

GENERAL INFORMATION

GENERAL INFORMATION



Fundación **pro**cniic

ORGANIZERS



Fundación **pro**cniic

DATES

Madrid, November 7-8, 2014

SPONSORS



VENUE

cniic

CENTRO NACIONAL
DE INVESTIGACIONES
CARDIOVASCULARES (CNIC)

C/ Melchor Fernandez Almagro, 3
28029 Madrid, Spain
Phone: +34 91 453 1200
Web: <http://www.cnic.es/>

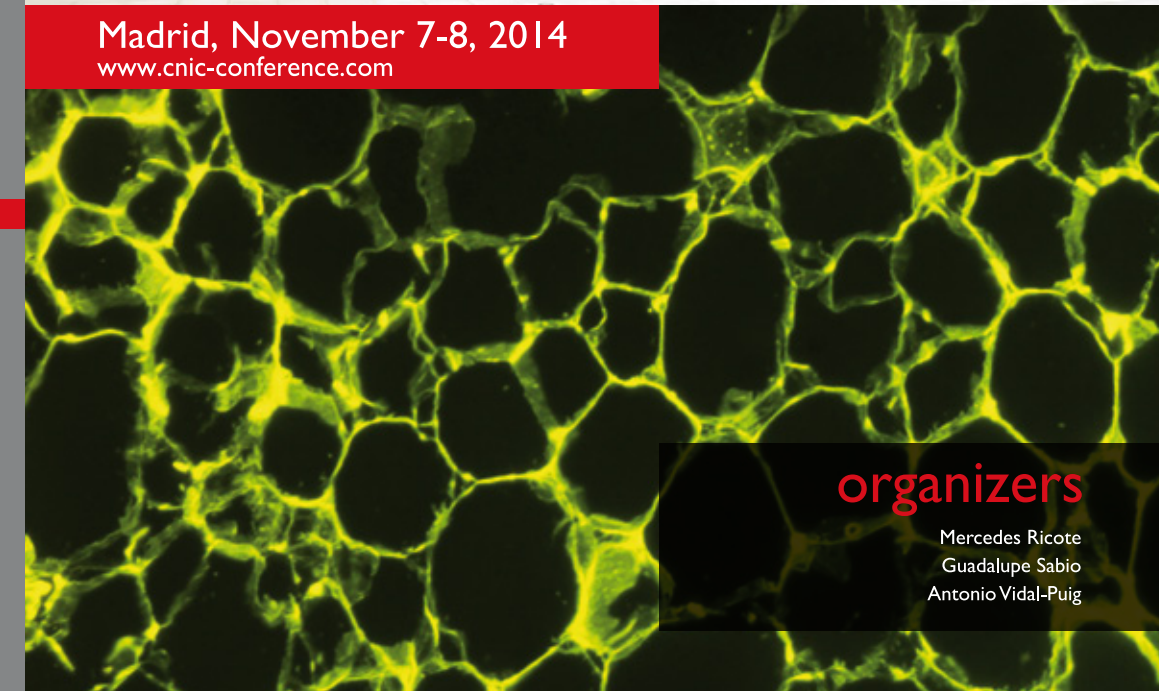
TECHNICAL SECRETARIAT



dirección C/ Rosalía de Castro, 13 - 1º Izda. 15004 A Coruña teléfono 981 216 416
fax 981 217 542 e-mail congrega@congrega.es web www.congrega.es



Madrid, November 7-8, 2014
www.cnic-conference.com



organizers

Mercedes Ricote
Guadalupe Sabio
Antonio Vidal-Puig

sponsored by:



venue: **cniic** CENTRO NACIONAL DE INVESTIGACIONES CARDIOVASCULARES (CNIC)
Melchor Fernández Almagro, 3 - 28029 Madrid, Spain

Friday, November 7th

- 08:30-08:50 Registration
- 08:50-09:00 Welcome by CNIC Conference Organizers
- 09:00-09:30 Opening address by Valentín Fuster, CNIC General Director
"From translational research to CNIC: A personal trip"

Session I - Central Nervous System Control of Energy Metabolism

- Chair:** **Toni Vidal-Puig.** University of Cambridge, UK
- 09:30-10:00 **Jeff Friedman.** The Rockefeller University, New York, USA
"Leptin and the neural circuit regulating food intake and body weight"
- 10:00-10:30 **Dongsheng Cai.** Albert Einstein College of Medicine, Yeshiva University, New York, USA
"Nutrient sensing pathways and the regulation of energy homeostasis"
- 10:30-11:00 **Catherine Postic.** Institut Cochin, Paris, France
"The liver transcription factor ChREBP: From glucose sensing to hepatic steatosis"
- 11:00-11:30 **Coffee Break**

Session II - Adipose Tissue Function and Dysfunction

- Chair:** **Guadalupe Sabio.** CNIC, Madrid, Spain
- 11:30-12:00 **Ronald Kahn.** Joslin Diabetes Center and Joslin Clinic, Boston, USA
"Heterogeneity of adipose tissue and new mechanisms of tissue communication"
- 12:00-12:30 **Barbara Cannon.** Wenner-Gren Institute, Stockholm University, Sweden
"Brown and white adipose tissues: functional and metabolic differences"
- 12:30-14:00 **Lunch & Poster exhibition (I-30)**
- 14:00-14:15 **Short talk**
Alicia G. Gómez-Valadés. IDIBAPS, Barcelona, Spain
"A novel POMC-pancreatic islet axis controlled by mitochondrial fusion protein Mitofusin 1"
- 14:15-14:30 **Short talk**
Monica Imbernon. University of Santiago de Compostela, Spain
"GLP-1 agonism stimulates brown adipose tissue thermogenesis and browning through hypothalamic AMPK"

- 14:30-14:45 **Short talk**
Francesc Villarroya. Institute of Biomedicine of the University of Barcelona, Spain
"Brown adipose tissue as an endocrine organ: Combined "OMICS" approaches to identify new brown adipokines"

Session III - Nuclear Receptors and Cell Metabolism

- Chair:** **Mercedes Ricote.** CNIC, Madrid, Spain
- 14:45-15:15 **Ronald Evans.** Salk Institute for Biological Studies, La Jolla, USA
"Nuclear receptors and the hunger game: from feast to famine. The EMBO Lecture"
- 15:15-15:45 **Johan Auwerx.** Ecole Polytechnique Federale de Lausanne, Switzerland
"Mitochondrial function and metabolism"
- 15:45-16:00 **Short talk:**
Santiago Vernia. University of Massachusetts, Boston, USA
"The PPAR α - FGF21 hormone AXIS contributes to metabolic regulation by the hepatic JNK signaling pathway"
- 16:00-16:30 **David Mangelsdorf.** UT Southwestern Medical Center, Dallas, USA
"Regulation of nutrient metabolism by FGF21"

- 16:30-17:00 **Coffee Break**

Session IV - Metabolic Control of Inflammation and Immunity

- Chair:** **Francisco Sánchez-Madrid.** CNIC, Madrid, Spain
- 17:00-17:30 **Steven E. Shoelson.** Joslin Diabetes Center and Joslin Clinic, Boston, USA
"Interfaces between metabolism and inflammation"
- 17:30-18:00 **Alan R. Saltiel.** University of Michigan Medical School, Ann Arbor, USA
"Inflammatory and counter-inflammatory responses to obesity"
- 18:00-18:30 **Michael Karin.** UCSD School of Medicine and the Burnham Institute, La Jolla, USA
"New insights to the pathogenesis of NASH and its progression to liver cancer"

Saturday, November 8th

Session V - Signalling Pathways in Metabolism

- Chair:** **José Antonio Enríquez.** CNIC, Madrid, Spain
- 09:00-09:30 **Ana M. Cuervo.** Albert Einstein College of Medicine, New York, USA
"Selective autophagy in the control of the cellular energetic balance"
- 09:30-10:00 **Jens Brüning.** Institute for Genetics, University of Cologne, Germany
"Role of defined ceramide species in obesity-associated insulin resistance"
- 10:00-10:15 **Short talk:**
Rebeca Acín-Pérez. CNIC, Madrid, Spain
"ROS-triggered phosphorylation of complex II by fgr kinase regulates cellular adaptation to fuel use"
- 10:15-10:45 **Juleen R. Zierath.** Karolinska Institutet, Stockholm, Sweden
Lipid pathways and regulation of skeletal muscle
- 10:45-11:45 **Coffee Break & Poster exhibition (31-56)**

Session VI - Obesity and the Modulation of Cardiovascular Function

- Chair:** **Borja Ibañez.** CNIC, Madrid, Spain
- 11:45-12:15 **Jean E. Schaffer.** Washington University School of Medicine, St. Louis, USA
"snoRNAs: Unexpected regulators of metabolic stress"
- 12:15-12:45 **E. Dale Abel.** University of Iowa Carver College of Medicine, Iowa City, USA
"Insulin resistance, obesity and myocardial autophagy"
- 12:45-13:15 **Daniel P. Kelly,** Sanford-Burnham Medical Research, Orlando, USA
"Deciphering the metabolic origins of heart failure"
- 13:15-13:30 **Closing Remarks and Farewell**