

4th CIBERDEM Annual Meeting Boí Taüll, October 23-26, 2011

Sunday, October 23, 2011

- 18:00 – 20:00** **Arrival**
- 19:30 – 21:00** **CIBERDEM'S Biobanc Meeting – Sala Vall de Boí**
- 21:00** **Buffet dinner – Restaurante St. Quirze - Apartamentos la Solana**

Monday, October 24, 2011

07:30 – 09:00 **Buffet breakfast – Restaurante St. Quirze - Apartamentos la Solana**

09:15 – 09.30 **Opening session – Centro Social**

Dr. Ramon Gomis

09:30 – 11.00 **Session 1 - Centro Social**

Chair: Dr. Ángela Martínez-Valverde

Chair: Dr. Francisco Martín

IRS2 DEFICIENCY INCREASES NEURONAL OXIDATIVE STRESS AND CONTRIBUTES TO ACCELERATED BRAIN AGEING. (Internal project: IODURE)

Dr. Carlos Acosta (PI Dr. Burks)

PLASTICITY OF PANCREATIC DUCT CELLS IN DEVELOPMENT, REGENERATION AND CANCER

Dr. Jorge Ferrer (PI Dr. Ferrer)

REGULATION OF A CELL CYCLE GENE MODULE BY GLUCOSE IN PANCREATIC ISLETS IS SELECTIVELY LOST DURING AGING

Dr. Joan Marc Servitja (PI Dr. Novials)

USF1 AND USF2 REGULATE THE EXPRESSION OF THE ALX3 GENE IN PANCREATIC ISLET CELLS BY BINDING AT LEAST THREE DIFFERENT E-BOX PROMOTER ELEMENTS

Dr. Antonio Fernández-Pérez (PI Dr. Vallejo)

MAPPING THE HUMAN PANCREATIC ISLET-CELL CIS
REGULOME

Dr. Lorenzo Pasquali (PI Dr. Ferrer)

11.00 – 11.45

Coffee break / poster session - Centro Social

11.45 – 13.45

Session 2 - Centro Social

Chair: Dr. Luis Castaño

Chair: Dr. Anna Novials

SMOKING IS ASSOCIATED WITH LOWER SERUM LEVELS
OF ADIPONECTIN AND HIGHER SERUM LEVELS OF C-
REACTIVE PROTEIN IN NON DIABETIC SUBJECTS: THE
SEGOVIA PROJECT. (Internal Project: IODURE)

Dr. Arturo Corbatón (PI Dr. Serrano-Ríos)

ASSOCIATION OF MITOCHONDRIAL RESPIRATORY CHAIN
POLYMORPHISMS WITH OBESITY AND TYPE 2 DIABETES IN
THE SPANISH POPULATION

SHORT RUNNING TITLE: RESPIRATORY CHAIN SNPS IN
OBESITY AND T2DM . (Internal Project: INGENFRED)

Dr. Felipe Javier Chaves (PI Dr. Carmena)

FABP4 PREDICTS ATHEROGENIC DYSLIPIDEMIA
DEVELOPMENT. THE PREDIMED STUDY

Dr. Anna Cabré (PI Dr. Masana)

HIGH PREVALENCE OF DIABETES, OBESITY AND OTHER
CARDIOMETABOLIC RISK FACTORS IN ANDALUSIA.
DI@BET.ES STUDY

Dr. Sergio Valdés (PI Dr. Soriguer)

TOTAL AND CAUSE-SPECIFIC MORTALITY IN A COHORT OF
PATIENTS WITH TYPE 1 DIABETES FROM A TERTIARY
HOSPITAL 1994-2008

Dr. Sonia Gaztambide (PI Dr. Castaño)

INFLUENCE OF EXERCISE ON PHENOTYPIC
CHARACTERISTICS AND METABOLOMIC RESPONSE IN
PATIENTS WITH TYPE 1 DIABETES.

(Internal Project: METADIAB)

Dr. Laura Brugnara (PI Dr. Novials)

VISCERAL ADIPOSITY IS INCREASED IN WOMEN WITH
POLYCYSTIC OVARY SYNDROME COMPARED TO WOMEN
WITHOUT ANDROGEN EXCESS, AND IS SIMILAR TO THAT
OF MEN

Dr. Héctor F. Escobar Morreale (PI Dr. Escobar Morreale)

EARLY RISK MARKERS FOR CARDIOMETABOLIC DISEASE
AT AGE 3 YR IN CHILDREN BORN SMALL FOR
GESTATIONAL AGE
Giorgia Sebastiani (PI Dr. Ibáñez)

13.45 – 15.00 **Buffet lunch –** *Restaurante St. Quirze - Apartamentos la Solana*

15:00 – 17:00 **Session 3 -** *Centro Social*

Chair: Dr. Ángel Nadal
Chair: Dr. Carmen Álvarez

ROLE OF EXOCRINE CELL DEDIFFERENTIATION ON NEW
BETA CELL FORMATION IN THE POST-NATAL PANCREAS
UNDERGOING REGENERATION
Dr. Noèlia Téllez (PI Dr. Montanya)

GLYCOGEN METABOLISM IN PANCREATIC β -CELL.
(Internal Project: GIDIPRED)
Felipe Slebe (PI Dr. Guinovart)

CELL THERAPY WITH AUTOLOGOUS MESENCHYMAL STEM
CELLS FROM ADIPOSE TISSUE IN DIABETIC PATIENTS:
FIBRINOLYTIC PROPERTIES
Dr. Bernat Soria (PI Dr. Martín)

ANTIDIABETIC ACTIONS OF A SELECTIVE ESTROGEN
RECEPTOR BETA AGONIST
Dr. Paloma Alonso Magdalena (PI Dr. Nadal)

DOPAMINE REGULATES BETA CELLS NUMBER IN
DEVELOPMENT
Dr. Patricia Vázquez (PI Dr. De Pablo)

DOWN REGULATION OF SFRP5 IN PANCREATIC ISLETS
PROMOTES BETA CELLS PROLIFERATION IN OBESITY
Dr. Sandra Rebuffat (PI Dr. Gomis)

PROTEIN PROFILE IN INSULIN PRODUCING RINM5F CELLS
CULTURED WITH LOW NITRIC OXIDE
Dr. Francisco Bedoya (PI Dr. Martín)

EFFECT OF TUNGSTATE ON THE SURVIVAL AND
FUNCTION OF LANGERHANS ISLETS TRANSPLANTED INTO
THE ANTERIOR CHAMBER OF THE MOUSE EYE
Dr. Rita M^a Martins (PI Dr. Gomis)

17:00 – 17:45 **Coffee break / poster session -** *Centro Social*

17:45 – 19.00

Session 4 - Centro Social

Chair: Dr. Joan J. Vendrell

Chair: Dr. María Luisa Villanueva- Peñacarrillo

NEUREGULIN INVOLVEMENT IN INSULIN SENSITIVITY.

(Internal Project: METADIAB)

Dr. Anna Gumà (PI Dr. Zorzano)

INSULIN SIGNALLING VIA INSULIN RECEPTOR SUBSTRATE
2 DRIVES THE DIFFERENTIATION OF HUMAN HEPATOCYTE
PRECURSOR CELLS IN VITRO

Dr. Luke Noon (PI Dr. Burks)

INSULIN-RECEPTOR SUBSTRATE-2 (IRS-2) IS NECESSARY
TO MAINTAIN THE GLUCOKINASE ACTIVITY IN MOUSE

LIVER. (Internal Project: IODURE)

Dr. Enrique Blázquez (PI. Dr. Blázquez)

EFFECTS OF EARLY UNDERNUTRITION ON THE INSULIN
AND GLUCAGON RESPONSES IN THE LIVER OF SUCKLING
RATS. (Internal project: IODURE)

Esther Lizárraga-Mollinedo (PI Dr. Álvarez)

MITOFUSIN 2 LINKS MITOCHONDRIAL AND ER FUNCTION
WITH INSULIN SIGNALING AND IS ESSENTIAL FOR NORMAL
GLUCOSE HOMEOSTASIS

Dr. David Sebastián (PI Dr. Zorzano)

19:00 – 20.30

CIBERDEM Direction Committee Meeting - Centro Social

21.00 – 22:30

Buffet dinner - Restaurante St. Quirze - Apartamentos la Solana

Tuesday, October 25, 2011

07:30– 09:00 **Buffet breakfast** - *Restaurante St. Quirze - Apartamentos la Solana*

09:00 – 13:00 **Romanesque Visit / Walk to Aigüestortes National Park**

13.30 – 15.00 **Buffet lunch** - *Restaurante St. Quirze - Apartamentos la Solana*

15:00 – 17.00 **Session 5** - *Centro Social*

Chair: Dr. Francisco Blanco Vaca

Chair: Dr. Deborah Burks

PTX3 PROTEIN IS ABUNDANT IN ADIPOSE TISSUE AND REGULATES GLUCOSE METABOLISM IN CULTURED ADIPOCYTES. (Internal Project: STEMOB)
Óscar Osorio (PI Dr. Gómez- Foix)

ROLE OF DIABETES AND OBESITY REGULATED GENE (DOR) IN WNT-SIGNALING REGULATED ADIPOGENESIS
Dr. Montserrat Romero (PI Dr. Zorzano)

TRANSCRIPTIONAL REGULATION OF MITOCHONDRIAL BIOGENESIS INDUCED BY PPAR γ ; AGONISTS IN WHITE ADIPOSE TISSUE
Dr. Josep A. Villena (PI Dr. Simó)

DELETION OF MITOCHONDRIAL FUSION PROTEIN MITOFUSIN 2 IN HYPOTHALAMIC POMC NEURONS LEADS TO OBESITY AND IMPAIRED GLUCOSE HOMEOSTASIS IN MICE
Marc Schneeberger (PI Dr. Gomis)

AMYLIN AMELIORATES DELETERIOUS BONE STRUCTURE IN DIABETIC STATE. (Internal project: ENDODIAB)
Irene Gutiérrez (PI Dr. Villanueva-Peñacarrillo)

THE LIPIN FAMILY AND PHOSPHOLIPID SYNTHESIS
Dr. Mercedes Miranda (PI Dr. Vendrell)

THE CHOLESTEROL CONTENT OF WESTERN DIETS PLAYS A MAJOR ROLE IN THE PARADOXICAL INCREASE IN HDL CHOLESTEROL AND UPREGULATES THE MACROPHAGE REVERSE CHOLESTEROL TRANSPORT PATHWAY
Dr. Joan Carles Escolà (PI Dr. Blanco Vaca)

REGULATION OF LIPID DROPLET BIOGENESIS BY AA IN
HUMAN MONOCYTES
Carlos Guijas (PI Dr. Balsinde)

17.00 – 17.30 **Coffee break / Poster session - Centro Social**

17.30 – 19.00 **Session 6 - Centro Social**

Chair: Dr. Rafael Simó
Chair: Dr. Flora de Pablo

METABOLOMIC ANALYSIS OF VITREOUS HUMOUR FROM
DIABETIC PATIENTS WITH AND WITHOUT RETINOPATHY
Dr. Oscar Yanes (PI Dr. Correig)

INVOLVEMENT OF INSULIN RECEPTOR A ISOFORM IN THE
AORTIC ATHEROSCLEROTIC PROCESS.
(Internal project: IREVAS)
Dr. Manuel Benito (PI Dr. Benito)

NEUROPHYSIOLOGICAL ALTERATIONS IN TRANSGENIC
RETINAS OVEREXPRESSING IGF-I
Pilar Villacampa (PI Dr. Bosch)

CARDIOPROTECTIVE PRO-INFLAMMATORY SIGNALING
PATHWAYS ARE INDUCED BY RESVERATROL IN HUMAN
CARDIAC CELLS
Dr. Xavier Palomer (PI Dr. Vázquez Carrera)

FENOFIBRIC ACID REDUCES FIBRONECTIN AND
COLLAGEN TYPE IV OVEREXPRESSION IN HUMAN RETINAL
PIGMENT EPITHELIAL CELLS GROWN IN CONDITIONS
MIMICKING THE DIABETIC MILIEU: FUNCTIONAL
IMPLICATIONS IN RETINAL PERMEABILITY
Marta Villarroel (PI Dr. Simó)

ESSENTIAL ROLE OF PROTEIN TYROSINE PHOSPHATASE
1B IN THE DEVELOPMENT OF AGE-ASSOCIATED
SENESCENCE, INFLAMMATION AND INSULIN RESISTANCE
Dr. Águeda González (PI Dr. Martínez- Valverde)

19.00 – 19.15 **Concluding remarks - Centro Social**

19.30 – 21.00 **Principal Investigators Meeting - Centro Social**

21.00 **Dinner - Restaurante St. Quirze - Apartamentos la Solana**

Wednesday, October 26, 2011

07.30 – 09.00 **Breakfast - Restaurante St. Quirze - Apartamentos la Solana**

09.30- **Departure**

POSTERS

1. NOVEL MUTATIONS FOUND AT THE GENETIC CHARACTERIZATION OF CONGENITAL HYPERINSULINISM IN SPANISH POPULATION. (Internal Project: MODIAB)

Dr. Rosa Martínez (PI Dr. Castaño)

2. BETA-CELL OVEREXPRESSION OF VITAMIN-D RECEPTOR IMPAIRS β -CELL FUNCTION

Dr. Alba Casellas (PI Dr. Bosch)

3. OPTIMAL CUT-POINT OF HEMOGLOBIN A1C FOR DETECTING INDIVIDUALS WITH TYPE 2 DIABETES: THE SEGOVIA STUDY. (Internal Project: IODURE)

Dr. Arturo Corbatón (PI Dr. Serrano- Ríos)

4. HIGH LEVELS OF INSULIN-SENSITIVITY MODULATING ADIPOKINES IN SMALL FOR GESTATIONAL AGE INFANTS AFTER WEIGHT CATCH-UP. THE CHILDBODYFAT STUDY. (Internal Project: CHILDBODYFAT)

Dr. Anna Cabré (PI Dr. Masana)

5. PLASMA HOMOCYSTEINE (HCY) LEVELS ARE INDEPENDENTLY ASSOCIATED WITH THE SEVERITY OF PERIPHERAL POLYNEUROPATHY (PN) IN TYPE 2 DIABETIC SUBJECTS

Dr. José Tomás Real (PI Dr. Carmena)

6. A METABOLOMICS APPROACH TO UNRAVEL THE MECHANISM CONTROLLING BETA CELL PLASTICITY

Dr. María Vinaixa (PI Dr. Correig)

7. CORD BLOOD ADIPONECTIN IS AN INDEPENDENT PREDICTOR OF NEONATAL ADIPOSITY

Dr. Ana Megia (PI Dr. Vendrell)

8. AMPK ACTIVATION BY OLEIC ACID INHIBITS PALMITATE-INDUCED ENDOPLASMIC RETICULUM STRESS IN SKELETAL MUSCLE CELLS.

(Internal Project: METADIAB)

Laia Salvadó (PI Dr. Vázquez-Carrera)

9. OLIVE OIL CONSUMPTION AND CARDIOMETABOLIC RISK FACTORS IN SPAIN. THE DI@BET.ES STUDY.

Dr. Sergio Valdés (PI Dr. Soriguer)

10. CIRCULATING ADIPOCYTE FATTY ACID-BINDING PROTEIN (FABP4) IS A LINK BETWEEN HEART FAILURE, OBESITY, AND DIABETES

Dr. Anna Cabré (PI Dr. Masana)

11. RULE OF THE DIET IN THE REGULATION OF CIRCADIAN CYCLE IN ADIPOSE TISSUE
Dr. Elena González (PI Dr. Gomis)
12. ASSESSMENT OF COMPOSITIONAL DIFFERENCES IN HDL CHOLESTEROL BETWEEN CONTROL AND DIABETIC SUBJECTS USING NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY
Dr. Roger Mallol (PI Dr. Correig)
13. MFN2 IS REQUIRED DURING ER-STRESS TO ACTIVATE AUTOPHAGY AND APOPTOSIS VIA REGULATION OF THE PERK/ATF4 AND ATF6 PATHWAYS
Dr. Juan Pablo Muñoz (PI Dr. Zorzano)
14. MOUSE INDUCED PLURIPOTENT STEM CELL LINE GENERATION AND DIFFERENTIATION TOWARDS A DEFINITIVE ENDODERM FATE
Manuel Carrasco (PI Dr. Martín)
15. IT IS POSSIBLE TO PREVENT THE TYPE 2 DIABETES MELLITUS? STUDY EGABRO-PIZARRA: A STUDY OF PRIMARY PREVENTION WITH MEDITERRANEAN DIET AND PHYSICAL EXERCISE
Dr. Gemma Rojo (PI Dr. Soriguer)
16. ROLE OF THE MEK/ERK PATHWAY IN THE REGULATION OF GSK-3 AND GLYCOGEN SYNTHASE PHOSPHORYLATION AND ACTIVITY AND TAU PHOSPHORYLATION IN CULTURED MYOTUBES
Dr. Marta Montori (PI Dr. Gómez-Foix)
17. EXENDINE-4 MODULATES NUTRIENTS EFFECTS ON HYPOTHALAMIC METABOLIC SENSORS IN LEAN AND OBESE RATS. (Internal Project: IODURE)
Verónica Hurtado (PI Dr. Blázquez)
18. METFORMIN INDUCES CELL DEATH SPECIFICALLY IN PANCREATIC β CELLS
Dr. Carlos Guillén (PI Dr. Benito)
19. LOSS OF IRS2 SIGNALING INCREASES THE NUMBER OF ADIPOCYTE PROGENITOR CELLS IN WHITE ADIPOSE TISSUE
Verónica Moreno (PI Dr. Burks)
20. EFFECT OF HIGH FAT DIET ON GLUCOSE METABOLISM IN MICE EXPOSE TO BISPHENOL-A DURING EMBRYONIC DEVELOPMENT
Marta García-Arévalo (PI Dr. Nadal)
21. TWEAK MODULATES TNF α -INDUCED CYTOKINE PRODUCTION IN HUMAN ADIPOCYTES. (Internal project: STEMOB)
Elsa Maymó (PI Dr. Vendrell)

22. PATATIN-LIKE PHOSPHOLIPASE DOMAIN-CONTAINING 3 PROTEIN (PNPLA3) RS738409 POLYMORPHISM: RELATION TO BODY FAT AND ENDOCRINE-METABOLIC PARAMETERS AFTER 1 YEAR OF METFORMIN THERAPY IN GIRLS WITH ANDROGEN EXCESS

Dr. Marta Díaz (PI Dr. Ibáñez)

23. ROLE OF INSULIN RECEPTOR ISOFORM A IN INSULIN/IGF-I-INDUCED BETA-CELL HYPERPLASIA

Dr. Oscar Escribano (PI Dr. Benito)

24. POLYMORPHISMS IN THE SEX HORMONE-BINDING GLOBULIN GENE, SHBG LEVELS AND POLYCYSTIC OVARY SYNDROME

Dr. M^a Ángeles Martínez (PI Dr. Escobar – Morreale)

25. PGC-1 β CONTROLS MITOCHONDRIAL GENE EXPRESSION AND FUNCTION IN WHITE ADIPOSE TISSUE

Natàlia Enguix (PI Dr. Simó)

26. HYPERGLYCEMIA IN HOSPITALIZED PATIENTS RECEIVING PARENTERAL NUTRITION IS ASSOCIATED WITH INCREASED MORTALITY IN NON CRITICAL HOSPITALIZED PATIENTS

Dr. Gabriel Olveira (PI Dr. Soriguer)

27. BOMBESIN RECEPTOR SUBTYPE-3 SIGNALLING AND ITS ROLE ON GLUCOSE TRANSPORT AND METABOLISM IN OBESE STATE.

(Internal project: ENDODIAB)

Irene Ramos (PI Dr. Villanueva- Peñacarrillo)

28. ALPHA AND BETA-CELL ADAPTATIONS DURING DIET-INDUCED OBESITY

Dr. Patricia Neco (PI Dr. Nadal)

29. IMPACT OF PANCREATIC ENDOTHELIUM ON SECRETORY CAPACITY AND PROLIFERATION OF PANCREATIC ISLET CELLS

Montse Visa (PI Dr. Novials)

30. UNSATURATED FATTY ACIDS PROTECT FROM CYTOKINES PROINFLAMMATORY EFFECT ON ENDOTHELIAL CELLS.

(Internal project: IREVAS)

Dr. Beatriz Gozalbo (PI Dr. Benito)

31. VITAMIN D AND INCIDENCE OF DIABETES: A PROSPECTIVE COHORT STUDY

Inmaculada González (PI Dr. Soriguer)

32. LIPID ACCUMULATION PRODUCT: A POWERFUL TEST TO IDENTIFY METABOLIC SYNDROME IN HEALTHY SPANISH POPULATION. A POPULATION BASED STUDY. (Internal Project: IODURE)

Dr. María Teresa Martínez Larrad (PI Dr. Serrano-Ríos)

33. PRE β 1-HDL PLASMA CONCENTRATIONS IN TYPE 2 DIABETIC PATIENTS. EFFECT OF FENOFIBRATE AND NIACIN. (Internal Project: LOWHDL)
Dr. Anna Cabré (PI Dr. Masana)

34. EXPRESSION OF PHOSPHOLIPASES IN HUMAN POLARIZED MACROPHAGES
Dr. Julio Miguel Rubio(PI Dr. Balsinde)

35. HEPATIC OVEREXPRESSION OF A CONSTITUTIVELY ACTIVE FORM OF LIVER GLYCOGEN SYNTHASE IMPROVES GLUCOSE HOMEOSTASIS AND DIABETES
Dr. Delia Zafra (PI Dr. Guinovart)

36. GLUCAGON-LIKE PEPTIDE-1 IMPROVES β -CELL ANTIOXIDANT CAPACITY VIA NUCLEAR TRANSCRIPTION FACTOR ERYTHROID 2 (NRF2) ACTIVATION
Dr. Elisa Fernández-Millán (PI Dr. Álvarez)

37. TNF-ALPHA INHIBITS PPARBETA/DELTA ACTIVITY AND SIRT1 EXPRESSION THROUGH NF-KAPPAB IN HUMAN ADIPOCYTES
Lucía Serrano (PI Dr. Vázquez-Carrera)

38. 1,2-DIARACHIDONOYL-GLYCEROPHOSPHOINOSITOL, A MAJOR ACCEPTOR OF ARACHIDONIC ACID IN HUMAN MONOCYTES AND NEUTROPHILS
Luis Gil De Gómez (PI Dr. Balsinde)

39. INFLUENCE OF SEXUAL STEROID CONCENTRATIONS ON THE DIFFERENTIAL EXPRESSION OF PROTEINS IN SKELETAL MUSCLE
Rafael Montes (PI Dr. Escobar-Morreale)

40. IRS2-DEFICIENT MICE DEVELOPS DIABETIC NEPHROPATHY
Dr. Beatriz Santamaría (PI Dr. Martínez-Valverde)

41. ATP-BINDING CASSETTE G5/G8 DEFICIENCY CAUSES HYPERTRIGLYCERIDEMIA BY AFFECTING MULTIPLE METABOLIC PATHWAYS
Dr. Joan Carles Escolà-Gil (PI Dr. Blanco-Vaca)

42. ROLE OF GATA4 IN ISLET VASCULATURE
Irene Delgado (PI Dr. Martín)

43. THE PPARB/D ACTIVATOR GW501516 INHIBITS IL-6-INDUCED INSULIN RESISTANCE IN HUMAN LIVER CELLS BY SUPPRESSING STAT3 PHOSPHORYLATION
Dr. Emma Barroso (PI Dr. Vázquez-Carrera)

44. EXPRESSION OF GLUCAGON IN PANCREATIC β CELLS IS REGULATED BY INTERACTING PAX6 AND ALX3 HOMEOPROTEINS
Dr. Mercedes Mirasierra (PI Dr. Vallejo)

45. GLUCAGON-LIKE PEPTIDE-2 (GLP-2) MODULATES THE CGMP SIGNALLING PATHWAY BY REGULATING THE EXPRESSION OF α -1 AND β -1 SUBUNITS OF THE SOLUBLE GUANYLYL CYCLASE RECEPTOR IN CULTURED RAT ASTROCYTES. (Internal project: IODURE)
Dr. Juan Miguel Ruiz (PI Dr. Blázquez)

46. DEREGLATION OF STRESS AND SURVIVAL SIGNALING PATHWAYS IN RETINAL PIGMENT EPITHELIUM OF DIABETIC PATIENTS: BENEFICIAL EFFECTS OF FENOFIBRATE AGAINST DIABETIC MILIEU IN A HUMAN RETINAL PIGMENT EPITHELIUM CELL LINE.
(Internal project: NEURONET-DIAB)
Dr. Ángela Martínez-Valverde (PI Dr. Martínez-Valverde)

47. PHYTOSTEROLS INHIBIT THE TUMOR GROWTH AND LIPOPROTEIN OXIDIZABILITY INDUCED BY A HIGH-FAT DIET IN MICE WITH INHERITED BREAST CANCER
Dr. Francisco Blanco Vaca (PI Dr. Blanco-Vaca)

48. TREATMENT OF ANDROGEN EXCESS IN ADOLESCENT GIRLS: ETHINYLESTRADIOL-CYPROTERONEACETATE VERSUS LOW-DOSE PIOGLITAZONE-FLUTAMIDE-METFORMIN
Dr. Lourdes Ibáñez (PI Dr. Ibáñez)

49. EVALUATION OF INSULIN RESISTANCE ACROSS HISPANIC AND NO HISPANIC POPULATION. COMPARATIVE PERFORMANCE OF DIFFERENT SURROGATE MEASURES OF INSULIN RESISTANCE.
(Internal project: IODURE)
Dr. María Teresa Martínez Larrad (PI Dr. Serrano Ríos)