

# Young Investigator Symposium CIBERDEM-CIBEREHD

26/11/2025

Sala Descubrimiento, Hotel Eurostars Al-Ándalus

15:00 - 17:05

First Session:

**Moderators:** Alberto Bartolomé [CIBERDEM] and Marta Fortuny [CIBEREHD]

15:00-15:25: **Dr. Edilmar Alvarado:** "Strategies for preventing cirrhosis decompensation: the role of glucose-lowering drugs." **ONLINE**

15:25-15:50: **Dr. Carla Borràs Querol:** "PCSK9 inhibitors shift macrophage cholesterol efflux distribution in Familial Hypercholesterolemia"

15:50-16:15: **Dr. Diego Ceacero:** "Pharmacological, immunological and nutritional modulation of intestinal barrier function."

16:15-16:40: **Dr. Mariana Gomes:** "Clinical and molecular spectrum of syndromic diabetes in a large Spanish cohort using a targeted NGS panel"

16:40-17:05: **Dr. Isabella Dotti:** "Uncovering epithelial barrier dysfunction and therapeutic opportunities in IBD with organoid-derived intestinal models"

17:05 - 17:35

Coffee Break

17:35 - 18:50

Second Session:

**Moderators:** Victòria Ceperuelo Mallafré [CIBERDEM] and Fabio Suárez [CIBEREHD]

17:35-18:00: **Dr. Sílvia Bonàs Guarch:** "The polygenic architecture of the insulin secretory function provides biological insights into type 2 diabetes aetiology."

18:00-18:25: **Dr. María Ester González Sánchez:** "The role of the EGFR signaling pathway in chronic liver disease."

18:25-18:50: **Dr. Carlos Castaño:** "Isolation and Characterization of Circulating Bacterial Extracellular Vesicles: A Novel Approach to Understanding Host- Microbiome Interactions in Obesity."

18:50 - 20:00

Keynote speaker:

**Dr. Cintia Folgueira Cobos:** "Uncovering new pathways in metabolic communication and body weight regulation"

# CIBERDEM-CIBEREHD Joint Scientific Meeting

27/11/2025

Sala Descubrimiento, Hotel Eurostars Al-Ándalus

09:00 - 09:30

Welcome Session:

- Presentation of CIBERDEM
  - Dr. Dídac Mauricio, Scientific Director of CIBERDEM
- Presentation of CIBEREHD
  - Dr. Jordi Gracia, Scientific Director of CIBEREHD

09:30 - 11:00

Joint Session: “What Can CIBEREHD Offer to CIBERDEM, and Vice Versa?”

Moderators: Dr. Sonia Fernández-Veledo [CIBERDEM] and Dr. María Chaparro [CIBEREHD]

**CIBERDEM Contributions:**

- **Dr. Alex Mesa:** “MASLD in Type 1 Diabetes”
- **Dr. Ángela Martínez-Valverde:** “Inter-organ Crosstalk in the Treatment of Metabolic Diseases”

**CIBEREHD Contributions:**

- **Dr. Javier Santos:** “Neuroendocrine Regulation and Nutrition in Functional and Inflammatory Digestive Diseases: New Therapeutic Perspectives”
- **Dr. Ángel Lanas:** “Regenerative Medicine and Genetic-Environmental Determinants in Inflammatory and Tumoral Digestive Tract Diseases”

11:00 - 11:30

Coffee Break and Networking

11:30 - 12:15

CIBEREHD Plenary Session:

Moderator: Dr. Juan Manuel Pericás [CIBEREHD]

**Dr. Chantal Desdouets:** “The Double Edge of Replication Stress and DNA Damage: Drivers of Metabolic-dysfunction associated liver disease but Vulnerabilities in HCC Treatment”

12:15 - 13:00

CIBERDEM Plenary Session:

Moderators: Dr. Ángela Martínez Valverde [CIBERDEM]

**Dr. Francesco Giorgino:** “Incretin-based Therapies and Treatment of Obesity-related Diseases”

13:00 - 14:15

Lunch

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14:15 – 14:30

**CIBER Scientific Culture Unit**

Inés Ortega, Comunicación Científica UCC+I CIBER

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14:30 – 15:30

**Scientific Research Support Units**

Moderators: Dr. Manel Vázquez [CIBERDEM] and Dr. María Arechederra [CIBEREHD]

- **Metabolomic Unit:** Dr. Óscar Yanes, Dr. Maria Vinaixa
  - **CIC Biogune – CIBEREHD:** Dr. Juan Manuel Falcón
  - **Bioinformatic Platform– CIBEREHD:** Dra. Yulia Sidorova
  - **Diabetes and Metabolic Diseases Biorepository CIBERDEM-IDIBAPS:** Dr. Laura Brugnara
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15:30 – 17:00

**Collaborative Projects between CIBERDEM and CIBEREHD**

Moderators: Dr. Marc Liesa [CIBERDEM] and Dr. María Reig [CIBEREHD]

- **Proyecto UNMASK.** Project leads: Jordi Gracia, Rocío Gallego, Javier Cubero, Rubén Francés, Fran Martín
- **Portal hypertension and novel metabolic mechanisms in MASLD progression: SHBG and intestinal receptors as emerging targets.** Project Lead: Juanma Pericas

**Presentations of Collaborative CIBERDEM–EHD Communications Selected from submitted abstracts**

- **Dr. Marta Casado:** “Protective role of COX-2 expression in hepatocytes during obstructive cholestasis and intrahepatic cholestasis of pregnancy: Implications for inflammation, bile acid metabolism, liver injury, and modulation of canalicular transporters”
  - **Dr. Victòria Ceperuelo:** “SUCNR1 as a metabolic and prognostic regulator in MASLD-Associated hepatocellular carcinoma”
  - **Dr. Douglas Maya:** “Cholestatic MASLD Exhibits Distinct Steroid, Lipid and Bile Acid Profiles: A Multicenter Metabolomics Study”
  - **Dr. María Poca:** “Impact of a multidisciplinary approach on liver and metabolic health outcomes in patients with fibrotic metabolic dysfunction-
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associated steatohepatitis: A single centre European experience”

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**17:00 – 18:30**    **Flash Talks and Poster Session**

**Moderators:** Dr. Águeda González (CIBERDEM) and Dr. Naroa Goikoetxea (CIBEREHD)

- **Dr. María Arechederra:** “Demonstration of SLU7 as a new pan-cancer target”
- **Dr. Deborah Burks:** Effects of endocrine-disrupting chemicals on MASLD progression in vivo
- **Dr. Iván Arias:** "Hepato-metabolic clustering in IMIDs: Influence of Cardiometabolic Comorbidities and Diagnostic Performance of Non-Invasive Fibrosis and Steatosis Scores"
- **Dr. Marta Díaz:** Circulating adipisin as a predictive biomarker of liver fat content in prepubertal children born small-for-gestational-age
- **Dr. Alejandro Miranda:** "Enoxaparin reduces bacterial translocation and hepatic inflammation via gut vascular barrier restoration In Cirrhosis"
- **Dr. David Martinez Selva:** “EDL6D an SHBG mimetic peptide: a New Approach for Treating the Metabolic Dysfunction-Associated Fatty Liver Disease”
- **Dr. Marc Moro:** "Unveiling Microanatomical Domains in Inflammatory Bowel Disease (IBD) Tissue through Spatial Transcriptomics Analysis"
- **Ms. María Kavanagh Arjona:** "SOCS1 mimetic therapy mitigates liver inflammation, oxidative stress, and fibrogenesis in experimental MASLD"
- **Dr. Aránzazu Sánchez-Muñoz:** "Met overexpression in adult hepatic progenitor cells confers functional advantages that favor fibrosis and tumor development upon transplantation in mice with liver fibrosis"
- **Ms. Siyuan Wu:** "Gdf15 deficiency results in a gut-liver crosstalk that may contribute to increased hepatic gluconeogenesis"

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**18:00 – 20:00**    **CIBERDEM Principal Investigators Meeting\***

\*Restricted to CIBERDEM PIs and co-PIs

SALA TRIANA

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**18:00 – 20:00**    **CIBEREHD Principal Investigators Meeting\***

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\*Restricted to CIBEREHD PIs and co-PIs  
SALA DESCUBRIMIENTO

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# CIBERDEM Scientific Meeting

28/11/2025

Sala Sevilla + Triana, Hotel Eurostars Al-Ándalus

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09:00 - 09:45 Inaugural session:

Moderator: Dr. Anabel Rojas

- **Dr. Jonatan Ruiz:** "Impact of Intermittent Fasting and Exercise on Ectopic Fat Clearance and Cardiometabolic Risk"

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09:45 - 10:45 Short Talks

Moderator: Dr. María Ángeles Balboa and Dr. Reinaldo Sousa.

09:45-10:00: **Dr. Izortze Santin Gomez:** "Long non-coding RNAs as a novel source of beta cell autoantigens in type 1 diabetes."

10:00-10:15: **Mr. Kevin Andrés Rivera Loo:** "Mitochondrial fission promotes loss of beta cell identity."

10:15-10:30: **Ms. Marta Perea Atiénzar:** "Breaking molecular barriers to enhance the endocrine features of human fibroblasts-derived insulin producing cells."

10:30-10:45: **Dr. Montse Guardiola Guionnet:** "Age and sex modulation of the insulin resistance-TG-HDLc axis."

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10:45 - 11:15 Coffee Break

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11:15 - 11:30 Flash Talks

Moderator: Dr. Nuria Valdés.

11:15-11:18: **Ms. Paula Isabel Gallardo Villanueva:** "Beneficial effects of colonic metabolite supplementation in a preclinical model of type 2 diabetes."

11:18-11:21: **Dr. Petra I. Lorenzo:** "HMG20A Protects  $\beta$ -Cells from Senescence and Functional Decline"

11:21-11:24: **Cristina Fraile Sánchez:** "TMEM164: Deciphering its Role in Lipid and Immunometabolism Regulation."

11:24-11:27: **Dr. María Insenser:** "Lipidomic and glycoprotein signatures in women with polycystic ovary syndrome: a comparative and longitudinal study."

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11:27-11:30: **Dr. Mercedes Mirasierra:** "Alx3 Deficiency Disrupts FFAR1 Signalling and impairs Glucose-Stimulated Insulin Secretion."

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11:30 - 12:15 **Short Talks**

**Moderator:** Dr. Iván Quesada and Dr. Rosa Gasa.

11:30-11:45: **Dr. Paloma Alonso-Magdalena:** "Decoding Gestational Diabetes Mellitus: The Role of TGF- $\beta$  Signaling in pancreatic  $\beta$ -Cell Dysfunction and Glucose Intolerance."

11:45-12:00: **Helena Marí de Nova:** "Extracellular vesicles as mediators of beta cell adaptation during obesity progression."

12:00-12:15: **Dr. Manuela Sánchez Feutrie:** "Identification of Neuritin 1 as a local metabolic regulator of brown adipose tissue."

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12:15 - 12:45 **Patient Engagement Session**

**Moderator:** Dr. Dídac Mauricio

**Participants:**

- **Ms. María José Salmerón Mínguez,** Member of the Board of Directors of the Spanish Diabetes Federation (FEDE)
  - **Dr. Francesc Mitjans,** Scientific Director of DiabetesCero
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12:45 - 13:15 **Investigación traslacional: Cómo desarrollar un proyecto de película**

- **Luzma García Piqueres, RTTP.** Responsable de la Oficina de Transferencia del Conocimiento.
  - **Dr. Juan Luque Moreno.** Responsable de la Plataforma de Desarrollo Tecnológico.
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13:15 - 13:30 **Awards**

13:30 – 15:00 **Finger Lunch**

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# CIBEREHD Scientific Meeting

28/11/2025

Sala Descubrimiento, Hotel Eurostars Al-Ándalus

09:00 - 09:30

CIBEREHD Results 2024

**Dr. Jordi Gracia.** Summary of Key Indicators, Scientific Advances, and Consortium Activities in the Past Year.

09:30 - 10:00

CIBEREHD Scientific Strategic Plan

**Dr. Agustín Albillos.** Presentation of the New Strategic Plan, Scientific Priorities, and Action Lines for the Coming Period.

10:00 - 10:45

Current Status of Intramural and Collaborative Projects

Moderator: Dr. Rocío Gallego

**Dr. Joan Maurel.** "A PREDictive signature in rectal cancer, treated with total neoadjuvant therapy, to increase the accuracy of WATCH and WAIT strategy."

**Dr. Julio Galvez.** "Unraveling The impAct of time Restricted eating on the Gut-livEr connecTion in men and women with Obesity TARGET-O."

**Dr. Rubén Frances.** "DELTA Proof-of-concept study for in vivo delivering LSEctin-mRNA loaded lipid nanoparticles to hepatic antigen presenting cells."

**Dra. Sabela Carballal.** "eoSPS Clinical, endoscopic, and molecular characterization of early-onset serrated polyposis syndrome" [ONLINE](#)

**Dr. Antonio Gil.** "Characterization of the Prognostic and Therapeutic Value of Hepatic Stellate Cell Subpopulations in Hepatic Fibrosis and Its Complications [CHEF]"

10:45 - 11:00

Dr. Jaume Bosch Genover (1947–2025)

"Maestro, pionero y alma fundadora del CIBER"

10:45 - 11:30

Coffee Break

11:30 - 12:00

Status of Personnel Calls

Moderator: Dr. Rubén Frances

**Sra. Laura Fábrega Fernández.** Ayuda predoctoral Jaume Bosch [2022]. [1st Jaume Bosch Predoctoral Fellowship]

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**Sr. Antonio Segovia Zafra.** Ayuda predoctoral Jaume Bosch [2022] [2nd Jaume Bosch Predoctoral Fellowship]

**Dra. Maelle Locatelli.** ARISTOS [1st Call 2024]

**Dra. Malena Manzi.** ARISTOS [1st Call 2024] **ONLINE**

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12:00 – 13:00

## Hidden Collaborations

Moderator: Dr. José Juan García Marín

**Dr. Oscar Millet.** “Metabolic aging clocks for MASLD stratification”.

**Sr. Jordi Vengohechea Llorens.** “Reproducción de la homeostasis y de los estímulos metabólicos durante la perfusión normotérmica prolongada en el hígado aislado.”

**Dra. Blanca Herrera.** “Del daño a la reparación: Interactomas y nuevas dianas en la fisiopatología de la Enfermedad Hepática Crónica.”

**Dra. María Reig.** “Immune4All: Exploring the Feasibility of predictive and pharmacodynamics biomarkers of immunotherapy in solid tumors”.

**Dr. Javier Santos.** “Contribución diferencial del exposoma intestinal a la fisiopatología de la diarrea crónica en el síndrome del intestino irritable con y sin diarrea por ácidos biliares asociada. Perfil clínico-biológico para el diagnóstico diferencial.”

**Dra. Montserrat Baldán.** “Validación de biomarcadores multiómicos predictores de respuesta terapéutica en pacientes con enfermedad inflamatoria intestinal: un paso hacia la medicina personalizada.”

**Dr. Josep Quer.** “Caracterización del viroma hepático en pacientes con infección crónica por el virus de la hepatitis B [VHB] y D [HDV].”

**Dr. Jordi Rimola.** “Biomarcadores de imagen por RM en la respuesta al tratamiento médico en enfermedad perianal fistulizante.”

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13:00 – 13:30

## Citizen Engagement in CIBEREHD – Let’s Improve!

Moderator: Dra. María Arechederra

Presentation of the CIBER Citizen Engagement Action Plan 2025–2026: Where We Stand in EHD and Future Actions

Experiences from

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**Dr. Antoni Castells' Group. Dra. Meritxell Gironella, Marta Blanco Álvarez (FAEECC)**

**Dr. Luís Bujanda's Group. Dra. Laura Izquierdo Sánchez, Elisabeth Baucells (ATUBIVI)**

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**13:30 - 13:45**

**Awards and Closing Session**

**Dr. Jordi Gracia.** Award Ceremony, Roadmap to Upcoming Milestones, and Closing Remarks

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**13:45 – 15:00**

**Finger Lunch**

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## Patrocinadores



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