

# 20<sup>th</sup> Anniversary Symposium Instituto de Neurociencias

4-5 July 2019

1999 - **20**19



**INSTITUTO DE NEUROCIENCIAS**



Simposio 20<sup>o</sup> Aniversario

Severo Ochoa Building

## Thursday July 4, 2019

09:00 **Salvador Martínez** - Welcome

### Morning session: early brain development and neurogenesis

09:15 **Marianne Bronner (Caltech, USA)**  
Reprogramming neural crest axial identity

10:00 **Claude Desplan (NYU, USA)**  
Coordination between stochastic and deterministic choices in building neural networks

10:45 Coffee break

11:15 **Oliver Hobert (Columbia U, USA)**  
Homeobox genes build the *C. elegans* nervous system

12:00 **Nancy Papalopulu (Manchester U, UK)**  
Gene expression oscillations & noise: partners in cell state transitions during neurogenesis

12:45 **Arturo Alvarez-Buylla (UCSF, USA)**  
Postnatal neural stem cells: from birds and mice to humans

13:30 Lunch + Poster session

### Afternoon session: brain development and function

14:30 **John Rubenstein (UCSF, USA)**  
Transcriptional control of telencephalic cell identity

15:15 **Oscar Marín (KCL, UK)**  
Molecular mechanisms of cortical interneuron diversity and plasticity

16:00 **Michael Hausser (UCL, UK)**  
All-optical interrogation of neural circuits during behaviour

16:45 Coffee break

17:15 **Monica Di Luca (U Milano, Italy)**  
Synapse dynamics in health and diseases

18:00 **Miguel Maravall (Sussex U, UK)**  
Do tactile neurons recognize sequences?

## Friday July 5, 2019

### Morning session: brain function

09:00 **Magdalena Götz (Helmholtz München, Germany)**  
Novel mechanisms regulating neurogenesis

09:45 **Carmen Sandi (EPFL, Switzerland)**  
Role for striatal mitochondria and metabolism in motivated action selection

10:30 Coffee break

11:00 **Ranulfo Romo (UNAM, México)**  
Constructing perceptual decision-making across cortex

11:45 **Thomas Albright (Salk I, USA)**  
Contextual influences on visual processing

13:00 **Anniversary ceremony**

14:00 Toast + lunch