

28, 29, 30  
NOVEMBER  
2016  
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Joint Meeting of the European Society of  
Endocrinology and CIBEROBN (Spanish  
Network for Research of Excellence in  
Obesity)

**NEW** → **FRONTIERS**  
**IN OBESITY**  
**RESEARCH**

IMIBIC Building  
CÓRDOBA  
SPAIN  
/

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**N** → **FOR**

# INTERNATIONAL THEMED CONFERENCE

Title: **NEW FRONTIERS IN OBESITY RESEARCH**

*Joint Conference of the European Society of Endocrinology and CIBEROBN (Spanish Network for Research of Excellence in Obesity), co-organized by the University of Cordoba and IMIBIC*

**Organizers:**

- University of Cordoba (UCO)
- Maimonides Institute of Biomedical Research of Cordoba (IMIBIC)
- European Society of Endocrinology (ESE)
- CIBEROBN (Spanish Network for Research of Excellence in Obesity)

**Program Organizing Committee (POC):**

Justo P. Castaño (Scientific Director IMIBIC)  
Carlos Dieguez (Scientific Director-CIBEROBN)  
Gema Frühbeck (past President EASO)  
Riccarda Granata (ESE Educational committee)  
Misa Pfeifer (ESE Educational committee)  
Marta Korbonits (ESE Head Science Committee)  
Manuel Tena-Sempere (Head of POC; ESE Educational committee)

**Local Organizing Committee (LOC):**

Marisol Avendaño  
Justo P. Castaño  
Juan M. Castellano  
Mercedes Gil  
José Lopez Miranda  
Raul M. Luque  
Maria del Mar Malagón  
Juan Roa  
Maria J. Vazquez  
Manuel Tena-Sempere (Head of LOC)

# FOREWORD

Córdoba, 1 August 2016

Dear friends and colleagues,

It is my pleasure to invite you to join us in Cordoba on the occasion of the upcoming themed Conference **NEW FRONTIERS IN OBESITY RESEARCH**. This conference is a joint initiative of the **European Society of Endocrinology** (ESE), whose Educational Committee is committed to promote formative activities in different fields of hormone research all through Europe, and the **Spanish Network for Research of Excellence in Obesity** (CIBEROBN), funded by the National Institutes of Health of Spain (Instituto de Salud Carlos III) with the mission to deepen our knowledge of the pathophysiology of obesity, and to foster translational research with the ultimate aim to tackle obesity and its complications. These institutions have teamed up with the **University of Cordoba** and the Maimonides Institute of Biomedical Research of Cordoba (**IMIBIC**) to sponsor what we believe is an exciting Conference that aims to cover recent developments in different areas of Obesity research.

In generating the scientific program, the Organizing Committee has tried its best to get a balanced faculty of internationally-recognized senior and promising junior speakers, coming from different fields and reference international groups, who we believe are ideally suited to jointly provide an integral view of where we are in the field of obesity research, and what are the foreseen challenges in the coming future in this hot area of Biomedicine. While we have adopted the format of other formative activities organized by ESE, with a program composed by plenary lectures and regular symposia, we trust that the Conference, with nearly 30 presentations by world leaders in the field, will not only satisfy the scientific interest and high standards of the attendees, but will also provide ample opportunities for close interaction with the faculty members. To favor so, we have arranged a dynamic program with non-overlapping sessions and several breaks, including working lunches and dinners (all covered by the registration fee), which we are certain will help to foster contacts and future collaborations among the participants.

I would like to express my sincere gratitude to all the speakers and faculty members for their acceptance to participate in this meeting, to our institutional sponsors for their financial and logistic support, and to the members of the Program & Local Organizing Committees for their continuous help. The assistance of the City Hall of Cordoba in providing the picturesque location of Caballerizas Reales for our Welcome Reception is also very much appreciated.

Please have a look at the program and mark your calendar to visit the millennial and inspiring city of Cordoba in late November to attend this at-the-edge Conference. We forecast good weather, a unique environment... and excellent science!

Manuel Tena-Sempere  
Head of the POC

# SCIENTIFIC PROGRAM

## **Opening Lecture**

*Chair:* Carlos Dieguez (University of Santiago de Compostela)

[Novel pharmacology for an old problem: New drugs in obesity](#)

[Matthias Tschöp](#)

Institute for Diabetes and Obesity (IDO). Helmholtz Zentrum München (Germany)

## **Regular Symposia**

### **S1: *Recent developments in adipocyte biology: White, brown and beige***

*Chair:* M. Mar Malagón (University of Cordoba & IMIBIC)

1. [BAT and BATokines](#)

[Francesc Villarroya](#) (University of Barcelona & CIBEROBN, Spain)

2. [WAT expansion and Metabolic Syndrome](#)

[Antonio Vidal-Puig](#) (Wellcome Trust-MRC Institute of Metabolic Science, UK)

3. [Brains rules BAT-crossroad at AMPK](#)

[Miguel Lopez](#) (University of Santiago de Compostela, CIBEROBN & CIMUS, Spain)

### **S2: *Brain road to obesity (I): Novel signals and mechanisms***

*Chair:* Ruben Nogueiras (University of Santiago de Compostela)

1. [Feeding and reward-Roles of ghrelin](#)

[Suzanne L. Dickson](#) (University of Gothenburg, Sweden)

2. [Central metabolic actions of thyroid hormones](#)

[Eric Fliers](#) (University of Amsterdam, The Netherlands)

3. [Glial cells and metabolic homeostasis](#)

[Julie Chowen](#) (Hospital Universitario Niño Jesus & CIBEROBN, Spain)

**S3: *Brain road to obesity (II): Novel signals and mechanisms***

*Chair:* María Pardo (IDIS & CIBEROBN, Spain)

1. [Non-neuronal control of body weight-role of tanycytes](#)  
[Benedicte Dehouck](#) (University of Lille, France)
2. [Novel gut signals and metabolic homeostasis](#)  
[Luisa M. Seoane](#) (University of Santiago de Compostela, CIBEROBN & IDIS, Spain)
3. [Brain lipid sensing and the central control of body weight](#)  
[Serge Luquet](#) (University Paris Diderot, France)

**S4: *New players in body weight and metabolic homeostasis***

*Chair:* Jesus Argente (Hospital Universitario Niño Jesus & CIBEROBN, Spain)

1. [Novel regulators for the central control of food intake and insulin sensitivity](#)  
[Sophie Steculorum](#) (Max-Planck-Institute for Metabolism Research, Germany)
2. [Liver glucocorticoid receptor, miRNAs & metabolic homeostasis](#)  
[Manuel Gil-Lozano & Stephan Herzig](#) (Helmholtz Center Munich, Germany)
3. [Bone signals and metabolic homeostasis](#)  
[Jose M. Fernandez Real](#) (Hospital of Girona 'Dr Josep Trueta' & CIBEROBN, Spain)

**S5: *Is obesity an infectious disease? Roles of the microbiome in obesity***

*Chair:* Francisco Tinahones (Virgen Victoria University Hospital, IBIMA & CIBEROBN, Spain)

1. [Gut microbiota and obesity](#)  
[Remy Burcelin](#) (INSERM & University Paul Sabatier-Toulouse, France)
2. [Microbiota-derived metabolites affecting insulin sensitivity and resistance](#)  
[Ara Koh & Fredrik Bäckhed](#) (University of Gothenburg, Sweden)
3. [Potential intervention- Modulating the Microbiota to improve metabolic disorders](#)  
[Pablo Perez Martinez](#) (Reina Sofía University Hospital, IMIBIC & CIBEROBN, Spain)

**S6: *New strategies for handling obesity in a clinical setting: From bench to bedside***

*Chair:* Fernando Fernandez-Aranda (IDIBELL & CIBEROBN, Spain)

1. [Does food addiction exist? Implications in treating obesity](#)  
[Uberto Pagotto](#) (University of Bologna, Italy)
2. [Endocrinological lessons taught by bariatric-metabolic surgery](#)  
[Gema Frühbeck](#) (University of Navarra & CIBEROBN, Spain)
3. [Fighting obesity with internet and virtual reality tools](#)  
[Rosa M. Baños](#) (University of Jaume I & CIBEROBN, Spain)

**S7: *Obesity does not stand alone (I): The dangerous liaisons of Obesity***

*Chair:* Justo P Castaño (University of Cordoba, IMIBIC & CIBEROBN, Spain)

1. [Obesity and cancer](#)  
[Andrew G. Renehan](#) (University of Manchester, UK)
2. [Obesity, metabolic signals and neurogenesis](#)  
[Riccarda Granata](#) (University of Turin, Italy)
3. [PCOS, obesity & metabolic complications](#)  
[Jenny A. Visser](#) (Erasmus MC, Rotterdam, The Netherlands)

**S8: *Obesity does not stand alone (II): The dangerous liaisons of Obesity***

*Chair:* TBC

1. [Obesity as complication of endocrine disorders](#)  
[Marta Korbonits](#) (Queen Mary University of London, UK)
2. [Obesity-induced hypogonadism; Mechanisms and consequences](#)  
[M. Tena-Sempere](#) (University of Cordoba, IMIBIC & CIBEROBN, Spain)
3. [Muscle-skeletal complications of obesity. Role of adipokines in muscle-skeletal disorders](#)  
[Oreste Gualillo](#) (Santiago University Hospital & IDIS, Spain)

## ***Plenary Lecture-1***

*Chair:* Jose Lopez-Miranda (Reina Sofía University Hospital, IMIBIC & CIBEROBN, Spain)

[PrediMedPlus- Using Mediterranean diet to tackle obesity and metabolic syndrome](#)

Jordi Salas (Sant Joan University Hospital-Reus & CIBEROBN, SPA)

## ***Plenary Lecture-2***

*Chair:* Nuria Casals (Universitat Internacional Catalunya & CIBEROBN, Spain)

[Estrogens, energy homeostasis and obesity](#)

Deborah Clegg (Cedars-Sinai Medical Center-LA, USA)

## ***Plenary Lecture-3***

*Chair:* Raul M. Luque (University of Cordoba, IMIBIC & CIBEROBN, Spain)

[Brain control of food intake: Can an old dog teach us new tricks?](#)

Giles S. Yeo (Institute of Metabolic Sciences, University of Cambridge, UK)

## ***Closing Lecture***

*Chair:* Carlos Dieguez & Manuel Tena-Sempere (on behalf of the POC)

[Obesity and unhealthy ageing](#)

Rafael de Cabo (National Institute on Aging, NIH, USA)



## Schedule:

3-day conference

## Formal date:

28-30 November 2016

## Expected number of attendees:

150 (120 students + 30 faculty members)

## Venue:

Lecture Hall, Maimonides Institute of Biomedical Research of Cordoba (IMIBIC) Avda. Menendez Pidal s/n 14004 Cordoba (Spain)

### Monday 28/11

9:00	Opening (ESE, IMIBIC, CIBEROBN, UCO)
09:15-10:00	Opening Lecture (1)
10:00-11:30	S1-Recent developments in adipocyte biology (3)
11:30-12:00	Coffee/Tea
12:00-13:30	S2-Brain road to obesity (I): Novel signals and mechanisms (3)
13:30-15:00	Lunch
15:00-16:30	S3- Brain road to obesity (II): Novel signals and mechanisms (3)
16:30-17:00	Coffee/Tea
17:00-17:45	Plenary Lecture-1 (1)
20:00-22:00	Welcome reception (Caballerizas Reales)

### Tuesday 29/11

9:00-10:00	Plenary Lecture-2 (1)
10:00-11:30	S4- New players in body weight and metabolic homeostasis (3)
11:30-12:00	Coffee/Tea
12:00-13:30	S5- Is obesity an infectious disease? Microbiome in obesity (3)
13:30-15:00	Lunch
15:00-16:30	S6- New strategies for handling obesity: From bench to bedside (3)
16:30-17:00	Coffee/Tea
17:00-17:45	Plenary Lecture-3 (1)
20:00-23:00	Working dinner

### Wednesday 30/11

9:00-10:30	S7- Obesity does not stand alone (I): The dangerous liaisons of Obesity (3)
10:30-11:00	Coffee/Tea
11:00-12:30	S8- Obesity does not stand alone (II): The dangerous liaisons of Obesity (3)
12:30-13:15	Closing Lecture (1)
13:15-13:30	Closing of the meeting

# NEW FRONTIERS IN OBESITY RESEARCH

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