

*Instituto de
Neurociencias*

**22nd
Christmas
MEETING**

18 - 19 December 2025

*Sant Joan d'Alacant
(Ellicante, Spain)*

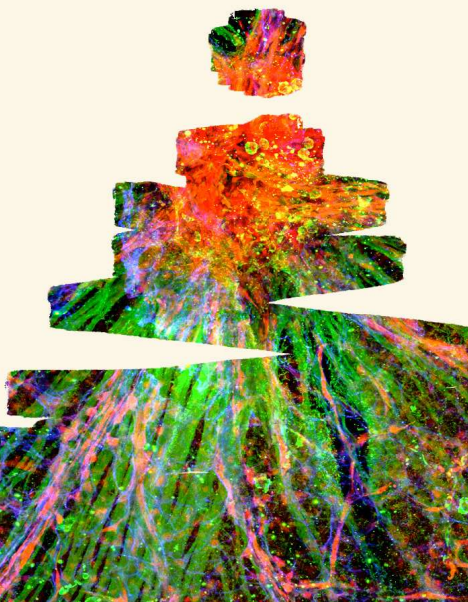


Image: Macarena Herrera González de la Higuera

Thursday, December 18th

12:00 Introduction from the director

Session 1: Chair Andreas Kardamakis - IN Assembly Hall

- 12:15 **Irene Lorenzo Llorente - Stanford University (USA)**
Advances in Cell-Based Therapies for Brain Repair
- 12:45 **Diego Hernandez Trejo - Cold Spring Harbor Laboratory (USA)**
Rapid cortical feedback updates of reward-expectancy signals to the olfactory bulb support fast multisensory-guided behavioral switching.
- 13:15 **Christian Peters - Max Planck Institute for Biological Intelligence (Germany)**
Neural Mechanisms of Feeding Regulation in the Central Amygdala
- 13:45 **Blitz poster session**
- 14:15 **Snacks and Poster session - Hall of the Balmis building**

Session 2: Chair Teresa Femenia - IN Assembly Hall

- 16:00 **Cristian Saquel - Marie Curie Research Center (France)**
Extracellular Vesicles as Dynamic Messengers: From Driving Neurite Growth To Promoting Tumour Progression
- 16:30 **Emanuela Santini - Karolinska Institutet (Sweden)**
Striatal Circuit Dysfunction in Autism: Impaired Dopamine Signaling and D1-SPN Hyperexcitability
- 17:00 **Ana Villalba Requena - Institute of Science and Technology (Austria)**
Role of Mtor/Raptor in Shaping Cortical Size and Cell-Type Diversity

Friday, December 19th

Session 3: Chair Félix Leroy - IN Assembly Hall

- 09:30 **Joana Soldado Magraner - Carnegie Mellon University (USA)**
Population-level perspectives for interpreting and designing neural activity perturbations
- 10:00 **Maria Selles Japas - New York University (USA)**
Astrocytes mediate a local positive feedback loop for oxytocin
- 10:30 **Iakovos Lazaridis - Massachusetts Institute of Technology (USA)**
Dual architectures of dopamine regulation for behavioral flexibility: pathway-defined striosomal loops and astrocyte-mediated dopamine feedback
- 11:00 **Pablo Abad Perez - Hospital del Mar Research Institute (Spain)**
Cooperative actions of interneurons supports the hippocampal spatial code
- 11:30 **Coffee break**
- 12:00 **Keynote Speaker:**
Panayiota Poirazi - IMBB, Foundation of Research and Technology Hellas (FORTH)
Learning with dendrites in brains and machines
- 13:00 **Awards: best poster and best talk**
- 13:15 **Awards: Photo competition**
- 13:30 **Awards: best Christmas Decoration of Lab Doors**
- 13:45 **Send off from the IN director: Juana Gallar**
- 14:00 **Christmas toast - Cafeteria in the Balmis building**

Organizers: Teresa Femenia
Andreas Kardamakis - Felix Leroy

