



DIABETES AND METABOLIC
ASSOCIATED DISEASES
RESEARCH GROUP

TARRACO-MALACCA III JOINT WORKSHOP

Venue: Hotel Guitart Gold Central Park Resort & Spa, Lloret de Mar

Congress language: English/Spanish

Organizing Committee:

Dr. Joan J. Vendrell (University Hospital Joan XXIII, IISPV, CIBERdem)
Dra. Sonia Fernández-Veledo (University Hospital Joan XXIII, IISPV, CIBERdem)
Dr. Francisco J. Tinahones (Virgen de la Victoria Hospital, IBIMA, CIBERobn)

Funded by:



Supported by:



Organizing Secretariat:



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Acronyms:

IISPV (Pere Virgili Health Research Institute)
CIBERdem (CIBER of Diabetes and Associated Metabolic Disorders)
CIBERobn (CIBER of Physiopathology of Obesity and Nutrition)
IBIMA (Biomedical Research Institute of Málaga)

Hospital Universitari de Tarragona Joan XXIII. Edificio Modular de Docencia e Investigación, 1ª pl.
C/ Dr. Mallafre Guasch, 4. 43005 - Tarragona

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Thursday, January 21st

Afternoon Session

17:00 – 17:15 Opening and Welcome Ceremony

Eduard Montanya (Scientific Director of CIBERDEM)

Joan J. Vendrell (Co-Director of Diabetes and Metabolic Associated Diseases Research Group)

Sonia Fernández Veledo (Co-Director of Diabetes and Metabolic Associated Diseases Research Group)

Francisco J. Tinahones (Director of Cellular and Molecular Endocrinology Group)

SESSION 1: *New Players in Obesity and T2D*

CHAIR: Sonia Fernández-Veledo (Pere Virgili Health Research Institute)

17:15 h – 17:45 h – **Cell cycle regulators: new actors in the insulin signalling pathway**

INVITED SPEAKER: Lluís Fajas (University of Lausanne)

17:45 h – 18:05 h – **Pathophysiological mechanisms of the succinate/sucnr1 axis in obesity and T2D.**

Noelia Keiran (CIBERDEM)

18:05 h - 18:25 h - **G protein-coupled receptor kinase 2: A potential novel target for the treatment of obesity and insulin resistance.**

Rocío Vila-Bedmar (Centro de Biología Molecular Severo Ochoa)

18:25 h – 19:00 h - COFFEE BREAK

SESSION 2: *Why intestinal microbes matter in human health?*

CHAIR: Matilde R. Chacón (Pere Virgili Institute)

19:00 h – 19:20 h - **LPS levels and gene expression in adipose tissue from morbid obese patients.**

Mercedes Clemente (IBIMA - CIBERObn)



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19:20 h – 19:40 h - **Gut microbiota and androgenization.**

Isabel Moreno (IBIMA - CIBERobn)

19:40 h – 20:00 h - **Gut microbiota in an interventional study with oil and wine.**

M^a Isabel Queipo (IBIMA - CIBERobn)

20:00 h – 20:20 h - **Dietary intervention in healthy obese women.**

Rosa Bernal (IBIMA - CIBERobn)

20:30 h – BUFFET DINNER

Friday, January 22nd

Morning Session

SESSION 3: *Beyond the cell. Near the patient*

CHAIR: José Miguel González-Clemente (Corporació Sanitària Parc Taulí)

9 h – 9:30 h - **The effect of insulin and circulating free fatty acids on skeletal muscle and adipose tissue gene expression.**

INVITED SPEAKER: Marek Straczkowski (Institute of Animal Reproduction and Food Research of Polish Academy of Sciences)

9:30 h – 9:50 h - **Gut hormones in type 2 diabetes remission after bariatric surgery.**

Nuria Vilarrasa (University Hospital of Bellvitge)

9:50 h - 10:10 h - **Far away from Sweet Sleep Study.**

Albert Lecube (University Hospital Arnau of Vilanova)

10:10 h - 10:30 h - **New biomarkers to improve silent myocardial ischemia prediction in type 1 diabetes.**

Gemma Llauradó (Hospital del Mar)

10:30 h – 10:50 h - **How are your carotids, my LADA friend?**

Marta Hernández (University Hospital Arnau of Vilanova)

10:50 h – 11:20 h - COFFE BREAK



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SESSION 4: *Epigenetics, what do you mean?*

CHAIR: Manuel Macías (IBIMA - CIBERObn)

11:20 h - 11:40 h - **Adipose tissue epigenetics and metabolic derangements.**
Sonsoles Morcillo (IBIMA - CIBERObn)

11:40 h - 12 h - **Assessment of DNA methylation in Gestational Diabetes.**
Ana Megia (University Hospital Joan XXIII)

12 h - 12:20 h - **Role of miR21 on adipose tissue metabolism.**
Rajaa el Bekay (IBIMA - CIBERObn)

12:20 h - 13:00 h - **Identification and characterization of miRNAs as potential modulators of TNF-induced insulin resistance in the adipose tissue.**
Matilde R. Chacón (Pere Virgili Health Research Institute)

13:00 h - 15:00 h - BUFFET LUNCH

Friday, January 22nd

Afternoon Session

SESSION 5: *Inflammation and dysmetabolism, a non ending story*

CHAIR: Francisco J. Tinahones (IBIMA - SAS)

15 h - 15:30 h - **Unraveling the metabolic role of p53.**
INVITED SPEAKER: Rubén Nogueiras (University Of Santiago de Compostela)

15:30 h - 15:50 h - **Assessing metabolic plasticity in diet-induced obese mice upon lifestyle intervention. An integrative approach.**
Pablo García-Roves (University of Barcelona)

15:50 h - 16,10 h - **Role of betatrophin in inflammation and metabolism in the context of obesity.**
Victoria Ceperuelo (Rovira i Virgili University)

16:10 h - 16:30 h - **Complement factors in adipose tissue, their relationship with metabolic diseases.**
Fernando Cardona (IBIMA - CIBERObn)

16:30 h - 17:00 h - COFFE BREAK

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SESSION 6: *Stem cells, are you sedentary or nomadic?*

CHAIR: Joan J. Vendrell (University Hospital Joan XXIII)

17 h – 17:20 h - The role of Human adipose stem cells in chronic inflammatory diseases: obesity and Crohn disease.

Carolina Serena (Pere Virgili Health Research Institute)

17:20 h – 17:40 h - Human adipose derived stem cells in metabolic syndrome.

Wilfredo Oliva (IBIMA - CIBERObn)

17:40 h – 18:00 h – Characterization of circulating hASC.

Xavier Duran (CIBERDEM)

18:00 h – 18:20 h - Adipose-derived stem cells from an obese environment are resistant to apoptosis: Survivin as a key regulator.

Miriam Ejarque (Pere Virgili Health Research Institute)

18:20 h - 18:50 h - COFFE BREAK

SESSION 7: *The good, the bad and the ugly*

CHAIR: Lluís Fajas (University of Lausanne)

18:50 h – 19:10 h - Genome-wide DNA methylation analysis in colorectal cancer associated to obesity.

Manuel Macías (IBIMA - CIBERObn)

19:10 h – 19:30 - GPAM as a prognostic factor in head neck squamous cell carcinoma.

Francesc X. Avilés (University Hospital Joan XXIII)

19:30 – 19:50 – Hipogonadism and obesity.

José Carlos Fernández (IBIMA - SAS)

19:50 – 20:00 Closing Ceremony

Joan J. Vendrell

Sonia Fernández-Veledo

Francisco J. Tinahones

21:00 h – 24:00 h – GALA DINNER