

**10:00 Carmen Castresana:** Welcome and presentation

**Session I**

**(chairs: Carmen Simón and Carmen San Martín)**

**10:15 Antia Rodríguez-Villalón** (antia.rodriguezvillalon@unil.ch)  
Suppression of Arabidopsis protophloem differentiation and root meristem growth by CLE45 requires the receptor-like kinase BAM3  
Principal Investigator: Christian Hardtke, University of Lausanne (Switzerland)

**10:40 Ana López Sánchez** (a.lopez-sanchez@sheffield.ac.uk)  
Discover of epigenetic bases of immunitary transgenerational priming in *Arabidopsis*  
Principal Investigator: Jurriaan Ton, University of Sheffield (UK)

**11:05 Sara Díaz-Triviño** (sara.diaztrivino@wur.nl)  
Retinoblastoma network controls two asymmetric stem cell divisions in plants  
Principal Investigator: Ben Scheres, Plant Developmental Biology Department, Wageningen University (The Netherlands)

**11:30 Silvia Hernández-Ainsa** (smh80@cam.ac.uk)  
DNA origami nanopores for biosensing applications  
Principal Investigator: Ulrich Keyser, Department of Physics, University of Cambridge, Cambridge (UK)

**(Coffee break)**

**Session II**

**(chairs: Inés Antón and Silvia Ayora)**

**12:25 David Foronda** (dforonda@imcb.a-star.edu.sg)  
miR-305 regulates the homeostasis of Drosophila intestinal stem cells  
Principal Investigator: Stephen M Cohen, Institute of Molecular and Cell Biology-IMCB, Singapore

**12:50 Eva M. Galán** (evagalan81@gmail.com)  
Identification of endothelial-derived factors controlling glioblastoma stem-like cells maintenance  
Principal Investigator: Julie Gavard, Institut Cochin, Paris (France)

**13:15 Álvaro San Millán** (alvaro.sanmillan@zoo.ox.ac.uk)  
Existence conditions for non-transmissible plasmids  
Principal Investigator: Craig MacLean, Department of Zoology, University of Oxford (UK)

**13:40 José Antonio Escudero** (jose.escudero@pasteur.fr)  
Evolving the Integron Integrase using synonymous genes  
Principal Investigator: Didier Mazel, Institut Pasteur, Paris (France)

**(Lunch time)**

**16:00**

**Round table discussion about European funding opportunities**

**(chairs: Yolanda R. Carrasco and Domingo F. Barber)**

**Roberto Horcajada** (int.projects@iuct.com)  
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**(Turrón and cava)**

Sponsors



Organizers

Domingo F. Barber  
Lourdes Planelles  
Yolanda R. Carrasco

Collaborators

Fernando Almazán    Inés Antón    Silvia Ayora    Andrea Chini  
Francisco J. Iborra    Alfonso Mora    Marta Nieto  
Juan Poyatos    Carmen San Martín



**XXI WORKSHOP**

**AVANCES**

**EN BIOLOGÍA MOLECULAR**

**POR JÓVENES INVESTIGADORES**

**EN EL EXTRANJERO**

**19 DECEMBER 2013**

Salón de Actos del Centro Nacional de Biotecnología