

Instituto de Neurociencias ■ Alicante ■ Spain  
18th & 19th February 2016



# PhD Student & Postdoc Meeting

Building Neuroscience  
The Future of a Multidisciplinary Field

## Day 1: From Synapses to Systems Neuroscience

- 09:00 **Registration**
- 09:45 **Welcome & Introduction**  
**Juan Lerma**, *Director of the Inst. de Neurociencias*
- 10:00 **Systems Neuroscience I**  
Timing in cortical circuits  
**Thomas Klausberger**  
*Center for Brain Research, Medical University of Vienna*
- 11:00 **Short Presentation I**  
**Jorge R. Brotons-Mas** *Inst. de Neurociencias*
- 11:30 **Coffee Break & Poster Session**
- 12:00 **Systems neuroscience II**  
Editing a representation of space in the mouse hippocampus to alleviate a cocaine-place memory  
**David Dupret**  
*University of Oxford*
- 13:00 **Short presentation II**  
**Manuel Valero**  
*Instituto Cajal*
- 13:30 **Lunch Time & Poster Session**
- 14:30 **Roundtable I**  
Critical revision of the major projects & funding initiatives worldwide:  
BRAIN & HUMAN BRAIN PROJECT- is this the best way of doing science?  
*Moderating: Juan Lerma Inst. de Neurociencias*  
*Participants: Peter Scheiffele, Zafar Bashir, Thomas Klausberger, David Dupret*
- 15:30 **Synapse formation & plasticity I**  
Molecular Diversity & Alternative Splicing Codes for Synaptic Specificity  
**Peter Scheiffele**  
*Biozentrum, University of Basel*
- 16:30 **Coffee Break & Poster Session**
- 17:00 **Short presentation III**  
**Andrea Moreno** *University of Edinburgh*
- 17:30 **Synapse formation & plasticity I**  
How synaptic plasticity influences function of brain circuits  
**Zafar Bashir**  
*Centre for Synaptic Plasticity, University of Bristol*
- 18:30 **Short presentation IV**  
**Pilar Montes**  
*CiMUS*

## Day 2: Epigenomics & Human Neurological Disease

- 09:30 **Epigenomics & Disease I**  
Epigenetic mechanisms in brain diseases  
**André Fischer**  
*German Center for Neurodegenerative Diseases*
- 10:30 **Short presentation V**  
**Irene Gutierrez** *Inst. de Neurociencias*
- 11:00 **Coffee Break & Poster Session**
- 11:30 **Epigenomics & Disease II**  
Epigenetics in Neurology: From Rett Syndrome to Dementia  
**Manel Esteller**  
*Cancer Epigenetics & Biology Program  
PEBC - IDIBELL*
- 12:30 **Short presentation VI**  
**Sergio Juarez** *Inst. de Neurociencias*
- 13:00 **Lunch Time & Poster Session**
- 14:00 **Roundtable II**  
Building the bridges from bench to bedside: translational research in neuroscience  
*Moderating: Carlos Belmonte*  
*Participants: André Fischer, Manel Esteller, Richard Morris & Juana Gallar*
- 15:00 **Short presentation VII**  
**Danny Florez-Paz** *Inst. de Neurociencias*
- 15:30 **Short presentation VI**  
**Carole Shum** *King's College*
- 16:00 **Coffee Break & Poster Session**
- 16:30 **Roundtable III**  
What makes a great Science Fair Project?  
Scientific funding in a hypercompetitive era of limited resources  
*Moderating: Ángela Nieto*  
*Participants: Víctor Borrell, Eloísa Herrera & Guillermina López-Bendito*
- 17:30 **Closing Lecture**  
Synaptic & behavioural tagging: implications for memory consolidation  
**Richard Morris**  
*Center for Cognitive & Neural Systems  
CCNS, University of Edinburgh*
- 18:30 **Prize awards & closing toast**

