

NEW APPROACHES AND CONCEPTS IN DIABETES AND OBESITY: LOOKING FOR ALTERNATIVE THERAPEUTIC TARGETS

Tarragona. April 6 - 7, 2018



DIABETES AND METABOLIC
ASSOCIATED DISEASES
RESEARCH GROUP



associació
catalana
de diabetis

HJ23

Hospital Universitari Joan XXIII
ICS Camp de Tarragona



AstraZeneca 

ciberobn
Centro de Investigación Biomédica en Red
Fisiopatología de la Obesidad y Nutrición

ciberdem
Centro de Investigación Biomédica en Red
Diabetes e Intervención Metabólica Asociada

Committee



ORGANIZING COMMITTEE:

Dr. Joan J. Vendrell

(University Hospital Joan XXIII, IISPV, CIBERDEM)

Dr. Sonia Fernández-Veledo

(University Hospital Joan XXIII, IISPV, CIBERDEM)

ORGANIZING SECRETARIAT:

Pere Virgili Health Research Institute. IISPV



Programme

APRIL 6, 2018

Afternoon Session

16:00h – 16:15h

Opening and Welcome Ceremony

Dr. Joan J. Vendrell (Scientific Director of the IISPV)

Dr. Sonia Fernández-Veledo (Co-head of the DIAMET group)

SESSION 1: IMMUNOMETABOLISM IN OBESITY-RELATED DISEASES

CHAIR: Sonia Fernández-Veledo (IISPV, Ciberdem)

16:15h – 16:45h

Inflammation and resolution in obesity and its comorbidities

Joan Clarià (Hospital Clínic, IDIBAPS)

Dr. Joan Clarià. Biochemistry and Molecular Genetics Service-Hospital Clínic. Department of Biomedicine-University of Barcelona.

16:45h – 17:15h

Brown adipose tissue as a secretory organ: integrating metabolism and immunity

Francesc Villarroya (UB, IBUB, Ciberobn, IRSJD)

Dr. Francesc Villarroya is a professor of Biochemistry and Molecular Biology at University of Barcelona (UB) and group leader of the Laboratory of Research in Molecular and Cellular Biology of Adipose Tissue and Associated Pathologies. Areas of expertise: obesity, brown adipose tissue, and mitochondrial metabolism.

Laboratory of Research in Molecular and Cellular Biology of Adipose Tissue and Associated Pathologies

17:15h – 17:45h

Endogenous hematopoiesis in adipose tissue as a crucial regulator of energy homeostasis

Beatrice Cousin (StromaLab, Toulouse, France)

Dr. Beatrice Cousin is a senior researcher at the CNRS. Areas of expertise: adipose tissue hematopoiesis and tissue integrity.

17:45h – 18:00h

General Discussion

18:00h – 18:15h

COFFEE BREAK

SESSION 2: FACTORS IMPACTING DIABETES REMISSION AND GLYCEMIC CONTROL AFTER BARIATRIC SURGERY

CHAIR: Dr. José Miguel González-Clemente (Hospital Parc Taulí. Sabadell. Ciberdem)

18:15h – 18:45h

Metabolic surgery put to debate: short-term benefits

Nuria Vilarrasa (Hospital de Bellvitge, IDIBELL, Ciberdem)

Dr. Nuria Vilarrasa is an endocrinologist and is responsible for the Obesity program at the Department of Endocrinology and Nutrition at Bellvitge University Hospital-IDIBELL. Areas of expertise: morbid obesity and metabolic surgery.

18:45h – 19:15h

Metabolic surgery put to debate: long-term benefits

Geltrude Mingrone (Catholic University, Italy; King's College London, UK)

Prof. Geltrude Mingrone is head of the Division of Obesity and Metabolic Disorders at Rome's Catholic University in Italy. She is a recognized international researcher in bariatric surgery, insulin resistance, insulin secretion and the study of glucose metabolism in humans.

19:15h – 19:45h

Metabolic bariatric surgery as a treatment for obesity and obesity-related conditions: up to date

Josep Vidal (Hospital Clínic, IDIBAPS, Ciberdem)

Dr. Josep Vidal is the head of the Endocrinology and Nutrition Service at Hospital Clínic and group leader of the Diabetes Lab at IDIBAPS. Areas of expertise: obesity and bariatric surgery.

19:45h – 20:00h

General Discussion

APRIL 7, 2018

Morning Session

SESSION 3: IS OBESITY THE OIL THAT FEEDS THE FLAME IN CANCER?

Chair: Jorge J. Joven (Hospital U. Sant Joan de Reus, IISPV)

9:00h – 9:30h

Metformin 2.0: new light on a mysterious molecule

Javier A. Menéndez (IDIBGI)

Dr. **Javier A. Menéndez** is the coordinator of the translational research unit and Head of the Molecular Oncology Lab at the Girona Biomedical Research Institute (IDIBGI). Areas of expertise: oncology and metabolism.

9:30h – 10:00h

Anti-cancer genes to fight obesity

Pablo J. Fernández-Marcos (IMDEA-Food)

Dr. **Pablo J. Fernández Marcos** is the head of the Bioactive Products and Metabolic Syndrome group at the Institute of Advanced Studies - IMDEA Food. Area of expertise: nutritional interventions, fasting metabolism, obesity and diabetes.

10:00h – 10:30h

Obesity, diabetes and the risk of cancer in the EPIC-cohort

Antonio Agudo Trigueros (ICO, IDIBELL)

Dr. **Antonio Agudo Trigueros** is the head of the Nutrition and Cancer Unit at the Catalan Institute of Oncology (ICO) and the Bellvitge Biomedical Research Institute (IDIBELL). Areas of expertise: cancer epidemiology, nutrition and public health.

10:30h – 10:45h

General Discussion

10:45h – 11:15h

COFFEE BREAK

SESSION 4: MULTI-OMIC INTEGRATED DATA FOR OBESITY AND DIABETES RESEARCH

CHAIR: Antonio Zorzano (IRB, Ciberdem)

11:15h – 11:45h

Epigenome-wide analysis in obesity research

Ana Belén Crujeiras (IDIS, CHUS, Ciberobn)

Dr. Ana B. Crujeiras is the head of the Epigenomics of Obesity Unit and group leader of Epigenomics in Endocrinology at the Santiago Health Research Institute (IDIS), Santiago University Hospital Complex (CHUS) and CIBERobn. Areas of expertise: epigenetics of obesity and Cancer.

11:45 h – 12:15 h

Proteomic studies on adipose tissue: a necessity for understanding obesity and obesity-related disorders

María del Mar Malagón (IMIBIC/UCO/HURS, Ciberobn)

Dr. María del Mar Malagón is a professor in Cell Biology at the University of Córdoba; Group leader of the Adipobiology Lab and head of the Section on Nutrition, Metabolism and Neuroendocrinology at the Maimónides Institute of Biomedical Research in Córdoba (IMIBIC), Córdoba, Spain. Areas of expertise: adipose tissue biology, proteomics, obesity, insulin resistance.

12:15 h – 12:45 h

Metabolomic profiling into the intricate relationship between obesity and type 2 diabetes

Cristina Andrés-Lacueva (UB, Ciberfes)

Dr. Cristina Andrés-Lacueva is a professor of Nutrition at University of Barcelona (UB) and group leader of Biomarkers and Nutritional and Food Metabolomics, belonging to UB and Ciberfes. Areas of expertise: food metabolomics, biomarkers and metabolic diseases.

12:45 h – 13:00 h

General Discussion

13:00 h -15:00 h

LUNCH

Afternoon Session

SESSION 5: STEM CELL-BASED STRATEGIES FOR THE TREATMENT OF DIABETES

CHAIR: Sonia Fernández-Veledo (IISPV, Ciberdem)

15:00 h – 15:30 h

Pancreatic progenitors: from the organ to the plate

Meritxell Rovira (CMRB)

Dr. Meritxell Rovira is a junior PI at the CMRB (Center of Regenerative Medicine in Barcelona). Areas of expertise: pancreas regeneration, pancreatic progenitors and regenerative medicine.

15:30 h – 16:00 h

Immunoregulatory properties of human adipose-derived stem cells: metabolic donor phenotype matters.

Carolina Serena (IISPV, Ciberdem)

Dr. Carolina Serena is a senior researcher at the IISPV. Areas of expertise: adipose-derived stem cells, obesity, Crohn's disease.

16:00 h – 16:30 h

Stem cell therapies in diabetes mellitus. Hypes and hopes

Bernat Soria (Cabimer, Ciberdem)

Dr. Bernat Soria is an extraordinary professor of Regenerative Medicine, Univ P de Olavide & chairman of the Dept. of Regeneration and Advanced Therapies. Andalusian Center for Molecular Biology & Regenerative Medicine, CABIMER, 41092 Seville and Ciberdem.

16:30 h – 17:00 h

COFFEE BREAK

SESSION 6: CLUES TO MICROBIOME'S INFLUENCE ON METABOLIC DISEASE

CHAIR: Joan J. Vendrell (University Hospital Joan XXIII, IISPV, Ciberdem)

17:00 h – 17:30 h

How changes in gut microbiota may influence obesity-related metabolic disturbances

Koen Venema (Maastrich University)

Dr. Koen Venema is a professor of Gut Microbiology at Maastricht University – Venlo campus; Center for Healthy Eating & Food Innovation. Areas of expertise: nutrition, microbiota, metabolism.

17:30 h – 18:00 h

Microbiota, brain and cognition

José Manuel Fernández Real (IDIBGI, Universitat de Girona, Ciberobn)

Dr. José M. Fernández-Real is a clinical endocrinologist with extensive experience in different fields of obesity and type 2 diabetes. He has published many works regarding the role of microbioma in metabolic diseases.

18:00 h – 18:30 h

Pan-omics examination of severe obesity

Manuel Ferrer (CSIC-IC)

Dr. Manuel Ferrer is a research scientist at the CSIC and group leader of the Systems Biotechnology lab. Areas of expertise: microbiome, biological-to-chemical-to-metabolic relationships.

SESSION 7: CURRENT AND FUTURE TREATMENT TARGETS FOR TYPE 2 DIABETES AND OBESITY

CHAIR: Gema Frühbeck (Ciberobn)

18:30 h – 19:00 h

Current clinical perspectives of diabetes treatment in the obese patient

Esteban Jodar (Hospital Quiron Salud)

Dr Esteban Jodar is the head of the endocrinology service at the University Hospital Quiron Salud in Madrid. He is an associate professor at the Faculty of Medicine of the European University of Madrid. Areas of expertise: nutrition, obesity.

19:00 h – 19:30 h

Weighing the risk. How are obesity and type 2 diabetes associated with increased risk of vascular disease?

Albert Lecube (Hospital Univesitari Arnau de Vilanova. IRB Lleida, Ciberdem)

Dr. Albert Lecube is the head of the Endocrinology Service at the Arnau de Vilanova University Hospital in Lleida. Areas of expertise: type 2 diabetes, cardiovascular disease.

19:30 h – 20:00 h

Looking for alternative therapeutic targets:
new medicines in the horizon

Cristina Rondinone (Medimmune- AstraZeneca)

Cristina Rondinone is VicePresident Research & Development, head of the Cardiovascular, Renal and Metabolism at Medimmune- AstraZeneca. Areas of expertise: type 2 diabetes

20:00 h – 20:10 h

Closing Ceremony

Dr. Joan J. Vendrell

Dr. Sonia Fernández-Veledo



General information

DATES

April 6-7, 2018

CONGRESS LANGUAGE:

English / Spanish

CONGRESS VENUE

Palau Firal i de Congressos de Tarragona
c/ Arquitecte Rovira, 2
43001 Tarragona
www.palautarragona.com/es
www.diametworkshop2018.com

REGISTRATION

All registrations at www.diametworkshop2018.com
The workshop is free but places are limited, so registration is required.
Coffee breaks and lunch are included.

Deadline for registration: March 30 2018 (while places remain).

Please fill the [registration form](#) and we will send you the confirmation.
For further information or any queries, please email Rosa Flaquer
(rosa@gotic-congres.com)

TECHNICAL SECRETARIAT:

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