

XXIV CNB Scientific Workshop

TUESDAY, 20 December 2016

Session I, Chair: Fernando Rojo

10:00 Andrea Chini: Chemical genomic dissection of plant signalling

10:20 Fernando Moreno-Herrero: Combined magnetic tweezers and TIRF microscopy to visualize DNA-protein interactions

10:40 Mónica Chagoyen: Studying the organization of clinical signs in the human interactome

11:00 Jesús Blázquez: A new mismatch repair pathway in nature?

11.20h Break

Session II, Chair: Juan Carlos Alonso

11:40 Hugh Reburn: New insights into NK cell biology: lessons from primary immunodeficiency

12:00 José Ramón Naranjo: DREAM interacts with ATF6-alpha and regulates the UPR in Huntington's disease

12:20 Jose Juan Sánchez-Serrano: Protein phosphatase 2A in plant developmental signalling

12:40 José Ruiz Castón: 3D cryo-EM of viral nanomachines at atomic resolution

13:00h Lunch break

Session III, Chair: Miguel Vicente

15:00 Fernando Rojo: Global regulation of metabolism in *Pseudomonas*: the role of the Crc and Hfq proteins

15:20 Mar Valés: The immune response of Natural Killer cells against cancer

15:40 Marta Nieto: Developmental plasticity wiring your brain

Predocutorial Session I, Chair: M. Teresa Bueno

16:00 Victoria Castro: Distinct and overlapping roles of host lipins in hepatitis C virus infection.

16:15 Pilar Lasierra: Role of *Arabidopsis* DELLAs in salt tolerance

16:30 Jorge Dominguez: Role of spleen monocytes in *Candida* infection

17.00h Predocutorial Poster Session I

Adriana Sanz, Marcos Gragera, Massiel Cepeda, Elena Sanchez, Clara Moreno, Ramón Contreras, Alejandro Martín, Javier López, Marta Pérez, Lucía Morales, Sara Violeta Merino

WORKSHOP

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WEDNESDAY, 21 December 2016

Session IV, Chair: Juan José Sanz

10:00 Jose María Valpuesta: The chaperone Hsp70 network

10:20 Rafael Pérez Mellado: The three *Streptomyces lividans* HtrA-like proteases involved in the secretion stress response act in a cooperative manner

10:40 Carlos Martinez: Stem cells: compromise and commitment

11:00 José Manuel Franco-Zorrilla: Identification of plant transcription factor target sequences

11.20h Break

Session V, Chair: Hugh Reyburn

11:40 Francisco Rodríguez: Infectious bursal disease virus: an old dog learning new tricks

12:00 Víctor de Lorenzo: The Cell Factory: from analogy to methodology

12:20 Mark van Raaij: High-resolution crystal structures of adenovirus capsid proteins and bacteriophage receptor-binding proteins

12:40 Carlos Ardavín: Role of monocytes in infection and allergy

13:00h Lunch break

Session VI, Chair: Florencio Pazos

15:00 Luis A. Fernández: Engineering *E. coli* to deliver proteins into target cells

15:20 Pilar Cubas: Gene networks controlling bud dormancy in plants

15:40 Pablo Gastaminza: Study of host-virus interactions during hepatitis C virus infection in cell culture.

Predocutorial Session II, Chair: Andrés Ortigosa

16:00 Marta Cobo: Global ecological approach based on genomic data of different environments and microbial taxa

16:15 Alberto Marin González: Exploring mechanical properties of double-stranded DNA and RNA using atomistic simulations

16:30 Fernando Sanz: Prediction of antibiotic resistance

17.00h Predocutorial Poster Session II

Alberto Sánchez-Pascuala, Lissette Ochoa, Carlos Tarancón, Daniel Fuentes y Nicolás Romero, Huseyin Tas, Teresa Bueno, Marta García, Marta Cobo, Carlos García, Amaia Talavera

WORKSHOP