

# XXI CNB Scientific Workshop

Tuesday, December 17<sup>th</sup> 2013

(Chair: Carmen Castresana)

**10:00 Víctor Muñoz:** Exploring biological roles and nanotechnological applications of molecular rheostats

**10:20 Juan Ortín:** On the interactions between influenza virus and the host cell

**10:40 Florencio Pazos:** New approaches for the annotation and prediction of function and functional sites at the protein domain level

**11:00 Michael Sauer:** Intracellular trafficking in plants

## Coffee break

(Chair: Juan José Sanz)

**12:00 Fernando Rojo:** Global regulation of metabolism in *Pseudomonas*

**12:20 Ana Cuenda:** Role of stress activated protein kinase p38MAPKs in human diseases

**12:40 Carmen Castresana:** New activities of oxylipins, a class of lipid signals regulating plant immunity

**13:00 Marta Nieto:** Developmental plasticity in the cortex

## Lunch

(Chair: Hugh Reyburn)

**15:00 Djordje Bajić:** How gene context modifies genetic networks

**15:20 Pilar Cubas:** Genetic analysis of axillary meristem development

**15:40 Juan José Sanz Ezquerro:** Role of Arid3b in limb and heart development

# WORKSHOP

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Wednesday, December 18<sup>th</sup> 2013

(Chair: Javier Paz-Ares)

**10:00 José María Valpuesta:** The protein folding and degradation pathways: an assembly line of nanomachines

**10:20 Rafael Pérez Mellado:** Towards maximising secretory protein production in *Streptomyces* bacteria

**10:40 Yolanda R. Carrasco:** Shaping cell dynamics to regulate B cell function

**11:00 Roberto Solano:** Rational design of an efficient JA-Ile receptor antagonist

## Coffee break

(Chair: José María Valpuesta)

**12:00 Mark J. van Raaij:** Crystal structures of receptor-binding fibres of bacteriophages and animal adenoviruses

**12:20 Pablo Gastaminza:** Discovery and evaluation of novel antivirals and host cell targets against hepatitis C virus infection

**12:40 Hugh Reyburn:** Novel insights into human NK cell biology from the study of primary immunodeficiency

**13:00 Lourdes Planelles:** APRIL intersection in the immune system and breast cancer biology

## Lunch

(Chair: Mariano Esteban)

**15:00 Fernando Moreno Herrero:** Single molecule approaches to study double-stranded DNA break resection

**15:20 Silvia Ayora:** Prokaryotic DNA replication and genome stability

**15:40 Gonzalo Martínez Martínez:** Protein expression in T-cell differentiation: effects of diacylglycerol signalling

**15:50 María Calvo:** Restriction of Plum pox virus infection in *Arabidopsis* might be caused by defects in interactions between a translation initiation factor and VPg and other viral proteins

# WORKSHOP