

18th Christmas Meeting

20-21 December 2021
Alicante, Spain

MONDAY - 20th DECEMBER 2021

12:30 Introduction: Angel Barco (Director)

12:35 1-minute oral presentation for posters

13:00 Poster session

Session I. Chair: Felix Leroy

15:00 **Ramon Nogueira** - Manas Columbia University, New York, USA

Virtual Seminar: *The geometry of cortical representations of touch in rodents*

15:30 **Gabriele Ciceri** - Sloan Kettering Institute, New York, USA

Directing the timing of maturation in human pluripotent stem cell-derived cortical neurons

16:00 **Carolina Gomis-Pérez** - Yale University, West Haven, USA

Rapid propagation of membrane tension at retinal bipolar neuron presynaptic terminals

16:30 **Miriam Hernández-Morales** - University of California, Berkeley, USA

Virtual seminar: *FeRIC: a magnetogenetic technique to control neuronal excitability*

TUESDAY - 21th DECEMBER 2021

Session II. Chair: Teresa Femenia

09:00 **Mario Martín** - Neurocentre Magendie - U1215, Bordeaux, France

Simultaneous encoding of fear state and threat identity in prefrontal cortex neuronal populations

09:30 **Roberta Haddad** - Institut d'Investigacions Biomèdiques August Pi i Sunyer, Barcelona

Pregnancy food craving-like episodes are mediated by accumbal D2R-neurons

10:00 **Rafael Alcalá** - University of Strasbourg, Strasbourg, France

Impaired egocentric spatial memory in Huntington's disease mice is associated with altered transcriptional and epigenetic regulation of neural plasticity programs

10:30 **Morgane Boillot** - Radboud University Medical Center, Nijmegen, Netherlands

Modulation by serotonin of neural synchronization in cortico-amygdalar circuits during reversal learning

11:00 **Coffee Break**

Session III. Chair: Javier Morante

11:30 **Iryna Mohylyak** - Institut du Cerveau et de la Moelle Epinière, Paris, France

CG7101/dTZAP encodes a transcriptional regulator of mitochondrial biology required for axonal outgrowth circuit connectivity and behavior

12:00 **Ana Uzquiano López** - Harvard University, Cambridge, USA)

Developmental programs of cell diversification of the human cerebral cortex in brain organoids

12:30 Keynote speaker: **Carmen Ruiz de Almódovar** - University of Heidelberg, Heidelberg, Germany

Neuro-vascular interactions in the central nervous system

13:30 **Awards: best poster and talk**

14:00 **Christmas toast**



<https://dicv-csic-es.zoom.us/j/82233608491?pwd=WEJGeVBEaVI2dDAwRW4zWUFORkhldz09>

Organizers: Teresa Femenia, Felix Leroy and Javier Morante

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Application

There are no registration forms or registration fee. Scientists who wish to give a talk should send the following information to:

christmasmeeting@umh.es

1. Title and brief abstract (max. 200 words).
2. CV including a list of publications and current work address (max. 1 page)



Financial support

We will provide accommodation close to the institute as well as meals and partial financial support towards travel expenses to the researchers selected to give a talk.



Organizers

- Teresa Femenía
- Felix Leroy
- Javier Morante

PURPOSE OF THE MEETING

Our Christmas meeting is conceived with the goal of facilitating interactions between the Instituto de Neurociencias (IN) and young neuroscientists working abroad.

In particular, this meeting offers an excellent opportunity for senior post-doctoral fellows or young faculty to get to know the IN and explore the possibilities to join our institute. We are interested in scientists working in all fields of neuroscience.

THE INSTITUTO DE NEUROCIENCIAS

The Instituto de Neurociencias is the largest Spanish institution devoted to brain research. It is a joint centre of the Universidad Miguel Hernández de Elche (UMH) and the Consejo Superior de Investigaciones Científicas (CSIC) located in the town of Sant Joan near the city of Alicante.

The IN is hosting over 30 research groups in all fields of modern neuroscience, from the genetic and molecular control of nervous system development to the cellular mechanisms of perception.