



Circuits & Behavior

Severo Ochoa Symposium 2016

Wednesday 26th & Thursday 27th of October
Salón de Actos, Instituto de Neurociencias

AFTERNOON WORKSHOPS will be held in SALA DE REUNIONES 2

DAY 1 Wednesday

Morning LECTURES : Chair Cristina Márquez

- 09:30 **Peter J Magill**
Neuronal substrates of a division of labor in the external globus pallidus
- 10:30 **Julijana Gjorgjieva**
Crawling Drosophila larvae: circuits modeling and development
- 11:30 **Break**
- 12:00 **Robert Froemke**
Oxytocin, maternal behavior and excitatory-inhibitory balance
- 13:00 **Lunch**

Afternoon WORKSHOPS : Chair Alex Gomez-Marin

- 14:30 **Meet the expert 1** Froemke and Kerr
Optical methods to dissect complex behaviors
- 16:00 **Break**
- 16:30 **Meet the expert 2** Gjorgjieva
Modeling activity, sensory feedback and plasticity in neuronal circuits

DAY 2 Thursday

Morning LECTURES : Chair Ramon Reig

- 09:30 **Mavi Sanchez-Vives**
Shaping the default mode of the cortical network
- 10:30 **Jason Kerr**
Using light to quantify neuronal activity in the freely behaving animal
- 11:30 **Break**
- 12:00 **Gordon Berman**
Mapping the structure of animal behavior
- 13:00 **Lunch**

Afternoon WORKSHOPS : Chair Alex Gomez-Marin

- 14:30 **Meet the expert 3** Berman
Dimensionality reduction methods in animal behavior
- 16:00 **Break**
- 16:30 **Meet the expert 4** Sanchez-Vives and Maguill
Electrophysiological techniques

Invited Speakers

Gordon Berman
Emory, USA

Robert Froemke
NYU, USA

Julijana Gjorgjieva
Max Planck, Germany

Jason Kerr
Caesar, Germany

Peter J Magill
Oxford, UK

Mavi Sanchez-Vives
IDIBAPS, Spain

Organizers IN

Alex Gomez-Marin
Behavior of Organisms Lab

Cristina Márquez
Neural Circuits of Social Behavior Lab

Ramon Reig
Sensory-motor Processing by Subcortical Areas

