40. Genetic defects in GALE and GNE alter platelet protein glycosylation causing impaired thrombopoiesis and macrothrombocytopenia. **Ana Marin-Quilez**. CIBERER – Enf. raras
41. Novel thiol-ene bioreactor with inkjet-printed oxygen sensors for hypoxia control in Organs-on-a-chip. **Denise Marrero Feitosa-Afonso**. CIBER-BBN - Bioingeniería, Biomateriales y Nanomedicina
42. Mutational profile of pfdhfr, pfdhps, pfmdr1 and pfcr1 P. falciparum genes associated with resistance in Ogbosmoso, southwestern Nigeria. **Alexandra Martín Ramírez**. CIBERINFEC – Enf. Infecciosas
43. Protective role of sclerostin in the atherosclerosis development. **Luis Martínez Heredia**. CIBERFES – Fragilidad y Envejecimiento Saludable
44. Hepatic endothelial Endokyne1 as novel pro-fibrotic mediator and theranostic opportunity in chronic liver disease. **Ana Martínez-Alcocer**. CIBEREHD – Hepáticas y digestivas
45. Population structure, dynamics and spatial-temporal evolution of Bordetella pertussis producing pertussis in Spain, 1986-2020. **Alba Mir Cros**. CIBERINFEC – Enf. Infecciosas

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46. Hepatoencephalopathy due to GFM1 mutations: preclinical study of an AAV-based gene therapy in a mouse model of the disease. **Miguel Molina Berenguer**. CIBERER – Enf. raras
47. BCAS1 defines a heterogeneous cell population in diffuse gliomas. **Raquel Morales Gallel**. CIBERNED – Enf. Neurodegenerativas
48. Exploring the chemopreventive effect of medication on gene expression related to colorectal cancer: An observational and Mendelian randomization analysis in healthy colon mucosa. **Ferran Moratalla Navarro**. CIBERESP – Epidemiología y Salud Pública
49. Harnessing the Microbiome of Exceptional Controllers to Boost Immune Responses Against HIV. **Elena Moreno del Olmo**. CIBERINFEC – Enf. Infecciosas
50. A Novel Cellular Model for Studying Polyglucosan Accumulation in Lafora Disease. **Mireia Moreno Estelles**. CIBERER – Enf. raras
51. A multi-approach assessment of germline variant signatures associated with non-muscle invasive bladder cancer prognosis. **Ane Moreno-Oya**. CIBERONC – Cáncer
52. SIRT3 signaling in AgRP neurons regulates weight-independent glucose homeostasis. **Diego Muñoz Moreno**. CIBEROBN – Obesidad y Nutrición
53. Hepatitis B and C screening and linkage to care in migrants from endemic countries in Barcelona through the implementation of the HepBLink community action. **Anna Not**. CIBERESP – Epidemiología y Salud Pública
54. Autotaxin as a key molecule in the increased risk of dementia in migraine patients. **Alberto Ouro**. CIBERNED – Enf. Neurodegenerativas
55. Exploring Integrative Conjugative Elements as drivers of antibiotic resistance transfer. **Rosalía Palomino Cabrera**. CIBERINFEC – Enf. Infecciosas
56. Whole exome sequencing identifies new susceptibility candidates underlying community-acquired pneumonia. **Jacobo Pardo Seco**. CIBERES – Enf. respiratorias
57. Altered mitochondrial dynamics in nigrostriatal neurons of diabetic mice. **Paula Pereira**. CIBERDEM – Diabetes y enf. metabólicas asociadas
58. Premorbid adjustment clusters shaping trajectory clinical, functional and cognitive profiles in first episode schizophrenia: A longitudinal study. **Anaid Perez Ramos**. CIBERSAM – Salud Mental
59. IFN $\alpha$  exposure affects Ca $^{2+}$  signaling and hormone secretion in pancreatic alpha- and beta-cells. **Atenea Pérez-Serna**. CIBERDEM – Diabetes y enf. metabólicas asociadas
60. Preclinical development of therapeutic molecules targeting MSI2 in Myotonic Dystrophy. **Natalia Riedel and Dulce Peris-Moreno**. CIBERER – Enf. raras
61. Adults unable to do leisure-time aerobic physical activity: trends, characteristics, and mortality among 621,499 participants in 21 us annual nationwide surveys. **Salud Pintos Carrillo**. CIBERESP – Epidemiología y Salud Pública

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62. A genome-wide CRISPR/Cas9 loss-of-function screen to identify mechanisms of chemo- and radiotherapy resistance in head and neck squamous cell carcinomas. **Esperanza Pozo Agundo**. CIBERONC – Cáncer
63. Factors Associated with Type 2 Diabetes Control in Hard-to-Reach Rural Communities: Results of a Cross-Sectional Study in Esmeraldas, Ecuador. **Marta Puig García**. CIBERESP – Epidemiología y Salud Pública
64. Enhancing Personalized Treatment of Atrial Fibrillation through AI-Driven Digital Twins. **Gonzalo Ricardo Ríos Muñoz**. CIBERCV - Cardiovasculares
65. Generation and characterization of human pseudoislets to conduct genetic modulation studies. **Kevin Rivera Loor**. CIBERDEM – Diabetes y enf. metabólicas asociadas
66. Brain inflammation in adrenoleukodystrophy: HERV re-expression as a potential driver. **Mar Rodríguez-Ruiz**. CIBERER – Enf. raras
67. In silico identification of potential antiparasitic agents for Chagas Disease through AlphaFold structures. **Albert Ros-Lucas**. CIBERINFEC – Enf. Infecciosas
68. Testing the metabolic effects of vasorin in adipose tissue. **Francisco Javier Ruiz Ojeda**. CIBEROBN – Obesidad y Nutrición
69. Exploring the mechanisms used by HBV to evade the host immune defenses. **Maria Saez-Palma**. CIBEREHD – Hepáticas y digestivas
70. Long-term cost-effectiveness of the initial medication adherence intervention: a population-based economic model (the IMA-cRCT study). **Alba Sánchez-Viñas**. CIBERESP – Epidemiología y Salud Pública
71. Unraveling the role of astrocytes in epilepsy: Protein kinase D1 contribution. **Luis Sánchez-Miranda Pajuelo**. CIBERNED – Enf. Neurodegenerativas
72. Development of new cellular models of dili from skin cells. Are we able to see what happens in the liver? **Antonio Segovia-Zafra**. CIBEREHD – Hepáticas y digestivas
73. Pathophysiology of MAMDC2 myopathy. **Emilia Servián Morilla**. CIBERNED – Enf. Neurodegenerativas
74. Assessment of the Immunogenicity Induced by MVA-Based Vaccine Candidates Targeting SARS-CoV-2 RBD of the Spike Protein. **Laura Sin Diaz**. CIBERINFEC – Enf. Infecciosas
75. Inhibition of the NLRP3 inflammasome in models of retinal degeneration. **Daniel Tena González**. CIBERER – Enf. raras
76. Developing an active pharmacological treatment for oropharyngeal dysphagia: where did we come from and where are we going. **Noemí Tomsen**. CIBEREHD – Hepáticas y digestivas

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77. Proteomics analysis of lysosomes lacking the molecular co-chaperone CSP $\alpha$ /DNAJC5 reveals a connection with cholesterol homeostasis. **Emanuela Tumini**. CIBERNED – Enf. Neurodegenerativas
78. Dietary intake of total phenolic compounds and biomarkers of atrial fibrillation risk in adults with metabolic syndrome. **Zenaida Vázquez-Ruiz**. CIBEROBN – Obesidad y Nutrición
79. New strategies for the treatment of the Small-for-Size Syndrome: in vivo pharmacological therapy and potential use of ex vivo perfusion systems. **Jordi Vengohechea Llorens**. CIBEREHD – Hepáticas y digestivas
80. Association of intrahepatic and peripheral blood immune profiles with response to a six-month immunosuppressive treatment in autoimmune hepatitis. **Miguel Viceira Pérez-Piaya**. CIBEREHD – Hepáticas y digestivas